



Ahsay Cloud Backup Suite 7

API Guide

Ahsay Systems Corporation Limited

18 October 2018

Copyright Notice

© 2018 Ahsay Systems Corporation Limited. All rights reserved.

The use and copying of this product is subject to a license agreement. Any other use is prohibited. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language in any form by any means without prior written consent of Ahsay Systems Corporation Limited. Information in this manual is subject to change without notice and does not represent a commitment on the part of the vendor, Ahsay Systems Corporation Limited does not warrant that this document is error free. If you find any errors in this document, please report to Ahsay Systems Corporation Limited in writing.

This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).

Trademarks

Ahsay, Ahsay Cloud Backup Suite, Ahsay Online Backup Suite, Ahsay Offsite Backup Server, Ahsay Online Backup Manager, Ahsay A-Click Backup, Ahsay Replication Server, Ahsay BackupBox Firmware, Ahsay Universal Backup System, Ahsay NAS Client Utility are trademarks of Ahsay Systems Corporation Limited.

Amazon S3 is registered trademark of Amazon Web Services, Inc. or its affiliates.

Apple and Mac OS X are registered trademarks of Apple Computer, Inc.

Dropbox is registered trademark of Dropbox Inc.

Google Cloud Storage and Google Drive are registered trademarks of Google Inc.

Lotus, Domino, Notes are registered trademark of IBM Corporation.

Microsoft, Windows, Microsoft Exchange Server, Microsoft SQL Server, Microsoft Hyper-V, Microsoft Azure, One Drive and One Drive for Business are registered trademarks of Microsoft Corporation.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Oracle, Oracle 10g, Oracle 11g and MySQL are registered trademarks of Oracle Corporation.

Rackspace and OpenStack are registered trademarks of Rackspace US, Inc.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo and JBoss are registered trademarks of Red Hat, Inc. www.redhat.com in the U.S. and other countries. Linux is a registered trademark of Linus Torvalds.

ShadowProtect is registered trademark of StorageCraft Technology Corporation.

VMware, ESX, ESXi, vCenter are registered trademarks of VMware, Inc.

All other product names are registered trademarks of their respective owners.

Disclaimer

Ahsay Systems Corporation Limited will not have or accept any liability, obligation or responsibility whatsoever for any loss, destruction or damage (including without limitation consequential loss, destruction or damage) however arising from or in respect of any use or misuse of reliance on this document. By reading and following the instructions in this document, you agree to accept unconditionally the terms of this Disclaimer and as they may be revised and/or amended from time to time by Ahsay Systems Corporation Limited without prior notice to you.

Revision History

Date	Descriptions	Type of modification
26 May 2016	Ch. 3.1.7	Modified
10 Aug 2016	Ch. 3.1.1, 3.1.3, 3.3.1, 4.1.1, 4.1.3, 4.1.7, 4.2.6, 4.2.15, 4.2.16, 4.2.25, 6.1.1, 6.2.1, Appendix A, B	Modified
22 Sept 2016	Ch. 3.1.6, 4.1.6, 4.1.8, 4.1.9, 4.2.1	Modified
29 Sept 2016	Ch. 4.1.6, 4.1.8	Modified
30 Sept 2016	Ch. 4.2.12	Modified
25 Jan 2017	Ch. 4.1.6, 4.1.8, 4.1.9, 4.2.1, 4.2.6, 4.2.12, 4.2.7	Modified
8 Feb 2017	Ch. 4.1.13 Ch. 3.3.6	New Modified
5 Apr 2017	Ch. 3.1.5, 3.1.6, 4.2.1, 4.2.12, 4.2.6, 4.2.25, 4.2.7, 6.1.1	Modified
7 July 2017	Ch. 2.4 Ch. 2.1	New Modified
25 Aug 2017	Ch. 3.3.8, 4.1.10, 4.1.12, 4.2.17	Modified
31 Oct 2017	Ch. 2.2, 2.4, 4.1.6, 4.1.8, 4.2.12, 7 Appendix A, C	Modified
17 Nov 2017	Ch. 4.2.23	Modified
9 Mar 2018	Ch. 2.3	Modified
26 Mar 2018	Ch. 4.1.5	Modified
14 June 2018	Ch. 3.1.1, 3.1.3, 3.3.6, 3.3.9, 4.1.1, 4.1.6, 4.1.8, 4.1.9	Modified
25 July 2018	Ch. 6.2.1	Modified
9 Aug 2018	Ch. 3.1.2, 4.1.6	Modified
5 Sept 2018	Ch. 3.1.1, 3.1.3, 3.1.6, 4.1.1, 4.1.6, 4.1.8, 4.1.9	Modified
20 Sept 2018	Ch. 4.1.9	Modified
16 Oct 2018	Ch. 3.1.6, 4.1.1, 4.1.9	Modified

Table of Contents

1	Overview.....	1
1.1	Conventions.....	1
1.2	Definitions, Acronyms and Abbreviation	2
2	Introduction.....	3
2.1	Overview	3
2.2	Limitations and recommendations	4
2.3	IP Restrictions.....	4
2.4	Troubleshooting	6
3	System API	9
3.1	System Config.....	9
3.1.1	UpdateServerConfig - Backup Server.....	9
3.1.2	UpdateConfig - Backup Server	13
3.1.3	GetSystemSetting - Backup Server	16
3.1.4	UpdateReplicationConfig	21
3.1.5	UpdateLicense	22
3.1.6	GetLicense	23
3.1.7	GetReplicationMode.....	27
3.2	System User.....	29
3.2.1	AddSysUser	29
3.2.2	UpdateSysUser.....	30
3.2.3	RemoveSysUser	30
3.2.4	AuthSystemUser	31
3.2.5	ListSystemUsers	33
3.3	Group Policy	35
3.3.1	AddUserGroup	35
3.3.2	DeletePolicyGroup	37
3.3.3	DeletePolicyGroupFromUserGroup	37
3.3.4	DeleteUserFromUserGroup	38
3.3.5	DeleteUserGroup	39
3.3.6	ListPolicyGroups.....	40
3.3.7	ListUserGroups.....	74
3.3.8	ModifyUserGroup	76
3.3.9	UpdatePolicyGroup.....	77
4	User API	103
4.1	User	103
4.1.1	ListUsers.....	103
4.1.2	AuthUser	120
4.1.3	RunSingleUserRebuild.....	121
4.1.4	GetSingleUserRebuildStatus	122
4.1.5	GetUserStorageStat	124
4.1.6	UpdateUserProfile	127
4.1.7	AddContact	133
4.1.8	AddUser	134
4.1.9	GetUser	139
4.1.10	ModifyUserStatus	151
4.1.11	RemoveUser.....	152
4.1.12	SendForgotPwdEmail	152
4.1.13	GetUserStatus.do.....	153
4.2	Backup Set	158
4.2.1	UpdateBackupSet	158
4.2.2	AddSelectSrc	173
4.2.3	RemoveSelectSrc	174
4.2.4	AddDeselectSrc	174
4.2.5	RemoveDeselectSrc	175

4.2.6	AddSchedule	176
4.2.7	UpdateSchedule.....	180
4.2.8	RemoveSchedule	184
4.2.9	AddFilter	185
4.2.10	UpdateFilter	186
4.2.11	RemoveFilter.....	187
4.2.12	AddBackupSet.....	188
4.2.13	AddAllowedIP.....	191
4.2.14	RemoveAllowedIP.....	192
4.2.15	DeleteBackupData	193
4.2.16	DeleteBackupFile	193
4.2.17	DeleteBackupSet.....	194
4.2.18	GetBackupJobProgress	195
4.2.19	GetBackupSet	196
4.2.20	ListBackupFiles.....	202
4.2.21	ListBackupJobMode	203
4.2.22	ListBackupJobs	204
4.2.23	ListBackupJobStatus.....	205
4.2.24	ListBackupSets	206
4.2.25	RunBackup	207
4.2.26	AddPreCommand.....	208
4.2.27	UpdatePreCommand	209
4.2.28	RemovePreCommand	210
4.2.29	AddPostCommand	211
4.2.30	UpdatePostCommand.....	213
4.2.31	RemovePostCommand	214
4.3	Report.....	215
4.3.1	GetBackupJobReport	215
4.3.2	GetBackupJobReportSummary.....	219
4.3.3	GetRestoreJobReport	221
5	RPS API.....	223
5.1	RPS Receiver	223
5.1.1	ListReceiver	223
5.1.2	UpdateReceivers.....	225
5.1.3	RemoveReceiver	227
6	RDR API.....	228
6.1	RDR License	228
6.1.1	UpdateLicense	228
6.2	Server Config	229
6.2.1	UpdateServerConfig.....	229
7	Further Information.....	231
Appendix	232
Appendix A	Supported Language Code	232
Appendix B	Supported Time zones.....	233
Appendix C	Product Documentation.....	235

1 Overview

1.1 Conventions

List of notations used throughout this document.

Convention	Descriptions	Example
Bold	Important Information	WARNING: Text
<i>Italic</i>	Folder Path	/usr/local/cbs/conf
[]	Graphical Interface Elements	[Manage Log]
%%	Filepath in Windows format	%CBS_HOME%
\$	Filepath in Linux/Unix/BSD format	\$CBS_HOME
<i>italic</i>	Command	mkdir /usr/local/cbs

Notation that are used specifically for API section:

Convention	Descriptions
<Text Inside angle brackets>	Placeholder for which you must supply a value.
[Text inside square brackets]	Optional items.
{Text insides braces}	Set of required items; choose one.
Vertical bar ()	Separator for mutually exclusive items; choose one.
Ellipsis (...)	Items that can be repeated.
Bold	All the keys defined in the parameter section or the JSON objects are mandatory.

1.2 Definitions, Acronyms and Abbreviation

Term/Abbreviation	Definition
AhsayCBS	Ahsay™ Cloud Backup Suite
AhsayOBM	Ahsay™ Online Backup Manager
AhsayACB	Ahsay™ A-Click Backup
CBS_HOME	The install location of AhsayCBS. <u>Windows</u> <i>C:\Program Files\AhsayCBS</i> <u>Linux</u> <i>/usr/local/cbs/</i>
CONF_HOME	The directory to store AhsayCBS configuration files. <u>Windows</u> <i>%CBS_HOME%\conf</i> <u>Linux</u> <i>\$CBS_HOME/conf</i>
USER_HOMES	The directories where AhsayCBS store the AhsayOBM & AhsayACB users accounts. The default location is: <i>%CBS_HOME%\users</i>
POLICY_HOME	The directory where AhsayCBS store its system users and group policy information. <u>Windows</u> <i>%CBS_HOME%\system\policy</i> <u>Linux</u> <i>\$CBS_HOME\system\policy</i>
SYSTEM_HOME	The directory where AhsayCBS store its system information. <u>Windows</u> <i>%CBS_HOME%\system\</i> <u>Linux</u> <i>\$CBS_HOME\system\</i>
WEBAPPS_HOME	Location of the webapps directory inside the installation directory of AhsayCBS. <u>Windows</u> <i>%CBS_HOME%\webapps.</i> <u>Linux</u> <i>\$CBS_HOME\webapps</i>
RECEIVER_HOME	The location where the replicated data is stored for a particular replication receiver.
JAVA_HOME	The location where JAVA is installed

2 Introduction

AhsayCBS contains a set of APIs (Application Programming Interface), which allows you to integrate external applications (e.g. billing system or automated registration system) with AhsayCBS.

This chapter describes what APIs are available and how you can invoke different APIs.

2.1 Overview

AhsayCBS comes with a set of new APIs which is JSON (JavaScript Object Notation) based JavaScript syntax. It can be read and used as a data format by any programming language.

New API can be invoked by using post method. For backward compatible, we support some APIs in version 6, however for the support of new features in AhsayCBS, we recommend programmers to change their existing coding with the use of the new JSON syntax API.

Here is a sample of the input:

```
{  
    "SysUser": "APUser",  
    "SysPwd": "my_password",  
    "Hostname": "mybackup.com",  
    "UserHomes": [ "CBS", "FTP", "Cloud1" ],  
    :  
    :  
    :  
    :  
}
```

For further reference on the JSON syntax or documentation, please refer to the following webpages:

https://www.w3schools.com/js/js_json_intro.asp
<http://developers.squarespace.com/what-is-json/>

Note: More examples are available in the following API sections.

2.2 Limitations and recommendations

New features introduced by AhsayCBS version 7 will not be supported by APIs (in XML format) of AhsayOBS version 6 or earlier releases. Please convert your APIs to JSON format in order to use them for AhsayCBS version 7.

To allow a third party program to utilize the API, you are suggested to create an API system user which has permission for API calls to your AhsayCBS. For all APIs outlined in this guide with parameters **SysUser** and **SysPwd**, they are the username and password of the Admin system user or API system user.

Note:

- ▶ Coding for your application must support UTF-8.
- ▶ When testing your API, ensure that you have all parameters and / or settings setup on your AhsayCBS.
- ▶ Please arrange your test case in a logical sequence, such as creating a backup set before attempting to modify / delete a backup set with API.

2.3 IP Restrictions

By default, AhsayCBS accepts and handles API requests from all IP addresses. To avoid being exploited by hackers from an unauthorized network, setup IP filters with the following instructions:

1. Open the web.xml file in the following paths:

%CBS_HOME%\webapps\obs\WEB-INF\web.xml

%CBS_HOME%\webapps\cbs\WEB-INF\web.xml

%CBS_HOME%\webapps\rps\WEB-INF\web.xml

%CBS_HOME%\webapps\rdr\WEB-INF\web.xml

2. Locate the ApiAccess filter under the “filter” section.

3. Change the [Range2] parameter value from “0.0.0.0-255.255.255.255” (shown in red and bold above) to another range of IP addresses from where APIs can be invoked.

web.xml

```
...  
<filter>  
  <filter-name>ApiAccess</filter-name>  
  <filter-class>com.ahsay.obs.www.IPFilter</filter-class>  
  <init-param>  
    <param-name>Range1</param-name>
```

```

<param-value>localhost</param-value>
</init-param>
<init-param>
    <param-name>Range2</param-name>
    <param-value>0.0.0-255.255.255.255</param-value>
</init-param>
</filter>
...

```

For example, change the [Range2] value from “0.0.0-255.255.255.255” to “192.168.1.1-192.168.1.255” to allow the 192.168.1.x network to invoke APIs.

web.xml (Updated)

```

...
<filter>
    <filter-name>ApiAccess</filter-name>
    <filter-class>com.ahsay.obs.www.IPFilter</filter-class>
    <init-param>
        <param-name>Range1</param-name>
        <param-value>localhost</param-value>
    </init-param>
    <init-param>
        <param-name>Range2</param-name>
        <param-value>192.168.1.1-192.168.1.255</param-value>
    </init-param>
</filter>
...

```

Please note that you can configure more than two IP ranges by adding additional init parameters (i.e. “Range3”, “Range4” and so on) to the filter XML tag. For example:

```

...
<filter>
    <filter-name>ApiAccess</filter-name>
    <filter-class>com.ahsay.obs.www.IPFilter</filter-class>
    <init-param>
        <param-name>Range1</param-name>
        <param-value>localhost</param-value>
    </init-param>
    <init-param>
        <param-name>Range2</param-name>
        <param-value>192.168.1.1-192.168.1.255</param-value>
    </init-param>
    <init-param>
        <param-name>Range3</param-name>
        <param-value>192.168.2.1-192.168.2.255</param-value>
    </init-param>
</filter>
...

```

4. Restart AhsayCBS.

2.4 Troubleshooting

Here are some common mistakes when people write their own JSON scripts:

- ▶ Syntax errors

Getlicense.do API Input Missing coma and double quote

```
{
  "SysUser":"api_user",
  "SysPwd":abc123$%
}
```

Output

```
{
  "Status": "Error",
  "Message": "java.lang.NullPointerException",
  "ExptType": "java.lang.NullPointerException"
}
```

Correct input

```
{
  "SysUser":"api_user",
  "SysPwd":abc123$%
}
```

Output

```
{
  "Status": "OK"
}
```

Missing the above syntax would cause critical errors.

UpdateConfig.do API input Missing pair []

```
{"SysUser":"api_user",
"SysPwd":abc123$%,
"SendBccReports":true,
"AdminContacts":[{"Name":"New1","Email":"New1"},{ "Name":"New1","Email":"New1"}]
```

Output

```
{
  "Status": "Error",
  "Message": "java.lang.NullPointerException",
  "ExptType": "java.lang.NullPointerException"
}
```

Correct input

```
{"SysUser":"api_user",
"SysPwd":abc123$%,
"SendBccReports":true,
"AdminContacts": [{"Name":"New1","Email":"New1"},{ "Name":"New1","Email":"New1"}]
```

Output

```
{
  "Status": "OK"
}
```

The datatype of AdminContacts here is array. Pair [] must be added.

- ▶ Parameter names errors

Getlicense.do API Input Incorrect parameter name

```
{  
    "SysUser":"api_user",  
    "SysPwd":"abc123$%"  
}
```

Output

```
{  
    "Status": "Error",  
    "Message": "java.lang.NullPointerException",  
    "ExptType": "java.lang.NullPointerException"  
}
```

Correct input

```
{  
    "SysUser":"api_user",  
    "SysPwd":"abc123$%"  
}
```

Output

```
{  
    "Status": "OK",  
}
```

Parameter names are case-sensitive. Make sure the parameters names are exactly the same as our list in this document.

- ➊ Escape characters errors

AddSelectSrc.do API Input Character \ not escaped

```
{  
    "SysUser":"api_user",  
    "SysPwd":"abc123$%",  
    "LoginName":"opendirect",  
    "BackupSetID":"1497925931498",  
    "NewSelectedSrc":{"Src":"C:\SelectSrcTestOBM"}  
}
```

Output

```
{  
    "Status": "Error",  
    "Message": "java.lang.NullPointerException",  
    "ExptType": "java.lang.NullPointerException"  
}
```

Correct input

```
{  
    "SysUser":"api_user",  
    "SysPwd":"abc123$%",  
    "LoginName":"opendirect",  
    "BackupSetID":"1497925931498",  
    "NewSelectedSrc":{"Src":"C:\\SelectSrcTestOBM"}  
}
```

Output

```
{  
    "Status": "OK"  
}
```

Make sure to escape JAVA special characters.

Additional information

In the case that you think that the error message does not give enough information, please refer to the web console for details:

- ➊ [Dashboard] > [To Dos] > [API Errors]

The screenshot shows the AhsayCBS interface with the 'API Errors' tab selected. At the top, there are six summary boxes: Missed Backups (0), Failed Backups (0), System Errors (3), Replication Errors (0), API Errors (26), and Email Errors (0). Below this is a table with a single row containing a timestamp, login name, owner, and message.

Timestamp	Login Name	Owner	Message
19/06/2017 17:40:31	--	--	[Api][ModifyUserStatus]com.ahsay.obs.core.dbs.Y: [UserCacheManager NoSuchUserExpt] User 'user1' not found, at com.ahsay.obs.core.dbs.Q.a(Unknown Source) at com.ahsay.obs.core.dbs.I.a(Unknown Source) at com.ahsay.obs.api.json.JSONUserApi.doAction(Unknown Source) at com.ahsay.obs.api.json.JSONApi.execute(Unknown Source) at org.apache.struts.chain.commands.servlet.ExecuteAction.execute(ExecuteAction.java:59) at org.apache.struts.chain.commands.AbstractExecuteAction.execute(AbstractExecuteAction.java:67) at org.apache.struts.chain.commands.ActionCommandBase.execute(ActionCommandBase.java:51) at org.apache.commons.chain.impl.ChainBase.execute(ChainBase.java:191) at org.apache.commons.chain.generic.LookupCommand.execute(LookupCommand.java:305) at org.apache.commons.chain.impl.ChainBase.execute(ChainBase.java:191) at org.apache.struts.chain.ComposableRequestProcessor.process(ComposableRequestProcessor.java:283) at org.apache.struts.action.ActionServlet.process(ActionServlet.java:1913) at org.apache.struts.action.ActionServlet.doPost(ActionServlet.java:462) at javax.servlet.http.HttpServlet.service(HttpServlet.java:646) at javax.servlet.http.HttpServlet.service(HttpServlet.java:727) at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:303) at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:208) at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52) at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:241) at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:208) at com.ahsay.obs.www.EncodingFilter.doFilter(Unknown Source) at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:241) at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:208) at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:241) at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:208) at com.ahsay.obs.www.IPFilter.doFilter(Unknown Source) at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:241) at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:208) at org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:220) at org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:122) at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:504) at org.apache.catalina.valves.AccessLogValve.invoke(AccessLogValve.java:950) at

Note: If you still encounter errors after making sure no mistakes were made, please approach our [support team](#) for further assistance

3 System API

3.1 System Config

3.1.1 UpdateServerConfig - Backup Server

This API can be used to update the Backup Server related configuration such as the user home and free trial user registration settings.

The related settings can be found on the AhsayCBS web console:

- [Backup / Restore] > [Basic] > [User Home] or [Free Trial Options]

v1 UpdateServerConfig.do

URL:		
		http://BACKUP_SERVER/obs/api/json/UpdateServerConfig.do
Available since version:		
		7.3
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role.
SysPwd	String	AhsayCBS's system users password with admin role.
UserHomes	Array	Note: When new user home is added, you need to include your existing user home in the array.
EnableFreeTrial	Boolean	Enable / Disable the Free Trial Registration option.
BackupQuotaSize	Long	Backup quota of trial user, unit in byte. Note: To utilize the new feature introduced with the Quota Management enhancement (e.g. individual quota for multiple destinations of the free trial user registration setting), patch the AhsayCBS server to version 7.15.6.0 or above, and then utilize the new version of UpdateServerConfig.do API (v2 UpdateServerConfig.do) instead.
ExpTrialStatus	String	"reset" or "suspend"
ExpTrialQuota	Long	The quota of expired trial user, unit in byte.
SuspendUserDays	Integer	The number of days that a user will be suspended. The value can be any one of the following: "7", "8", ..., "29", "30", "45", "60", "75", "90"
TrialMsExchange	Boolean	Enable / Disable the trial of Microsoft Exchange Server add-on module.
TrialMsSql	Boolean	Enable / Disable the trial of Microsoft SQL Server add-on module.
TrialMySql	Boolean	Enable / Disable the trial of MySQL Database Server add-on module.
TrialOracle	Boolean	Enable / Disable the trial of Oracle Database Server add-on module.
TrialDomino	Boolean	Enable / Disable the trial of Lotus Domino add-on module.
TrialNotes	Boolean	Enable / Disable the trial of Lotus Notes add-on module.
TrialWinServer2008BareMetal	Boolean	Enable / Disable the trial of Windows System Backup add-on module.
TrialMsWinSysState	Boolean	Enable / Disable the trial of Windows System State Backup add-on module.
TrialVMware	Boolean	Enable / Disable the trial of VMware add-on module.
TrialVMwareQuota	String	VMware VM module quota. Enter integer value in string format.
TrialVMwareQuotaType	String	For AhsayCBS version 7.7.0.0 or above. Default value is GUESTVM if not provided. The value can be any one of the following: GUESTVM SOCKET
TrialMsVm	Boolean	Enable / Disable the trial of Hyper-V add-on module.

	TrialMsVmQuota	String	Hyper-V module quota. Enter integer value in string format. E.g.: "1" or "2" etc.
	TrialMsVmQuotaType	String	For AhsayCBS version 7.7.0.0 or above Default value is GUESTVM if not provided The value can be any one of the following: GUESTVM SOCKET
	TrialMsExchangeMailbox	Boolean	Enable / Disable the trial of Microsoft Exchange Mailbox add-on module.
	TrialEMBQuota	String	Microsoft Exchange Mailbox module quota. Enter integer value in string format
	TrialNasClient	Boolean	Enable / Disable the trial of NAS add-on module.
	TrialQnap	Boolean	For AhsayCBS version 7.17.0.0 or above Enable / Disable the trial of Qnap NAS add-on module.
	TrialShadowProtectBareMetal	Boolean	Enable / Disable the trial of Shadow Protect System Backup add-on module.
	TrialShadowCopy	Boolean	Enable / Disable the trial of Volume Shadow Copy add-on module.
	TrialCdp	Boolean	Enable / Disable the trial of Continuous Data Protection add-on module.
	TrialDeltaBlock	Boolean	Enable / Disable the trial of In-File Delta add-on module.
	TrialMobile	Boolean	Enable / Disable the trial Mobile add-on module.
	TrialMobileQuota	String	Mobile add-on module quota. Enter integer value in string format
	TrialOffice365Mail	Boolean	Enable / Disable the trial of Office365 online backup add-on module.
	TrialOpenDirect	Boolean	For AhsayCBS version 7.13.0.0 or above Enable / Disable the trial Open Direct/ Granular Restore add-on module.
	TrialOpenDirectQuota	String	For AhsayCBS version 7.13.0.0 or above Open Direct / Granular Restore quota. Enter integer value in string format.
	EnableRemoveUser	Boolean	Enable / Disable the remove trial user.
	RemoveUserDays	String	Enter integer value in string format.
	SincInactive	Boolean	

JSON Objects:

UserHome		
Key	Type	Descriptions
Path	String	Path of user home, e.g. "F:\\new_home"
Quota	String	Maximum QPS ratio of the user home The value can be any one of the following: Unlimited 300 250 200 150 100 90 80 70 60 50 40 30 20 10 0 "0" refers to the "Not Used"

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

Example:	
	Input: Update userhomes
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "UserHomes": [{ "Path": "F:\\home" }, { "Quota": "Unlimited" }, { "Path": "F:\\new_home" }, { "Quota": "Unlimited" }] }</pre>	
	Output
{"Status": "OK"}	
Input: Update module settings	
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "EnableFreeTrial": true, "TrialMsExchange": true }</pre>	
	Output
{"Status": "OK"}	

v2 UpdateSystemSetting.do

To facilitate the Quota Management feature introduced since AhsayCBS version 7.15.6.0, a new version of the UpdateServerConfig.do API (v2 UpdateSystemSetting.do) was introduced.

A new **TrialQuotaList** JSON object (list of quota for multiple backup destinations for free trial users) was introduced to replace the single **BackupQuotaSize** parameter.

While AhsayCBS version 7.15.6.0 or above is backward compatible with API calls in previous format (pre-7.15.6.0 API format), it is highly recommended to use the new version of the API instead (e.g. v2 UpdateSystemSetting.do).

Note: The name of the **UpdateServerConfig.do** API has changed to **UpdateSystemSetting.do**.

URL:			
http://BACKUP_SERVER/obs/api/json/2/UpdateSystemSetting.do			
Available since version:			
7.15.6.0			
Parameters:			
Key	Type	Descriptions	
SysUser	String	AhsayCBS's system users with admin role.	
SysPwd	String	AhsayCBS's system users password with admin role.	
UserHomes	Array	Note: When new user home is added, you need to include your existing user home in the array.	
EnableFreeTrial	Boolean	Enable / Disable the Free Trial Registration option.	
TrialQuotaList	Array	List of quota of backup destination for trial user, unit in byte.	
ExpTrialStatus	String	"reset" or "suspend"	

	ExpTrialQuota	String	The quota of expired trial user, in number of bytes.
	SuspendUserDays	Integer	<p>The number of days that a user will be suspended.</p> <p>The value can be any one of the following: "7", "8", ..., "29", "30", "45", "60", "75", "90"</p>
	TrialMsExchange	Boolean	Enable / Disable the trial of Microsoft Exchange Server add-on module.
	TrialMsSql	Boolean	Enable / Disable the trial of Microsoft SQL Server add-on module.
	TrialMySql	Boolean	Enable / Disable the trial of MySQL Database Server add-on module.
	TrialOracle	Boolean	Enable / Disable the trial of Oracle Database Server add-on module.
	TrialDomino	Boolean	Enable / Disable the trial of Lotus Domino add-on module.
	TrialNotes	Boolean	Enable / Disable the trial of Lotus Notes add-on module.
	TrialWinServer2008BareMetal	Boolean	Enable / Disable the trial of Windows System Backup add-on module.
	TrialMsWinSysState	Boolean	Enable / Disable the trial of Windows System State Backup add-on module.
	TrialVMware	Boolean	Enable / Disable the trial of VMware add-on module.
	TrialVMwareQuota	String	VMware VM module quota. Enter integer value in string format.
	TrialVMwareQuotaType	String	<p>For AhsayCBS version 7.7.0.0 or above</p> <p>Default value is GUESTVM if not provided</p> <p>The value can be any one of the following:</p> <p>GUESTVM SOCKET</p>
	TrialMsVm	Boolean	Enable / Disable the trial of Hyper-V add-on module.
	TrialMsVmQuota	String	Hyper-V module quota. Enter integer value in string format.
	TrialMsVmQuotaType	String	<p>For AhsayCBS version 7.7.0.0 or above</p> <p>Default value is GUESTVM if not provided</p> <p>The value can be any one of the following:</p> <p>GUESTVM SOCKET</p>
	TrialMsExchangeMailbox	Boolean	Enable / Disable the trial of Microsoft Exchange Mailbox add-on module.
	TrialEMBQuota	String	Microsoft Exchange Mailbox module quota. Enter integer value in string format.
	TrialNasClient	Boolean	Enable / Disable the trial of NAS add-on module.
	TrialQnap	Boolean	<p>For AhsayCBS version 7.17.0.0 or above</p> <p>Enable / Disable the trial of Qnap NAS add-on module.</p>
	TrialShadowProtectBareMetal	Boolean	Enable / Disable the trial of Shadow Protect System Backup add-on module.
	TrialShadowCopy	Boolean	Enable / Disable the trial of Volume Shadow Copy add-on module.
	TrialCdp	Boolean	Enable / Disable the trial of Continuous Data Protection add-on module.
	TrialDeltaBlock	Boolean	Enable / Disable the trial of In-File Delta add-on module.
	TrialMobile	Boolean	Enable / Disable the trial Mobile add-on module.
	TrialMobileQuota	String	Mobile add-on module quota. Enter integer value in string format
	TrialOffice365Mail	Boolean	Enable / Disable the trial of Office365 online backup add-on module.
	TrialOpenDirect	Boolean	<p>For AhsayCBS version 7.13.0.0 or above</p> <p>Enable / Disable the trial Open Direct/ Granular Restore add-on module.</p>
	TrialOpenDirectQuota	String	<p>For AhsayCBS version 7.13.0.0 or above</p> <p>Open Direct / Granular Restore quota. Enter integer value in string format.</p>
	EnableRemoveUser	Boolean	Enable / Disable the remove trial user.
	RemoveUserDays	String	Enter integer value in string format.
	SincInactive	Boolean	

JSON Objects:

UserHome		
Key	Type	Descriptions
Path	String	Path of user home, e.g. "F:\\new_home"
Quota	String	<p>Maximum QPS ratio of the user home</p> <p>The value can be any one of the following:</p>

			Unlimited 300 250 200 150 100 90 80 70 60 50 40 30 20 10 0 "0" refers to the "Not Used"		
TrialQuotaList					
Key	Type	Descriptions			
Enabled	Boolean				
Quota	Long	Quota of the backup destination, unit in byte.			
DestinationKey	String	ID of the backup destination.			
Return Values:					
Key	Type	Descriptions			
Status	String	"OK" or "Error"			
Message	String	Error message, it exists only if status is "Error"			
ExptType	String	The type of exception, it exists only if status is "Error"			
Example:					
Input: Update userhomes					
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "TrialQuotaList": [{ "Enable": true "Quota": 549750000 "DestinationKey": "OBS" }, { "Enable": true "Quota": 549750000 "DestinationKey": "-1525973679332" }, { "Enable": false "Quota": 549750000 "DestinationKey": "-1522419628106" }] }</pre>					
Output					
{"Status": "OK"}					

3.1.2 UpdateConfig - Backup Server

This API updates the the following settings of AhsayCBS:

Proxy server

Admin contacts

System homes
SNMP settings
Windows Event Logs

The related settings can be found on the AhsayCBS web console:

- ▶ [System Settings] > [Basic] > [General] or [Email]
- ▶ [System Settings] > [Advanced] > [Proxy] or [Logging]

URL:		
http://BACKUP SERVER/cbs/api/json/UpdateConfig.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
UseEventLog	Boolean	Whether event log is enabled
EventLogName	String	Name of event log
Hostname	String	Hostname of the CBS server
SystemHome	String	The directory containing all system files
WebServers	Array of WebServer	Connectors
SmtpServers	Array of SmtpServer	SmtpServers settings
AdminContacts	Array of Contact	Admin contacts in array
UseProxy	Boolean	Enable proxy server
ProxyUsername	String	User name of proxy server
ProxyPassword	String	Password of the user of proxy server
ProxyType	String	The value can be any one of the following: HTTP SOCK
ProxyHost	String	Hostname of the proxy server
ProxyPort	String	Port used by the proxy server
ProxyExcludeHosts	Array of ProxyExcludeHost	If you need to exclude some hostnames and IP addresses for proxy connection, you can add those excluded hostnames and IP addresses.
EnableSnmp	Boolean	
SnmpStartIP	String	
SnmpEndIP	String	
SnmpTrapInfo	Boolean	SNMP Trap Level Information
SnmpTrapWarn	Boolean	SNMP Trap Level Warning
SnmpTrapErr	Boolean	SNMP Trap Level Error
SnmpPort	Integer	SNMP Trap port number
SnmpTrapRecv1	SnmpTrapRecv	Receiver 1
SnmpTrapRecv2	SnmpTrapRecv	Receiver 2
SnmpTrapRecv3	SnmpTrapRecv	Receiver 3
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
WebServer		
Key	Type	Descriptions
Id	Integer	Usually start from 0, ascending order
Ip	String	

	Port	String	
	SysUser	String	
	SysPwd	String	
	MaxConn	String	Maximum number of connection allowed to server
	MaxKeepAliveReq	String	
	ConnTimeout	String	Connection timeout
	SslCertificateId	String	Empty string if not applicable
	Protocol	String	The value can be any one of the following: http https
	SmtpServer		
	Key	Type	Descriptions
	HostName	String	
	Port	Integer	
	SecureProtocol	Boolean	
	Auth	Boolean	
	AuthUser	String	
	AuthPwd	String	
	ReportSender	Contact	
	Owner	String	Name of owner, empty if owner is Admin
	Contact		
	Key	Type	Descriptions
	Name	String	
	Owner	String	Name of owner, empty if owner is Admin
	Email	String	
	Address	String	
	ReceiveBccEmail	Boolean	
	ProxyExcludeHost		
	Key	Type	Descriptions
	Host	String	
	SnmpTrapRecv		
	Key	Type	Descriptions
	Enable	Boolean	
	Host	String	
	TrapPort	String	
	Example:		
	Input		
	{ "SysUser": "api_user", "SysPwd": "abc123\$%", "SendBccReports": true, "AdminContacts": [{ "Name": "New1", "Email": "New1" }] }		
	Output		
	{ "Status": "OK" }		
	Input 2 :		
	{ "SysUser": "api_user", "SysPwd": "abc123\$%", "SendBccReports": true, "AdminContacts": [{ "Name": "New1", "Email": "New1" }] }		
	Output		
	{ "Status": "OK" }		

3.1.3 GetSystemSetting - Backup Server

This API can be used to retrieve backup server related configuration such as the user home and free trial options.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup / Restore] > [Basic] > [User Home] or [Free Trial Options]

v1 GetSystemSetting.do

URL:		
http://BACKUP_SERVER/obs/api/json/GetSystemSetting.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	ConfigData	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
UserHomes		
Key	Type	Descriptions
QuotaSum	Array	
Quota	String	
PasswordProtected	Boolean	Whether it is located at password protected network drive
Password	String	
Username	String	
CurrentRatio	String	Current QPS Ratio
Path	String	Path to the user home
Size	String	Size of the user home
ConfigData		
Key	Type	Descriptions
EnableFreeTrial	Boolean	Enable / Disable the Free Trial Registration option.
BackupQuotaSize	String	Backup quota of trial user, in number of bytes Note: To utilize the new feature introduced with the Quota Management enhancement (e.g. free trial registration feature with separate quota for multiple backup destinations), patch the AhsayCBS server to version 7.15.6.0 or above, and then utilize the new version of GetSystemSetting.do API (v2 GetSystemSetting.do) instead.
ExpTrialStatus	String	"reset" or "suspend"
SuspendUserDays	Integer	The number of days that a user will be suspended. The value can be any one of the following: "7", "8", ..., "29", "30", "45", "60", "75", "90"
Sincelnactive	Boolean	
TrialMsExchange	Boolean	The trial option of Microsoft Exchange Server add-on module.
TrialMsSql	Boolean	The trial option of Microsoft SQL Server add-on module.
TrialMySql	Boolean	The trial option of MySQL Database Server add-on module.
TrialOracle	Boolean	The trial option of Oracle Database Server add-on module.
TrialDomino	Boolean	The trial option of Lotus Domino add-on module.
TrialNotes	Boolean	The trial option of Lotus Notes add-on module.

	TrialWinServer2008BareMetal	Boolean	The trial option of Windows System Backup add-on module.
	TrialMsWinSysState	Boolean	The trial option of Windows System State Backup add-on module.
	TrialVMware	Boolean	The trial option of VMware add-on module.
	TrialVMwareQuota	String	VMware module quota.
	TrialVMwareQuotaType	Array	<p>For AhsayCBS version 7.7.0.0 or above</p> <p>Default value is GUESTVM if not provided</p> <p>The value can be any one of the following:</p> <p>GUESTVM SOCKET</p>
	TrialMsVm	Boolean	The trial option of Hyper-V add-on module.
	TrialMsVmQuota	String	Hyper-V module quota.
	TrialMsVmQuotaType	Array	<p>For AhsayCBS version 7.7.0.0 or above</p> <p>Default value is GUESTVM if not provided</p> <p>The value can be any one of the following:</p> <p>GUESTVM SOCKET</p>
	TrialMsExchangeMailbox	Boolean	The trial option of Microsoft Exchange Mailbox add-on module.
	TrialEMBQuota	String	Microsoft Exchange Mailbox module quota.
	TrialNasClient	Boolean	The trial option of NAS add-on module.
	TrialQnap	Boolean	<p>For AhsayCBS version 7.17.0.0 or above</p> <p>The trial option of Qnap NAS add-on module.</p>
	TrialShadowProtectBareMetal	Boolean	The trial option of Shadow Protect System Backup add-on module.
	TrialShadowCopy	Boolean	The trial option of Volume Shadow Copy add-on module.
	TrialCdp	Boolean	The trial option of Continuous Data Protection add-on module.
	TrialDeltaBlock	Boolean	The trial option of In-File Delta add-on module.
	TrialMobile	Boolean	The trial option of Mobile add-on module.
	TrialMobileQuota	String	The Quota of mobile add-on module.
	TrialOpenDirect	Boolean	<p>For AhsayCBS version 7.13.0.0 or above</p> <p>The tria option of Open direct/Granular restore add-on module.</p>
	TrialOpenDirectQuota	String	<p>For AhsayCBS version 7.13.0.0 or above</p> <p>The Quota of Open direct/Granular resotre add-on module.</p>
	EnableRemoveUser	Boolean	The option of trial user removal.
	RemoveUserDays	String	<p>The number of days to remove user after registration.</p> <p>The value can be any one of the following:</p> <p>30 60 90 120 150 180</p>
	UserHomes	Array	

Example:

	Input
	<pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%" }</pre>
	Output
	<pre>{ "Status":"OK", "Data":{ "TrialShadowProtectBareMetal":true, "TrialMsWinSysState":true, "TrialMsVmQuotaTypes":[], "TrialNasClient":true, "TrialQnap":true, "TrialOracle":true, "TrialVMware":true,</pre>

	<pre> "TrialVMwareQuota":"2", "BackupQuotaSize":"52428800", "TrialMobile":false, "TrialMsVm":true, "UserHomes":[{ "QuotaSum":"", "Quota":"Unlimited", "PasswordProtected":false, "Password":"", "Username":"", "CurrentRatio":"0", "Path":"F:\\new_home1", "Size":"" }], "EnableRemoveUser":true, "TrialMsExchange":true, "TrialMsVmQuotaType":"GUESTVM", "TrialDeltaBlock":true, "RemoveUserDays":"60", "TrialMySql":true, "TrialDomino":true, "TrialMsSql":true, "TrialMsVmQuota":"2", "TrialCdp":true, "SuspendUserDays":30, "TrialNotes":true, "TrialWinServer2008BareMetal":true, "TrialShadowCopy":true, "ExpTrialStatus":"suspend", "TrialVmwareQuotaType":"GUESTVM" "SinceInactive":false, "TrialMsExchangeMailbox":true, "TrialEMBQuota":"5", "EnableFreeTrial":true, "TrialMobileQuota":"0", "TrialVmwareQuotaType":"GUESTVM" } } </pre>
--	--

v2 GetSystemSetting.do

To facilitate the Quota Management feature since AhsayCBS version 7.15.6.0, a new version of the GetSystemSetting.do API (v2 GetSystemSetting.do) was introduced.

A new **TrialQuotaList** JSON object (list of quota for multiple backup destinations for the free trial registration feature) was introduced to replace the **BackupQuotaSize** parameter.

URL:		
http://BACKUP_SERVER/obs/api/json/2/GetSystemSetting.do		
Available since version:		
7.15.6.0		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	ConfigData	
Message	String	Error message, it exists only if status is "Error"

	ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:			
UserHomes			
Key	Type	Descriptions	
QuotaSum	Array		
Quota	String		
PasswordProtected	Boolean	Whether it is located at password protected network drive	
Password	String		
Username	String		
CurrentRatio	String	Current QPS Ratio	
Path	String	Path to the user home	
Size	String	Size of the user home	
ConfigData			
Key	Type	Descriptions	
EnableFreeTrial	Boolean	Enable / Disable the Free Trial Registration option.	
ExpTrialStatus	String	"reset" or "suspend"	
SuspendUserDays	Integer	The number of days that a user will be suspended. The value can be any one of the following: "7", "8", ..., "29", "30", "45", "60", "75", "90"	
Sincelnactive	Boolean		
TrialMsExchange	Boolean	The trial option of Microsoft Exchange Server add-on module.	
TrialMsSql	Boolean	The trial option of Microsoft SQL Server add-on module.	
TrialMySql	Boolean	The trial option of MySQL Database Server add-on module.	
TrialOracle	Boolean	The trial option of Oracle Database Server add-on module.	
TrialDomino	Boolean	The trial option of Lotus Domino add-on module.	
TrialNotes	Boolean	The trial option of Lotus Notes add-on module.	
TrialWinServer2008BareMetal	Boolean	The trial option of Windows System Backup add-on module.	
TrialMsWinSysState	Boolean	The trial option of Windows System State Backup add-on module.	
TrialVMware	Boolean	The trial option of VMware add-on module.	
TrialVMwareQuota	String	VMware module quota.	
TrialVMwareQuotaType	Array	For AhsayCBS on 7.7.0.0 or above Default value is GUESTVM if not provided The value can be any one of the following: GUESTVM SOCKET	
TrialMsVm	Boolean	The trial option of Hyper-V add-on module.	
TrialMsVmQuota	String	Hyper-V module quota.	
TrialMsVmQuotaType	Array	For AhsayCBS version 7.7.0.0 or above Default value is GUESTVM if not provided The value can be any one of the following: GUESTVM SOCKET	
TrialMsExchangeMailbox	Boolean	The trial option of Microsoft Exchange Mailbox add-on module.	
TrialEMBQuota	String	Microsoft Exchange Mailbox module quota.	
TrialNasClient	Boolean	The trial option of NAS add-on module.	
TrialQnap	Boolean	For AhsayCBS version 7.17.0.0 or above The trial option of Qnap NAS add-on module.	
TrialShadowProtectBareMetal	Boolean	The trial option of Shadow Protect System Backup add-on module.	
TrialShadowCopy	Boolean	The trial option of Volume Shadow Copy add-on module.	
TrialCdp	Boolean	The trial option of Continuous Data Protection add-on module.	
TrialDeltaBlock	Boolean	The trial option of In-File Delta add-on module.	
TrialMobile	Boolean	The trial option of Mobile add-on module.	
TrialMobileQuota	String	The Quota of mobile add-on module.	
TrialOpenDirect	Boolean	For AhsayCBS version 7.13.0.0 or above The tria option of Open direct/Granular restore add-on module.	
TrialOpenDirectQuota	String	For AhsayCBS version 7.13.0.0 or above	

			The Quota of Open direct/Granular resotre add-on module		
EnableRemoveUser	Boolean	The option of trial user removal.			
RemoveUserDays	String	The number of days to remove user after registration. The value can be any one of the following: 30 60 90 120 150 180			
UserHomes	Array				
TrialQuotaList					
Key	Type	Descriptions			
Name	Boolean	Name of the backup destination			
Quota	String	Unit in bytes			
DestinationKey	String	ID of the predefined destination, or OBS for quota on AhsayCBS			
Quota	Integer	Unit in bytes			
Example:					
Input <pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%" }</pre>					
Output <pre>{ "Status":"OK", "Data":{ "TrialShadowProtectBareMetal":true, "TrialMsWinSysState":true, "TrialMsVmQuotaTypes":[], "TrialNasClient":true, "TrialQnap":true, "TrialOracle":true, "TrialVMware":true, "TrialVMwareQuota":"2", "TrialMobile":false, "TrialMsVm":true, "UserHomes":[{ "QuotaSum":"", "Quota":"Unlimited", "PasswordProtected":false, "Password":"", "Username":"", "CurrentRatio":"0", "Path":"F:\\new_home1", "Size":"" }], "EnableRemoveUser":true, "TrialMsExchange":true, "TrialMsVmQuotaType":"GUESTVM", "TrialDeltaBlock":true, "RemoveUserDays":"60", "TrialMySql":true, "TrialDomino":true, "TrialQuotaList":[{ "Name":"AhsayCBS", "Quota":52428800, "DestinationKey":"OBS" }], "TrialMsSql":true, "TrialMsVmQuota":"2", "TrialCdp":true, "SuspendUserDays":30 } }</pre>					

	<pre> "TrialNotes":true, "TrialWinServer2008BareMetal":true, "TrialShadowCopy":true, "ExpTrialStatus":"suspend", "TrialVMwareQuotaType":"GUESTVM" "SinceInactive":false, "TrialMsExchangeMailbox":true, "TrialEMBQuota":"5", "EnableFreeTrial":true, "TrialMobileQuota":"0", "TrialVMwareQuotaType":"GUESTVM" } } </pre>
--	--

3.1.4 UpdateReplicationConfig

This API can be used to update the replication settings including:

Replication destination

Replication Proxy server

Replication traffic limit

Replication backup set

The related settings can be found on the AhsayCBS web console:

- ▶ [Replication] > [Sending Data] > [Replication]

URL:		
		http://BACKUP SERVER/obs/api/json/UpdateReplicationConfig.do
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
EnableReplication	Boolean	Enable / Disable the option to replicate back up data to another server or predefined cloud storage.
RepDestId	String	Destination ID of the replication destination
ReplicationUseProxy	Boolean	Enable / Disable the use of proxy option in replication profile.
ReplicationUseTrafficLimit	Boolean	Enable / Disable the use of replication traffic limit.
TrafficLimits	Array of TrafficLimit	Configure the traffic limit settings to control traffic at a specific time
ReplicateIndividualBset	Boolean	Enable / Disable the option to replicate individual backup set.
ReplicateNewPaidBSet	Boolean	Enable / Disable the option to replicate new backup sets of paid users.
ReplicateNewTrialBSet	Boolean	Enable / Disable the option to replicate new backup sets of trial users.
RepBSet	Array of String	The user name and backup set ID of the replicated backup set, joined with “++” as separator. For example, user1++123456789
Return Values:		
Key	Type	Descriptions
Status	String	“OK” or “Error”
Message	String	Error message, it exists only if status is “Error”
ExptType	String	The type of exception, it exists only if status is “Error”
JSON Objects:		
TrafficLimit		
Key	Type	Descriptions
StartDayOfWeek	Integer	The start day of traffic limit. “1” stands for Sunday, “2” stands for “Monday” and so on.
StartHour	Integer	The start hour of traffic limit. “0”, “1”... “23” can be set.
StartMin	Integer	The start minute of traffic limit. “0”, “1”... “59” can be set.
EndDayOfWeek	Integer	The end day of traffic limit. “1” stands for Sunday, “2” stands for

			"Monday" and so on.
	EndHour	Integer	The end hour of traffic limit. "0", "1" ... "23" can be set.
	EndMin	Integer	The end minute of traffic limit. "0", "1" ... "59" can be set.
	MaxTransferPerSec	String	Maximum number of KBytes transferred per second
Example:			
	Input		
	<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "EnableReplication": true, "ReplicationUseTrafficLimit": true, "TrafficLimits": [{ "StartDayOfWeek": "4", "StartHour": "3", "StartMin": "30", "EndDayOfWeek": "5", "EndHour": "4", "EndMin": "30", "MaxTransferPerSec": "300" }] }</pre>		
	Output		
	{"Status": "OK"}		

3.1.5 UpdateLicense

This API updates the licensee name and license key on the AhsayCBS server for backup server.

The related settings can be found on the AhsayCBS web console:

- ▶ [System Settings] > [License] > [Backup]

URL:																				
	http://BACKUP_SERVER/obs/api/json/UpdateLicense.do																			
Available since version:																				
	7.3																			
Parameters:																				
	<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>Licensee</td><td>String</td><td>Licensee name</td></tr> <tr> <td>Key</td><td>String</td><td>Product Key</td></tr> <tr> <td>UseProxy</td><td>Boolean</td><td>Enable / Disable the use of proxy defined in the AhsayCBS to connect the internet.</td></tr> </tbody> </table>		Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	Licensee	String	Licensee name	Key	String	Product Key	UseProxy	Boolean	Enable / Disable the use of proxy defined in the AhsayCBS to connect the internet.
Key	Type	Descriptions																		
SysUser	String	AhsayCBS's system users with admin role																		
SysPwd	String	AhsayCBS's system users password with admin role																		
Licensee	String	Licensee name																		
Key	String	Product Key																		
UseProxy	Boolean	Enable / Disable the use of proxy defined in the AhsayCBS to connect the internet.																		
Return Values:																				
	<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>		Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"						
Key	Type	Descriptions																		
Status	String	"OK" or "Error"																		
Message	String	Error message, it exists only if status is "Error"																		
ExptType	String	The type of exception, it exists only if status is "Error"																		
Example:																				
	Input																			
	<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "Licensee": "ABC_Backup", "Key": "XyZ98-AbcDE-fGhIJ-98bcd-YZ" }</pre>																			
	Output 1 license status normal																			

	<pre>{ "Status":"OK", "Key":"XyZ98-AbcDE-fGhIJ-98bcd-YZ", "Deactivated":false, "Licensee":"ABC_Backup" }</pre>
	Output 2 Click the Update button in web console
	<pre>{ "Status":"OK","Key":"XyZ98-AbcDE-fGhIJ-98bcd-YZ","Deactivated":false,"Info": "Internal Error 1012. Please press the [Update] button in license page to correct this problem. If the problem persists, please contact our technical support team to resolve this problem.", "Licensee": "ABC_Backup" }</pre>
	Output 3 Incorrect license key
	<pre>{ "Status":"Error","Message":"License key incorrect. Please try again." }</pre>
	Output 4 Server stopped
	<pre>{ "Status":"OK","Key":"XyZ98-AbcDE-fGhIJ-98bcd-YZ","Deactivated":false,"Info": "[OEM License.checkLicTime] License expired on 1970-01-01. Backup server is stopped.", "Licensee":"ABC_Backup" }</pre>

3.1.6 GetLicense

This API collects the license and usage information from the AhsayCBS server.

The related settings can be found on the AhsayCBS web console:

- ▶ *[System Settings]>[License]> [Backup]*

URL:	http://BACKUP_SERVER/obs/api/json/GetLicense.do	
Available since version:	7.3	
Parameters:		
Key Type Descriptions		
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Return Values:		
Key Type Descriptions		
Status	String	"OK" or "Error"
Data	LicenseData	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
LicenseData		
Key Type Descriptions		
Key	String	Product key
Licensee	String	Licensee name
ProductName	String	Name of the product, e.g. "Offsite Backup Software, OEM Edition"
Version	String	Version of the AhsayCBS.
UseProxy	Boolean	Enable / Disable the use of proxy defined in the AhsayCBS to connect the internet.
LicTypeName	String	Name of license type
MaxObmUsers	String	Maximum number of OBM user CALs.
UsedObmQuota	String	Used OBM user CALs.
RemainObmQuota	String	Remaining OBM user CALs.

	MaxAcbUsers	String	Maximum number of ACB user CALs.
	UsedAcbQuota	String	Used ACB user CALs.
	RemainAcbQuota	String	Remaining ACB user CALs.
	ExpiryDate	String	Expire date of the license key.
	SupExpDate	String	Expire date of the software support.
	MaxQuota	String	Maximum backup quota of a user
	Ip	String	The IP address of the AhsayCBS registered.
	Port	String	The connection port of the AhsayCBS registered.
	Mac	String	The MAC address of the network card that the AhsayCBS registered.
	MaxUsers	String	Maximum number of users allowed.
	AcbClientEnabled	Boolean	Enable / Disable the use of the ACB client module.
	DagUseObm	String	Used OBM CALs due to DAG usage.
	AcbUseObm	String	Used OBM CALs due to no ACB CALs.
	EnableReplication	Boolean	Enable / Disable the use of the replication module.
	EnableMSExchangeMailbox	Boolean	Enable / Disable the use of the Exchange Mailbox module.
	ExchangeMailboxQuota	String	Exchange Mailbox quota.
	UsedExchangeMailboxQuota	String	Used Exchange Mailbox quota.
	RemainExchangeMailboxQuota	String	Remaining Exchange Mailbox quota.
	EnableMsVm	Boolean	Enable / Disable the use of Hyper-V module.
	MsVmQuota	String	Hyper-V quota.
	UsedMsVmQuota	String	Used Hyper-V quota.
	RemainMsVmQuota	String	Remaining Hyper-V quota.
	MsVmSocketQuota	String	For AhsayCBS on 7.7.0.0 or above The Hyper-V socket quota.
	UsedMsVmSocketQuota	String	For AhsayCBS on 7.7.0.0 or above Used Hyper-V socket quota.
	RemainMsVmSocketQuota	String	For AhsayCBS on 7.7.0.0 or above Remaining Hyper-V socket quota.
	EnableVMware	Boolean	Enable / Disable the use of VMware quota.
	VMwareQuota	String	VMware quota.
	UsedVMwareQuota	String	Used VMware quota.
	RemainVMwareQuota	String	Remaining VMware quota.
	VMwareSocketQuota	String	For AhsayCBS on 7.7.0.0 or above The VMware socket quota.
	UsedVMwareSocketQuota	String	For AhsayCBS on 7.7.0.0 or above Used VMware socket quota.
	RemainVMwareSocketQuota	String	For AhsayCBS on 7.7.0.0 or above Remaining VMware socket quota.
	EnableMobile	Boolean	For AhsayCBS on 7.9.0.0 or above
	MobileQuota	String	For AhsayCBS on 7.9.0.0 or above
	UsedMobileQuota	String	For AhsayCBS on 7.9.0.0 or above
	RemainMobileQuota	String	For AhsayCBS on 7.9.0.0 or above
	EnableOffice365Mail	Boolean	Enable / Disable the use of Office 365 mail quota.
	Office365MailQuota	String	For AhsayCBS on 7.9.0.0 or above Office 365 mail quota.
	UsedOffice365MailQuota	String	For AhsayCBS on 7.9.0.0 or above Used Office 365 mail quota.
	RemainOffice365MailQuota	String	For AhsayCBS on 7.9.0.0 or above Remaining Office 365 mail quota.
	OpenDirectQuota	String	For AhsayCBS version 7.13.0.0 or above Granular restore/ open direct quota
	UsedOpenDirectQuota	String	For AhsayCBS version 7.13.0.0 or above Used Granular restore quota.
	RemainOpenDirectQuota	String	For AhsayCBS version 7.13.0.0 or above

			Remaining Granular restore quota.
	AcbOffice365MailQuota	String	For AhsayCBS version 7.11.0.4 or above Office 365 quota for AhsayACB.
	RemainAcbOffice365MailQuota	String	For AhsayCBS on 7.11.0.4 or above Used Office 365 mail quota for AhsayACB.
	UsedAcbOffice365MailQuota	String	For AhsayCBS on 7.11.0.4 or above Remaining Office 365 mail quota for AhsayACB.
	EnableNasClient	Boolean	Enable / Disable the use of NAS client module.
	NasClientQuota	String	NAS client quota.
	UsedNasClientQuota	String	Used NAS client quota.
	RemainNasClientQuota	String	Remaining NAS client quota.
	QnapQuota	String	For AhsayCBS version 7.17.0.0 or above.
	RemainQnapQuota	String	For AhsayCBS version 7.17.0.0 or above.
	UsedQnapQuota	String	For AhsayCBS version 7.17.0.0 or above.
	Deactivated	Boolean	Disabled / Enabled license key.
	EnableNasServer	Boolean	Enable / Disable the NAS server module.
	EnableUbs	Boolean	Enable / Disable the AhsayUBS module.
	EnableHa	Boolean	Enable / Disable the HA module.

Example:

Input
{ "SysUser":"api_user", "SysPwd":"abc123\$%" }
Output
{ >Status":"OK", >Data":{ "RemainVMwareQuota": "1990", "QnapQuota": "2000", "RemainVMwareSocketQuota": "2000", "AcbUseObmRep": 0, "Key": "XyZ98-AbcDE-fGhIJ-98bcd-YZ", "MaxAcbUsers": "2000", "RemainObmRepQuota": 0, "UsedObmQuota": "6", "EnableOffice365Mail": true, "UsedMobileQuota": "10", "RemainAcbRepQuota": 2000, "LicenseUnlimited": false, "MaxObmUsers": "5100", "RemainObmQuota": "5094", "ProductName": "Offsite Backup Software, OEM Edition", "Version": "7.17.0.30", "MaxQuota": "UNLIMITED", "ExchangeMailboxQuota": "2000", "EnableReplication": false, "UsedAcbQuota": "1", "Office365MailQuota": "2000", "UsedExchangeMailboxQuota": "10", "EnableHa": false, "EnableNasClient": true, "Deactivated": false, "EnableUbs": true, "VMwareSocketQuota": "2000", "AcbOffice365MailQuota": "2000", "ConnectExpt": false, "ExpiryDate": "12/31/2020", "UsedVMwareSocketQuota": "0", "AcbUseObm": 0, "Port": "80", "RemainNasClientQuota": "9", "Mac": "70-8B-CD-82-93-03, 00-FF-93-3A-AE-6D", "RemainMsVmQuota": "1990", "RemainAcbOffice365MailQuota": "2000", } }

```

        "RemainExchangeMailboxQuota": "1990",
        "Ip": "192.168.0.107",
        "UsedAcbRepQuota": 0,
        "UsedOffice365MailQuota": "20",
        "RemainOpenDirectQuota": "1990",
        "UsedVmwareQuota": "10",
        "EnableVmware": true,
        "RemainQnapQuota": "2000",
        "EnableMSEExchangeMailbox": true,
        "LicenseFile": "",
        "SupExpDate": "12/31/2020",
        "UsedNasClientQuota": "1",
        "EnableAcbOffice365Mail": true,
        "BrandedProductName": "",
        "MsVmQuota": "2000",
        "RemainAcbQuota": "1999",
        "EnableNasServer": false,
        "EnableMsVm": true,
        "LicType": 4,
        "UsedOpenDirectQuota": "10",
        "MaxUsers": "5100",
        "MsVmSocketQuota": "2000",
        "RemainOffice365MailQuota": "1980",
        "FormattedLicTestConnTime": "",
        "Licensee": "Ahsay-Licensee-Name",
        "RemainMsVmSocketQuota": "2000",
        "Description": "",
        "RemainMobileQuota": "1990",
        "MobileQuota": "2000",
        "LicTestConnTime": "-1",
        "NasClientQuota": "10",
        "OpenDirectQuota": "2000",
        "UsedObmRepQuota": 0,
        "UsedMsVmQuota": "10",
        "RequestFreeLic": false,
        "ObmRepQuota": 5100,
        "DateFormat": "MM/dd/yyyy",
        "UsedMsVmSocketQuota": "0",
        "UsedAcbOffice365MailQuota": "0",
        "AcbClientEnabled": true,
        "VmwareQuota": "2000",
        "LicTypeName": "OEM License",
        "DagUseObm": 0,
        "UseProxy": false,
        "UsedQnapQuota": "0",
        "EnableCbs": true,
        "EnableMobile": true,
        "AcbRepQuota": 2000,
        "LicTestConnResult": ""
    }
}

```

Note: Sample license key with sample output.

3.1.7 GetReplicationMode

This API gets the current replication status on the backup server.

The related settings can be found on the AhsayCBS web console:

- ➊ [Monitoring]>[Replication Logs]

URL:	http://BACKUP_SERVER/obs/api/json/GetReplicationMode.do																					
Available since version:	7.7																					
Parameters:																						
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role											
Key	Type	Descriptions																				
SysUser	String	AhsayCBS's system users with admin role																				
SysPwd	String	AhsayCBS's system users password with admin role																				
Return Values:																						
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Data</td><td>ReplicationData</td><td></td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Data	ReplicationData		Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"					
Key	Type	Descriptions																				
Status	String	"OK" or "Error"																				
Data	ReplicationData																					
Message	String	Error message, it exists only if status is "Error"																				
ExptType	String	The type of exception, it exists only if status is "Error"																				
JSON Objects:																						
<table border="1"> <thead> <tr> <th>ReplicationData</th><th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td></td><td>Enable</td><td>Boolean</td><td>Enable / Disable of the replication.</td></tr> <tr> <td></td><td>Replicators</td><td>Array of Replicator</td><td></td></tr> </tbody> </table>			ReplicationData	Key	Type	Descriptions		Enable	Boolean	Enable / Disable of the replication.		Replicators	Array of Replicator									
ReplicationData	Key	Type	Descriptions																			
	Enable	Boolean	Enable / Disable of the replication.																			
	Replicators	Array of Replicator																				
<table border="1"> <thead> <tr> <th>Replicator</th><th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td></td><td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td></td><td>BackupSetID</td><td>String</td><td>The 13 digit backup set ID.</td></tr> <tr> <td></td><td>Mode</td><td>String</td><td>The value can be any one of the following: RESYNC REPLAY PENDING SLEEPING</td></tr> <tr> <td></td><td>File</td><td>String</td><td>The file that is currently replicating.</td></tr> </tbody> </table>			Replicator	Key	Type	Descriptions		LoginName	String	Client user name		BackupSetID	String	The 13 digit backup set ID.		Mode	String	The value can be any one of the following: RESYNC REPLAY PENDING SLEEPING		File	String	The file that is currently replicating.
Replicator	Key	Type	Descriptions																			
	LoginName	String	Client user name																			
	BackupSetID	String	The 13 digit backup set ID.																			
	Mode	String	The value can be any one of the following: RESYNC REPLAY PENDING SLEEPING																			
	File	String	The file that is currently replicating.																			
Example:																						
<table border="1"> <thead> <tr> <th>Input</th><th>Output</th><th></th></tr> </thead> <tbody> <tr> <td>{ "SysUser":"api_user", "SysPwd":"abc123\$%" }</td><td>{ "Status":"OK", "Data":{ "Enable":true, "Replicators": [{ "LoginName":"userA", "File": "", "BackupSetID":"1463141188151", "Mode":"RESYNC" }] } }</td><td></td></tr> </tbody> </table>			Input	Output		{ "SysUser":"api_user", "SysPwd":"abc123\$%" }	{ "Status":"OK", "Data":{ "Enable":true, "Replicators": [{ "LoginName":"userA", "File": "", "BackupSetID":"1463141188151", "Mode":"RESYNC" }] } }															
Input	Output																					
{ "SysUser":"api_user", "SysPwd":"abc123\$%" }	{ "Status":"OK", "Data":{ "Enable":true, "Replicators": [{ "LoginName":"userA", "File": "", "BackupSetID":"1463141188151", "Mode":"RESYNC" }] } }																					

	[}	
--	---	---	--

3.2 System User

3.2.1 AddSysUser

This API adds system users.

The related settings can be found on the AhsayCBS web console:

- ▶ [System Settings]>[Basic]> [Administrative Access]

URL:		
http://BACKUP SERVER/obs/api/json/AddSysUser.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Login name of the system user
Password	String	
Role	String	Role of the system account The value can be set to one of the following: ADMIN READ_ONLY_ADMIN RESELLER API_ONLY
Hostname	String	Mandatory if "Role" is set to RESELLER
IP	String	Mandatory if "Role" is set to RESELLER
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"system", "SysPwd":"system", "LoginName":"api_user", "Password":"abc123\$%", "Role":"API_ONLY" }		
Output		
{"Status":"OK"}		
Output 2 User already exist		
{ "Status": "Error", "Message": "Name is already used. Please use another name.", "ExptType": "java.lang.Exception" }		

3.2.2 UpdateSysUser

This API changes the password of a system user.

The related settings can be found on the AhsayCBS web console:

- ▶ [System Settings]>[Basic]> [Administrative Access]

URL:		
		http://BACKUP_SERVER/obs/api/json/UpdateSysUser.do
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Login name of the system user
Password	String	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"system", "SysPwd":"password", "LoginName":"admin123", "Password":"changepassword" }		
Output		
{"Status":"OK"}		
Input Missing LoginName		
{ "SysUser":"system", "SysPwd":"password", "Password":"changepassword" }		
Output		
{ "Status": "Error", "Message": "[Error] Parameter LoginName is null/empty!", "ExptType": "com.ahsay.obs.core.dbs.c" }		

3.2.3 RemoveSysUser

This API removes a system user

The related settings can be found on the AhsayCBS web console:

- ▶ [System Settings]>[Basic]> [Administrative Access]

URL:		
http://BACKUP_SERVER/obs/api/json/RemoveSysUser.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
RemoveLoginName	String	Login name of the system user to remove
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{		
"SysUser": "admin",		
"SysPwd": "password",		
"RemoveLoginName": "dummyAdmin"		
}		
Output		
{"Status": "OK"}		
Input 2 System user does not exist		
{		
"SysUser": "admin",		
"SysPwd": "password",		
"RemoveLoginName": "dummy"		
}		
Output		
{		
"Status": "Error",		
"Message": "System user 'dummy' does not exist",		
"ExptType": "org.json.JSONException"		
}		

3.2.4 AuthSystemUser

This API checks whether the SysUser has admin right or not.

If the SysUser is of type read-only or API, return status will be error. The return status would be OK otherwise.

The related settings can be found on the AhsayCBS web console:

- *[System Settings]>[Basic]> [Administrative Access]*

URL:		
http://BACKUP_SERVER/obs/api/json/AuthSystemUser.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role

Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

Example:

Input Admin role

```
{
  "SysUser": "Admin",
  "SysPwd": "password"
}
```

Output

```
{"Status": "OK"}
```

Input Read-only role

```
{
  "SysUser": "Read-OnlyAdmin",
  "SysPwd": "password"
}
```

Output

```
{
  "Status": "Error",
  "Message": "Incorrect system username/password",
  "ExptType": "com.ahsay.obs.core.dbs.c"
}
```

3.2.5 ListSystemUsers

This API lists the information of all system users.

The related settings can be found on the AhsayCBS web console:

- *[System Settings]>[Basic]> [Administrative Access]*

URL:		
ListSystemUsers.do">http://BACKUP SERVER/obs/api/json>ListSystemUsers.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
RoleOnly	Boolean	List the role of system users only
Host	String	AhsayCBS's URL. It is required for calling API from Redirector only
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Array of SystemUserRole or Array of SystemUser	If RoleOnly is true, an array of SystemUserRole is returned. Otherwise, an array of SystemUser is returned.
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
SystemUserRole		
Key	Type	Descriptions
Name	String	
Role	String	The value can be any one of the following: ADMIN READ_ONLY_ADMIN RESELLER API_ONLY
SystemUser		
Key	Type	Descriptions
Name	String	
Role	String	The value can be any one of the following: ADMIN READ_ONLY_ADMIN API_ONLY
HashedPwd	String	
Example:		
Input		
{ "SysUser": "Admin", "SysPwd": "password" }		
Output		
{ "Status": "OK", "Data": [{ "Name": "SysUser", "HashedPwd": "u8XmYeEGxtzY3G3RhkVML8ujxxD7TY5xpgyT6vB38HM=", }] }		

```
        "Role": "READ_ONLY_ADMIN"
    },
    {
        "Name": "dummySysUser",
        "HashedPwd": "taLJYIBhl2bqJy/6xtl0Sq9LRarNlqp8/Lkx7jtVgIk=",
        "Role": "ADMIN"
    },
    {
        "Name": "system",
        "HashedPwd": "u8XmYeEGxtzY3G3RhkVML8ujxxD7TY5xpgyT6vB38HM=",
        "Role": "ADMIN"
    }
]
```

3.3 Group Policy

3.3.1 AddUserGroup

This API let you add a new user group and allocate user to it.

The related settings can be found on the AhsayCBS web console:

- ▶ *[Backup/Restore]>[User, Groups & Policies]> [User Group]*

URL:		
http://BACKUP_SERVER/obs/api/json/AddUserGroup.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
UserGroupName	String	Group name
Type	String	The value can be any one of the following: backup-user (Default value) system-user
BillingOption	String	The value can be any one of the following: group (Default value) individual
UserIdList	String	Multiple login names, separated by commas, are accepted. For example: user1,user2,user3
PolicyIDList	Array of String	Array of policy ID
EditBillingContactBeanList	Array of EditBillingCont actBean	Contact list
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
ID	String	
JSON Objects:		
EditBillingContactBean		
Key	Type	Descriptions
Contactid	String	
Name	String	
Email	String	
Address	String	
Company	String	
Website	String	
Phone1	String	
Phone2	String	
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "UserGroupName":"user-group" }		
Output		

	{"Status":"OK","ID":"1447039919940"}
Output 2 User group already in use	
	{ "Status": "Error", "Message": "The user group name is already in use", "ExptType": "java.lang.Exception" }
Input Add user group and assign policy	
	{ "SysUser": "api_user", "SysPwd": "abc123\$%", "UserGroupName": "test-usergroup", "PolicyIDList": ["1498011529749"] }:"user-group" }
Output	
	{"Status":"OK","ID":"1447039919940"}

3.3.2 DeletePolicyGroup

This API allows you to delete a policy group.

The related settings can be found on the AhsayCBS web console:

- ▶ *[Backup/Restore]>[User, Groups & Policies]> [Policy Group]*

URL:		
http://BACKUP_SERVER/obs/api/json/DeletePolicyGroup.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
ID	String	ID of the policy group
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123", "ID":" 1496989829495" }		
Output		
{"Status":"OK"}		

3.3.3 DeletePolicyGroupFromUserGroup

This API allows you to deallocate a assigned policy group within a user group

The related settings can be found on the AhsayCBS web console:

- ▶ *[Backup/Restore]>[User, Groups & Policies]> [User Group]>Click a usergroup
> [Assigned Policy]*

URL:		
http://BACKUP_SERVER/obs/api/json/DeletePolicyGroupFromUserGroup.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role

UserGroupID	String	ID of User Group
PolicyGroupID	String	ID of Policy Group
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"api", "SysPwd":"pwd", "UserGroupID":"1497233669967", "PolicyGroupID":"1497233409042" }		
Output		
{"Status":"OK"}		
Output 2 policy group not exist		
{ "Status": "Error", "Message": "Policy group does not exist", "ExptType": "org.json.JSONException" }		

3.3.4 DeleteUserFromUserGroup

This API allows you to delete users in a user group.

The related settings can be found on the AhsayCBS web console:

- ➊ [Backup/Restore]>[User, Groups & Policies]> [Backup User]>Click a user>
- [User Profile]>[User Group]

URL:	http://BACKUP_SERVER/obs/api/json/DeleteUserFromUserGroup.do	
Available since version:	7.3	
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
ID	String	ID of User Group
UserIdList	String	String of User ID
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"api", "SysPwd":"pwd", "ID": "1497233669967", "UserIdList": "1497233409042,1497233409043" }		

	<pre> "ID": "1497233669967", "UserIdList": "1497233409042, 1496977596356" } </pre>
	Output
	<pre>{"Status":"OK"}</pre>
	Output 2 User not exist
	<pre> { "Status": "Error", "Message": "[UserCacheManager.NoSuchUserExpt] User '1497233409042' not found.", "ExptType": "com.ahsay.obs.core.dbs.Y" } </pre>

3.3.5 DeleteUserGroup

This API allows you to delete a user group and all it's information.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup User]>Click a user>
- [User Profile]>[User Group]

URL:	http://BACKUP_SERVER/obs/api/json/DeleteUserGroup.do	
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
ID	String	ID of user group
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
<pre> { "SysUser": "api_user", "SysPwd": "abc123", "ID": "1497232492006" } </pre>		
Output		
<pre>{"Status": "OK"}</pre>		
Output 2 (user group not exist)		
<pre> { "Status": "Error", "Message": "[Error] Parameter UserGroupId, 1497232492006 does not existed!", "ExptType": "com.ahsay.obs.core.dbs.c" } </pre>		

3.3.6 ListPolicyGroups

This API lists a detailed settings information of a policy group.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore] > [User, Groups & Policies] > [Policy Group]

v1 ListPolicyGroups.do

URL:		
ListPolicyGroups.do">http://BACKUP_SERVER/obs/api/json>ListPolicyGroups.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	User name
PolicyGroupNameOnly	Boolean	Default value is false
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	NameInfo or PolicyGroup	If PolicyGroupNameOnly is true, NameInfo is returned. Otherwise PolicyGroup is returned.
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
NameInfo		
Key	Type	Descriptions
PolicyGroupID	String	
PolicyGroupName	String	
PolicyGroup		
Key	Type	Descriptions
ID	String	
Type	String	The value can be one of the following: BACKUP_USER SYSTEM_USER
PreemptedValues	PreemptedValues	
UserSettings	UserSettings	
GuiSettings	GuiSettings	
PreemptedBackupSetSettings	PreemptedBackupSetSettings	
BackupSetSettings	BackupSetSettings	
DefaultValues	DefaultValues	
PreemptedValues		
Key	Type	Descriptions
VmwareSettingsList	VmwareSettingsList	
VolumeShadowCopySettingsList	VolumeShadowCopySettingsList	
AllowedIPSettingsList	AllowedIPSettingsList	

FollowLinkSettingsList	FollowLinkSettingsList	
InFileDeltaSettingsList	InFileDeltaSettingsList	
CompressionsSettingsList	CompressionsSettingsList	
WinUserAuthSettingsList	WinUserAuthSettingsList	
FileSettingsList	FileSettingsList	
GranularRestoreSettingsList	GranularRestoreSettingsList	Supported from AhsayCBS version 7.13.0.0 or above
OpenDirectSettingsList		Supported from AhsayCBS version 7.13.0.0 or above
MswindowsSystemStateSettingsList	MswindowsSystemStateSettingsList	
DestinationSettingsList	DestinationSettingsList	
BandwidthControlSettingsList	BandwidthControlSettingsList	
NameSettingsList	NameSettingsList	
MySQLSettingsList	MySQLSettingsList	
FilePermissionsSettingsList	FilePermissionsSettingsList	
RetentionPolicySettingsList	RetentionPolicySettingsList	
ShadowProtectSettingsList	ShadowProtectSettingsList	
AdvancedSettingsList	AdvancedSettingsList	
CommandSettingsList	CommandSettingsList	
TemporaryDirectorySettingsList	TemporaryDirectorySettingsList	
OracleSettingsList	OracleSettingsList	
LotusNotesSettingsList	LotusNotesSettingsList	
ReminderSettingsList	ReminderSettingsList	
FilterSettingsList	FilterSettingsList	
MswindowsSystemSettingsList	MswindowsSystemSettingsList	
LotusDominoSettingsList	LotusDominoSettingsList	
ScheduleSettingsList	ScheduleSettingsList	
EncryptionSettingsList	EncryptionSettingsList	
ArchivedLogDeletionSettingsList	ArchivedLogDeletionSettingsList	
CdpSettingsList	CdpSettingsList	
GranularRestoreSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array of GranularRestoreSetting	
VmwareSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	

	OpenDirectSettingsList		
Key	Type	Descriptions	
Enable	Boolean		
List	Array		
VmwareSetting			
Key	Type	Descriptions	
Host	String		
Port	String		
Username	String		
Password	String		
Sshport	String	Port for ssh	
Id	String		
Version	String		
AutoEnableCBT	Boolean	Changed Block Tracking	
AppliedValueSettings	AppliedValueSettings		
AppliedValueSettings			
Key	Type	Descriptions	
Id	String		
Type	String	For DefaultValues, this value is "default" For PreemptedValues, this value is "preempted"	
Mode	String	For DefaultValues, this value is empty. For PreemptedValues, this value can be one of the following: prepend append override	
Name	String		
Os	String	This value can be empty, one of the following: windows mac linux	
AppliedModuleIDList	Array	The String can be any of the following values: FILE Cloud File Lotus Domino Lotus Notes Microsoft Exchange Server Microsoft Exchange Mail (MAPI) Microsoft SQL Server Microsoft Windows Virtualization Microsoft Windows System Backup MySQL Oracle Database Server ShadowProtect Bare Metal System State VMware Virtualization Office 365 Exchange Online If a String above is added to the array, that module is selected.	
Version	String	This value can be empty, or non-empty for specific modules. For VMWare module, the value can be one of the following: APPVERSION_ESX_V2 APPVERSION_ESXI_V2 APPVERSION_VMSERVER1 APPVERSION_VMSERVER2 APPVERSION_WORKSTATION APPVERSION_WORKSTATION8 APPVERSION_PLAYER APPVERSION_FUSION APPVERSION_FUSIONS APPVERSION_VCENTER_V2 For Microsoft Exchange and Exchange Mail module, the value can be one of the following: 8 (For Microsoft Exchange Server 2007)	

			<p>14 (For Microsoft Exchange Server 2010) 15 (For Microsoft Exchange Server 2013) DAG (For Microsoft Exchange Server 2010 (Database Availability Group)) DAG13 (For Microsoft Exchange Server 2013 (Database Availability Group))</p> <p>For Microsoft Hyper-V module, the value can be one of the following:</p> <p>Microsoft Hyper-V Server Microsoft Hyper-V Server R2 Microsoft Hyper-V Server R2 (Failover Cluster) Microsoft Hyper-V Server 2012 Microsoft Hyper-V Server 2012 (Failover Cluster) Microsoft Hyper-V Server 2012 R2 Microsoft Hyper-V Server 2012 R2 (Failover Cluster)</p>																				
VolumeShadowCopySettingsList																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Enable</td><td>Boolean</td><td></td><td></td></tr> <tr> <td>List</td><td>Array</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Enable	Boolean			List	Array										
Key	Type	Descriptions																					
Enable	Boolean																						
List	Array																						
VolumeShadowCopySetting																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Enable</td><td>Boolean</td><td></td><td></td></tr> <tr> <td>Id</td><td>String</td><td></td><td></td></tr> <tr> <td>AppliedValueSettings</td><td>AppliedValueSettings</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Enable	Boolean			Id	String			AppliedValueSettings	AppliedValueSettings						
Key	Type	Descriptions																					
Enable	Boolean																						
Id	String																						
AppliedValueSettings	AppliedValueSettings																						
AllowedIPSettingsList																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Enable</td><td>Boolean</td><td></td><td></td></tr> <tr> <td>List</td><td>Array</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Enable	Boolean			List	Array										
Key	Type	Descriptions																					
Enable	Boolean																						
List	Array																						
AllowedIPSetting																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Id</td><td>String</td><td></td><td></td></tr> <tr> <td>AllowedIPList</td><td>Array</td><td></td><td></td></tr> <tr> <td>AppliedValueSettings</td><td>AppliedValueSettings</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Id	String			AllowedIPList	Array			AppliedValueSettings	AppliedValueSettings						
Key	Type	Descriptions																					
Id	String																						
AllowedIPList	Array																						
AppliedValueSettings	AppliedValueSettings																						
AllowedIP																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Id</td><td>String</td><td></td><td></td></tr> <tr> <td>StartIP</td><td>String</td><td></td><td></td></tr> <tr> <td>EndIP</td><td>String</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Id	String			StartIP	String			EndIP	String						
Key	Type	Descriptions																					
Id	String																						
StartIP	String																						
EndIP	String																						
FollowLinkSettingsList																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Enable</td><td>Boolean</td><td></td><td></td></tr> <tr> <td>List</td><td>Array</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Enable	Boolean			List	Array										
Key	Type	Descriptions																					
Enable	Boolean																						
List	Array																						
FollowLinkSetting																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Enable</td><td>Boolean</td><td></td><td></td></tr> <tr> <td>Id</td><td>String</td><td></td><td></td></tr> <tr> <td>AppliedValueSettings</td><td>AppliedValueSettings</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Enable	Boolean			Id	String			AppliedValueSettings	AppliedValueSettings						
Key	Type	Descriptions																					
Enable	Boolean																						
Id	String																						
AppliedValueSettings	AppliedValueSettings																						
InFileDeltaSettingsList																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Enable</td><td>Boolean</td><td></td><td></td></tr> <tr> <td>List</td><td>Array</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Enable	Boolean			List	Array										
Key	Type	Descriptions																					
Enable	Boolean																						
List	Array																						
InFileDeltaSetting																							
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th><th></th></tr> </thead> <tbody> <tr> <td>Enable</td><td>Boolean</td><td></td><td></td></tr> <tr> <td>Id</td><td>String</td><td></td><td></td></tr> <tr> <td>WeeklyInFileDeltaSchedule</td><td>WeeklyInFileDeltaSchedule</td><td></td><td></td></tr> <tr> <td>MonthlyInFileDeltaSchedule</td><td>MonthlyInFileDeltaSchedule</td><td></td><td></td></tr> </tbody> </table>				Key	Type	Descriptions		Enable	Boolean			Id	String			WeeklyInFileDeltaSchedule	WeeklyInFileDeltaSchedule			MonthlyInFileDeltaSchedule	MonthlyInFileDeltaSchedule		
Key	Type	Descriptions																					
Enable	Boolean																						
Id	String																						
WeeklyInFileDeltaSchedule	WeeklyInFileDeltaSchedule																						
MonthlyInFileDeltaSchedule	MonthlyInFileDeltaSchedule																						

	MinDeltaFileSize	Long	
	MaxNumOfDelta	Long	
	MaxDeltaRatio	Long	
	DeltaBlockSize	Long	
	DefaultDeltaType	String	
	AppliedValueSettings	AppliedValueSettings	
WeeklyInFileDeltaSchedule			
Key	Type	Descriptions	
Day	Array of String	The array contains 7 Strings, representing the delta type from Sunday to Saturday. The values of the Strings can be one of the following: F (For full backup) D (For differential delta) I (For incremental delta)	
MonthlyInFileDeltaSchedule			
Key	Type	Descriptions	
Date	Long		
Criteria	String	The value can be one of the following: Weekday Weekend Sunday Monday Tuesday Wednesday Thursday Friday Saturday	
Occurrence	String	The value can be one of the following: First Second Third Fourth Last	
Month	Array	The array contains 12 Strings, representing the delta type from January to December The values of the Strings can be one of the following: F (For full backup) D (For differential delta) I (For incremental delta)	
CompressionsSettingsList			
Key	Type	Descriptions	
Enable	Boolean		
List	Array of CompressionsSetting		
CompressionsSetting			
Key	Type	Descriptions	
Id	String		
Type	String	The value can be empty, or one of the following: GzipDefaultCompression GzipBestSpeedCompression	
AppliedValueSettings	AppliedValueSettings		
WinUserAuthSettingsList			
Key	Type	Descriptions	
Enable	Boolean		
List	Array		
WinUserAuthSetting			

Key	Type	Descriptions
Id	String	
Domain	String	
Password	String	
Username	String	
AppliedValueSettings	AppliedValueSettings	
FileSettingsList		
Key	Type	Descriptions
Id	String	
WindowsOutlook	Boolean	
WindowsOutlookExpress	Boolean	
WindowsDesktop	Boolean	
WindowsFavourites	Boolean	
WindowsMail	Boolean	
Version	String	
WindowsMyDocuments	Boolean	
WindowsLiveMail	Boolean	
AppliedValueSettings	AppliedValueSettings	
MswindowsSystemStateSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
MswindowsSystemStateSetting		
Key	Type	Descriptions
Id	String	
Version	String	
BackupTarget	String	
AppliedValueSettings	AppliedValueSettings	
DestinationSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
DestinationSetting		
Key	Type	Descriptions
Id	String	
SystemDestinationIDList	Array	
DestinationList	Array	
SystemDestinationList	Array	
AppliedValueSettings	AppliedValueSettings	
Destination		
Key	Type	Descriptions
Id	String	
BandwidthControlSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
BandwidthControlSetting		
Key	Type	Descriptions
Enable	Boolean	
Id	String	
BandwidthControlList	Array	
Mode	String	The value can be one of the following: independent share
AppliedValueSettings	AppliedValueSettings	

	BandwidthControl		
	Key	Type	Descriptions
	Name	String	
	Id	String	
	StartDay	Long	
	StartHour	Long	
	StartMinute	Long	
	EndDay	Long	
	EndHour	Long	
	EndMinute	Long	
	MaxTransferRateInBitsPerSec	Long	
	NameSettingsList		
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
	NameSetting		
	Key	Type	Descriptions
	Id	String	
	Name	String	
	AppliedValueSettings	AppliedValueSettings	
	MySQLSettingsList		
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
	MySQLSetting		
	Key	Type	Descriptions
	Id	String	
	Host	String	
	Port	String	
	Username	String	
	Password	String	
	MysqldumpPath	String	
	Version	String	
	AppliedValueSettings	AppliedValueSettings	
	FilePermissionsSettingsList		
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
	FilePermissionsSetting		
	Key	Type	Descriptions
	Enable	Boolean	
	Id	String	
	AppliedValueSettings	AppliedValueSettings	
	RetentionPolicySettingsList		
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
	RetentionPolicySetting		
	Key	Type	Descriptions
	Id	String	
	Period	Long	
	OverlapSensitive	Boolean	
	AdvancedRetentionPolicyList	Array	
	Type	String	The value can be one of the following: SIMPLE ADVANCED

	Unit	String	The value can be one of the following: DAYS JOBS
	AppliedValueSettings	AppliedValueS ettings	
AdvancedRetentionPolicy			
Key		Type	Descriptions
Name		String	
ReadOnly		Boolean	
Id		Long	
Type		String	The value can be one of the following: DAILY WEEKLY MONTHLY QUARTERLY YEARLY CUSTOM
NumbersToKeep		Integer	
Day		Integer	
Week		Integer	
Month		Integer	
Year		Integer	
DateType		String	It can be empty for daily or weekly retention policy, or one of the following: WEEK_OF_MONTH WEEK_OF_YEAR EXACT
Sun, Mon, Tue, Wed, Thu, Fri, Sat		Boolean	For weekly custom retention policy
ShadowProtectSettingsList			
Key		Type	Descriptions
Enable		Boolean	
List		Array	
ShadowProtectSetting			
Key		Type	Descriptions
Id		String	
EncryptionAlgorithm		Long	
EncryptionPassword		String	
Version		String	
InstallLocation		String	
AppliedValueSettings		AppliedValueS ettings	
AdvancedSettingsList			
Key		Type	Descriptions
Enable		Boolean	
List		Array	
AdvancedSetting			
Key		Type	Descriptions
Id		String	
DeselectedSourceList		Array	
SelectedSourceList		Array	
Enable		Boolean	
AppliedValueSettings		AppliedValueS ettings	
CommandSettingsList			
Key		Type	Descriptions
Enable		Boolean	
List		Array	
CommandSetting			
Key		Type	Descriptions
Id		String	

	PreCommandList	Array of Command	
	PostCommandList	Array of Command	
	AppliedValueSettings	AppliedValueSettings	
Command			
Key		Type	Descriptions
	Id	String	
	Name	String	
	Type	String	The value can be one of the following: pre (for Pre-command) post (for Post-command)
	Command	String	
	WorkingDir	String	
TemporaryDirectorySettingsList			
Key		Type	Descriptions
	Enable	Boolean	
	List	Array	
OracleSettingsList			
Key		Type	Descriptions
	Enable	Boolean	
	List	Array	
OracleSetting			
Key		Type	Descriptions
	Id	String	
	Host	String	
	Port	String	
	LoginID	String	
	Password	String	
	Sid	String	
	Version	String	
	AppliedValueSettings	AppliedValueSettings	
LotusNotesSettingsList			
Key		Type	Descriptions
	Enable	Boolean	
	List	Array	
LotusNotesSetting			
Key		Type	Descriptions
	Id	String	
	NotesIniPath	String	
	Version	String	
	AppliedValueSettings	AppliedValueSettings	
ReminderSettingsList			
Key		Type	Descriptions
	Enable	Boolean	
	List	Array	
ReminderSetting			
Key		Type	Descriptions
	OfflineNotificationDay	Long	
	BackupIntervalHour	Long	
	OfflineBackupEnabled	Boolean	
	OfflineBackupReminderCompute rName	String	
	BackupIntervalDay	Long	

ShowOfflineBackupReminder	Boolean	
LogoutBackupReminderEnabled	Boolean	
LogoutBackupReminderCompute rName	String	
Id	String	
AppliedValueSettings	AppliedValueS ettings	
FilterSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
FilterSetting		
Key	Type	Descriptions
Enable	Boolean	
Id	String	
FilterList	Array of Filter	
AppliedValueSettings	AppliedValueS ettings	
Filter		
Key	Type	Descriptions
Name	String	
PatternList	Array	
ApplyToDir	Boolean	
ApplyToFile	Boolean	
TopDir	String	
Type	String	The value can be one of the following: START_WITH END_WITH CONTAIN CUSTOM
MatchPatternAgainstFullPathOnl y	Boolean	
Include	Boolean	
Only	Boolean	
Pattern		
Key	Type	Descriptions
Pattern	String	
MswindowsSystemSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
MswindowsSystemSetting		
Key	Type	Descriptions
Id	String	
Version	String	
BackupTarget	String	
AppliedValueSettings	AppliedValueS ettings	
LotusDominoSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
LotusDominoSetting		
Key	Type	Descriptions
Id	String	
Version	String	
NotesIniPath	String	
AppliedValueSettings	AppliedValueS	

		ettings	
ScheduleSettingsList			
Key		Type	Descriptions
Enable	Boolean		
List	Array		
ScheduleSetting			
Key		Type	Descriptions
Id	String		
Enable	Boolean		
ComputerName	String		
DailyScheduleList	Array		
WeeklyScheduleList	Array		
MonthlyScheduleList	Array		
CustomScheduleList	Array		
AppliedValueSettings	AppliedValueSettings		
DailySchedule			
Key		Type	Descriptions
ReadOnly	Boolean		
Name	String		
Id	Long		
Hour	Integer		
Minute	Integer		
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24	
BackupType	String	The value can be empty, or one of the following: DATABASE DIFFERENTIAL LOG SKIP POWEROFF For Oracle and Lotus Domino backup sets, the value must be DATABASE or LOG For MS SQL Server backup sets, the value must be DATABASE or DIFFERENTIAL For MS Exchange Server before 2007 and Shadow Protect backup sets, the value must be DATABASE, DIFFERENTIAL, or LOG For MS Exchange Server 2007 or above, the value must be DATABASE or LOG For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be SKIP or POWEROFF	
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy	
LastUpdateTime	Long		
@class	String	com.ahsay.obx.cxp.obs.DailySchedule	
WeeklySchedule			
Key		Type	Descriptions
ReadOnly	Boolean		
Name	String		
Id	Long		
Hour	Integer		
Minute	Integer		
Duration	Integer	(optional) If no value is specified default value = -1	

			The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24
BackupType	String	Refer to "BackupType" of DailySchedule	
Days	Array	The array contains 7 boolean values that correspond to Sunday to Saturday. If the boolean value is true, backup will be run on that day.	
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy	
LastUpdateTime	Long		
@class	String	com.ahsay.obx.cxp.obs.WeeklySchedule	
MonthlySchedule			
Key	Type	Descriptions	
ReadOnly	Boolean		
Name	String		
Id	Long		
Hour	Integer		
Minute	Integer		
BackupType	String	Refer to "BackupType" of DailySchedule	
Duration	Integer		
Occurrence	String	The value can be one of the following: First Second Third Fourth Last	
Criteria	String	The value can be one of the following: Sunday Monday Tuesday Wednesday Thursday Friday Saturday Weekday Weekend	
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy	
LastUpdateTime	Long		
@class	String	com.ahsay.obx.cxp.obs.MonthlySchedule	
CustomSchedule			
Key	Type	Descriptions	
ReadOnly	Boolean		
Name	String		
Id	Long		
Hour	Integer		
Minute	Integer		
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24	
Date	String	In yyyy-MM-dd format	
BackupType	String	Refer to "BackupType" of DailySchedule	
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy	
LastUpdateTime	Long		
@class	String	com.ahsay.obx.cxp.obs.CustomSchedule	
EncryptionSettingsList			
Key	Type	Descriptions	
Enable	Boolean		
List	Array		

	EncryptionSetting		
	Key	Type	Descriptions
	KeyLength	Long	
	Key	String	
	Type	String	
	Algorithm	String	
	Mode	String	
	Id	String	
	AppliedValueSettings	AppliedValueSettings	
	ArchivedLogDeletionSettingsList		
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
	ArchivedLogDeletionSetting		
	Key	Type	Descriptions
	Id	String	
	Enable	Boolean	
	Days	Long	
	AppliedValueSettings	AppliedValueSettings	
	CdpSettingsList		
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array of CdpSetting	
	CdpSetting		
	Key	Type	Descriptions
	Enable	Boolean	
	Id	String	
	Type	String	<p>For v6, the value can be one of the following:</p> <p>all-volume backup-source custom-source</p> <p>For 7, the value is all-volume</p>
	BackupType	String	<p>The value can be empty, or one of the following:</p> <p>DATABASE DIFFERENTIAL LOG SKIP POWEROFF</p> <p>For Oracle and Lotus Domino backup sets, the value must be DATABASE or LOG</p> <p>For MS SQL Server backup sets, the value must be DATABASE or DIFFERENTIAL</p> <p>For MS Exchange Server before 2007 and Shadow Protect backup sets, the value must be DATABASE, DIFFERENTIAL, or LOG</p> <p>For MS Exchange Server 2007 or above, the value must be DATABASE or LOG</p> <p>For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be SKIP or POWEROFF</p>
	MinUpdateInterval	Long	
	TimeMarkInterval	Long	
	MaxFileSize	Long	
	ComputerName	String	

	ExcludeSystemFiles	Boolean	Do not backup system files.
	FilterList	Array	
	CdpBackupControlSettings	Array	
	Version	String	The value can be one of the following: 6 7
	SelectedSourceList	Array	
	AppliedValueSettings	AppliedValueSettings	
CdpBackupControl			
	Key	Type	Descriptions
	ConsiderCpuUsage	Boolean	This setting only applicable for v6 legacy backup users.
	CpuUsage	Integer	This setting only applicable for v6 legacy backup users.
	ConsiderInput	Boolean	This setting only applicable for v6 legacy backup users.
	ObserveInputForSecond	Integer	This setting only applicable for v6 legacy backup users.
	ConsiderNetworkTraffic	Boolean	This setting only applicable for v6 legacy backup users.
	NetworkTraffic	Long	This setting only applicable for v6 legacy backup users.
UserSettings			
	Key	Type	Descriptions
	MaximumBackupSetsSettings	String	
	RunDirectLimitSettings	String	
	HostLimitSettings	String	
	BackupDestinationSettings	String	
	QuotaSettings	String	
	EncryptionKeySettings	String	
	EmailReportSettings	String	
	PasswordSettings	String	
	LogonSettings	String	
MaximumBackupSetsSettings			
	Key	Type	Descriptions
	Enable	Boolean	
	MaximumBackupSetsPerUser	Long	
RunDirectLimitSettings			
	Key	Type	Descriptions
	Enable	Boolean	
	MaxVm	Long	
HostLimitSettings			
	Key	Type	Descriptions
	Enable	Boolean	
	MaxHost	Long	
BackupDestinationSettings			
	Key	Type	Descriptions
	ApplicationName	String	
	CustomDestinationList	Array	
	SystemDestIDList	Array	
	SystemDestinationList	Array	
CustomDestination			
	Key	Type	Descriptions
	Name	String	
	KeyName	String	The value can be one of the following: com.ahsay.obx.cxp.cpf.policy.userSettings.LocalDestination com.ahsay.obx.cxp.cpf.policy.userSettings.AmazonCloudDriveDestination com.ahsay.obx.cxp.cpf.policy.userSettings.AmazonS3Destination com.ahsay.obx.cxp.cpf.policy.userSettings.AWSCompatibleDestination com.ahsay.obx.cxp.cpf.policy.userSettings.GoogleCloudStorageDestination com.ahsay.obx.cxp.cpf.policy.userSettings.GoogleDriveDestination com.ahsay.obx.cxp.cpf.policy.userSettings.PooledDestination com.ahsay.obx.cxp.cpf.policy.userSettings.WindowsAzureDestination com.ahsay.obx.cxp.cpf.policy.userSettings.OneDriveDestination com.ahsay.obx.cxp.cpf.policy.userSettings.OneDrive4BizDestination

			com.ahsay.obx.cxp.cpf.policy.userSettings.RackspaceDestination com.ahsay.obx.cxp.cpf.policy.userSettings.OpenStackDestination com.ahsay.obx.cxp.cpf.policy.userSettings.DropboxDestination com.ahsay.obx.cxp.cpf.policy.userSettings.FtpDestination com.ahsay.obx.cxp.cpf.policy.userSettings.SftpDestination com.ahsay.obx.cxp.cpf.policy.userSettings.ObsDestination com.ahsay.obx.cxp.cpf.policy.userSetting.AliyunDestination
SystemDestination			
Key	Type	Descriptions	
EnableQuota	Boolean		
Quota	Long		
DestinationID	Long		
DestinationName	String		
DestinationType	String		
QuotaSettings			
Key	Type	Descriptions	
MaxPercentage	Long		
SharedQuota	Long		
Enable	Boolean		
SharedQuotaEnable	Boolean		
Compress	Boolean		
EncryptionKeySettings			
Key	Type	Descriptions	
Enable	Boolean		
Upload	Boolean		
EmailReportSettings			
Key	Type	Descriptions	
Enable	Boolean		
ConsolidatedReportSendMin	Long		
ConsolidatedReportSendHour	Long		
SendIndividualReport	Boolean		
SendConsolidatedReport	Boolean		
ContactList	Array		
Contact			
Key	Type	Descriptions	
Id	String		
Name	String		
Email	String		
EncryptEmail	Boolean		
EmailCertificate	String		
Address	String		
Website	Boolean		
Company	String		
Phone1	String		
Phone2	String		
PasswordSettings			
Key	Type	Descriptions	
Enable	Boolean		
Type	String	The value can be one of the following: DEFAULT CUSTOM	
Number	Boolean		
Lowercase	Boolean		
MinimumLength	Long		
EnforcePasswordHistory	Boolean		
SpecialCharacters	Boolean		
Uppercase	Boolean		
PasswordAge	Long		
MinimumLengthEnabled	Boolean		
Regex	String		
LogonSettings			
Key	Type	Descriptions	

Enable	Boolean	
InvalidLoginAttemptPeriod	Long	
BlockMinute	Long	
BlockHour	Long	
NumOfinvalidLogin	Long	
BlockType	String	The value can be one of the following: MINUTE HOUR FOREVER
GuiSettings		
Key	Type	Descriptions
PrivilegeList	Array	
Privilege		
Key	Type	Descriptions
Id	String	
EnableRead	Boolean	
EnableWrite	Boolean	If write privilege is not available for the privilege, this key is removed from the result
PrivilegeGroup	String	
PolicyName	String	
DisplayName	String	The name of privilege defined in properties
PreemptedBackupSetSettings		
Key	Type	Descriptions
PreemptedBackupSetList	Array	Refer to BackupSet JSON Object in ListBackupSets API
BackupSetSettings		
Key	Type	Descriptions
ExcludeFileSettings	ExcludeFileSettings	
ExcludeFileSettings		
Key	Type	Descriptions
Enable	Boolean	
LastModifiedPeriodType	String	The value can be one of the following: YEAR
LastModifiedType	String	The value can be one of the following: PERIOD
LastModifiedDate	Long	
ExcludeFileSize	Boolean	
ExcludeMappedDrive	Boolean	
ExcludeLastModified	Boolean	
FileSize	Long	
LastModifiedPeriod	Long	
DefaultValues		
Key	Type	Descriptions
VmwareSettingsList	VmwareSettingsList	
VolumeShadowCopySettingsList	VolumeShadowCopySettingsList	
AllowedIPSettingsList	AllowedIPSettingsList	
FollowLinkSettingsList	FollowLinkSettingsList	
InFileDeltaSettingsList	InFileDeltaSettingsList	
CompressionsSettingsList	CompressionsSettingsList	
WinUserAuthSettingsList	WinUserAuthSettingsList	
FileSettingsList	FileSettingsList	
MswindowsSystemStateSettingsList	MswindowsSystemStateSettingsList	

		gsList	
	DestinationSettingsList	DestinationSettingsList	
	BandwidthControlSettingsList	BandwidthControlSettingsList	
	NameSettingsList	NameSettingsList	
	MySQLSettingsList	MySQLSettingsList	
	FilePermissionsSettingsList	FilePermissionsSettingsList	
	RetentionPolicySettingsList	RetentionPolicySettingsList	
	ShadowProtectSettingsList	ShadowProtectSettingsList	
	AdvancedSettingsList	AdvancedSettingsList	
	CommandSettingsList	CommandSettingsList	
	TemporaryDirectorySettingsList	TemporaryDirectorySettingsList	
	OracleSettingsList	OracleSettingsList	
	LotusNotesSettingsList	LotusNotesSettingsList	
	ReminderSettingsList	ReminderSettingsList	
	FilterSettingsList	FilterSettingsList	
	MswindowsSystemSettingsList	MswindowsSystemSettingsList	
	LotusDominoSettingsList	LotusDominoSettingsList	
	ScheduleSettingsList	ScheduleSettingsList	
	EncryptionSettingsList	EncryptionSettingsList	
	ArchivedLogDeletionSettingsList	ArchivedLogDeletionSettingsList	
	CdpSettingsList	CdpSettingsList	
	OpendirectSettingsList	OpendirectSettingsList	Supported from AhsayCBS version 7.13.0.0 or above
	GranularRestoreSettingsList	GranularRestoreSettingsList	Supported from AhsayCBS version 7.13.0.0 or above

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

Example:

Input

```
{
  "SysUser": "api",
  "SysPwd": "pwd",
  "LoginName": "user",
  "PolicyGroupNameOnly": true
}
```

Output

```
{
  "Status": "OK",
  "Data": [
    {
      "PolicyGroupName": "Default settings",
      "PolicyGroupID": "2"
    }
  ]
}
```

```

    }
]
}

```

v2 ListPolicyGroups.do

To facilitate the Quota Management feature since AhsayCBS version 7.15.6.0, a new version of the ListPolicyGroups.do API (v2 ListPolicyGroups) was introduced.

A new SharedQuotaSettings and UserQuotaSettings JSON objects (list of quota for multiple backup destinations) were introduced.

While AhsayCBS version 7.15.6.0 or above is backward compatible with API calls in previous format (pre-7.15.6.0 API format), it is highly recommended to use the new version of the API instead (e.g. v2 ListPolicyGroups.do).

URL:		
ListPolicyGroups.do">http://BACKUP_SERVER/obs/api/json/2>ListPolicyGroups.do		
Available since version:		
7.15.6.0		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	User name
PolicyGroupNameOnly	Boolean	Default value is false
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	NameValuePair or PolicyGroup	If PolicyGroupNameOnly is true, NameValuePair is returned. Otherwise PolicyGroup is returned.
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
NameValuePair		
Key	Type	Descriptions
PolicyGroupID	String	
PolicyGroupName	String	
PolicyGroup		
Key	Type	Descriptions
ID	String	
Type	String	The value can be one of the following: BACKUP_USER SYSTEM_USER
PreemptedValues	PreemptedValues	
UserSettings	UserSettings	
GuiSettings	GuiSettings	
PreemptedBackupSetSettings	PreemptedBackupSetSettings	
BackupSetSettings	BackupSetSettings	
DefaultValues	DefaultValues	
PreemptedValues		
Key	Type	Descriptions

VmwareSettingsList	VmwareSettingsList	
VolumeShadowCopySettingsList	VolumeShadowCopySettingsList	
AllowedIPSettingsList	AllowedIPSettingsList	
FollowLinkSettingsList	FollowLinkSettingsList	
InFileDeltaSettingsList	InFileDeltaSettingsList	
CompressionsSettingsList	CompressionsSettingsList	
WinUserAuthSettingsList	WinUserAuthSettingsList	
FileSettingsList	FileSettingsList	
GranularRestoreSettingsList	GranularRestoreSettingsList	Supported from AhsayCBS v7.13.0.0 or above
OpenDirectSettingsList		Supported from AhsayCBS v7.13.0.0 or above
MswindowsSystemStateSettingsList	MswindowsSystemStateSettingsList	
DestinationSettingsList	DestinationSettingsList	
BandwidthControlSettingsList	BandwidthControlSettingsList	
NameSettingsList	NameSettingsList	
MySQLSettingsList	MySQLSettingsList	
FilePermissionsSettingsList	FilePermissionsSettingsList	
RetentionPolicySettingsList	RetentionPolicySettingsList	
ShadowProtectSettingsList	ShadowProtectSettingsList	
AdvancedSettingsList	AdvancedSettingsList	
CommandSettingsList	CommandSettingsList	
TemporaryDirectorySettingsList	TemporaryDirectorySettingsList	
OracleSettingsList	OracleSettingsList	
LotusNotesSettingsList	LotusNotesSettingsList	
ReminderSettingsList	ReminderSettingsList	
FilterSettingsList	FilterSettingsList	
MswindowsSystemSettingsList	MswindowsSystemSettingsList	
LotusDominoSettingsList	LotusDominoSettingsList	
ScheduleSettingsList	ScheduleSettingsList	
EncryptionSettingsList	EncryptionSettingsList	
ArchivedLogDeletionSettingsList	ArchivedLogDeletionSettingsList	
CdpSettingsList	CdpSettingsList	
GranularRestoreSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array of	

		GranularResto reSetting	
VmwareSettingsList			
Key	Type	Descriptions	
Enable	Boolean		
List	Array		
OpenDirectSettingsList			
Key	Type	Descriptions	
Enable	Boolean		
List	Array		
VmwareSetting			
Key	Type	Descriptions	
Host	String		
Port	String		
Username	String		
Password	String		
Sshport	String	Port for ssh	
Id	String		
Version	String		
AutoEnableCBT	Boolean	Changed Block Tracking	
AppliedValueSettings	AppliedValueS ettings		
AppliedValueSettings			
Key	Type	Descriptions	
Id	String		
Type	String	For DefaultValues, this value is "default" For PreemptedValues, this value is "preempted"	
Mode	String	For DefaultValues, this value is empty. For PreemptedValues, this value can be one of the following: prepend append override	
Name	String		
Os	String	This value can be empty, one of the following: windows mac linux	
AppliedModuleIDList	Array	The String can be any of the following values: FILE Cloud File Lotus Domino Lotus Notes Microsoft Exchange Server Microsoft Exchange Mail (MAPI) Microsoft SQL Server Microsoft Windows Virtualization Microsoft Windows System Backup MySQL Oracle Database Server ShadowProtect Bare Metal System State VMware Virtualization Office 365 Exchange Online If a String above is added to the array, that module is selected.	
Version	String	This value can be empty, or non-empty for specific modules. For VMWare module, the value can be one of the following: APPVERSION_ESX_V2 APPVERSION_ESXI_V2 APPVERSION_VMSERVER1 APPVERSION_VMSERVER2 APPVERSION_WORKSTATION APPVERSION_WORKSTATION8 APPVERSION_PLAYER APPVERSION_FUSION	

		<p>APPVERSION_FUSIONS APPVERSION_VCENTER_V2</p> <p>For Microsoft Exchange and Exchange Mail module, the value can be one of the following:</p> <p>8 (For Microsoft Exchange Server 2007) 14 (For Microsoft Exchange Server 2010) 15 (For Microsoft Exchange Server 2013) DAG (For Microsoft Exchange Server 2010 (Database Availability Group)) DAG13 (For Microsoft Exchange Server 2013 (Database Availability Group))</p> <p>For Microsoft Hyper-V module, the value can be one of the following:</p> <p>Microsoft Hyper-V Server Microsoft Hyper-V Server R2 Microsoft Hyper-V Server R2 (Failover Cluster) Microsoft Hyper-V Server 2012 Microsoft Hyper-V Server 2012 (Failover Cluster) Microsoft Hyper-V Server 2012 R2 Microsoft Hyper-V Server 2012 R2 (Failover Cluster)</p>
VolumeShadowCopySettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
VolumeShadowCopySetting		
Key	Type	Descriptions
Enable	Boolean	
Id	String	
AppliedValueSettings	AppliedValueS ettings	
AllowedIPSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
AllowedIPSetting		
Key	Type	Descriptions
Id	String	
AllowedIPList	Array	
AppliedValueSettings	AppliedValueS ettings	
AllowedIP		
Key	Type	Descriptions
Id	String	
StartIP	String	
EndIP	String	
FollowLinkSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
FollowLinkSetting		
Key	Type	Descriptions
Enable	Boolean	
Id	String	
AppliedValueSettings	AppliedValueS ettings	
InFileDeltaSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
InFileDeltaSetting		

Key	Type	Descriptions
Enable	Boolean	
Id	String	
WeeklyInFileDeltaSchedule	WeeklyInFileDeltaSchedule	
MonthlyInFileDeltaSchedule	MonthlyInFileDeltaSchedule	
MinDeltaFileSize	Long	
MaxNumOfDelta	Long	
MaxDeltaRatio	Long	
DeltaBlockSize	Long	
DefaultDeltaType	String	
AppliedValueSettings	AppliedValueSettings	
WeeklyInFileDeltaSchedule		
Key	Type	Descriptions
Day	Array of String	The array contains 7 Strings, representing the delta type from Sunday to Saturday. The values of the Strings can be one of the following: F (For full backup) D (For differential delta) I (For incremental delta)
MonthlyInFileDeltaSchedule		
Key	Type	Descriptions
Date	Long	
Criteria	String	The value can be one of the following: Weekday Weekend Sunday Monday Tuesday Wednesday Thursday Friday Saturday
Occurrence	String	The value can be one of the following: First Second Third Fourth Last
Month	Array	The array contains 12 Strings, representing the delta type from January to December The values of the Strings can be one of the following: F (For full backup) D (For differential delta) I (For incremental delta)
CompressionsSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array of CompressionsSetting	
CompressionsSetting		
Key	Type	Descriptions
Id	String	
Type	String	The value can be empty, or one of the following: GzipDefaultCompression GzipBestSpeedCompression
AppliedValueSettings	AppliedValueSettings	

		ettings	
WinUserAuthSettingsList			
Key		Type	Descriptions
Enable		Boolean	
List		Array	
WinUserAuthSetting			
Key		Type	Descriptions
Id		String	
Domain		String	
Password		String	
Username		String	
AppliedValueSettings		AppliedValueS ettings	
FileSettingsList			
Key		Type	Descriptions
Id		String	
WindowsOutlook		Boolean	
WindowsOutlookExpress		Boolean	
WindowsDesktop		Boolean	
WindowsFavourites		Boolean	
WindowsMail		Boolean	
Version		String	
WindowsMyDocuments		Boolean	
WindowsLiveMail		Boolean	
AppliedValueSettings		AppliedValueS ettings	
MswindowsSystemStateSettingsList			
Key		Type	Descriptions
Enable		Boolean	
List		Array	
MswindowsSystemStateSetting			
Key		Type	Descriptions
Id		String	
Version		String	
BackupTarget		String	
AppliedValueSettings		AppliedValueS ettings	
DestinationSettingsList			
Key		Type	Descriptions
Enable		Boolean	
List		Array	
DestinationSetting			
Key		Type	Descriptions
Id		String	
SystemDestinationIDList		Array	
DestinationList		Array	
SystemDestinationList		Array	
AppliedValueSettings		AppliedValueS ettings	
Destination			
Key		Type	Descriptions
Id		String	
BandwidthControlSettingsList			
Key		Type	Descriptions
Enable		Boolean	
List		Array	
BandwidthControlSetting			
Key		Type	Descriptions
Enable		Boolean	

	Id	String	
	BandwidthControlList	Array	
	Mode	String	The value can be one of the following: independent share
	AppliedValueSettings	AppliedValueS ettings	
BandwithControl			
	Key	Type	Descriptions
	Name	String	
	Id	String	
	StartDay	Long	
	StartHour	Long	
	StartMinute	Long	
	EndDay	Long	
	EndHour	Long	
	EndMinute	Long	
	MaxTransferRateInBitsPerSec	Long	
NameSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
NameSetting			
	Key	Type	Descriptions
	Id	String	
	Name	String	
	AppliedValueSettings	AppliedValueS ettings	
MySQLSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
MySQLSetting			
	Key	Type	Descriptions
	Id	String	
	Host	String	
	Port	String	
	Username	String	
	Password	String	
	MysqldumpPath	String	
	Version	String	
	AppliedValueSettings	AppliedValueS ettings	
FilePermissionsSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
FilePermissionsSetting			
	Key	Type	Descriptions
	Enable	Boolean	
	Id	String	
	AppliedValueSettings	AppliedValueS ettings	
RetentionPolicySettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
RetentionPolicySetting			
	Key	Type	Descriptions

	Id	String	
	Period	Long	
	OverlapSensitive	Boolean	
	AdvancedRetentionPolicyList	Array	
	Type	String	The value can be one of the following: SIMPLE ADVANCED
	Unit	String	The value can be one of the following: DAYS JOBS
	AppliedValueSettings	AppliedValueS ettings	
AdvancedRetentionPolicy			
	Key	Type	Descriptions
	Name	String	
	ReadOnly	Boolean	
	Id	Long	
	Type	String	The value can be one of the following: DAILY WEEKLY MONTHLY QUARTERLY YEARLY CUSTOM
	NumbersToKeep	Integer	
	Day	Integer	
	Week	Integer	
	Month	Integer	
	Year	Integer	
	DateType	String	It can be empty for daily or weekly retention policy, or one of the following: WEEK_OF_MONTH WEEK_OF_YEAR EXACT
	Sun, Mon, Tue, Wed, Thu, Fri, Sat	Boolean	For weekly custom retention policy
ShadowProtectSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
ShadowProtectSetting			
	Key	Type	Descriptions
	Id	String	
	EncryptionAlgorithm	Long	
	EncryptionPassword	String	
	Version	String	
	InstallLocation	String	
	AppliedValueSettings	AppliedValueS ettings	
AdvancedSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
AdvancedSetting			
	Key	Type	Descriptions
	Id	String	
	DeselectedSourceList	Array	
	SelectedSourceList	Array	
	Enable	Boolean	
	AppliedValueSettings	AppliedValueS ettings	
CommandSettingsList			

	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
CommandSetting			
	Key	Type	Descriptions
	Id	String	
	PreCommandList	Array of Command	
	PostCommandList	Array of Command	
	AppliedValueSettings	AppliedValueSettings	
Command			
	Key	Type	Descriptions
	Id	String	
	Name	String	
	Type	String	The value can be one of the following: pre (for Pre-command) post (for Post-command)
	Command	String	
	WorkingDir	String	
TemporaryDirectorySettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
OracleSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
OracleSetting			
	Key	Type	Descriptions
	Id	String	
	Host	String	
	Port	String	
	LoginID	String	
	Password	String	
	Sid	String	
	Version	String	
	AppliedValueSettings	AppliedValueSettings	
LotusNotesSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
LotusNotesSetting			
	Key	Type	Descriptions
	Id	String	
	NotesIniPath	String	
	Version	String	
	AppliedValueSettings	AppliedValueSettings	
ReminderSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
ReminderSetting			
	Key	Type	Descriptions
	OfflineNotificationDay	Long	

	BackupIntervalHour	Long	
	OfflineBackupEnabled	Boolean	
	OfflineBackupReminderCompute rName	String	
	BackupIntervalDay	Long	
	ShowOfflineBackupReminder	Boolean	
	LogoutBackupReminderEnabled	Boolean	
	LogoutBackupReminderCompute rName	String	
	Id	String	
	AppliedValueSettings	AppliedValueS ettings	
FilterSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
FilterSetting			
	Key	Type	Descriptions
	Enable	Boolean	
	Id	String	
	FilterList	Array of Filter	
	AppliedValueSettings	AppliedValueS ettings	
Filter			
	Key	Type	Descriptions
	Name	String	
	PatternList	Array	
	ApplyToDir	Boolean	
	ApplyToFile	Boolean	
	TopDir	String	
	Type	String	The value can be one of the following: START_WITH END_WITH CONTAIN CUSTOM
	MatchPatternAgainstFullPathOnl y	Boolean	
	Include	Boolean	
	Only	Boolean	
Pattern			
	Key	Type	Descriptions
	Pattern	String	
MswindowsSystemSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	
	List	Array	
MswindowsSystemSetting			
	Key	Type	Descriptions
	Id	String	
	Version	String	
	BackupTarget	String	
	AppliedValueSettings	AppliedValueS ettings	
LotusDominoSettingsList			
	Key	Type	Descriptions
	Enable	Boolean	

List	Array	
LotusDominoSetting		
Key	Type	Descriptions
Id	String	
Version	String	
NotesIniPath	String	
AppliedValueSettings	AppliedValueSettings	
ScheduleSettingsList		
Key	Type	Descriptions
Enable	Boolean	
List	Array	
ScheduleSetting		
Key	Type	Descriptions
Id	String	
Enable	Boolean	
ComputerName	String	
DailyScheduleList	Array	
WeeklyScheduleList	Array	
MonthlyScheduleList	Array	
CustomScheduleList	Array	
AppliedValueSettings	AppliedValueSettings	
DailySchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
Name	String	
Id	Long	
Hour	Integer	
Minute	Integer	
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24
BackupType	String	The value can be empty, or one of the following: DATABASE DIFFERENTIAL LOG SKIP POWEROFF For Oracle and Lotus Domino backup sets, the value must be DATABASE or LOG For MS SQL Server backup sets, the value must be DATABASE or DIFFERENTIAL For MS Exchange Server before 2007 and Shadow Protect backup sets, the value must be DATABASE, DIFFERENTIAL, or LOG For MS Exchange Server 2007 or above, the value must be DATABASE or LOG For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be SKIP or POWEROFF
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy
LastUpdateTime	Long	
@class	String	com.ahsay.obx.cxp.obs.DailySchedule
WeeklySchedule		

Key	Type	Descriptions
ReadOnly	Boolean	
Name	String	
Id	Long	
Hour	Integer	
Minute	Integer	
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24
BackupType	String	Refer to "BackupType" of DailySchedule
Days	Array	The array contains 7 boolean values that correspond to Sunday to Saturday. If the boolean value is true, backup will be run on that day.
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy
LastUpdateTime	Long	
@class	String	com.ahsay.obx.cxp.obs.WeeklySchedule
MonthlySchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
Name	String	
Id	Long	
Hour	Integer	
Minute	Integer	
BackupType	String	Refer to "BackupType" of DailySchedule
Duration	Integer	
Occurrence	String	The value can be one of the following: First Second Third Fourth Last
Criteria	String	The value can be one of the following: Sunday Monday Tuesday Wednesday Thursday Friday Saturday Weekday Weekend
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy
LastUpdateTime	Long	
@class	String	com.ahsay.obx.cxp.obs.MonthlySchedule
CustomSchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
Name	String	
Id	Long	
Hour	Integer	
Minute	Integer	
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24
Date	String	In yyyy-MM-dd format
BackupType	String	Refer to "BackupType" of DailySchedule
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination

			according to retention policy
LastUpdateTime	Long		
@class	String	com.ahsay.obx.cxp.obs.CustomSchedule	
EncryptionSettingsList			
Key		Type	Descriptions
Enable	Boolean		
List	Array		
EncryptionSetting			
Key		Type	Descriptions
KeyLength	Long		
Key	String		
Type	String		
Algorithm	String		
Mode	String		
Id	String		
AppliedValueSettings	AppliedValueSettings		
ArchivedLogDeletionSettingsList			
Key		Type	Descriptions
Enable	Boolean		
List	Array		
ArchivedLogDeletionSetting			
Key		Type	Descriptions
Id	String		
Enable	Boolean		
Days	Long		
AppliedValueSettings	AppliedValueSettings		
CdpSettingsList			
Key		Type	Descriptions
Enable	Boolean		
List	Array of CdpSetting		
CdpSetting			
Key		Type	Descriptions
Enable	Boolean		
Id	String		
Type	String	For v6, the value can be one of the following: all-volume backup-source custom-source For 7, the value is all-volume	
BackupType	String	The value can be empty, or one of the following: DATABASE DIFFERENTIAL LOG SKIP POEROFF For Oracle and Lotus Domino backup sets, the value must be DATABASE or LOG For MS SQL Server backup sets, the value must be DATABASE or DIFFERENTIAL For MS Exchange Server before 2007 and Shadow Protect backup sets, the value must be DATABASE, DIFFERENTIAL, or LOG For MS Exchange Server 2007 or above, the value must be DATABASE or LOG	

			For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be SKIP or POWEROFF
MinUpdateInterval	Long		
TimeMarkInterval	Long		
MaxFileSize	Long		
ComputerName	String		
ExcludeSystemFiles	Boolean	Do not backup system files.	
FilterList	Array		
CdpBackupControlSettings	Array		
Version	String	The value can be one of the following: 6 7	
SelectedSourceList	Array		
AppliedValueSettings	AppliedValueSettings		
CdpBackupControl			
Key	Type	Descriptions	
ConsiderCpuUsage	Boolean	This setting only applicable for v6 legacy backup users.	
CpuUsage	Integer	This setting only applicable for v6 legacy backup users.	
ConsiderInput	Boolean	This setting only applicable for v6 legacy backup users.	
ObserveInputForSecond	Integer	This setting only applicable for v6 legacy backup users.	
ConsiderNetworkTraffic	Boolean	This setting only applicable for v6 legacy backup users.	
NetworkTraffic	Long	This setting only applicable for v6 legacy backup users.	
UserSettings			
Key	Type	Descriptions	
MaximumBackupSetsSettings	String		
RunDirectLimitSettings	String		
HostLimitSettings	String		
BackupDestinationSettings	String	Note: For v2 ListPolicyGroups.do, the EnableQuota and Quota parameters have been removed from this JSON object. They will be displayed under the UserQuotaSettings JSON object.	
QuotaSettings	String	Note: For v2 ListPolicyGroups.do, the SharedQuotaEnable, SharedQuota and MaxPercentage parameters have been removed from this JSON object. They will be displayed under the SharedQuotaSettings JSON object.	
SharedQuotaSettings	String	Note: Newly introduced for the Quota Management feature since AhsayCBS version 7.15.6.0.	
UserQuotaSettings	String	Note: Newly introduced for the Quota Management feature since AhsayCBS version 7.15.6.0.	
EncryptionKeySettings	String		
EmailReportSettings	String		
PasswordSettings	String		
LogonSettings	String		
MaximumBackupSetsSettings			
Key	Type	Descriptions	
Enable	Boolean		
MaximumBackupSetsPerUser	Long		
RunDirectLimitSettings			
Key	Type	Descriptions	
Enable	Boolean		
MaxVm	Long		
HostLimitSettings			
Key	Type	Descriptions	
Enable	Boolean		
MaxHost	Long		
BackupDestinationSettings			

Key	Type	Descriptions
ApplicationName	String	
CustomDestinationList	Array	
SystemDestIDList	Array	
SystemDestinationList	Array	
CustomDestination		
Key	Type	Descriptions
Name	String	
KeyName	String	<p>The value can be one of the following:</p> <p>com.ahsay.obx.cxp.cpf.policy.userSettings.LocalDestination com.ahsay.obx.cxp.cpf.policy.userSettings.AmazonCloudDriveDestination com.ahsay.obx.cxp.cpf.policy.userSettings.AmazonS3Destination com.ahsay.obx.cxp.cpf.policy.userSettings.AWSCompatibleDestination com.ahsay.obx.cxp.cpf.policy.userSettings.GoogleCloudStorageDestination com.ahsay.obx.cxp.cpf.policy.userSettings.GoogleDriveDestination com.ahsay.obx.cxp.cpf.policy.userSettings.PooledDestination com.ahsay.obx.cxp.cpf.policy.userSettings.WindowsAzureDestination com.ahsay.obx.cxp.cpf.policy.userSettings.OneDriveDestination com.ahsay.obx.cxp.cpf.policy.userSettings.OneDrive4BizDestination com.ahsay.obx.cxp.cpf.policy.userSettings.RackspaceDestination com.ahsay.obx.cxp.cpf.policy.userSettings.OpenStackDestination com.ahsay.obx.cxp.cpf.policy.userSettings.DropboxDestination com.ahsay.obx.cxp.cpf.policy.userSettings.FtpDestination com.ahsay.obx.cxp.cpf.policy.userSettings.SftpDestination com.ahsay.obx.cxp.cpf.policy.userSettings.ObsDestination com.ahsay.obx.cxp.cpf.policy.userSetting.AliyunDestination</p>
SystemDestination		
Key	Type	Descriptions
DestinationID	Long	
DestinationName	String	
DestinationType	String	
QuotaSettings		
Key	Type	Descriptions
Enable	Boolean	
Compress	Boolean	
SharedQuotaSettings		
Key	Type	Descriptions
Enabled	Boolean	
QuotaList	JSON object	
QuotaList (SharedQuotaSettings)		
Key	Type	Descriptions
Enabled	Boolean	
MaxPercentage	Long	
Quota	Long	Unit in byte.
DestinationName	String	Name of the backup destination.
DestinationKey	String	ID of the backup destination.
UserQuotaSettings		
Key	Type	Descriptions
Enable	Boolean	
QuotaList	JSON object	
QuotaList (UserQuotaSettings)		
Key	Type	Descriptions
Enabled	Boolean	
Quota	Long	Unit in byte.
DestinationName	String	Name of the backup destination.
DestinationKey	String	ID of the backup destination.
EncryptionKeySettings		
Key	Type	Descriptions
Enabled	Boolean	
Upload	Boolean	

EmailReportSettings		
Key	Type	Descriptions
Enable	Boolean	
ConsolidatedReportSendMin	Long	
ConsolidatedReportSendHour	Long	
SendIndividualReport	Boolean	
SendConsolidatedReport	Boolean	
ContactList	Array	
Contact		
Key	Type	Descriptions
Id	String	
Name	String	
Email	String	
EncryptEmail	Boolean	
EmailCertificate	String	
Address	String	
Website	Boolean	
Company	String	
Phone1	String	
Phone2	String	
PasswordSettings		
Key	Type	Descriptions
Enable	Boolean	
Type	String	The value can be one of the following: DEFAULT CUSTOM
Number	Boolean	
Lowercase	Boolean	
MinimumLength	Long	
EnforcePasswordHistory	Boolean	
SpecialCharacters	Boolean	
Uppercase	Boolean	
PasswordAge	Long	
MinimumLengthEnabled	Boolean	
Regex	String	
LogonSettings		
Key	Type	Descriptions
Enable	Boolean	
InvalidLoginAttemptPeriod	Long	
BlockMinute	Long	
BlockHour	Long	
NumOfInvalidLogin	Long	
BlockType	String	The value can be one of the following: MINUTE HOUR FOREVER
GuiSettings		
Key	Type	Descriptions
PrivilegeList	Array	
Privilege		
Key	Type	Descriptions
Id	String	
EnableRead	Boolean	
EnableWrite	Boolean	If write privilege is not available for the privilege, this key is removed from the result
PrivilegeGroup	String	
PolicyName	String	
DisplayName	String	The name of privilege defined in properties
PreemptedBackupSetSettings		
Key	Type	Descriptions
PreemptedBackupSetList	Array	Refer to BackupSet JSON Object in ListBackupSets API
BackupSetSettings		

Key	Type	Descriptions
ExcludeFileSettings	ExcludeFileSettings	
ExcludeFileSettings		
Key	Type	Descriptions
Enable	Boolean	
LastModifiedPeriodType	String	The value can be one of the following: YEAR
LastModifiedType	String	The value can be one of the following: PERIOD
LastModifiedDate	Long	
ExcludeFileSize	Boolean	
ExcludeMappedDrive	Boolean	
ExcludeLastModified	Boolean	
FileSize	Long	
LastModifiedPeriod	Long	
DefaultValues		
Key	Type	Descriptions
VmwareSettingsList	VmwareSettingsList	
VolumeShadowCopySettingsList	VolumeShadowCopySettingsList	
AllowedIPSettingsList	AllowedIPSettingsList	
FollowLinkSettingsList	FollowLinkSettingsList	
InFileDeltaSettingsList	InFileDeltaSettingsList	
CompressionsSettingsList	CompressionsSettingsList	
WinUserAuthSettingsList	WinUserAuthSettingsList	
FileSettingsList	FileSettingsList	
MswindowsSystemStateSettingsList	MswindowsSystemStateSettingsList	
DestinationSettingsList	DestinationSettingsList	
BandwidthControlSettingsList	BandwidthControlSettingsList	
NameSettingsList	NameSettingsList	
MySQLSettingsList	MySQLSettingsList	
FilePermissionsSettingsList	FilePermissionsSettingsList	
RetentionPolicySettingsList	RetentionPolicySettingsList	
ShadowProtectSettingsList	ShadowProtectSettingsList	
AdvancedSettingsList	AdvancedSettingsList	
CommandSettingsList	CommandSettingsList	
TemporaryDirectorySettingsList	TemporaryDirectorySettingsList	
OracleSettingsList	OracleSettingsList	
LotusNotesSettingsList	LotusNotesSettingsList	
ReminderSettingsList	ReminderSettingsList	
FilterSettingsList	FilterSettingsList	

		st	
	MswindowsSystemSettingsList	MswindowsSystemSettingsList	
	LotusDominoSettingsList	LotusDominoSettingsList	
	ScheduleSettingsList	ScheduleSettingsList	
	EncryptionSettingsList	EncryptionSettingsList	
	ArchivedLogDeletionSettingsList	ArchivedLogDeletionSettingsList	
	CdpSettingsList	CdpSettingsList	
	OpendirectSettingsList	OpendirectSettingsList	Supported from AhsayCBS version 7.13.0.0 or above
	GranularRestoreSettingsList	GranularRestoreSettingsList	Supported from AhsayCBS version 7.13.0.0 or above

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

Example:

Input

```
{
  "SysUser": "api",
  "SysPwd": "pwd",
  "LoginName": "user",
  "PolicyGroupNameOnly": true
}
```

Output

```
{
  "Status": "OK",
  "Data": [
    {
      "PolicyGroupName": "Default settings",
      "PolicyGroupID": "2"
    }
  ]
}
```

3.3.7 ListUserGroups

This API list information of a user group.

The related settings can be found on the AhsayCBS web console:

- ➊ [Backup/Restore]>[User, Groups & Policies]> [User group]

URL:						
ListUserGroups.do">http://BACKUP_SERVER/obs/api/json>ListUserGroups.do						
Available since version:						
7.3						
Parameters:						
<table border="1"> <thead> <tr> <th>Key</th> <th>Type</th> <th>Descriptions</th> </tr> </thead> <tbody> <tr> <td>SysUser</td> <td>String</td> <td>AhsayCBS's system users with admin role</td></tr> </tbody> </table>	Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role
Key	Type	Descriptions				
SysUser	String	AhsayCBS's system users with admin role				

	SysPwd	String	AhsayCBS's system users password with admin role
	UserGroupID	String	Returns information of the user group with this ID. If UserGroupID and UserID are not provided, information of all user groups will be returned.
	UserID	String	Returns information of the user groups that the contain the user. If UserGroupID and UserID are not provided, information of all user groups will be returned..
	UserGroupOnly	Boolean	Default value is false

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	UserGroupBasicInfo or UserGroupFullInfo	If UserGroupOnly is true, UserGroupBasicInfo is returned. Otherwise UserGroupFullInfo is returned.
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

JSON Objects:

UserGroupBasicInfo		
Key	Type	Descriptions
ID	String	
Name	String	
Type	String	BACKUP_USER
Owner	String	

UserGroupFullInfo		
Key	Type	Descriptions
ID	String	
Name	String	
Type	String	BACKUP_USER
Owner	String	
Users	Array of User	
PolicyGroup	Array of Policy	

User		
Key	Type	Descriptions
LoginName	String	Client user name
Owner	String	
UserId	String	

Policy		
Key	Type	Descriptions
ID	String	
Name	String	

Example:

Input
{ "SysUser":"api", "SysPwd":"pwd", "UserGroupID": "1496990008001" }

Output
{ "Status": "OK", "Data": [{ "Name": "ghellik", "Owner": "", "Type": "BACKUP_USER", "ID": "1496990008001" }] }

```
]  
}
```

3.3.8 ModifyUserGroup

This API let you modify the name of a user group, add users or delete user to/from a user group.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore] > [User, Groups & Policies] > [User group]

URL:		
http://BACKUP SERVER/obs/api/json/ModifyUserGroup.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
ID	String	User Group ID obtainable in from ListUserGroups API
UserGroupName	String	Group name
UserIdList	String	User names to be added to or removed from the user group. Multiple login names, separated by commas, are accepted. For example: user1,user2,user3
Mode	String	The value can be any one of the following: A (Default value) D If the value is "A", users in UserIdList will be added to the user group. If the value is "D", users in UserIdList will be removed from the user group
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser": "api_user", "SysPwd": "abc123\$%", "ID": "1447039919940", "UserIdList": "user", "Mode": "D" }		
Output		
{"Status": "OK"}		
Output 2 user not exist		
{ "Status": "Error", "Message": "[UserCacheManager.NoSuchUserExpt] User 'user' not found.", "ExptType": "com.ahsay.obs.core.dbs.Y" }		
Input incorrect parameter mode		
{ "SysUser": "api_user", "SysPwd": "abc123\$%", "Mode": "Z" }		

	<pre> "ID":"1447039919940", "UserIdList":"user", "Mode":"S" } </pre>
	Output
	<pre>{ "Status": "Error", "Message": "[Error] Parameter Mode must either be A or D!", "ExptType": "com.ahsay.obs.core.dbs.c" }</pre>

3.3.9 UpdatePolicyGroup

This API can be used to update settings of a policy group.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore] > [User, Groups & Policies] > [Policy Group]

v1 UpdatePolicyGroup.do

URL:	http://BACKUP_SERVER/obs/api/json/UpdatePolicyGroup.do													
Available since version:	7.3													
Parameters:														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td colspan="3">For other parameters, refer to PolicyGroup JSON objects in the ListPolicyGroups API section.</td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	For other parameters, refer to PolicyGroup JSON objects in the ListPolicyGroups API section.		
Key	Type	Descriptions												
SysUser	String	AhsayCBS's system users with admin role												
SysPwd	String	AhsayCBS's system users password with admin role												
For other parameters, refer to PolicyGroup JSON objects in the ListPolicyGroups API section.														
Return Values:														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"
Key	Type	Descriptions												
Status	String	"OK" or "Error"												
Message	String	Error message, it exists only if status is "Error"												
ExptType	String	The type of exception, it exists only if status is "Error"												
Example:														
Input														
	<pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "Name": "api-test-policy", "Owner": "", "PreemptedValues": { "VmwareSettingsList": { "Enable": false, "List": [] }, "VolumeShadowCopySettingsList": { "Enable": false, "List": [] }, "AllowedIPSettingsList": { "Enable": false, "List": [] }, "FollowLinkSettingsList": { "Enable": false, "List": [] } } }</pre>													

```

    "InFileDeltaSettingsList": {
        "Enable": false,
        "List": []
    },
    "CompressionsSettingsList": {
        "Enable": false,
        "List": []
    },
    "WinUserAuthSettingsList": {
        "Enable": false,
        "List": []
    },
    "FileSettingsList": {
        "Enable": false,
        "List": []
    },
    "MswindowsSystemStateSettingsList": {
        "Enable": false,
        "List": []
    },
    "DestinationSettingsList": {
        "Enable": false,
        "List": []
    },
    "BandwidthControlSettingsList": {
        "Enable": false,
        "List": []
    },
    "NameSettingsList": {
        "Enable": false,
        "List": []
    },
    "RetentionPolicySettingsList": {
        "Enable": false,
        "List": []
    },
    "FilePermissionsSettingsList": {
        "Enable": false,
        "List": []
    },
    "MySQLSettingsList": {
        "Enable": false,
        "List": []
    },
    "ShadowProtectSettingsList": {
        "Enable": false,
        "List": []
    },
    "AdvancedSettingsList": {
        "Enable": false,
        "List": []
    },
    "CommandSettingsList": {
        "Enable": false,
        "List": []
    },
    "TemporaryDirectorySettingsList": {
        "Enable": false,
        "List": []
    },
    "OracleSettingsList": {
        "Enable": false,
        "List": []
    },
    "ReminderSettingsList": {
        "Enable": false,
        "List": []
    },
    "LotusNotesSettingsList": {
        "Enable": false,
        "List": []
    }
}

```

```

},
"FilterSettingsList": {
  "Enable": false,
  "List": []
},
"MswindowsSystemSettingsList": {
  "Enable": false,
  "List": []
},
"LotusDominoSettingsList": {
  "Enable": false,
  "List": []
},
"ScheduleSettingsList": {
  "Enable": false,
  "List": []
},
"ArchivedLogDeletionSettingsList": {
  "Enable": false,
  "List": []
},
"EncryptionSettingsList": {
  "Enable": false,
  "List": []
},
"CdpSettingsList": {
  "Enable": false,
  "List": []
},
},
"UserSettings": {
  "MaximumBackupSetsSettings": {
    "MaximumBackupSetsPerUser": 10,
    "Enable": false
  },
  "BackupDestinationSettings": {
    "ApplicationName": "",
    "CustomDestinationList": [],
    "SystemDestIDList": [],
    "Enable": false,
    "SystemDestinationList": []
  },
  "QuotaSettings": {
    "SharedQuota": 10737418240,
    "MaxPercentage": 50,
    "Enable": true,
    "Compress": true,
    "SharedQuotaEnable": false
  },
  "EncryptionKeySettings": {
    "Enable": false,
    "Upload": false
  },
  "EmailReportSettings": {
    "ContactList": [],
    "SendInactiveBSetReport": false,
    "Enable": false,
    "ConsolidatedReportSendMin": 0,
    "SendIndividualReport": false,
    "SendConsolidatedReport": false,
    "InactiveBSetReportSendDay": 30,
    "ConsolidatedReportSendHour": 0
  },
  "PasswordSettings": {
    "EnforcePasswordHistory": true,
    "MinimumLength": 6,
    "SpecialCharacters": true,
    "Uppercase": true,
    "Enable": false,
    "Lowercase": true,
    "Number": true,
  }
}

```

```

        "Type": "DEFAULT",
        "PasswordAge": 90,
        "MinimumLengthEnabled": true,
        "Regex": ""

    },
    "LogonSettings": {
        "InvalidLoginAttemptPeriod": 30,
        "Enable": false,
        "NumOfInvalidLogin": 3,
        "BlockMinute": 60,
        "BlockType": "MINUTE",
        "BlockHour": 24
    }
},
"Type": "BACKUP_USER",
"PreemptedBackupSetSettings": {
    "PreemptedBackupSetList": []
},
"GuiSettings": {
    "PrivilegeList": [
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Backup",
            "EnableRead": true,
            "Id": "M-10001",
            "DisplayName": "Backup"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Restore",
            "EnableRead": true,
            "Id": "M-10002",
            "DisplayName": "Restore"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "BackupSets",
            "EnableRead": true,
            "Id": "M-10003",
            "DisplayName": "Backup Sets"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Settings",
            "EnableRead": true,
            "Id": "M-10004",
            "DisplayName": "Settings"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Report",
            "EnableRead": true,
            "Id": "M-10005",
            "DisplayName": "Report"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Utilities",
            "EnableRead": true,
            "Id": "M-10006",
            "DisplayName": "Utilities"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Profile",
            "EnableRead": true,
            "Id": "M-10007",
            "DisplayName": "Profile"
        },
        {
            "PrivilegeGroup": "MainMenu",

```

```

    "PolicyName": "Language",
    "EnableRead": true,
    "Id": "M-10008",
    "DisplayName": "Language",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "MainMenu",
    "PolicyName": "Information",
    "EnableRead": true,
    "Id": "M-10009",
    "DisplayName": "Information"
},
{
    "PrivilegeGroup": "MainMenu",
    "PolicyName": "Advertisement",
    "EnableRead": true,
    "Id": "M-10010",
    "DisplayName": "Advertisement"
},
{
    "PrivilegeGroup": "MainMenu",
    "PolicyName": "SocialMedia",
    "EnableRead": true,
    "Id": "M-10011",
    "DisplayName": "Links to Social Media"
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "ProfileGeneralTab",
    "EnableRead": true,
    "Id": "P-10001",
    "DisplayName": "General Tab"
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "ProfileGeneralSettings",
    "EnableRead": true,
    "Id": "P-10002",
    "DisplayName": "General Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "ContactsTab",
    "EnableRead": true,
    "Id": "P-10003",
    "DisplayName": "Contacts Tab"
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "ContactsSettings",
    "EnableRead": true,
    "Id": "P-10004",
    "DisplayName": "Contacts Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "TimezoneTab",
    "EnableRead": true,
    "Id": "P-10005",
    "DisplayName": "Timezone Tab"
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "TimezoneSettings",
    "EnableRead": true,
    "Id": "P-10006",
    "DisplayName": "Timezone Settings",
    "EnableWrite": true
}

```

```

},
{
  "PrivilegeGroup": "Profile",
  "PolicyName": "PasswordTab",
  "EnableRead": true,
  "Id": "P-10007",
  "DisplayName": "Password Tab"
},
{
  "PrivilegeGroup": "Profile",
  "PolicyName": "PasswordSettings",
  "EnableRead": true,
  "Id": "P-10008",
  "DisplayName": "Password Settings",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "Profile",
  "PolicyName": "EncryptionRecoveryTab",
  "EnableRead": true,
  "Id": "P-10009",
  "DisplayName": "Encryption Recovery Tab"
},
{
  "PrivilegeGroup": "Profile",
  "PolicyName": "EncryptionRecoverySettings",
  "EnableRead": true,
  "Id": "P-100010",
  "DisplayName": "Encryption Recovery Settings",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "GeneralSettingsName",
  "EnableRead": true,
  "Id": "BS-10003",
  "DisplayName": "General Settings - Name",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "GeneralSettingsIBMDomino",
  "EnableRead": true,
  "Id": "BS-10004",
  "DisplayName": "General Settings - IBM Domino",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "GeneralSettingsIBMNotes",
  "EnableRead": true,
  "Id": "BS-10005",
  "DisplayName": "General Settings - IBM Notes",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "GeneralSettingsMSExchangeServer",
  "EnableRead": true,
  "Id": "BS-10006",
  "DisplayName": "General Settings - MS Exchange Server",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "GeneralSettingsMSHyperV",
  "EnableRead": true,
  "Id": "BS-10007",
  "DisplayName": "General Settings - MS HyperV",
  "EnableWrite": true
}

```

```
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsMSSQLServer",
    "EnableRead": true,
    "Id": "BS-10008",
    "DisplayName": "General Settings - MSSQL Server",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsWindowsSystemBackup",
    "EnableRead": true,
    "Id": "BS-10009",
    "DisplayName": "General Settings - Windows System Backup",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsWindowsSystemStateBackup",
    "EnableRead": true,
    "Id": "BS-10010",
    "DisplayName": "General Settings - Windows System State Backup",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsMySQLServer",
    "EnableRead": true,
    "Id": "BS-10011",
    "DisplayName": "General Settings - MySQL Server",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsOracleDatabaseServer",
    "EnableRead": true,
    "Id": "BS-10012",
    "DisplayName": "General Settings - Oracle Database Server",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsVMwareHost",
    "EnableRead": true,
    "Id": "BS-10013",
    "DisplayName": "General Settings - VMware Host",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsShadowProtect",
    "EnableRead": true,
    "Id": "BS-10014",
    "DisplayName": "General Settings - Shadow Protect",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsWindowsUserAuthentication",
    "EnableRead": true,
    "Id": "BS-10015",
    "DisplayName": "General Settings - Windows User Authentication",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "SourceTab",
    "EnableRead": true,
    "Id": "BS-10016",
    "DisplayName": "Source Tab"
}
```

```
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "SourceSettingsBackupSource",
    "EnableRead": true,
    "Id": "BS-10017",
    "DisplayName": "Source Settings - BackupSource",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "SourceSettingsFilter",
    "EnableRead": true,
    "Id": "BS-10018",
    "DisplayName": "Source Settings - Filter",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "BackupScheduleTab",
    "EnableRead": true,
    "Id": "BS-10020",
    "DisplayName": "Backup Schedule Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "BackupScheduleSettings",
    "EnableRead": true,
    "Id": "BS-10021",
    "DisplayName": "Backup Schedule Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "ContinuousBackupTab",
    "EnableRead": true,
    "Id": "BS-10022",
    "DisplayName": "Continuous Backup Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "ContinuousBackupSettings",
    "EnableRead": true,
    "Id": "BS-10023",
    "DisplayName": "Continuous Backup Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "DestinationTab",
    "EnableRead": true,
    "Id": "BS-10024",
    "DisplayName": "Destination Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "DestinationSettings",
    "EnableRead": true,
    "Id": "BS-10025",
    "DisplayName": "Destination Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "InFileDeltaTab",
    "EnableRead": true,
    "Id": "BS-10026",
    "DisplayName": "In-File Delta Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "InFileDeltaSettings",
    "EnableRead": true,
    "Id": "BS-10027",
    "DisplayName": "In-File Delta Settings"
}
```

```

        "EnableRead": true,
        "Id": "BS-10027",
        "DisplayName": "In-File Delta Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "RetentionPolicyTab",
        "EnableRead": true,
        "Id": "BS-10028",
        "DisplayName": "Retention Policy Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "RetentionPolicySettings",
        "EnableRead": true,
        "Id": "BS-10029",
        "DisplayName": "Retention Policy Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "CommandLineToolTab",
        "EnableRead": true,
        "Id": "BS-10030",
        "DisplayName": "Command Line Tool Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "CommandLineToolSettings",
        "EnableRead": true,
        "Id": "BS-10031",
        "DisplayName": "Command Line Tool Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "ReminderTab",
        "EnableRead": true,
        "Id": "BS-10032",
        "DisplayName": "Reminder Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "ReminderSettings",
        "EnableRead": true,
        "Id": "BS-10033",
        "DisplayName": "Reminder Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "BandwidthControlTab",
        "EnableRead": true,
        "Id": "BS-10034",
        "DisplayName": "Bandwidth Control Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "BandwidthControlSettings",
        "EnableRead": true,
        "Id": "BS-10035",
        "DisplayName": "Bandwidth Control Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "OthersTab",
        "EnableRead": true,
        "Id": "BS-10038",
        "DisplayName": "Others Tab"
    }

```

```

},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsTemporaryDirectory",
  "EnableRead": true,
  "Id": "BS-10039",
  "DisplayName": "Others Settings - Temporary Directory",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsFollowLink",
  "EnableRead": true,
  "Id": "BS-10040",
  "DisplayName": "Others Settings - Follow Link",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsVolumeShadowCopy",
  "EnableRead": true,
  "Id": "BS-10041",
  "DisplayName": "Others Settings - Volume Shadow Copy",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsFilePermissions",
  "EnableRead": true,
  "Id": "BS-10042",
  "DisplayName": "Others Settings - File Permissions",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsArchivedLogDeletion",
  "EnableRead": true,
  "Id": "BS-10043",
  "DisplayName": "Others Settings - Archived Log Deletion",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsCompressions",
  "EnableRead": true,
  "Id": "BS-10044",
  "DisplayName": "Others Settings - Compressions",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsEncryption",
  "EnableRead": true,
  "Id": "BS-10045",
  "DisplayName": "Others Settings - Encryption"
},
{
  "PrivilegeGroup": "BackupSets",
  "PolicyName": "OthersSettingsChangedBlockTracking",
  "EnableRead": true,
  "Id": "BS-10046",
  "DisplayName": "Others Settings - Changed Block Tracking",
  "EnableWrite": true
},
{
  "PrivilegeGroup": "Settings",
  "PolicyName": "ProxyTab",
  "EnableRead": true,
  "Id": "S-10001",
  "DisplayName": "Proxy Tab"
}

```

```
{
    "PrivilegeGroup": "Settings",
    "PolicyName": "ProxySettings",
    "EnableRead": true,
    "Id": "S-10002",
    "DisplayName": "Proxy Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "Settings",
    "PolicyName": "WindowsEventLogTab",
    "EnableRead": true,
    "Id": "S-10005",
    "DisplayName": "Windows Event Log Tab"
},
{
    "PrivilegeGroup": "Settings",
    "PolicyName": "WindowsEventLogSettings",
    "EnableRead": true,
    "Id": "S-10006",
    "DisplayName": "Windows Event Log Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "Utilities",
    "PolicyName": "DataIntegrityCheck",
    "EnableRead": true,
    "Id": "U-10001",
    "DisplayName": "Data Integrity Check"
},
{
    "PrivilegeGroup": "Utilities",
    "PolicyName": "SpaceFreeingUp",
    "EnableRead": true,
    "Id": "U-10002",
    "DisplayName": "Space Freeing Up"
},
{
    "PrivilegeGroup": "Utilities",
    "PolicyName": "DeleteBackupData",
    "EnableRead": true,
    "Id": "U-10003",
    "DisplayName": "Delete Backup Data"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "AddAndRemove",
    "EnableRead": true,
    "Id": "BS-10001",
    "DisplayName": "Add and Remove Backup Set"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralTab",
    "EnableRead": true,
    "Id": "BS-10002",
    "DisplayName": "General Tab"
}
],
},
"ID": "1446023471399",
"BackupSetSettings": {
    "ExcludeFileSettings": {
        "LastModifiedPeriod": 10,
        "FileSize": 10737418240,
        "ExcludeMappedDrive": true,
        "ExcludeLastModified": true,
        "LastModifiedPeriodType": "YEAR",
        "LastModifiedType": "PERIOD",
        "Enable": false,
        "LastModifiedDate": -1,
    }
}
```

```

        "ExcludeFileSize": true
    }
},
"DefaultValues": {
    "VmwareSettingsList": {
        "Enable": false,
        "List": []
    },
    "VolumeShadowCopySettingsList": {
        "Enable": false,
        "List": []
    },
    "AllowedIPSettingsList": {
        "Enable": false,
        "List": []
    },
    "FollowLinkSettingsList": {
        "Enable": false,
        "List": []
    },
    "InFileDeltaSettingsList": {
        "Enable": false,
        "List": []
    },
    "CompressionsSettingsList": {
        "Enable": false,
        "List": []
    },
    "WinUserAuthSettingsList": {
        "Enable": false,
        "List": []
    },
    "FileSettingsList": {
        "Enable": false,
        "List": []
    },
    "MswindowsSystemStateSettingsList": {
        "Enable": false,
        "List": []
    },
    "DestinationSettingsList": {
        "Enable": false,
        "List": []
    },
    "BandwidthControlSettingsList": {
        "Enable": false,
        "List": []
    },
    "NameSettingsList": {
        "Enable": false,
        "List": []
    },
    "RetentionPolicySettingsList": {
        "Enable": false,
        "List": []
    },
    "FilePermissionsSettingsList": {
        "Enable": false,
        "List": []
    },
    "MySQLSettingsList": {
        "Enable": false,
        "List": []
    },
    "ShadowProtectSettingsList": {
        "Enable": false,
        "List": []
    },
    "AdvancedSettingsList": {
        "Enable": false,
        "List": []
    }
}

```

	<pre>{ "CommandSettingsList": { "Enable": false, "List": [] }, "TemporaryDirectorySettingsList": { "Enable": false, "List": [] }, "OracleSettingsList": { "Enable": false, "List": [] }, "ReminderSettingsList": { "Enable": false, "List": [] }, "LotusNotesSettingsList": { "Enable": false, "List": [] }, "FilterSettingsList": { "Enable": false, "List": [] }, "MswindowsSystemSettingsList": { "Enable": false, "List": [] }, "LotusDominoSettingsList": { "Enable": false, "List": [] }, "ScheduleSettingsList": { "Enable": false, "List": [] }, "ArchivedLogDeletionSettingsList": { "Enable": false, "List": [] }, "EncryptionSettingsList": { "Enable": false, "List": [] }, "CdpSettingsList": { "Enable": false, "List": [] } }</pre>
	<p>Output</p> <pre>{"Status":"OK"}</pre>

v2 UpdatePolicyGroup.do

To facilitate the Quota Management feature since AhsayCBS version 7.15.6.0, a new version of the `UpdatePolicyGroup.do` API (`v2 UpdatePolicyGroup.do`) was introduced.

A new **SharedQuotaSettings** and **UserQuotaSettings** JSON object (which contain a **QuotaList** JSON object for the list of quota for multiple backup destinations) was introduced.

While AhsayCBS version 7.15.6.0 or above is backward compatible with API calls in previous format (pre-7.15.6.0 API format), it is highly recommended to use the new version of the API instead (e.g. v2 UpdatePolicyGroup.do).

URL:	http://BACKUP_SERVER/obs/api/json/2/UpdatePolicyGroup.do													
Available since version:	7.15.6.0													
Parameters:														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td colspan="3">For other parameters, refer to PolicyGroup JSON objects in the ListPolicyGroups API section.</td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	For other parameters, refer to PolicyGroup JSON objects in the ListPolicyGroups API section.		
Key	Type	Descriptions												
SysUser	String	AhsayCBS's system users with admin role												
SysPwd	String	AhsayCBS's system users password with admin role												
For other parameters, refer to PolicyGroup JSON objects in the ListPolicyGroups API section.														
Return Values:														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"
Key	Type	Descriptions												
Status	String	"OK" or "Error"												
Message	String	Error message, it exists only if status is "Error"												
ExptType	String	The type of exception, it exists only if status is "Error"												
Example:														
Input														
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "Name": "api-test-policy", "Owner": "", "PreemptedValues": { "VmwareSettingsList": { "Enable": false, "List": [] }, "VolumeShadowCopySettingsList": { "Enable": false, "List": [] }, "AllowedIPSettingsList": { "Enable": false, "List": [] }, "FollowLinkSettingsList": { "Enable": false, "List": [] }, "InFileDeltaSettingsList": { "Enable": false, "List": [] }, "CompressionsSettingsList": { "Enable": false, "List": [] }, "WinUserAuthSettingsList": { "Enable": false, "List": [] }, "FileSettingsList": { "Enable": false, "List": [] }, "MswindowsSystemStateSettingsList": { "Enable": false, "List": [] }, "DestinationSettingsList": { "Enable": false, "List": [] } }</pre>														

```

},
"BandwidthControlSettingsList": {
    "Enable": false,
    "List": []
},
"NameSettingsList": {
    "Enable": false,
    "List": []
},
"RetentionPolicySettingsList": {
    "Enable": false,
    "List": []
},
"FilePermissionsSettingsList": {
    "Enable": false,
    "List": []
},
"MySQLSettingsList": {
    "Enable": false,
    "List": []
},
"ShadowProtectSettingsList": {
    "Enable": false,
    "List": []
},
"AdvancedSettingsList": {
    "Enable": false,
    "List": []
},
"CommandSettingsList": {
    "Enable": false,
    "List": []
},
"TemporaryDirectorySettingsList": {
    "Enable": false,
    "List": []
},
"OracleSettingsList": {
    "Enable": false,
    "List": []
},
"ReminderSettingsList": {
    "Enable": false,
    "List": []
},
"LotusNotesSettingsList": {
    "Enable": false,
    "List": []
},
"FilterSettingsList": {
    "Enable": false,
    "List": []
},
"MswindowsSystemSettingsList": {
    "Enable": false,
    "List": []
},
"LotusDominoSettingsList": {
    "Enable": false,
    "List": []
},
"ScheduleSettingsList": {
    "Enable": false,
    "List": []
},
"ArchivedLogDeletionSettingsList": {
    "Enable": false,
    "List": []
},
"EncryptionSettingsList": {
    "Enable": false,

```

```

        "List": [],
    },
    "CdpSettingsList": {
        "Enable": false,
        "List": []
    },
},
"UserSettings": {
    "MaximumBackupSetsSettings": {
        "MaximumBackupSetsPerUser": 10,
        "Enable": false
    },
    "BackupDestinationSettings": {
        "ApplicationName": "",
        "CustomDestinationList": [],
        "SystemDestIDList": [],
        "Enable": false,
        "SystemDestinationList": []
    },
    "QuotaSettings": {
        "Enable": true,
        "Compress": true
    },
    "SharedQuotaSettings": {
        "QuotaList": [
            {
                "Enable": true,
                "Quota": 22222236,
                "MaxPercentage": 90,
                "DestinationKey": "OBS",
            }
        ],
        "Enable": true
    },
    "UserQuotaSettings": {
        "DefaultMode": true,
        "Enabled": true,
        "QuotaList": [
            {
                "Enable": true,
                "Quota": 52428800,
                "DestinationKey": "OBS"
            }
        ],
        "EncryptionKeySettings": {
            "Enable": false,
            "Upload": false
        },
        "EmailReportSettings": {
            "ContactList": [],
            "SendInactiveBSetReport": false,
            "Enable": false,
            "ConsolidatedReportSendMin": 0,
            "SendIndividualReport": false,
            "SendConsolidatedReport": false,
            "InactiveBSetReportSendDay": 30,
            "ConsolidatedReportSendHour": 0
        },
        "PasswordSettings": {
            "EnforcePasswordHistory": true,
            "MinimumLength": 6,
            "SpecialCharacters": true,
            "Uppercase": true,
            "Enable": false,
            "Lowercase": true,
            "Number": true,
            "Type": "DEFAULT",
            "PasswordAge": 90,
            "MinimumLengthEnabled": true,
            "Regex": ""
        },
        "LogonSettings": {
            "InvalidLoginAttemptPeriod": 30,
            "Enable": false,
            "NumOfInvalidLogin": 3,
        }
    }
}

```

```

        "BlockMinute": 60,
        "BlockType": "MINUTE",
        "BlockHour": 24
    },
},
"Type": "BACKUP_USER",
"PreemptedBackupSetSettings": {
    "PreemptedBackupSetList": []
},
"GuiSettings": {
    "PrivilegeList": [
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Backup",
            "EnableRead": true,
            "Id": "M-10001",
            "DisplayName": "Backup"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Restore",
            "EnableRead": true,
            "Id": "M-10002",
            "DisplayName": "Restore"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "BackupSets",
            "EnableRead": true,
            "Id": "M-10003",
            "DisplayName": "Backup Sets"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Settings",
            "EnableRead": true,
            "Id": "M-10004",
            "DisplayName": "Settings"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Report",
            "EnableRead": true,
            "Id": "M-10005",
            "DisplayName": "Report"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Utilities",
            "EnableRead": true,
            "Id": "M-10006",
            "DisplayName": "Utilities"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Profile",
            "EnableRead": true,
            "Id": "M-10007",
            "DisplayName": "Profile"
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Language",
            "EnableRead": true,
            "Id": "M-10008",
            "DisplayName": "Language",
            "EnableWrite": true
        },
        {
            "PrivilegeGroup": "MainMenu",
            "PolicyName": "Information",
            "EnableRead": true,
            "Id": "M-10009",
            "DisplayName": "Information"
        }
    ]
}

```

```

        "EnableRead": true,
        "Id": "M-10009",
        "DisplayName": "Information"
    },
    {
        "PrivilegeGroup": "MainMenu",
        "PolicyName": "Advertisement",
        "EnableRead": true,
        "Id": "M-10010",
        "DisplayName": "Advertisement"
    },
    {
        "PrivilegeGroup": "MainMenu",
        "PolicyName": "SocialMedia",
        "EnableRead": true,
        "Id": "M-10011",
        "DisplayName": "Links to Social Media"
    },
    {
        "PrivilegeGroup": "Profile",
        "PolicyName": "ProfileGeneralTab",
        "EnableRead": true,
        "Id": "P-10001",
        "DisplayName": "General Tab"
    },
    {
        "PrivilegeGroup": "Profile",
        "PolicyName": "ProfileGeneralSettings",
        "EnableRead": true,
        "Id": "P-10002",
        "DisplayName": "General Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "Profile",
        "PolicyName": "ContactsTab",
        "EnableRead": true,
        "Id": "P-10003",
        "DisplayName": "Contacts Tab"
    },
    {
        "PrivilegeGroup": "Profile",
        "PolicyName": "ContactsSettings",
        "EnableRead": true,
        "Id": "P-10004",
        "DisplayName": "Contacts Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "Profile",
        "PolicyName": "TimezoneTab",
        "EnableRead": true,
        "Id": "P-10005",
        "DisplayName": "Timezone Tab"
    },
    {
        "PrivilegeGroup": "Profile",
        "PolicyName": "TimezoneSettings",
        "EnableRead": true,
        "Id": "P-10006",
        "DisplayName": "Timezone Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "Profile",
        "PolicyName": "PasswordTab",
        "EnableRead": true,
        "Id": "P-10007",
        "DisplayName": "Password Tab"
    },
}

```

```

    "PrivilegeGroup": "Profile",
    "PolicyName": "PasswordSettings",
    "EnableRead": true,
    "Id": "P-10008",
    "DisplayName": "Password Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "EncryptionRecoveryTab",
    "EnableRead": true,
    "Id": "P-10009",
    "DisplayName": "Encryption Recovery Tab"
},
{
    "PrivilegeGroup": "Profile",
    "PolicyName": "EncryptionRecoverySettings",
    "EnableRead": true,
    "Id": "P-100010",
    "DisplayName": "Encryption Recovery Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsName",
    "EnableRead": true,
    "Id": "BS-10003",
    "DisplayName": "General Settings - Name",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsIBMDomino",
    "EnableRead": true,
    "Id": "BS-10004",
    "DisplayName": "General Settings - IBM Domino",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsIBMNotes",
    "EnableRead": true,
    "Id": "BS-10005",
    "DisplayName": "General Settings - IBM Notes",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsMSExchangeServer",
    "EnableRead": true,
    "Id": "BS-10006",
    "DisplayName": "General Settings - MS Exchange Server",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsMSHyperV",
    "EnableRead": true,
    "Id": "BS-10007",
    "DisplayName": "General Settings - MS HyperV",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsMSSQLServer",
    "EnableRead": true,
    "Id": "BS-10008",
    "DisplayName": "General Settings - MSSQL Server",
    "EnableWrite": true
},
{

```

```

    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsWindowsSystemBackup",
    "EnableRead": true,
    "Id": "BS-10009",
    "DisplayName": "General Settings - Windows System Backup",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsWindowsSystemStateBackup",
    "EnableRead": true,
    "Id": "BS-10010",
    "DisplayName": "General Settings - Windows System State Backup",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsMySQLServer",
    "EnableRead": true,
    "Id": "BS-10011",
    "DisplayName": "General Settings - MySQL Server",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsOracleDatabaseServer",
    "EnableRead": true,
    "Id": "BS-10012",
    "DisplayName": "General Settings - Oracle Database Server",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsVMwareHost",
    "EnableRead": true,
    "Id": "BS-10013",
    "DisplayName": "General Settings - VMware Host",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsShadowProtect",
    "EnableRead": true,
    "Id": "BS-10014",
    "DisplayName": "General Settings - Shadow Protect",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "GeneralSettingsWindowsUserAuthentication",
    "EnableRead": true,
    "Id": "BS-10015",
    "DisplayName": "General Settings - Windows User Authentication",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "SourceTab",
    "EnableRead": true,
    "Id": "BS-10016",
    "DisplayName": "Source Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "SourceSettingsBackupSource",
    "EnableRead": true,
    "Id": "BS-10017",
    "DisplayName": "Source Settings - BackupSource",
    "EnableWrite": true
}
,
```

```

    "PrivilegeGroup": "BackupSets",
    "PolicyName": "SourceSettingsFilter",
    "EnableRead": true,
    "Id": "BS-10018",
    "DisplayName": "Source Settings - Filter",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "BackupScheduleTab",
    "EnableRead": true,
    "Id": "BS-10020",
    "DisplayName": "Backup Schedule Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "BackupScheduleSettings",
    "EnableRead": true,
    "Id": "BS-10021",
    "DisplayName": "Backup Schedule Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "ContinuousBackupTab",
    "EnableRead": true,
    "Id": "BS-10022",
    "DisplayName": "Continuous Backup Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "ContinuousBackupSettings",
    "EnableRead": true,
    "Id": "BS-10023",
    "DisplayName": "Continuous Backup Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "DestinationTab",
    "EnableRead": true,
    "Id": "BS-10024",
    "DisplayName": "Destination Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "DestinationSettings",
    "EnableRead": true,
    "Id": "BS-10025",
    "DisplayName": "Destination Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "InFileDeltaTab",
    "EnableRead": true,
    "Id": "BS-10026",
    "DisplayName": "In-File Delta Tab"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "InFileDeltaSettings",
    "EnableRead": true,
    "Id": "BS-10027",
    "DisplayName": "In-File Delta Settings",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "RetentionPolicyTab",
    "EnableRead": true,

```

```

        "Id": "BS-10028",
        "DisplayName": "Retention Policy Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "RetentionPolicySettings",
        "EnableRead": true,
        "Id": "BS-10029",
        "DisplayName": "Retention Policy Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "CommandLineToolTab",
        "EnableRead": true,
        "Id": "BS-10030",
        "DisplayName": "Command Line Tool Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "CommandLineToolSettings",
        "EnableRead": true,
        "Id": "BS-10031",
        "DisplayName": "Command Line Tool Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "ReminderTab",
        "EnableRead": true,
        "Id": "BS-10032",
        "DisplayName": "Reminder Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "ReminderSettings",
        "EnableRead": true,
        "Id": "BS-10033",
        "DisplayName": "Reminder Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "BandwidthControlTab",
        "EnableRead": true,
        "Id": "BS-10034",
        "DisplayName": "Bandwidth Control Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "BandwidthControlSettings",
        "EnableRead": true,
        "Id": "BS-10035",
        "DisplayName": "Bandwidth Control Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "OthersTab",
        "EnableRead": true,
        "Id": "BS-10038",
        "DisplayName": "Others Tab"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "OthersSettingsTemporaryDirectory",
        "EnableRead": true,
        "Id": "BS-10039",
        "DisplayName": "Others Settings - Temporary Directory",
        "EnableWrite": true
    }
},

```

```
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "OthersSettingsFollowLink",
    "EnableRead": true,
    "Id": "BS-10040",
    "DisplayName": "Others Settings - Follow Link",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "OthersSettingsVolumeShadowCopy",
    "EnableRead": true,
    "Id": "BS-10041",
    "DisplayName": "Others Settings - Volume Shadow Copy",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "OthersSettingsFilePermissions",
    "EnableRead": true,
    "Id": "BS-10042",
    "DisplayName": "Others Settings - File Permissions",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "OthersSettingsArchivedLogDeletion",
    "EnableRead": true,
    "Id": "BS-10043",
    "DisplayName": "Others Settings - Archived Log Deletion",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "OthersSettingsCompressions",
    "EnableRead": true,
    "Id": "BS-10044",
    "DisplayName": "Others Settings - Compressions",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "OthersSettingsEncryption",
    "EnableRead": true,
    "Id": "BS-10045",
    "DisplayName": "Others Settings - Encryption"
},
{
    "PrivilegeGroup": "BackupSets",
    "PolicyName": "OthersSettingsChangedBlockTracking",
    "EnableRead": true,
    "Id": "BS-10046",
    "DisplayName": "Others Settings - Changed Block Tracking",
    "EnableWrite": true
},
{
    "PrivilegeGroup": "Settings",
    "PolicyName": "ProxyTab",
    "EnableRead": true,
    "Id": "S-10001",
    "DisplayName": "Proxy Tab"
},
{
    "PrivilegeGroup": "Settings",
    "PolicyName": "ProxySettings",
    "EnableRead": true,
    "Id": "S-10002",
    "DisplayName": "Proxy Settings",
    "EnableWrite": true
}
}
```

```

        "PrivilegeGroup": "Settings",
        "PolicyName": "WindowsEventLogTab",
        "EnableRead": true,
        "Id": "S-10005",
        "DisplayName": "Windows Event Log Tab"
    },
    {
        "PrivilegeGroup": "Settings",
        "PolicyName": "WindowsEventLogSettings",
        "EnableRead": true,
        "Id": "S-10006",
        "DisplayName": "Windows Event Log Settings",
        "EnableWrite": true
    },
    {
        "PrivilegeGroup": "Utilities",
        "PolicyName": "DataIntegrityCheck",
        "EnableRead": true,
        "Id": "U-10001",
        "DisplayName": "Data Integrity Check"
    },
    {
        "PrivilegeGroup": "Utilities",
        "PolicyName": "SpaceFreeingUp",
        "EnableRead": true,
        "Id": "U-10002",
        "DisplayName": "Space Freeing Up"
    },
    {
        "PrivilegeGroup": "Utilities",
        "PolicyName": "DeleteBackupData",
        "EnableRead": true,
        "Id": "U-10003",
        "DisplayName": "Delete Backup Data"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "AddAndRemove",
        "EnableRead": true,
        "Id": "BS-10001",
        "DisplayName": "Add and Remove Backup Set"
    },
    {
        "PrivilegeGroup": "BackupSets",
        "PolicyName": "GeneralTab",
        "EnableRead": true,
        "Id": "BS-10002",
        "DisplayName": "General Tab"
    }
],
},
{
    "ID": "1446023471399",
    "BackupSetSettings": {
        "ExcludeFileSettings": {
            "LastModifiedPeriod": 10,
            "FileSize": 10737418240,
            "ExcludeMappedDrive": true,
            "ExcludeLastModified": true,
            "LastModifiedPeriodType": "YEAR",
            "LastModifiedType": "PERIOD",
            "Enable": false,
            "LastModifiedDate": -1,
            "ExcludeFileSize": true
        }
    },
    "DefaultValues": {
        "VmwareSettingsList": {
            "Enable": false,
            "List": []
        },
        "VolumeShadowCopySettingsList": {

```

```

        "Enable": false,
        "List": []
    },
    "AllowedIPSettingsList": {
        "Enable": false,
        "List": []
    },
    "FollowLinkSettingsList": {
        "Enable": false,
        "List": []
    },
    "InFileDeltaSettingsList": {
        "Enable": false,
        "List": []
    },
    "CompressionsSettingsList": {
        "Enable": false,
        "List": []
    },
    "WinUserAuthSettingsList": {
        "Enable": false,
        "List": []
    },
    "FileSettingsList": {
        "Enable": false,
        "List": []
    },
    "MswindowsSystemStateSettingsList": {
        "Enable": false,
        "List": []
    },
    "DestinationSettingsList": {
        "Enable": false,
        "List": []
    },
    "BandwidthControlSettingsList": {
        "Enable": false,
        "List": []
    },
    "NameSettingsList": {
        "Enable": false,
        "List": []
    },
    "RetentionPolicySettingsList": {
        "Enable": false,
        "List": []
    },
    "FilePermissionsSettingsList": {
        "Enable": false,
        "List": []
    },
    "MySQLSettingsList": {
        "Enable": false,
        "List": []
    },
    "ShadowProtectSettingsList": {
        "Enable": false,
        "List": []
    },
    "AdvancedSettingsList": {
        "Enable": false,
        "List": []
    },
    "CommandSettingsList": {
        "Enable": false,
        "List": []
    },
    "TemporaryDirectorySettingsList": {
        "Enable": false,
        "List": []
    }
},

```

	<pre> "OracleSettingsList": { "Enable": false, "List": [] }, "ReminderSettingsList": { "Enable": false, "List": [] }, "LotusNotesSettingsList": { "Enable": false, "List": [] }, "FilterSettingsList": { "Enable": false, "List": [] }, "MswindowsSystemSettingsList": { "Enable": false, "List": [] }, "LotusDominoSettingsList": { "Enable": false, "List": [] }, "ScheduleSettingsList": { "Enable": false, "List": [] }, "ArchivedLogDeletionSettingsList": { "Enable": false, "List": [] }, "EncryptionSettingsList": { "Enable": false, "List": [] }, "CdpSettingsList": { "Enable": false, "List": [] } } } </pre>
	<p>Output</p> <pre>{"Status":"OK"}</pre>

4 User API

4.1 User

4.1.1 ListUsers

This API can be used to retrieve users information, with various filter options. The related settings can be found on the AhsayCBS web console:

- ▶ [Backup / Restore] > [User, Groups & Policies] > [Backup User]

v1 ListUsers.do

URL:		
		ListUsers.do">http://BACKUP SERVER/obs/api/json>ListUsers.do
Available since version:		
		7.3
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Criteria	String	all paid trial suspended locked inactive A-B B-C ... and others
searchBy	String	"Name"
searchStr	String	Only users with login name that contains searchStr are listed
reseller	String	Login name of a reseller. Only users under that reseller are listed.
UserGroupID	String	ID of a user group. Only users under that user group are listed.
PolicyGroupID	String	ID of a policy group. Only users under that policy group are listed.
Date	String	Number of days. Only users that are registered within that number of days are listed.
ClientType	String	OBM / ACB. Only that type of users is listed.
LoginNameOnly	Boolean	If it is true, only login name of users are returned.
ClientTypeOnly	Boolean	If it is true, only login name and client type of users are returned.
Return Values:		
Key	Type	Descriptions
Status	String	OK / Error
User	Array of UserLoginName or Array of UserClientType or Array of User	If ClientTypeOnly is true, an array of UserClientType is returned. If LoginNameOnly is true, an array of UserLoginName is returned. Otherwise, an array of User is returned.
Message	String	Error message, it exists only if status is Error
ExptType	String	The type of exception, it exists only if status is Error

JSON Objects:

UserClientType		
Key	Type	Descriptions
ID	String	
LoginName	String	Client user name
Owner	String	
UserId	String	Unique for each user
ClientType	String	ACB / OBM
QuotaUsed	Integer	User quota used by the user
UserLoginName		
Key	Type	Descriptions
ID	String	
LoginName	String	Client user name
Owner	String	
UserId	String	
ClientType	String	ACB / OBM
QuotaUsed	Integer	User quota used by the user
User		
Key	Type	Descriptions
ID	String	
LoginName	String	Client user name
Owner	String	
UserId	String	
Alias	String	Display name
UserType	String	TRIAL / PAID. Default to TRIAL if not specified
ClientType	String	ACB / OBM
QuotaUsed	Integer	User quota used by the user
DestinationQuotaList	JSON object	
DestinationName	String	
DestinationKey	Long	
Quota	Integer	Unit in bytes
Online	Boolean	
Timezone	String	String of timezone, refer to Appendix for string
Language	String	
DataFile	Long	Number of files in data area (Exclude local destination)
DataSize	Long	Compressed size of data area (Exclude local destination)
RetainFile	Long	Number of files in retention area (Exclude local destination)
RetainSize	Long	Compressed size of retention area (Exclude local destination)
EnableMsWinSysState	Boolean	
EnableMSSQL	Boolean	
EnableMExchange	Boolean	
MsExchangeQuota	Long	
EnableOracle	Boolean	
EnableLotusNotes	Boolean	
EnableLotusDomino	Boolean	
EnableMySQL	Boolean	
EnableInFileDelta	Boolean	
EnableShadowCopy	Boolean	
EnableExchangeMailbox	Boolean	
ExchangeMailboxQuota	Long	
EnableNASClient	Boolean	
EnableQnap	Boolean	For AhsayCBS version 7.17.0.0 or above
EnableDeltaMerge	Boolean	For AhsayCBS version 7.17.0.0 or above
EnableMsVm	Boolean	
EnableOpenDirect	Boolean	For AhsayCBS version 7.13.0.0 or above
OpenDirectQuota	Long	For AhsayCBS version 7.13.0.0 or above
MsVmQuota	Long	
EnableVMware	Boolean	
VMwareQuota	Long	Number of Guest VM allowed
Bandwidth	Long	
Notes	String	
Status	String	SUSPENDED / ENABLE
RegistrationDate	Long	
SuspendPaidUser	Boolean	

SuspendPaidUserDate	String	
LastBackupDate	Long	
EnableCDP	Boolean	
EnableShadowProtectBareMetal	Boolean	
EnableWinServer2008BareMetal	Boolean	Add-on module of Windows system backup
MsVmQuotaType	String	GUESTVM / SOCKET
VMwareQuotaType	String	GUESTVM / SOCKET
EnableMobile	Boolean	
MobileQuota	Long	
EnableOffice365Mail	Boolean	
Office365MailQuota	Long	
Hostname	String	
LdapUser	String	
LdapDeleteUser	Long	
LdapDisableUser	Long	
ExpiryDate	Long	
LatestClientVersion	String	
UserGroupIDList	Array	Array of user group ID
UserHome	String	
Contact	Array	
QuotaList	JSON object	Array of backup quota for backup destinations. Note: This JSON object will only be returned by AhsayCBS version 7.15.6.0 or above.
QuotaList		
Key	Type	Descriptions
Enabled	Boolean	
DestinationName	String	Name of the visible destination
DestinationKey	String	ID of the predefined destination, or OBS for quota on AhsayCBS
Quota	Integer	Unit in bytes
UserGroup		
Key	Type	Descriptions
UserGroupID	String	
UserGroupName	String	
ShowLink	Boolean	
Contact		
Key	Type	Descriptions
Name	String	
Email	String	
Example 1:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "searchStr":"username" }		
Output		
{ "User": [{ >DataFile":422, >LoginName":"username", >Online":false, >RetainSize":928, >VMwareQuotaType":"GUESTVM", >LatestClientVersion":"7.15.2.2", >LastBackupDate":1521623413585, >EnableOffice365Mail":true, >EnableLotusNotes":true, >Timezone":"1098", >ID":1515980405697", >UserHome":"C:\\Program Files\\AhsayOBS and AhsayRPS\\user\\username", >ExchangeMailboxQuota":10, >EnableMsWinSysState":true, >EnableLotusDomino":true, }] }		

```

    "Bandwidth":0,
    "UserType":"PAID",
    "Office365MailQuota":10,
    "SuspendPaidUser":false,
    "EnableOpenDirect":true,
    "SuspendPaidUserDate":"20180115",
    "EnableNASClient":false,
    "EnableQnap":false,
    "Notes":"",
    "ExpiryDate":-99,
    "QuotaUsed":5,
    "EnableShadowCopy":true,"RegistrationDate":1515980405697,
    "EnableMySQL":true,
    "DestinationQuotaList": [
    {
        "Enabled":true,
        "Quota":53687091200,
        "DestinationKey":"OBS"},
    {
        "Enabled":false,
        "Quota":-1,
        "DestinationName":"AhsayCBS",
        "DestinationKey":"-1518496023533"},
    {
        "Enabled":true,
        "Quota":53687091200,
        "DestinationName":"Predefine 1",
        "DestinationKey":"-1526366187317"}
    ],
    "LdapDisableUser":-1,
    "DataSize":29027677,
    "ClientType":"OBM",
    "MsVmQuotaType":"GUESTVM",
    "LdapDeleteUser":-1,
    "EnableVmware":true,
    "EnableShadowProtectBareMetal":true,
    "MsVmQuota":10,
    "EnableMsVm":true,
    "EnableMSSQL":true,
    "LdapUser":false,
    "Hostname":"",
    "EnableInFileDelta":true,
    "EnableExchangeMailbox":true,
    "EnableCDP":true,
    "Owner":"",
    "EnableOracle":true,
    "MobileQuota":0,
    "Contact":[],
    "UsergroupIdList":[],
    "UserId":"username",
    "OpenDirectQuota":10,
    "EnableWinServer2008BareMetal":true,
    "Status":"ENABLE",
    "Alias":"",
    "VMwareQuota":10,
    "RetainFile":5,
    "Language":"en",
    "EnableMobile":false,
    "EnableMSExchange":true
    }
],
"Status": "OK"
}

```

Example 2:

Input

```
{
    "SysUser":"api_user",
    "SysPwd":"abc123$%"
}
```

Output

```
{  
  "User": [  
    {  
      "DataFile": 0,  
      "LoginName": "Testscript",  
      "Online": false,  
      "RetainSize": 0,  
      "VMwareQuotaType": "GUESTVM",  
      "LatestClientVersion": "",  
      "LastBackupDate": -1,  
      "EnableOffice365Mail": false,  
      "Quota": 100,  
      "EnableLotusNotes": false,  
      "Timezone": "",  
      "ID": "1497521191178",  
      "UserHome": "/usr/local/cbs_7_12.4/user/Testscript",  
      "ExchangeMailboxQuota": 0,  
      "EnableMsWinSysState": false,  
      "EnableLotusDomino": true,  
      "Bandwidth": 0,  
      "UserType": "TRIAL",  
      "Office365MailQuota": 0,  
      "SuspendPaidUser": true,  
      "EnableOpenDirect": false,  
      "SuspendPaidUserDate": "20170715",  
      "EnableNASClient": false,  
      "Notes": "",  
      "ExpiryDate": 29,  
      "QuotaUsed": 1,  
      "EnableShadowCopy": false,  
      "RegistrationDate": 1497521191178,  
      "EnableMySQL": false,  
      "LdapDisableUser": 0,  
      "DataSize": 0,  
      "ClientType": "OBM",  
      "MsVmQuotaType": "GUESTVM",  
      "LdapDeleteUser": 0,  
      "EnableVMware": false,  
      "EnableShadowProtectBareMetal": false,  
      "MsVmQuota": 0,  
      "EnableMsVm": false,  
      "EnableMSSQL": true,  
      "LdapUser": false,  
      "Hostname": "",  
      "EnableInFileDelta": false,  
      "EnableExchangeMailbox": false,  
      "EnableCDP": false,  
      "Owner": "",  
      "EnableOracle": true,  
      "MobileQuota": 0,  
      "Contact": [  
        {  
          "Name": "",  
          "Email": "ahsaytest123@gmail.com"  
        }  
      ],  
      "UserGroupIdList": [],  
      "UserId": "Testscript",  
      "OpenDirectQuota": 0,  
      "EnableWinServer2008BareMetal": false,  
      "Status": "ENABLE",  
      "Alias": "",  
      "VMwareQuota": 0,  
      "RetainFile": 0,  
      "Language": "",  
      "EnableMobile": false,  
      "EnableMSExchange": true  
    },  
    {  
    }
```

```

    "DataFile": 0,
    "LoginName": "test1",
    "Online": false,
    "RetainSize": 0,
    "VMwareQuotaType": "GUESTVM",
    "LatestClientVersion": "",
    "LastBackupDate": -1,
    "EnableOffice365Mail": false,
    "Quota": 34520,
    "EnableLotusNotes": false,
    "Timezone": "",
    "ID": "1497521191492",
    "UserHome": "/usr/local/cbs_7_12.4/user/test1",
    "ExchangeMailboxQuota": 452,
    "EnableMsWinSysState": false,
    "EnableLotusDomino": false,
    "Bandwidth": 0,
    "UserType": "PAID",
    "Office365MailQuota": 0,
    "SuspendPaidUser": false,
    "EnableOpenDirect": true,
    "SuspendPaidUserDate": "19700101",
    "EnableNASClient": false,
    "Notes": "",
    "ExpiryDate": 29,
    "QuotaUsed": 1,
    "EnableShadowCopy": false,
    "RegistrationDate": 1497521191492,
    "EnableMySQL": false,
    "LdapDisableUser": 0,
    "DataSize": 0,
    "ClientType": "OBM",
    "MsVmQuotaType": "GUESTVM",
    "LdapDeleteUser": 0,
    "EnableVMware": false,
    "EnableShadowProtectBareMetal": false,
    "MsVmQuota": 0,
    "EnableMsVm": false,
    "EnableMSSQL": false,
    "LdapUser": false,
    "Hostname": "",
    "EnableInFileDelta": false,
    "EnableExchangeMailbox": true,
    "EnableCDP": false,
    "Owner": "",
    "EnableOracle": false,
    "MobileQuota": 0,
    "Contact": [
      {
        "Name": "",
        "Email": "ahsaytest123@gmail.com"
      }
    ],
    "UserGroupIDList": [],
    "UserId": "test1",
    "OpenDirectQuota": 3,
    "EnableWinServer2008BareMetal": false,
    "Status": "ENABLE",
    "Alias": "",
    "VMwareQuota": 0,
    "RetainFile": 0,
    "Language": "",
    "EnableMobile": false,
    "EnableMSExchange": false
  },
  {
    "DataFile": 0,
    "LoginName": "test6",
    "Online": false,
    "RetainSize": 0,
    "VMwareQuotaType": "GUESTVM",
  }
]

```

```

"LatestClientVersion": "",
"LastBackupDate": -1,
"EnableOffice365Mail": false,
"Quota": 42410,
"EnableLotusNotes": true,
"Timezone": "",
"ID": "1497521191766",
"UserHome": "/usr/local/cbs_7_12.4/user/test6",
"ExchangeMailboxQuota": 223,
"EnableMsWinSysState": false,
"EnableLotusDomino": false,
"Bandwidth": 0,
"UserType": "PAID",
"Office365MailQuota": 0,
"SuspendPaidUser": false,
"EnableOpenDirect": false,
"SuspendPaidUserDate": "19700101",
"EnableNASClient": false,
"Notes": "",
"ExpiryDate": 29,
"QuotaUsed": 1,
"EnableShadowCopy": false,
"RegistrationDate": 1497521191766,
"EnableMySQL": false,
"LdapDisableUser": 0,
"DataSize": 0,
"ClientType": "OBM",
"MsVmQuotaType": "GUESTVM",
"LdapDeleteUser": 0,
"EnableVMware": false,
"EnableShadowProtectBareMetal": false,
"MsVmQuota": 0,
"EnableMsVm": false,
"EnableMSSQL": false,
"LdapUser": false,
"Hostname": "",
"EnableInFileDelta": false,
"EnableExchangeMailbox": true,
"EnableCDP": false,
"Owner": "",
"EnableOracle": false,
"MobileQuota": 0,
"Contact": [
{
  "Name": "",
  "Email": "ahsaytest123@gmail.com"
}
],
"UserGroupIDList": [],
"UserId": "test6",
"OpenDirectQuota": 0,
"EnableWinServer2008BareMetal": false,
>Status": "SUSPENDED",
"Alias": "",
"VMwareQuota": 0,
"RetainFile": 0,
"Language": "",
"EnableMobile": false,
"EnableMSExchange": false
},
{
  "DataFile": 0,
  "LoginName": "test7",
  "Online": false,
  "RetainSize": 0,
  "VMwareQuotaType": "GUESTVM",
  "LatestClientVersion": "",
  "LastBackupDate": -1,
  "EnableOffice365Mail": false,
  "Quota": 1344,
  "EnableLotusNotes": false
}
]

```

```

    "Timezone": "",
    "ID": "1497521191795",
    "UserHome": "/usr/local/cbs_7_12.4/user/test7",
    "ExchangeMailboxQuota": 0,
    "EnableMsWinSysState": false,
    "EnableLotusDomino": false,
    "Bandwidth": 0,
    "UserType": "PAID",
    "Office365MailQuota": 0,
    "SuspendPaidUser": false,
    "EnableOpenDirect": false,
    "SuspendPaidUserDate": "19700101",
    "EnableNASClient": false,
    "Notes": "",
    "ExpiryDate": 29,
    "QuotaUsed": 1,
    "EnableShadowCopy": false,
    "RegistrationDate": 1497521191795,
    "EnableMySQL": false,
    "LdapDisableUser": 0,
    "DataSize": 0,
    "ClientType": "OBM",
    "MsVmQuotaType": "GUESTVM",
    "LdapDeleteUser": 0,
    "EnableVMware": false,
    "EnableShadowProtectBareMetal": false,
    "MsVmQuota": 0,
    "EnableMsVm": false,
    "EnableMSSQL": false,
    "LdapUser": false,
    "Hostname": "",
    "EnableInFileDelta": false,
    "EnableExchangeMailbox": false,
    "EnableCDP": false,
    "Owner": "",
    "EnableOracle": false,
    "MobileQuota": 0,
    "Contact": [
      {
        "Name": "",
        "Email": "ahsaytest123@gmail.com"
      }
    ],
    "UserGroupIdList": [],
    "UserId": "test7",
    "OpenDirectQuota": 0,
    "EnableWinServer2008BareMetal": false,
    "Status": "SUSPENDED",
    "Alias": "",
    "VMwareQuota": 0,
    "RetainFile": 0,
    "Language": "",
    "EnableMobile": false,
    "EnableMSExchange": false
  },
  {
    "DataFile": 0,
    "LoginName": "test4",
    "Online": false,
    "RetainSize": 0,
    "VMwareQuotaType": "GUESTVM",
    "LatestClientVersion": "",
    "LastBackupDate": -1,
    "EnableOffice365Mail": false,
    "Quota": 34530,
    "EnableLotusNotes": true,
    "Timezone": "",
    "ID": "1497521191676",
    "UserHome": "/usr/local/cbs_7_12.4/user/test4",
    "ExchangeMailboxQuota": 0,
    "EnableMsWinSysState": false,
  }
]

```

```

    "EnableLotusDomino": false,
    "Bandwidth": 0,
    "UserType": "PAID",
    "Office365MailQuota": 0,
    "SuspendPaidUser": false,
    "EnableOpenDirect": true,
    "SuspendPaidUserDate": "19700101",
    "EnableNASClient": false,
    "Notes": "",
    "ExpiryDate": 29,
    "QuotaUsed": 1,
    "EnableShadowCopy": false,
    "RegistrationDate": 1497521191676,
    "EnableMySQL": false,
    "LdapDisableUser": 0,
    "DataSize": 0,
    "ClientType": "OBM",
    "MsVmQuotaType": "GUESTVM",
    "LdapDeleteUser": 0,
    "EnableVMware": false,
    "EnableShadowProtectBareMetal": false,
    "MsVmQuota": 0,
    "EnableMsVm": false,
    "EnableMSSQL": true,
    "LdapUser": false,
    "Hostname": "",
    "EnableInFileDelta": false,
    "EnableExchangeMailbox": false,
    "EnableCDP": false,
    "Owner": "",
    "EnableOracle": true,
    "MobileQuota": 234,
    "Contact": [
      {
        "Name": "",
        "Email": "ahsaytest123@gmail.com"
      }
    ],
    "UserGroupIDList": [],
    "UserId": "test4",
    "OpenDirectQuota": 6,
    "EnableWinServer2008BareMetal": false,
    "Status": "ENABLE",
    "Alias": "",
    "VMwareQuota": 0,
    "RetainFile": 0,
    "Language": "",
    "EnableMobile": true,
    "EnableMSExchange": true
  },
  {
    "DataFile": 0,
    "LoginName": "test5",
    "Online": false,
    "RetainSize": 0,
    "VMwareQuotaType": "GUESTVM",
    "LatestClientVersion": "",
    "LastBackupDate": -1,
    "EnableOffice365Mail": false,
    "Quota": 45420,
    "EnableLotusNotes": true,
    "Timezone": "",
    "ID": "1497521191735",
    "UserHome": "/usr/local/cbs_7_12.4/user/test5",
    "ExchangeMailboxQuota": 0,
    "EnableMsWinSysState": false,
    "EnableLotusDomino": false,
    "Bandwidth": 0,
    "UserType": "PAID",
    "Office365MailQuota": 0,
    "SuspendPaidUser": false
  }
]

```

```

    "EnableOpenDirect": true,
    "SuspendPaidUserDate": "19700101",
    "EnableNASClient": false,
    "Notes": "",
    "ExpiryDate": 29,
    "QuotaUsed": 1,
    "EnableShadowCopy": false,
    "RegistrationDate": 1497521191735,
    "EnableMySQL": false,
    "LdapDisableUser": 0,
    "DataSize": 0,
    "ClientType": "OBM",
    "MsVmQuotaType": "GUESTVM",
    "LdapDeleteUser": 0,
    "EnableVMware": false,
    "EnableShadowProtectBareMetal": false,
    "MsVmQuota": 0,
    "EnableMsVm": false,
    "EnableMSSQL": false,
    "LdapUser": false,
    "Hostname": "",
    "EnableInFileDelta": false,
    "EnableExchangeMailbox": false,
    "EnableCDP": false,
    "Owner": "",
    "EnableOracle": false,
    "MobileQuota": 0,
    "Contact": [
        {
            "Name": "",
            "Email": "ahsaytest123@gmail.com"
        }
    ],
    "UserGroupIDList": [],
    "UserId": "test5",
    "OpenDirectQuota": 7,
    "EnableWinServer2008BareMetal": false,
    "Status": "ENABLE",
    "Alias": "",
    "VMwareQuota": 0,
    "RetainFile": 0,
    "Language": "",
    "EnableMobile": false,
    "EnableMSEchange": false
},
{
    "DataFile": 0,
    "LoginName": "test2",
    "Online": false,
    "RetainSize": 0,
    "VMwareQuotaType": "GUESTVM",
    "LatestClientVersion": "",
    "LastBackupDate": -1,
    "EnableOffice365Mail": false,
    "Quota": 34530,
    "EnableLotusNotes": false,
    "Timezone": "",
    "ID": "1497521191523",
    "UserHome": "/usr/local/cbs_7_12.4/user/test2",
    "ExchangeMailboxQuota": 0,
    "EnableMsWinSysState": false,
    "EnableLotusDomino": false,
    "Bandwidth": 0,
    "UserType": "PAID",
    "Office365MailQuota": 0,
    "SuspendPaidUser": false,
    "EnableOpenDirect": true,
    "SuspendPaidUserDate": "19700101",
    "EnableNASClient": false,
    "Notes": "",
    "ExpiryDate": 29,
}

```

```

    "QuotaUsed": 1,
    "EnableShadowCopy": false,
    "RegistrationDate": 1497521191524,
    "EnableMySQL": false,
    "LdapDisableUser": 0,
    "DataSize": 0,
    "ClientType": "OBM",
    "MsVmQuotaType": "GUESTVM",
    "LdapDeleteUser": 0,
    "EnableVMware": false,
    "EnableShadowProtectBareMetal": false,
    "MsVmQuota": 0,
    "EnableMsVm": false,
    "EnableMSSQL": false,
    "LdapUser": false,
    "Hostname": "",
    "EnableInFileDelta": false,
    "EnableExchangeMailbox": false,
    "EnableCDP": false,
    "Owner": "",
    "EnableOracle": false,
    "MobileQuota": 0,
    "Contact": [
      {
        "Name": "",
        "Email": "ahsaytest123@gmail.com"
      }
    ],
    "UserGroupIDList": [],
    "UserId": "test2",
    "OpenDirectQuota": 4,
    "EnableWinServer2008BareMetal": false,
    "Status": "ENABLE",
    "Alias": "",
    "VMwareQuota": 0,
    "RetainFile": 0,
    "Language": "",
    "EnableMobile": false,
    "EnableMSExchange": false
  },
  {
    "DataFile": 0,
    "LoginName": "test3",
    "Online": false,
    "RetainSize": 0,
    "VMwareQuotaType": "GUESTVM",
    "LatestClientVersion": "",
    "LastBackupDate": -1,
    "EnableOffice365Mail": false,
    "Quota": 33450,
    "EnableLotusNotes": true,
    "Timezone": "",
    "ID": "1497521191612",
    "UserHome": "/usr/local/cbs_7_12.4/user/test3",
    "ExchangeMailboxQuota": 0,
    "EnableMsWinSysState": false,
    "EnableLotusDomino": false,
    "Bandwidth": 0,
    "UserType": "TRIAL",
    "Office365MailQuota": 0,
    "SuspendPaidUser": true,
    "EnableOpenDirect": true,
    "SuspendPaidUserDate": "20170715",
    "EnableNASClient": true,
    "Notes": "",
    "ExpiryDate": 29,
    "QuotaUsed": 1,
    "EnableShadowCopy": true,
    "RegistrationDate": 1497521191612,
    "EnableMySQL": true,
    "LdapDisableUser": 0,
  }
]

```

```

    "DataSize": 0,
    "ClientType": "OBM",
    "MsVmQuotaType": "GUESTVM",
    "LdapDeleteUser": 0,
    "EnableVMware": false,
    "EnableShadowProtectBareMetal": false,
    "MsVmQuota": 0,
    "EnableMsVm": false,
    "EnableMSSQL": false,
    "LdapUser": false,
    "Hostname": "",
    "EnableInFileDelta": true,
    "EnableExchangeMailbox": false,
    "EnableCDP": false,
    "Owner": "",
    "EnableOracle": false,
    "MobileQuota": 0,
    "Contact": [
      {
        "Name": "",
        "Email": "ahsaytest123@gmail.com"
      }
    ],
    "UserGroupIdList": [],
    "UserId": "test3",
    "OpenDirectQuota": 5,
    "EnableWinServer2008BareMetal": false,
    "Status": "ENABLE",
    "Alias": "",
    "VMwareQuota": 0,
    "RetainFile": 0,
    "Language": "",
    "EnableMobile": false,
    "EnableMSExchange": false
  },
  {
    "DataFile": 0,
    "LoginName": "Testscip123",
    "Online": false,
    "RetainSize": 0,
    "VMwareQuotaType": "GUESTVM",
    "LatestClientVersion": "",
    "LastBackupDate": -1,
    "EnableOffice365Mail": false,
    "Quota": 134500,
    "EnableLotusNotes": false,
    "Timezone": "",
    "ID": "1497521191326",
    "UserHome": "/usr/local/cbs_7_12.4/user/Testscip123",
    "ExchangeMailboxQuota": 0,
    "EnableMsWinSysState": false,
    "EnableLotusDomino": false,
    "Bandwidth": 0,
    "UserType": "PAID",
    "Office365MailQuota": 0,
    "SuspendPaidUser": false,
    "EnableOpenDirect": true,
    "SuspendPaidUserDate": "19700101",
    "EnableNASClient": false,
    "Notes": "",
    "ExpiryDate": 29,
    "QuotaUsed": 1,
    "EnableShadowCopy": false,
    "RegistrationDate": 1497521191326,
    "EnableMySQL": false,
    "LdapDisableUser": 0,
    "DataSize": 0,
    "ClientType": "OBM",
    "MsVmQuotaType": "GUESTVM",
    "LdapDeleteUser": 0,
    "EnableVMware": false,

```

```

"EnableShadowProtectBareMetal": false,
"MsVmQuota": 123,
"EnableMsVm": true,
"EnableMSSQL": false,
"LdapUser": false,
"Hostname": "",
"EnableInFileDelta": false,
"EnableExchangeMailbox": false,
"EnableCDP": false,
"Owner": "",
"EnableOracle": false,
"MobileQuota": 0,
>Contact": [
{
"Name": "",
"Email": "ahsaytest123@gmail.com"
}
],
>UserGroupIDList": [],
"UserId": "Testscip123",
"OpenDirectQuota": 21,
"EnableWinServer2008BareMetal": false,
>Status": "SUSPENDED",
"Alias": "",
"VMwareQuota": 0,
"RetainFile": 0,
"Language": "",
"EnableMobile": false,
"EnableMSEchange": false
},
{
>DataFile": 23,
"LoginName": "opendirect",
"Online": false,
"RetainSize": 0,
"VMwareQuotaType": "GUESTVM",
"LatestClientVersion": "7.12.4.0",
"LastBackupDate": 1497596415069,
"EnableOffice365Mail": false,
"Quota": 1073741824,
"EnableLotusNotes": false,
"Timezone": "1097",
"ID": "1497578979898",
>UserHome": "/usr/local/cbs_7_12.4/user/opendirect",
"ExchangeMailboxQuota": 0,
"EnableMsWinSysState": false,
"EnableLotusDomino": false,
"Bandwidth": 0,
"UserType": "TRIAL",
"Office365MailQuota": 0,
"SuspendPaidUser": true,
"EnableOpenDirect": true,
"SuspendPaidUserDate": "20170716",
"EnableNASClient": false,
"Notes": "",
"ExpiryDate": 30,
"QuotaUsed": 1,
"EnableShadowCopy": false,
"RegistrationDate": 1497578979897,
"EnableMySQL": false,
"LdapDisableUser": -1,
"DataSize": 55920393,
"ClientType": "OBM",
"MsVmQuotaType": "GUESTVM",
>LdapDeleteUser": -1,
"EnableVMware": false,
"EnableShadowProtectBareMetal": false,
"MsVmQuota": 0,
"EnableMsVm": false,
"EnableMSSQL": false,
"LdapUser": false,

```

```

        "Hostname": "",
        "EnableInFileDelta": false,
        "EnableExchangeMailbox": false,
        "EnableCDP": false,
        "Owner": "",
        "EnableOracle": false,
        "MobileQuota": 0,
        "Contact": [],
        "UserGroupIDList": [],
        "UserId": "opendirect",
        "OpenDirectQuota": 1,
        "EnableWinServer2008BareMetal": false,
        "Status": "ENABLE",
        "Alias": "",
        "VMwareQuota": 0,
        "RetainFile": 0,
        "Language": "en",
        "EnableMobile": false,
        "EnableMSEchange": false
    }
],
{
    "Status": "OK"
}

```

v2 ListUsers.do

To facilitate the Quota Management feature since AhsayCBS version 7.15.6.0, a new version of the ListUsers.do API (v2 ListUsers.do) was introduced.

A new **QuotaList** JSON object (list of quota for multiple backup destinations) was introduced to replace the single **Quota** parameter.

While AhsayCBS version 7.15.6.0 or above is backward compatible with API calls in previous format (pre-7.15.6.0 API format), it is highly recommended to use the new version of the API instead (e.g. v2 ListUsers.do).

URL:		
ListUsers.do">http://BACKUP SERVER/obs/api/json/2>ListUsers.do		
Available since version:		
7.15.6.0		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Criteria	String	all paid trial suspended locked inactive A-B B-C ... and others
searchBy	String	"Name"
searchStr	String	Only users with login name that contains searchStr are listed
reseller	String	Login name of a reseller. Only users under that reseller are listed.
UserGroupID	String	ID of a user group. Only users under that user group are listed.
PolicyGroupID	String	ID of a policy group. Only users under that policy group are listed.
Date	String	Number of days. Only users that are registered within that number of

			days are listed.
ClientType	String	OBM / ACB. Only that type of users is listed.	
LoginNameOnly	Boolean	If it is true, only login name of users are returned.	
ClientTypeOnly	Boolean	If it is true, only login name and client type of users are returned.	

Return Values:

	Key	Type	Descriptions
Status	String	OK / Error	
User	Array	If ClientTypeOnly is true, an array of UserClientType is returned. If LoginNameOnly is true, an array of UserLoginName is returned. Otherwise, an array of User is returned.	
Message	String	Error message, it exists only if status is Error	
ExptType	String	The type of exception, it exists only if status is Error	

JSON Objects:

UserClientType			
	Key	Type	Descriptions
ID	String		
LoginName	String	Client user name	
Owner	String		
UserId	String	Unique for each user	
ClientType	String	ACB / OBM	
QuotaUsed	Integer	User quota used by the user	
UserLoginName			
	Key	Type	Descriptions
ID	String		
LoginName	String	Client user name	
Owner	String		
UserId	String		
ClientType	String	ACB / OBM	
QuotaUsed	Integer	User quota used by the user	
User			
	Key	Type	Descriptions
ID	String		
LoginName	String	Client user name	
Owner	String		
UserId	String		
Alias	String	Display name	
UserType	String	TRIAL / PAID. Default to TRIAL if not specified	
ClientType	String	ACB / OBM	
QuotaUsed	Integer	User quota used by the user	
DestinationQuotaList	Array		
DestinationName	String		
DestinationKey	Long		
Online	Boolean		
Timezone	String	String of timezone, refer to Appendix for string	
Language	String		
DataFile	Long	Number of files in data area (Exclude local destination)	
DataSize	Long	Compressed size of data area (Exclude local destination)	
RetainFile	Long	Number of files in retention area (Exclude local destination)	
RetainSize	Long	Compressed size of retention area (Exclude local destination)	
EnableMSSQL	Boolean		
EnableMSExchange	Boolean		
MsExchangeQuota	Long		
EnableMsWinSysState	Boolean		
EnableOracle	Boolean		
EnableLotusNotes	Boolean		
EnableLotusDomino	Boolean		
EnableMySQL	Boolean		
EnableInFileDelta	Boolean		
EnableShadowCopy	Boolean		
EnableExchangeMailbox	Boolean		
ExchangeMailboxQuota	Long		
EnableNASClient	Boolean		

EnableQnap	Boolean	For AhsayCBS version 7.17.0.0 or above
EnableDeltaMerge	Boolean	
EnableMsVm	Boolean	
EnableOpenDirect	Boolean	For AhsayCBS version 7.13.0.0 or above
OpenDirectQuota	Long	For AhsayCBS version 7.13.0.0 or above
MsVmQuota	Long	
EnableVMware	Boolean	
VMwareQuota	Long	Number of Guest VM allowed
Bandwidth	Long	
Notes	String	
Status	String	SUSPENDED / ENABLE
RegistrationDate	Long	
SuspendPaidUser	Boolean	
SuspendPaidUserData	String	
LastBackupDate	Long	
EnableCDP	Boolean	
EnableShadowProtectBareMetal	Boolean	
EnableWinServer2008BareMetal	Boolean	Add-on module of Windows system backup
MsVmQuotaType	String	GUESTVM / SOCKET
VMwareQuotaType	String	GUESTVM / SOCKET
EnableMobile	Boolean	
MobileQuota	Long	
EnableOffice365Mail	Boolean	
Office365MailQuota	Long	
Hostname	String	
LdapUser	String	
LdapDeleteUser	Long	
LdapDisableUser	Long	
ExpiryDate	Long	
LatestClientVersion	String	
UserGroupIDList	Array	Array of user group ID
UserHome	String	
Contact	Array	
QuotaList	Array	Array of backup quota for backup destination. Note: Newly introduced for the Quota Management feature since AhsayCBS version 7.15.6.0.
QuotaList		
Key	Type	Descriptions
Enabled	Boolean	
DestinationName	String	Name of the backup destination
DestinationKey	String	ID of the backup destination, or OBS for quota on AhsayCBS
Quota	Integer	Unit in bytes
UserGroup		
Key	Type	Descriptions
UserGroupID	String	
UserGroupName	String	
ShowLink	Boolean	
Contact		
Key	Type	Descriptions
Name	String	
Email	String	
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "searchStr":"username" }		
Output		
{ "User": [{ "DataFile":422, }] }		

```

    "LoginName":"username",
    "Online":false,
    "RetainSize":928,
    "VMwareQuotaType":"GUESTVM",
    "LatestClientVersion":"7.15.2.2",
    "LastBackupDate":1521623413585,
    "EnableOffice365Mail":true,
    "EnableLotusNotes":true,
    "Timezone":"1098",
    "ID":1515980405697,
    "UserHome":C:\Program Files\AhsayOBS and AhsayRPS\user\username",
    "ExchangeMailboxQuota":10,
    "EnableMsWinSysState":true,
    "EnableLotusDomino":true,
    "Bandwidth":0,
    "UserType":PAID,
    "Office365MailQuota":10,
    "SuspendPaidUser":false,
    "EnableOpenDirect":true,
    "SuspendPaidUserDate":20180115",
    "EnableNASClient":false,"Notes":"",
    "ExpiryDate":-99,
    "QuotaUsed":5,
    "EnableShadowCopy":true,
    "RegistrationDate":1515980405697,
    "EnableMySQL":true,
    "QuotaList": [
        {
            "Enabled": true,
            "Quota": 10737418240,
            "DestinationName": "AhsayCBS - Predefined",
            "DestinationKey": "-1527764681764"
        },
        {
            "Enabled": true,
            "Quota": 53687091200,
            "DestinationName": "AhsayCBS",
            "DestinationKey": "OBS"
        }
    ],
    "LdapDisableUser":-1,
    "DataSize":29027677,
    "ClientType":OBM,
    "MsVmQuotaType":GUESTVM,
    "LdapDeleteUser":-1,
    "EnableVMware":true,
    "EnableShadowProtectBareMetal":true,
    "MsVmQuota":10,
    "EnableMsVm":true,
    "EnableMSSQL":true,
    "LdapUser":false,
    "Hostname":"",
    "EnableInFileDelta":true,
    "EnableExchangeMailbox":true,
    "EnableCDP":true,
    "Owner":"",
    "EnableOracle":true,
    "MobileQuota":0,
    "Contact":[],
    "UserGroupIdList": [],
    "UserId":username",
    "OpenDirectQuota":10,
    "EnableWinServer2008BareMetal":true,
    "Status":ENABLE",
    "Alias":"",
    "VMwareQuota":10,
    "RetainFile":5,
    "Language":en",
    "EnableMobile":false,
    "EnableMSExchange":true
}
],

```

```

    "Status": "OK"
}

```

4.1.2 AuthUser

This API checks whether a user exists or not.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup / Restore] > [User, Groups & Policies] > [Backup User]

URL:		
http://BACKUP_SERVER/obs/api/json/AuthUser.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
Owner	String	
Password		
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input User found		
<pre>{ "SysUser": "api", "SysPwd": "pwd", "LoginName": "user" "Password": "userpwd" }</pre>		
Output		
<pre>{"Status": "OK"}</pre>		
\		
Example:		
Input User does not exist		
<pre>{ "SysUser": "api", "SysPwd": "pwd", "LoginName": "dummyuser" "Password": "dummypwd" }</pre>		
Output		
<pre>{ "Status": "Error", "Message": "[UserCacheManager.NoSuchUserExpt] User 'dummyuser' not found.", "ExptType": "com.ahsay.obs.core.dbs.Y" }</pre>		

4.1.3 RunSingleUserRebuild

This API rebuilds a particular v6 legacy backupset of a user.

The related settings can be found on the AhsayCBS web console:

- [Backup / Restore] > [User, Groups & Policies] > [Backup User] > Choose a user
- > [Backup Set] > Choose a v6 backup set > [Destination] > [Standard Destination] > Rebuild

URL:		
http://BACKUP_SERVER/obs/api/json/RunSingleUserRebuild.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	User name
Owner	String	
BackupSetID	String	ID of the backupset. Obtainable in GetBackupset API.
CheckCrc	Boolean	Cyclic redundancy check
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
RebuildStatus		
Key	Type	Descriptions
LoginName	String	Client user name
BackupSetID	String	
Status	String	
StartTime	Long	
EndTime	Long	
Example:		
Input		
{ "SysUser": "api", "SysPwd": "pwd", "LoginName": "user", "BackupSetID": "497320488529", }		
Output		
{"Status": "OK"}		
Output 2 Backupset not exist		
{ "Status": "Error", "Message": "Backup Set for ID='497320488529' not found", "ExptType": "com.ahsay.obs.core.dbs.c" }		

4.1.4 GetSingleUserRebuildStatus

This API allows you to get the information of the recent v6 legacy backupset rebuild.

The related settings can be found on the AhsayCBS web console:

- ▶ [Monitoring] > [Administration Logs] > [Audit Trails]

URL:		
http://BACKUP_SERVER/obs/api/json/GetSingleUserRebuildStatus.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	User name
Owner	String	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	JSON Object RebuildStatus	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
RebuildStatus		
Key	Type	Descriptions
LoginName	String	Client user name
BackupSetID	String	
Status	String	
StartTime	Long	
EndTime	Long	
Example:		
Input		
{ "SysUser": "api", "SysPwd": "pwd", "LoginName": "user" }		
Output		
{ "Status": "OK", "Data": { "Status": "Finished", "LoginName": "opendirect", "EndTime": 1497320785971, "StartTime": 1497320785835, "BackupSetID": "ALL" } }		
Output 2 Not yet started		
{ "Status": "OK", "Data": { "Status": "Not yet started", "LoginName": "opendirect", "EndTime": -1, "StartTime": -1, "BackupSetID": "" } }		

{
}

4.1.5 GetUserStorageStat

This API allows you to get the file statistic of a backup set of a user.

The related settings can be found on the AhsayCBS web console:

- *[Backup/Restore]>[User, Groups & Policies]> [Backup user]>Choose a user>[Statistics]*

URL:		
http://BACKUP SERVER/obs/api/json/GetUserStorageStat.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Backup user name
Owner	String	
YearMonth	String	In "yyyy-MM" format. For example, to get the storage statistics of January 2017, the parameter is "2017-01"
BackupSetID	String	"all" to get statistics of all backup sets, or the backup set ID of the backup set
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Array of AverageStat	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
AverageStat		
Key	Type	Descriptions
YearMonth	String	yyyy-MM
AvgDataSize	String	Average data size in k / M / G format of all backup sets
AvgDataRawSize	String	Average data size in raw byte format of all backup sets
AvgDataNo	String	
AvgRetainSize	String	Average retained data size in k / M / G format of all backup sets
AvgRetainRawSize	String	Average retained data size in raw byte format of all backup sets
AvgRetainNo	String	
AvgUploadSize	String	Average uploaded data size in k / M / G format of all backup sets
AvgUploadRawSize	String	Average uploaded data size in raw byte format of all backup sets
AvgUploadNo	String	
AvgTotalStorageSize	String	Average total storage size in k / M / G format of all backup sets
AvgTotalStorageRawSize	String	Average total storage size in raw byte format of all backup sets
AvgTotalStorageNo	String	
Storage	Array of DetailStat	
DetailStat		
Key	Type	Descriptions
Date	String	yyyy-MM-dd
DataService	String	Data size in k / M / G format
DataRawSize	String	Data size in raw byte format
DataUncompressed	String	Uncompressed data size in k / M / G format
DataRawUncompressed	String	Uncompressed data size in raw byte format
DataNo	String	
RetainSize	String	Retained data size in k / M / G format

RetainRawSize	String	Retained data size in raw byte format
RetainUncompressed	String	Uncompressed retained data size in k / M / G format
RetainRawUncompressed	String	Uncompressed retained data size in raw byte format
RetainNo	String	
UploadSize	String	Uploaded data size in k / M / G format
UploadRawSize	String	Uploaded data size in raw byte format
UploadUncompressed	String	Uncompressed uploaded data size in k / M / G format
UploadRawUncompressed	String	Uncompressed uploaded data size in raw byte format
UploadNo	String	
TotalStorageSize	String	Total storage size in k / M / G format
TotalStorageRawSize	String	Total storage size in raw byte format
TotalStorageUncompressed	String	Uncompressed total storage size in k / M / G format
TotalStorageRawUncompressed	String	Uncompressed total storage size in raw byte format
TotalStorageNo	String	
DestinationID	String	Desintation storage ID

Example:

Input

```
{
  "SysUser": "api",
  "SysPwd": "pwd",
  "LoginName": "user",
  "YearMonth": "2018-03"
}
```

Output

```
{
  "Status": "OK",
  "Data": {
    "AvgRetainRawUncompressed": "2934857413",
    "AvgUploadRawSize": "14783430685",
    "AvgUploadNo": "45",
    "AvgTotalStorageNo": "464",
    "AvgDataUncompressed": "29.07G",
    "AvgDataNo": "445",
    "AvgTotalStorageSize": "19.69G",
    "YearMonth": "2018-03",
    "AvgUploadUncompressed": "22.12G",
    "AvgDataRawSize": "18212777351",
    "AvgUploadRawUncompressed": "23749526049",
    "AvgDataSize": "16.96G",
    "Storage": [
      {
        "UploadUncompressed": "31.99G",
        "DataUncompressed": "31.79G",
        "UploadNo": "38",
        "DataRawUncompressed": "34135821228",
        "TotalStorageSize": "19.69G",
        "DataRawSize": "21138502960",
        "UploadRawUncompressed": "34347048996",
        "UploadRawSize": "21172968400",
        "RetainSize": "319k", "RetainNo": "11",
        "UploadSize": "19.72G",
        "RetainRawUncompressed": "775828",
        "Date": "2018-03-01",
        "DestinationID": "",
        "TotalStorageNo": "467",
        "TotalStorageUncompressed": "31.79G",
        "RetainUncompressed": "757k",
        "DataSize": "19.69G",
        "TotalStorageRawUncompressed": "34136597056",
        "RetainRawSize": "327264",
        "TotalStorageRawSize": "21138830224",
        "DataNo": "456"
      },
      {
        "UploadUncompressed": "24.11G",
        "DataUncompressed": "31.79G",
        "UploadNo": "34",
        "DataRawUncompressed": "34135821228"
      }
    ]
  }
}
```

```

    "TotalStorageSize":"19.69G",
    "DataRawSize":"21138502960",
    "UploadRawUncompressed":"25888260644",
    "UploadRawSize":"17405569645",
    "RetainSize":"319k",
    "RetainNo":"11",
    "UploadSize":"16.21G",
    "RetainRawUncompressed":"775828",
    "Date":"2018-03-02",
    "DestinationID":"",
    "TotalStorageNo":"467",
    "TotalStorageUncompressed":"31.79G",
    "RetainUncompressed":"757k",
    "DataSize":"19.69G",
    "TotalStorageRawUncompressed":"34136597056",
    "RetainRawSize":"327264",
    "TotalStorageRawSize":"21138830224",
    "DataNo":"456"
},
{
    "UploadUncompressed":"24.11G",
    "DataUncompressed":"31.79G",
    "UploadNo":"34",
    "DataRawUncompressed":"34135821228",
    "TotalStorageSize":"19.69G",
    "DataRawSize":"21138502960",
    "UploadRawUncompressed":"25888260644",
    "UploadRawSize":"17405569645",
    "RetainSize":"319k",
    "RetainNo":"11","UploadSize":"16.21G",
    "RetainRawUncompressed":"775828",
    "Date":"2018-03-03",
    "DestinationID":"",
    "TotalStorageNo":"467",
    "TotalStorageUncompressed":"31.79G",
    "RetainUncompressed":"757k",
    "DataSize":"19.69G",
    "TotalStorageRawUncompressed":"34136597056",
    "RetainRawSize":"327264",
    "TotalStorageRawSize":"21138830224",
    "DataNo":"456"
},
{
    "UploadUncompressed":"24.11G",
    "DataUncompressed":"31.79G",
    "UploadNo":"34",
    "DataRawUncompressed":"34135821228",
    "TotalStorageSize":"19.69G",
    "DataRawSize":"21138502960",
    "UploadRawUncompressed":"25888260644",
    "UploadRawSize":"17405569645",
    "RetainSize":"319k",
    "RetainNo":"11",
    "UploadSize":"16.21G",
    "RetainRawUncompressed":"775828",
    "Date":"2018-03-04",
    "DestinationID":"",
    "TotalStorageNo":"467",
    "TotalStorageUncompressed":"31.79G",
    "RetainUncompressed":"757k",
    "DataSize":"19.69G",
    "TotalStorageRawUncompressed":"34136597056",
    "RetainRawSize":"327264",
    "TotalStorageRawSize":"21138830224",
    "DataNo":"456"
}
],
"AvgRetainUncompressed":"2.73G",
"AvgTotalStorageRawUncompressed":"34144010722",
"AvgTotalStorageRawSize":"21139974085",
"AvgTotalStorageUncompressed":"31.8G",

```

```

    "AvgDataRawUncompressed": "31209153309",
    "AvgRetainNo": "19",
    "AvgUploadSize": "13.77G",
    "AvgRetainRawSize": "2927196734",
    "AvgRetainSize": "2.73G" }
}

```

Input No storage log found

```
{
  "SysUser": "api",
  "SysPwd": "pwd",
  "LoginName": "user",
  "YearMonth": "2018-03"
}
```

Output

```
{
  "Status": "Error",
  "Message": "No storage log found",
  "ExptType": "com.ahsay.obs.core.dbs.c"
}
```

4.1.6 UpdateUserProfile

This API updates the information of a user profile.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore] > [User, Groups & Policies] > [Backup user] > username

v1 UpdateUserProfile.do

URL:		
http://BACKUP SERVER/obs/api/json/UpdateUserProfile.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role.
SysPwd	String	AhsayCBS's system users password with admin role.
LoginName	String	Client user name.
Owner	String	
Alias	String	
Status	String	SUSPENDED Default: ENABLE
Type	String	TRIAL or PAID. Default to TRIAL if not specified.
ClientType	String	ACB or OBM
Password	String	Password of the user account.
Language	String	Language used by the client user.
Notes	String	
Quota	Long	Units in bytes. Note: To utilize the new feature introduced with the Quota Management enhancement (e.g. individual quota for standard and predefined destination), patch the AhsayCBS server to version 7.15.6.0 or above, and then utilize the new version of UpdateUserProfile.do API (v2 UpdateUserProfile.do) instead.
DestinationQuotaList	JSON object	List of quota for predefined or standard backup destination. Note: Supported from AhsayCBS version 7.15.6.0 or above.
HostQuotaEnabled	Boolean	Enable / Disable Client host.

HostQuota	Long	Client host limit.
RunDirectQuotaEnabled	Boolean	
RunDirectQuota	Long	
ModuleSettings	JSON Object	
WindowsEventLogSettings	WindowsEvent LogSettings	
Contact	Array	If "AppendContact" is "Y", all contacts in the array will be appended to the contacts.
AppendContact	String	"Y" or "N" to modify an existing contact (retrieve the corresponding keys required with the GetUser.do API)
ChangeContact	String	"Y" or "N" to change and overwrite an existing (retrieve the corresponding keys required with the GetUser.do API)
OldContact	Array	Existing contacts. It is used if "ChangeContact" is "Y"
NewContact	Array	If "ChangeContact" is "Y", all contacts in OldContact will be updated with NewContact

JSON Objects:

ModuleSettings		
Key	Type	Descriptions
MSEExchangeMailboxBackupEnabled	Boolean	
MSEExchangeMailboxQuota	Long	
MSSQLBackupEnabled	Boolean	
MSEExchangeBackupEnabled	Boolean	
OracleBackupEnabled	Boolean	
LotusDominoBackupEnabled	Boolean	
LotusNotesBackupEnabled	Boolean	
MySQLBackupEnabled	Boolean	
InFileDeltaEnabled	Boolean	
ShadowCopyEnabled	Boolean	
NasClientEnabled	Boolean	
QnapEnabled	Boolean	For AhsayCBS version 7.17.0.0 or above
DeltaMergeEnabled	Boolean	
MSHyperVBackupEnabled	Boolean	
MSHyperVVMQuota	Long	
MSHyperVVMQuotaType	String	
VMwareBackupEnabled	Boolean	
VMwareVMQuota	Long	
VMwareVMQuotaType	String	
CDPEnabled	Boolean	
ShadowProtectBackupEnabled	Boolean	
MSWindowsSystemBackupEnabled	Boolean	
MSWindowsSystemStateBackupEnabled	Boolean	
EnableOffice365Mail	Boolean	
Office365MailQuota	Long	
EnableMobile	Boolean	
MobileQuota	Long	
EnableOpenDirect	Boolean	For AhsayCBS version 7.13.0.0 or above
OpenDirectQuota	String	For AhsayCBS version 7.13.0.0 or above
Contact		
Key	Type	Descriptions
Contact	String	
Email	String	
WindowsEventLogSettings		
Key	Type	Descriptions
Enabled	Boolean	
.LogError	Boolean	Log type
LogProfile	Boolean	Log option
LogServices	Boolean	Log option
LogUtilities	Boolean	Log option
LogBackup	Boolean	Log option
LogSoftwareUpdate	Boolean	Log option
LogReport	Boolean	Log option
LogLoginLogout	Boolean	Log option

LogInfo	Boolean	Log type
LogBuy	Boolean	
LogLicense	Boolean	
LogWarn	Boolean	Log type
LogRestore	Boolean	
DestinationQuotaList		
Key Type Descriptions		
Enabled	Boolean	Note: Supported from AhsayCBS version 7.15.6.0 or above.
Quota	Long	Quota of the backup destination, unit in byte. Note: Supported from AhsayCBS version 7.15.6.0 or above.
DestinationKey	String	ID of the backup destination. Note: Supported from AhsayCBS version 7.15.6.0 or above.
UserSuspendSettings		
Key Type Descriptions		
Enabled	Boolean	
Date	String	Date in Unix time.
KeyName	String	Enter the following as KeyName: com.ahsay.obx.cxp.obs.UserSuspendSettings
Return Values:		
Key Type Descriptions		
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input - Update old contacts		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"test", "ChangeContact":"Y", "OldContact":{ "ReadOnly":false, "Phone1": "", "EmailCertificate": "", "Website": "", "Phone2": "", "Name": "Name", "AllowMultiple": true, "Email": "Name@Name.com", "Address": "", "EncryptEmail": false, "Id": "1473221783291", "Company": "", "KeyName": "com.ahsay.obx.cxp.cloud.Contact"}], "NewContact":{ "ReadOnly":false, "Phone1": "", "EmailCertificate": "", "Website": "", "Phone2": "", "Name": "NewName", "AllowMultiple": true, "Email": "NewName@NewName.com", "Address": "", "EncryptEmail": false, "Id": "1473221783291", "Company": "", "KeyName": "com.ahsay.obx.cxp.cloud.Contact"}] }		
Output		
{"Status": "OK"}		

Input - Delete all contact
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"username", "AppendContact":"N", "Contact":[] }
Output
{"Status":"OK"}
Input - Change module settings
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "Password":"user_password", "ModuleSettings":{"MSEExchangeBackupEnabled":"true"} }
Output
{"Status":"OK"}
Input - Change subscription type to PAID and disable suspend at option
{ "SysUser":"system", "SysPwd":"system", "LoginName":"username", "Type":"PAID", "UserSuspendSettings":{ "Enabled":false, "Date": 2106396800000, "KeyName": "com.ahsay.obx.cxp.obs.UserSuspendSettings" }, }
Output
{"Status":"OK"}

v2 UpdateUser.do

To facilitate the Quota Management feature since AhsayCBS version 7.15.6.0, a new version of the UpdateUserProfile.do API (v2 UpdateUser.do) was introduced.

A new **QuotaList** JSON object (list of quota for multiple backup destinations) was introduced to replace the single **Quota** parameter.

While AhsayCBS version 7.15.6.0 or above is backward compatible with API calls in previous format (pre-7.15.6.0 API format), it is highly recommended to use the new version of the API instead (e.g. v2 UpdateUser.do).

Note: The name of the **UpdateUserProfile.do** API has changed to **UpdateUser.do**.

URL:		
http://BACKUP SERVER/obs/api/json/2/UpdateUser.do		
Available since version:		
7.15.6.0		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role.
SysPwd	String	AhsayCBS's system users password with admin role.
LoginName	String	Client user name.

Owner	String	
Alias	String	
Status	String	SUSPENDED Default: ENABLE
Type	String	TRIAL or PAID. Default to TRIAL if not specified.
ClientType	String	ACB or OBM
Password	String	Password of the user account.
Language	String	Language used by the client user.
Notes	String	
QuotaList	JSON object	
HostQuotaEnabled	Boolean	Enable / Disable Client host.
HostQuota	Long	Client host limit.
RunDirectQuotaEnabled	Boolean	
RunDirectQuota	Long	
ModuleSettings	JSON object	
WindowsEventLogSettings	WindowsEvent LogSettings	
Contact	Array	If "AppendContact" is "Y", all contacts in the array will be appended to the contacts.
AppendContact	String	"Y" or "N" to modify an existing contact (retrieve the corresponding keys required with the GetUser.do API)
ChangeContact	String	"Y" or "N" to change and overwrite an existing (retrieve the corresponding keys required with the GetUser.do API)
OldContact	Array	Existing contacts. It is used if "ChangeContact" is "Y"
NewContact	Array	If "ChangeContact" is "Y", all contacts in OldContact will be updated with NewContact

JSON Objects:

ModuleSettings		
Key	Type	Descriptions
MSEExchangeMailboxBackupEnabled	Boolean	
MSEMailboxQuota	Long	
MSSQLBackupEnabled	Boolean	
MSEExchangeBackupEnabled	Boolean	
OracleBackupEnabled	Boolean	
LotusDominoBackupEnabled	Boolean	
LotusNotesBackupEnabled	Boolean	
MySQLBackupEnabled	Boolean	
InFileDeltaEnabled	Boolean	
ShadowCopyEnabled	Boolean	
NasClientEnabled	Boolean	
QnapEnabled	Boolean	
DeltaMergeEnabled	Boolean	
MSHyperVBackupEnabled	Boolean	
MShyperVVMQuota	Long	
MShyperVVMQuotaType	String	
VMwareBackupEnabled	Boolean	
VMwareVMQuota	Long	
VMwareVMQuotaType	String	
CDPEnabled	Boolean	
ShadowProtectBackupEnabled	Boolean	
MSWindowsSystemBackupEnabled	Boolean	
MSWindowsSystemStateBackupEnabled	Boolean	
EnableOffice365Mail	Boolean	
Office365MailQuota	Long	
EnableMobile	Boolean	
MobileQuota	Long	
EnableOpenDirect	Boolean	Supported from AhsayCBS version 7.13.0.0 or above
OpenDirectQuota	String	Supported from AhsayCBS version 7.13.0.0 or above
Contact		
Key	Type	Descriptions
Contact	String	
Email	String	

WindowsEventLogSettings		
Key	Type	Descriptions
Enabled	Boolean	
.LogError	Boolean	Log type
LogProfile	Boolean	Log option
LogServices	Boolean	Log option
LogUtilities	Boolean	Log option
LogBackup	Boolean	Log option
LogSoftwareUpdate	Boolean	Log option
LogReport	Boolean	Log option
LogLoginLogout	Boolean	Log option
LogInfo	Boolean	Log type
LogBuy	Boolean	
LogLicense	Boolean	
LogWarn	Boolean	Log type
LogRestore	Boolean	
QuotaList		
Key	Type	Descriptions
Enabled	Boolean	
Quota	Long	Quota of the backup destination, unit in byte.
DestinationKey	String	Key of the backup destination.
UserSuspendSettings		
Key	Type	Descriptions
Enabled	Boolean	
Date	String	Date in Unix time.
KeyName	String	Enter the following as KeyName: com.ahsay.obx.cxp.obs.UserSuspendSettings
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input - Update quota setting		
<pre>{ "SysUser": "system", "SysPwd": "system", "LoginName": "username", "QuotaList": [{ "Enabled": true, "DestinationKey": "OBS", "Quota": 73400320 }] }</pre>		
Output		
{"Status": "OK"}		
Input - Delete all contact		
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "username", "AppendContact": "N", "Contact": [] }</pre>		
Output		
{"Status": "OK"}		
Input - Change module settings		
<pre>{ "SysUser": "api_user",</pre>		

	<pre> "SysPwd":"abc123\$%", "LoginName":"user", "QuotaList": [{ "Enabled":true, "DestinationKey":"OBS", "Quota":73210000, }] } </pre>
	Output
	{"Status":"OK"}
	Input - Change subscription type to PAID and disable suspend at option
	<pre> { "SysUser":"system", "SysPwd":"system", "LoginName":"username", "Type":"PAID", "UserSuspendSettings": { "Enabled": false, "Date": 2106396800000, "KeyName": "com.ahsay.obx.cxp.obs.UserSuspendSettings" }, } </pre>
	Output
	{"Status":"OK"}

4.1.7 AddContact

This API add a new contact information to a user.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore] > [User, Groups & Policies] > [Backup user] > username > [User Profile] > [Contact]

URL:	http://BACKUP_SERVER/obs/api/json/AddContact.do	
Available since version:	7.3	
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
Owner	String	
NewContact	JSON Object Contact	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Contact		
Key	Type	Descriptions
Name	String	
Email	String	

Example:**Input**

```
{
  "SysUser": "SysUser",
  "SysPwd": "SysPwd",
  "LoginName": "User",
  "NewContact": {"Name": "Name1", "Email": "test1@test.mail"}
}
```

Output

```
{
  "Status": "OK"
}
```

Output 2 duplicate contact name

```
{
  "Status": "Error",
  "Message": "Contact name is already in use.",
  "ExptType": "com.ahsay.obs.core.dbs.c"
}
```

4.1.8 AddUser

This API can be used to add new backup user.

The related settings can be found on the AhsayCBS web console:

- ➊ [Backup / Restore] > [User, Groups & Policies] > [Backup user]

v1 AddUser.do**URL:**

http://BACKUP_SERVER/obs/api/json/AddUser.do

Available since version:

7.3

Parameters:

	Key	Type	Descriptions
	SysUser	String	AhsayCBS's system users with admin role
	SysPwd	String	AhsayCBS's system users password with admin role
	LoginName	String	Client user name
	Owner	String	
	Password	String	
	Email	String	Contact Email
	Status	String	If this value is "SUSPENDED", the user is suspended. Otherwise, the user is enabled.
	ClientType	String	ACB or OBM
	Type	String	TRIAL or PAID. Default to TRIAL if not specified
	UserHome	String	Default to the first user home on your user home configuration if not specified. You can find the User home configuration in your CBS console: [Backup / Restore] > [Basic] > [User Home]
	MobileQuota	Long	AhsayMOB quota
	ExchangeMailboxQuota	Long	Exchange mail level backup quota Mandatory if the corresponding add on module is enabled (e.g. "ExchangeMailboxQuota" is mandatory if "EnableExchangeMailbox" is set to true)
	MsVmQuota	Long	Hyper-V VM backup quota

			Mandatory if the corresponding add on module is enabled (e.g. "MsVmQuota" is mandatory if "EnableMsVm" is set to true)
	MsVmQuotaType	String	<p>Available for AhsayCBS version 7.7 or above</p> <p>The value can be any one of the following:</p> <p>GUESTVM SOCKET</p> <p>Default value is GUESTVM if not provided</p>
	VmwareQuota	Long	<p>VMware VM backup quota</p> <p>Mandatory if the corresponding add on module is enabled (e.g. "VmwareQuota" is mandatory if "EnableVMware" is set to true)</p>
	VmwareQuotaType	String	<p>Available for AhsayCBS version 7.7 or above</p> <p>The value can be any one of the following:</p> <p>GUESTVM SOCKET</p> <p>Default value is GUESTVM if not provided</p>
	RunDirectQuotaEnabled	Boolean	
	RunDirectQuota	Long	<p>Run Direct maximum VM quota</p> <p>Mandatory if the RunDirect is enabled (e.g. "RunDirectQuota" is mandatory if "RunDirectQuotaEnabled" is set to true)</p>
	EnableOffice365Mail	Boolean	
	Office365MailQuota	Long	<p>Office 365 mail backup quota</p> <p>Mandatory if the corresponding add on module is enabled (e.g. "Office365MailQuota" is mandatory if "EnableOffice365Mail" is set to true)</p>
	Language	String	Language used by the user
	DisplayName	String	Alias and Contact name. You are highly recommended to fill this.
	Notes	String	
	Quota	String	<p>Unit in bytes.</p> <p>Note: To utilize the new feature introduced with the Quota Management enhancement (e.g. individual quota for standard and predefined destination), patch the AhsayCBS server to version 7.15.6.0 or above, and then utilize the new version of AddUser.do API (v2 AddUser.do) instead.</p>
	HostQuotaEnabled	Boolean	Enable /Client host
	HostQuota	Long	Client host limit
	EnableMobile	Boolean	
	EnableExchangeMailbox	Boolean	
	EnableMSSQL	Boolean	
	EnableMSExchange	Boolean	
	EnableOracle	Boolean	
	EnableLotusDomino	Boolean	
	EnableLotusNotes	Boolean	
	EnableMySQL	Boolean	
	EnableInFileDelta	Boolean	
	EnableShadowCopy	Boolean	
	EnableNASClient	Boolean	
	EnableQnap	Boolean	For AhsayCBS version 7.17.0.0 or above
	EnableMsVm	Boolean	
	EnableVMware	Boolean	
	EnableCDP	Boolean	
	EnableShadowProtectBareMetal	Boolean	
	EnableWinServer2008BareMetal	Boolean	Enable or disable Windows system back up
	EnableMsWinSysState	Boolean	Enable or disable Windows system state back up
	EnableOpenDirect	Boolean	For AhsayCBS version 7.13.0.0 or above
	OpenDirectQuota	String	For AhsayCBS version 7.13.0.0 or above

Return Values:

Key	Type	Descriptions
-----	------	--------------

	Status	String	"OK" or "Error"
	Message	String	Error message, it exists only if status is "Error"
	ExptType	String	The type of exception, it exists only if status is "Error"
Example:			
Input - Add OBM paid user with status enabled			
	<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "username", "Password": "Xyz567*", "Quota": "1073741824", "Email": "email_address@hostname", "Type": "Paid", "Status": "ENABLE", "ClientType": "OBM", "DisplayName": "David", "EnableOracle": "True", "EnableOffice365Mail": "True", "Office365MailQuota": "5" }</pre>		
Output			
	{"Status": "OK"}		
Output User name already in use			
	<pre>{ "Status": "Error", "Message": "Login Name 'username' is used", "ExptType": "com.ahsay.obs.core.dbs.c" }</pre>		
Input - Add ACB trial user with status suspended			
	<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "username", "Password": "Xyz567*", "Quota": "1073741824", "Email": "email_address@hostname", "Type": "Trial", "DisplayName": "Peter", "ClientType": "ACB", "Status": "SUSPENDED", "EnableOracle": "True", "EnableOffice365Mail": "True", "Office365MailQuota": "5" }</pre>		
Output			
	{"Status": "OK"}		
Output if username already in use			
	<pre>{ "Status": "Error", "Message": "Login Name 'username' is used", "ExptType": "com.ahsay.obs.core.dbs.c" }</pre>		

v2 AddUser.do

To facilitate the Quota Management feature since AhsayCBS version 7.15.6.0, a new version of the AddUser.do API (v2 AddUser.do) was introduced.

A new **QuotaList** JSON object (list of quota for multiple backup destinations) was introduced to replace the **Quota** parameter.

While AhsayCBS version 7.15.6.0 or above is backward compatible with API calls in previous format (pre-7.15.6.0 API format), it is highly recommended to use the new version of the API instead (e.g. v2 AddUser.do).

URL:			
http://BACKUP_SERVER/obs/api/json/2/AddUser.do			
Available since version:			
7.15.6.0			
Parameters:			
Key	Type	Descriptions	
SysUser	String	AhsayCBS's system users with admin role	
SysPwd	String	AhsayCBS's system users password with admin role	
LoginName	String	Client user name	
Owner	String		
Password	String		
Email	String	Contact Email	
Status	String	If this value is "SUSPENDED", the user is suspended. Otherwise, the user is enabled.	
ClientType	String	ACB or OBM	
Type	String	TRIAL or PAID. Default to TRIAL if not specified	
UserHome	String	Default to the first user home on your user home configuration if not specified. You can find the User home configuration in your CBS console: [Backup / Restore] > [Basic] > [User Home]	
MobileQuota	Long	AhsayMOB quota	
ExchangeMailboxQuota	Long	Exchange mail level backup quota Mandatory if the corresponding add on module is enabled (e.g. "ExchangeMailboxQuota" is mandatory if "EnableExchangeMailbox" is set to true)	
MsVmQuota	Long	Hyper-V VM backup quota Mandatory if the corresponding add on module is enabled (e.g. "MsVmQuota" is mandatory if "EnableMsVm" is set to true)	
MsVmQuotaType	String	Available for AhsayCBS version 7.7 or above The value can be any one of the following: GUESTVM SOCKET Default value is GUESTVM if not provided	
VmwareQuota	Long	VMware VM backup quota Mandatory if the corresponding add on module is enabled (e.g. "VmwareQuota" is mandatory if "EnableVMware" is set to true)	
VmwareQuotaType	String	Available for AhsayCBS version 7.7 or above The value can be any one of the following: GUESTVM SOCKET Default value is GUESTVM if not provided	
RunDirectQuotaEnabled	Boolean		
RunDirectQuota	Long	Run Direct maximum VM quota Mandatory if the RunDirect is enabled (e.g. "RunDirectQuota" is mandatory if "RunDirectQuotaEnabled" is set to true)	
EnableOffice365Mail	Boolean		
Office365MailQuota	Long	Office 365 mail backup quota Mandatory if the corresponding add on module is enabled (e.g. "Office365MailQuota" is mandatory if "EnableOffice365Mail" is set to true)	

Language	String	Language used by the user
DisplayName	String	Alias and Contact name. You are highly recommended to fill this.
Notes	String	
HostQuotaEnabled	Boolean	Enable /Client host
HostQuota	Long	Client host limit
EnableMobile	Boolean	
EnableExchangeMailbox	Boolean	
EnableMSSQL	Boolean	
EnableMSExchange	Boolean	
EnableOracle	Boolean	
EnableLotusDomino	Boolean	
EnableLotusNotes	Boolean	
EnableMySQL	Boolean	
EnableInFileDelta	Boolean	
EnableShadowCopy	Boolean	
EnableNASClient	Boolean	
EnableQnap	Boolean	
EnableMsVm	Boolean	
EnableVMware	Boolean	
EnableCDP	Boolean	
EnableShadowProtectBareMetal	Boolean	
EnableWinServer2008BareMetal	Boolean	Enable or disable Windows system back up
EnableMsWinSysState	Boolean	Enable or disable Windows system state back up
EnableOpenDirect	Boolean	Supported from AhsayCBS version 7.13.0.0 or above
OpenDirectQuota	String	Supported from AhsayCBS version 7.13.0.0 or above

QuotaList

Key	Type	Descriptions
Enabled	Boolean	true / false
DestinationKey	String	ID of the predefined destination, or "OBS" for quota on AhsayCBS
Quota	Long	Unit in bytes

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

Example:

Input - Add OBM paid user with AhsayCBS quota 50 GB and predefined destination quota 50 GB
{ "SysUser":"system", "SysPwd":"system", "LoginName":"username", "Password":"123456", "Email":"email_address@server.com", "Type":"Paid", "Status":"ENABLE", "ClientType":"OBM", "QuotaList": [{ "Enabled": true, "DestinationKey": "OBS", "Quota": 53687091200 }, { "Enabled": true, "DestinationKey": "-1526366187317", "Quota": 53687091200 }] }
Output
{"Status":"OK"}
Output if destination is not visible to user

	<pre>{ "Status": "Error", "Destination '-1526366187317' is not visible to user 'username' according to policy's [Destinations Visible to Users] settings.", "ExptType": "java.lang.Exception" }</pre>
	Output if the Enable parameter is missing from a destination in the QuotaList
	<pre>{ "Status": "Error", "Message": "Value 'Enabled' is missing in item '-1526366187317' of 'QuotaList'.", "ExptType": "java.lang.Exception" }</pre>
	Output if the Enable parameter is invalid for a destination in the QuotaList
	<pre>{ "Status": "Error", "Message": "Invalid 'Enabled' in item '-1526366187317' of 'QuotaList'.", "ExptType": "java.lang.Exception" }</pre>
	Output if a destination is duplicated in the QuotaList
	<pre>{ "Status": "Error", "Message": "Duplicated DestinationKey (OBS) are not allowed in QuotaList.", "ExptType": "java.lang.Exception" }</pre>
	Output if the Quota value for a destination is invalid (e.g. negative number)
	<pre>{ "Status": "Error", "Message": "Invalid value 'Quota' for item '-1526366187317' of 'QuotaList'. Error: Must be a positive number.", "ExptType": "java.lang.Exception" }</pre>
	Output if the Quota value for a destination is invalid
	<pre>{ "Status": "Error", "Message": "Invalid value 'Quota' for item '-1526366187317' of 'QuotaList'. Error: JSONObject[\"Quota\"] is not a long.", "ExptType": "java.lang.Exception" }</pre>

4.1.9 GetUser

This API can be used to retrieve information of a backup user.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup / Restore] > [User, Groups & Policies] > [Backup user] > Choose a user

v1 GetUser.do

URL:		
http://BACKUP_SERVER/obs/api/json/GetUser.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
Owner	String	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"

Data	JSON Object	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

JSON Objects:

User		
Key	Type	Descriptions
LoginName	String	Client user name
Owner	String	
Password	String	Hashed password
Status	String	Suspended or enabled
Type	String	TRIAL or PAID. Default to TRIAL if not specified
ClientType	String	ACB or OBM
HomeDir	String	User home
WindowsEventLogSettings	JSON Object	
SuspendPaidUserDate	String	
HostQuota	Long	Client host limit
Language	String	
Timezone	String	String of timezone, refer to Appendix for string
Notes	String	
Quota	Long	
Bandwidth	Long	
RegistrationDate	Long	Timestamp of registration date
ModuleSettings	JSON Object	
ModuleSettings		
Key	Type	Descriptions
MsexchangeMailboxBackupEnabled	Boolean	
MsexchangeDAGServerQuota	Long	
MssqlBackupEnabled	Boolean	
MsexchangeBackupEnabled	Boolean	
OracleBackupEnabled	Boolean	
LotusDominoBackupEnabled	Boolean	
LotusNotesBackupEnabled	Boolean	
MySQLBackupEnabled	Boolean	
InFileDeltaEnabled	Boolean	
ShadowCopyEnabled	Boolean	
NasClientEnabled	Boolean	
QnapEnabled	Boolean	For AhsayCBS version 7.17.0.0 or above
DeltaMergeEnabled	Boolean	
MshyperVBackupEnabled	Boolean	
OpenDirectEnbaled	Boolean	
MSHyperVVMQuota	Long	
MSHyperVVMQuotaType	String	For AhsayCBS version pre-7.17.0.0 MshypervVMQuotaType For AhsayCBS version 7.17.0.0 or above MSHyperVVMQuotaType Note that there is a different in the letter case.
VmwareBackupEnabled	Boolean	
VmwareVMQuota	Long	
VmwareVMQuotaType	String	
RunDirectQuota	Long	
Cdpenabled	Boolean	
ShadowProtectBackupEnabled	Boolean	
MswindowsSystemBackupEnabled	Boolean	
MswindowsSystemStateBackupEnabled	Boolean	
EnableOffice365Mail	Boolean	
Office365MailQuota	Long	
MobileQuota	Long	
OpenDirectQuota	String	
WindowsEventLogSettings		
Key	Type	Descriptions
Enabled	Boolean	
.LogError	Boolean	
LogProfile	Boolean	

LogServices	Boolean
LogUtilities	Boolean
LogBackup	Boolean
.LogError	Boolean
LogSoftwareUpdate	Boolean
LogReport	Boolean
LogLoginLogout	Boolean
LogInfo	Boolean
LogBuy	Boolean
LogLicense	Boolean
LogWarn	Boolean
LogRestore	Boolean

Example:

Input

```
{
  "SysUser": "api_user",
  "SysPwd": "abc123$%",
  "LoginName": "username"
}
```

Output

```
{
  "Status": "OK",
  "Data": {
    "ReadOnly": false,
    "Updated": false,
    "ProxySettings": {
      "ReadOnly": false,
      "Enabled": false,
      "AllowMultiple": false,
      "Port": "",
      "Host": "",
      "Type": "",
      "Password": "",
      "Username": "",
      "Id": "",
      "KeyName": "com.ahsay.obx.cxp.cloud.ProxySettings"
    },
    "ComputerNameDirList": [
      "/usr/local/cbs_7_12.4/user/opendirect/db/ClientLogs/00-50-56-C0-00-01-Administrator"
    ],
    "PreV7": false,
    "HashedPassword": true,
    "Dagbset": [],
    "LdapSettings": {
      "ReadOnly": false,
      "LastDisableTime": -1,
      "AllowMultiple": false,
      "FirstAuthFailureTime": -1,
      "Id": "",
      "LdapUser": false,
      "LastDeleteTime": -1,
      "KeyName": "com.ahsay.obx.cxp.obs.LdapSettings"
    },
    "BsetOwnerCount": 1,
    "Quota": 1073741824,
    "SavePassword": false,
    "DoubleEncodedName": "opendirect",
    "SimpleQuotaSize": 1073741824,
    "SecurityIdentifier": "S-1-5-21-2527513556-2540860317-3670937648-500",
    "Timezone": "1097",
    "NewBSetName": "BackupSet-1",
    "Bandwidth": 0,
    "Office365MailQuota": 0,
    "ImportDate": 0,
    "ForgotPasswordSettings": {
      "ReadOnly": false,
      "AllowMultiple": false,
      "Id": "",
      "Token": ""
    }
  }
}
```

```

    "RequestTime": -1,
    "KeyName": "com.ahsay.obx.cxp.obs.ForgotPasswordSettings",
    "ResetTime": -1
},
"AccessToken": "D4A0E4D832B74E9694C9B83012AB1243C842E0F4E6CC4947A7B7A7326FF509F6",
"SuspendPaidUserData": "20170716",
"HostQuota": 1,
"GroupPolicySettings": {
    "ReadOnly": false,
    "GroupQuota": 0,
    "AllowMultiple": false,
    "UsedGroupQuota": 0,
    "FileSizeLimit": 0,
    "Id": "",
    "UserGroupIDList": [
        "1"
    ],
    "ExcludeNetworkShare": false,
    "KeyName": "com.ahsay.obx.cxp.obs.GroupPolicySettings"
},
"Notes": "",
"HostCount": 1,
"RegistrationDate": 1497578979897,
"ClientRunVersion": "7.12.4.0",
"UserLockSettings": {
    "ReadOnly": false,
    "AllowMultiple": false,
    "LoginFailureCount": 0,
    "LastFailureTime": -1,
    "Id": "",
    "LockedTime": -1,
    "KeyName": "com.ahsay.obx.cxp.obs.UserLockSettings"
},
"EmailReportSettings": {
    "ReadOnly": false,
    "Enabled": false,
    "SendMissedBkpRpt": false,
    "SmtpAuthPwd": "",
    "SmtpAuthUser": "",
    "ReportSenderEmail": "",
    "SmtpPort": "",
    "SendStorageAlert": false,
    "Usage": 0,
    "SendBkpRpt": false,
    "AllowMultiple": false,
    "Email": "",
    "SendBkpRptMode": "",
    "Id": "",
    "SmtpHostName": "",
    "MissedBkpInterval": 0,
    "KeyName": "com.ahsay.obx.cxp.cloud.EmailReportSettings"
},
"DestinationQuotaList": [
{
    "ReadOnly": false,
    "Enabled": false,
    "Attributes": [],
    "ValueSize": 3,
    "AttributeSize": 0,
    "NestedValues": [],
    "SubKeySize": 0,
    "DestinationKey": "OBS",
    "Priority": -1,
    "Quota": 0,
    "AllowMultiple": true,
    "SubKeys": [],
    "InheritParentAttrbs": false,
    "Content": "",
    "KeyName": "com.ahsay.obx.cxp.obs.DestinationQuotaBean"
}
],

```

```

    "Id": "1497578979898",
    "Locked": false,
    "HostQuotaEnabled": false,
    "TotalStatistics": {
        "D": 0,
        "E": 0,
        "F": 0,
        "A": 55920393,
        "B": 55920392,
        "C": 23
    },
    "ClientType": "OBM",
    "V6File": "/usr/local/cbs_7_12.4/user/opendirect/db/Profile.xml",
    "MailboxUsage": 0,
    "Type": "TRIAL",
    "Password": "ANBTv6/OToWAu38et4QF7roFCESDUckB9qXb+iyiayk=",
    "LongLoginName": "opendirect",
    "UploadEncryptionKey": true,
    "LastShowingLicViolationTime": -1,
    "LastLoginTime": 1497788107994,
    "HostInfo": "{\"Hosts\":[{\"CPUSocketNum\":2,\"Hostname\":\"VMwks10-w81\"}]}",
    "PasswordHistory": {
        "ReadOnly": false,
        "AllowMultiple": false,
        "HistoryList": [
            {
                "ReadOnly": false,
                "Attributes": [],
                "ValueSize": 2,
                "AttributeSize": 0,
                "NestedValues": [],
                "SubKeySize": 0,
                "Password": "ANBTv6/OToWAu38et4QF7roFCESDUckB9qXb+iyiayk=",
                "Priority": -1,
                "AllowMultiple": true,
                "SubKeys": [],
                "LastDisabledTime": -1,
                "InheritParentAttrbs": false,
                "Content": "",
                "KeyName": "com.ahsay.obx.cxp.cloud.HistoryBean"
            }
        ],
        "PasswordLastModifiedTime": 1497578979897,
        "Id": "",
        "KeyName": "com.ahsay.obx.cxp.cloud.PasswordHistory"
    },
    "FullName": null,
    "SoftwareUpdateSettings": {
        "ReadOnly": false,
        "Enabled": true,
        "AllowMultiple": false,
        "Id": "",
        "KeyName": "com.ahsay.obx.cxp.cloud.SoftwareUpdateSettings"
    },
    "Hostname": "",
    "Office365MailEnabled": false,
    "HomeDir": "/usr/local/cbs_7_12.4/user/opendirect",
    "RoutineJobSettings": {
        "ReadOnly": false,
        "AllowMultiple": false,
        "QuotaRemindPercentage": 0,
        "InactiveReportLastSentTime": -1,
        "Id": "",
        "KeyName": "com.ahsay.obx.cxp.obs.RoutineJobSettings"
    },
    "Owner": "",
    "ModuleSettings": {
        "ReadOnly": false,
        "VMwareBackupEnabled": false,
        "ShadowCopyEnabled": false,
        "MSHyperVVMQuota": 0
    }
}

```

```

    "LotusDominoBackupEnabled": false,
    "VMwareVMQuota": 0,
    "MSEExchangeDAGServerQuota": 0,
    "Office365SharePointEnabled": false,
    "MSEMailboxQuota": 0,
    "MSHyperVBackupEnabled": false,
    "OracleBackupEnabled": false,
    "Office365MailEnabled": false,
    "Office365MailQuota": 0,
    "OpenDirectEnabled": true,
    "InFileDeltaEnabled": false,
    "VMwareVMQuotaType": "GUESTVM",
    "MobileQuota": 0,
    "MSSQLBackupEnabled": false,
    "MSWindowsSystemStateBackupEnabled": false,
    "OpenDirectQuota": 1,
    "MSEExchangeMailboxBackupEnabled": false,
    "AllowMultiple": false,
    "LotusNotesBackupEnabled": false,
    "MySQLBackupEnabled": false,
    "ShadowProtectBackupEnabled": false,
    "MSHyperVVMQuotaType": "GUESTVM",
    "Office365SharePointQuota": 0,
    "MSEExchangeBackupEnabled": false,
    "Id": "",
    "CDPEnabled": false,
    "MobileEnabled": false,
    "MSWindowsSystemBackupEnabled": false,
    "NasClientEnabled": false,
    "QnapEnabled": false,
    "KeyName": "com.ahsay.obx.cxp.cloud.ModuleSettings",
    "DeltaMergeEnabled": false
},
"EncodedName": "opendirect",
"File": "/usr/local/cbs_7_12.4/conf/users.xml",
"ServerSettings": null,
"RunDirectQuota": 1,
"UserId": "opendirect",
"HostSet": [
    "vmwks10-w81"
],
"Name": "opendirect",
"ContactList": [],
"Status": "ENABLE",
"TrialDays": 2592000000,
"AllowMultiple": true,
"UserSuspendSettings": {
    "ReadOnly": false,
    "Enabled": true,
    "AllowMultiple": false,
    "Date": 1500170979897,
    "Id": "",
    "KeyName": "com.ahsay.obx.cxp.obs.UserSuspendSettings"
},
"Alias": "",
"RunDirectQuotaEnabled": false,
"AdGroups": [],
"Language": "en",
"AdGroup": "",
"WindowsEventLogSettings": {
    "ReadOnly": false,
    "Enabled": false,
    ".LogError": false,
    "LogProfile": false,
    "LogServices": false,
    "LogUtilities": false,
    "LogBackup": false,
    "LogReport": false,
    "LogSoftwareUpdate": false,
    "LogInfo": false,
    "LogLoginLogout": false
}

```

```

        "LogBuy": false,
        "AllowMultiple": false,
        "LogLicense": false,
        "LogWarn": false,
        "Id": "",
        "LogRestore": false,
        "KeyName": "com.ahsay.obx.cxp.cloud.WindowsEventLogSettings"
    },
    "LastModified": 1497578442000,
    "KeyName": "com.ahsay.obx.cxp.cloud.User"
}
}

```

v2 GetUser.do

To facilitate the Quota Management feature since AhsayCBS version 7.15.6.0, a new version of the GetUser.do API (v2 GetUser.do) was introduced.

A new **QuotaList** JSON object (list of quota for multiple backup destinations) was introduced to replace the **Quota** parameter.

While AhsayCBS version 7.15.6.0 or above is backward compatible with API calls in previous format (v1 format), it is highly recommended to use the new version of the API instead (e.g. v2 GetUser.do).

URL:	http://BACKUP_SERVER/obs/api/json/2/GetUser.do																																																													
Available since version:	7.15.6.0																																																													
Parameters:																																																														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td>Owner</td><td>String</td><td></td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	Client user name	Owner	String																																														
Key	Type	Descriptions																																																												
SysUser	String	AhsayCBS's system users with admin role																																																												
SysPwd	String	AhsayCBS's system users password with admin role																																																												
LoginName	String	Client user name																																																												
Owner	String																																																													
Return Values:																																																														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Data</td><td>JSON Object</td><td></td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Data	JSON Object		Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"																																													
Key	Type	Descriptions																																																												
Status	String	"OK" or "Error"																																																												
Data	JSON Object																																																													
Message	String	Error message, it exists only if status is "Error"																																																												
ExptType	String	The type of exception, it exists only if status is "Error"																																																												
JSON Objects:																																																														
<table border="1"> <thead> <tr> <th>User</th><th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td></td><td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td></td><td>Owner</td><td>String</td><td></td></tr> <tr> <td></td><td>Password</td><td>String</td><td>Hashed password</td></tr> <tr> <td></td><td>Status</td><td>String</td><td>Suspended or enabled</td></tr> <tr> <td></td><td>Type</td><td>String</td><td>TRIAL or PAID. Default to TRIAL if not specified</td></tr> <tr> <td></td><td>ClientType</td><td>String</td><td>ACB or OBM</td></tr> <tr> <td></td><td>HomeDir</td><td>String</td><td>User home</td></tr> <tr> <td></td><td>WindowsEventLogSettings</td><td>JSON Object</td><td></td></tr> <tr> <td></td><td>SuspendPaidUserData</td><td>String</td><td></td></tr> <tr> <td></td><td>HostQuota</td><td>Long</td><td>Client host limit</td></tr> <tr> <td></td><td>Language</td><td>String</td><td></td></tr> <tr> <td></td><td>Timezone</td><td>String</td><td>String of timezone, refer to Appendix for string</td></tr> <tr> <td></td><td>Notes</td><td>String</td><td></td></tr> <tr> <td></td><td>Bandwidth</td><td>Long</td><td></td></tr> </tbody> </table>			User	Key	Type	Descriptions		LoginName	String	Client user name		Owner	String			Password	String	Hashed password		Status	String	Suspended or enabled		Type	String	TRIAL or PAID. Default to TRIAL if not specified		ClientType	String	ACB or OBM		HomeDir	String	User home		WindowsEventLogSettings	JSON Object			SuspendPaidUserData	String			HostQuota	Long	Client host limit		Language	String			Timezone	String	String of timezone, refer to Appendix for string		Notes	String			Bandwidth	Long	
User	Key	Type	Descriptions																																																											
	LoginName	String	Client user name																																																											
	Owner	String																																																												
	Password	String	Hashed password																																																											
	Status	String	Suspended or enabled																																																											
	Type	String	TRIAL or PAID. Default to TRIAL if not specified																																																											
	ClientType	String	ACB or OBM																																																											
	HomeDir	String	User home																																																											
	WindowsEventLogSettings	JSON Object																																																												
	SuspendPaidUserData	String																																																												
	HostQuota	Long	Client host limit																																																											
	Language	String																																																												
	Timezone	String	String of timezone, refer to Appendix for string																																																											
	Notes	String																																																												
	Bandwidth	Long																																																												

RegistrationDate	Long	Timestamp of registration date
ModuleSettings	JSON Object	
QuotaList		
Key	Type	Descriptions
Enabled	Boolean	true / false
DestinationName	String	Name of the backup destination
DestinationKey	String	ID of the backup destination, or "OBS" for quota on AhsayCBS
Quota	Long	
ModuleSettings		
Key	Type	Descriptions
MsexchangeMailboxBackupEnabled	Boolean	
MsexchangeDAGServerQuota	Long	
MssqlbackupEnabled	Boolean	
MsexchangeBackupEnabled	Boolean	
OracleBackupEnabled	Boolean	
LotusDominoBackupEnabled	Boolean	
LotusNotesBackupEnabled	Boolean	
MySQLBackupEnabled	Boolean	
InFileDeltaEnabled	Boolean	
ShadowCopyEnabled	Boolean	
NasClientEnabled	Boolean	
QnapEnabled	Boolean	For AhsayCBS version 7.17.0.0 or above
DeltaMergeEnabled	Boolean	
MshyperVBackupEnabled	Boolean	
OpenDirectEnbaled	Boolean	
MSHyperVVMQuota	Long	
MSHyperVVMQuotaType	String	For AhsayCBS version pre-7.17.0.0 MshypervVMQuotaType For AhsayCBS version 7.17.0.0 or above MSHyperVVMQuotaType Note that there is a different in the letter case.
VmwareBackupEnabled	Boolean	
VmwareVMQuota	Long	
VmwareVMQuotaType	String	
RunDirectQuota	Long	
Cdpenabled	Boolean	
ShadowProtectBackupEnabled	Boolean	
MswindowsSystemBackupEnabled	Boolean	
MswindowsSystemStateBackupEnabled	Boolean	
EnableOffice365Mail	Boolean	
Office365MailQuota	Long	
MobileQuota	Long	
OpenDirectQuota	String	
WindowsEventLogSettings		
Key	Type	Descriptions
Enabled	Boolean	
LogError	Boolean	
LogProfile	Boolean	
LogServices	Boolean	
LogUtilities	Boolean	
LogBackup	Boolean	
LogError	Boolean	
LogSoftwareUpdate	Boolean	
LogReport	Boolean	
LogLoginLogout	Boolean	
LogInfo	Boolean	
LogBuy	Boolean	
LogLicense	Boolean	
LogWarn	Boolean	
LogRestore	Boolean	

Example:

Input

```
{  
    "SysUser": "api_user",  
    "SysPwd": "abc123$%",  
    "LoginName": "username"  
}
```

Output

```
{  
    "Status": "OK",  
    "Data": {  
        "ReadOnly": false,  
        "Updated": false,  
        "ProxySettings": {  
            "ReadOnly": false,  
            "Enabled": false,  
            "AllowMultiple": false,  
            "Port": "",  
            "Host": "",  
            "Type": "",  
            "Password": "",  
            "Username": "",  
            "Id": "",  
            "KeyName": "com.ahsay.obx.cxp.cloud.ProxySettings"  
        },  
        "ComputerNameDirList": [  
            "/usr/local/cbs_7_12.4/user/opendirect/db/ClientLogs/00-50-56-C0-00-01-Administrator"  
        ],  
        "QuotaList": [  
            {  
                "Enabled": true,  
                "Quota": 53687091200,  
                "DestinationKey": "GDrive#16179501659537152591"  
            },  
            {  
                "Enabled": true,  
                "Quota": 53687091200,  
                "DestinationName": "AhsayCBS",  
                "DestinationKey": "OBS"  
            },  
            {  
                "Enabled": true,  
                "Quota": 53687091200,  
                "DestinationName": "Predefine 1",  
                "DestinationKey": "-1526366187317"  
            },  
            {  
                "Enabled": false,  
                "Quota": 0,  
                "DestinationName": "AhsayCBS",  
                "DestinationKey": "-1518496023533"  
            }  
        ]  
        "PreV7": false,  
        "HashedPassword": true,  
        "Dagbset": [],  
        "LdapSettings": {  
            "ReadOnly": false,  
            "LastDisableTime": -1,  
            "AllowMultiple": false,  
            "FirstAuthFailureTime": -1,  
            "Id": "",  
            "LdapUser": false,  
            "LastDeleteTime": -1,  
            "KeyName": "com.ahsay.obx.cxp.obs.LdapSettings"  
        },  
        "BsetOwnerCount": 1,  
        "Quota": 1073741824,  
        "SavePassword": false,  
        "DoubleEncodedName": "opendirect",  
        "SimpleQuotaSize": 1073741824,  
    }  
}
```

```

"SecurityIdentifier": "S-1-5-21-2527513556-2540860317-3670937648-500",
"Timezone": "1097",
"NewBSetName": "BackupSet-1",
"Bandwidth": 0,
"Office365MailQuota": 0,
"ImportDate": 0,
"ForgotPasswordSettings": {
    "ReadOnly": false,
    "AllowMultiple": false,
    "Id": "",
    "Token": "",
    "RequestTime": -1,
    "KeyName": "com.ahsay.obx.cxp.obs.ForgotPasswordSettings",
    "ResetTime": -1
},
"AccessToken": "D4A0E4D832B74E9694C9B83012AB1243C842E0F4E6CC4947A7B7A7326FF509F6",
"SuspendPaidUserDate": "20170716",
"HostQuota": 1,
"GroupPolicySettings": {
    "ReadOnly": false,
    "GroupQuota": 0,
    "AllowMultiple": false,
    "UsedGroupQuota": 0,
    "FileSizeLimit": 0,
    "Id": "",
    "UserGroupIDList": [
        "1"
    ],
    "ExcludeNetworkShare": false,
    "KeyName": "com.ahsay.obx.cxp.obs.GroupPolicySettings"
},
"Notes": "",
"HostCount": 1,
"RegistrationDate": 1497578979897,
"ClientRunVersion": "7.12.4.0",
"UserLockSettings": {
    "ReadOnly": false,
    "AllowMultiple": false,
    "LoginFailureCount": 0,
    "LastFailureTime": -1,
    "Id": "",
    "LockedTime": -1,
    "KeyName": "com.ahsay.obx.cxp.obs.UserLockSettings"
},
"EmailReportSettings": {
    "ReadOnly": false,
    "Enabled": false,
    "SendMissedBkpRpt": false,
    "SmtpAuthPwd": "",
    "SmtpAuthUser": "",
    "ReportSenderEmail": "",
    "SmtpPort": "",
    "SendStorageAlert": false,
    "Usage": 0,
    "SendBkpRpt": false,
    "AllowMultiple": false,
    "Email": "",
    "SendBkpRptMode": "",
    "Id": "",
    "SmtpHostName": "",
    "MissedBkpInterval": 0,
    "KeyName": "com.ahsay.obx.cxp.cloud.EmailReportSettings"
},
"DestinationQuotaList": [
{
    "ReadOnly": false,
    "Enabled": false,
    "Attributes": [],
    "ValueSize": 3,
    "AttributeSize": 0,
    "NestedValues": []
}
]

```

```

        "SubKeySize": 0,
        "DestinationKey": "OBS",
        "Priority": -1,
        "Quota": 0,
        "AllowMultiple": true,
        "SubKeys": [],
        "InheritParentAttribs": false,
        "Content": "",
        "KeyName": "com.ahsay.obx.cxp.obs.DestinationQuotaBean"
    }
],
{
    "Id": "1497578979898",
    "Locked": false,
    "HostQuotaEnabled": false,
    "TotalStatistics": {
        "D": 0,
        "E": 0,
        "F": 0,
        "A": 55920393,
        "B": 55920392,
        "C": 23
    },
    "ClientType": "OBM",
    "V6File": "/usr/local/cbs_7_12.4/user/opendirect/db/Profile.xml",
    "MailboxUsage": 0,
    "Type": "TRIAL",
    "Password": "ANBTv6/OToWAu38et4QF7roFCESDUckB9qXb+iyiayk=",
    "LongLoginName": "opendirect",
    "UploadEncryptionKey": true,
    "LastShowingLicViolationTime": -1,
    "LastLoginTime": 1497788107994,
    "HostInfo": "{\"Hosts\":[{\"CPUSocketNum\":2,\"Hostname\":\"VMwks10-w81\"}]}",
    "PasswordHistory": {
        "ReadOnly": false,
        "AllowMultiple": false,
        "HistoryList": [
            {
                "ReadOnly": false,
                "Attributes": [],
                "ValueSize": 2,
                "AttributeSize": 0,
                "NestedValues": [],
                "SubKeySize": 0,
                "Password": "ANBTv6/OToWAu38et4QF7roFCESDUckB9qXb+iyiayk=",
                "Priority": -1,
                "AllowMultiple": true,
                "SubKeys": [],
                "LastDisabledTime": -1,
                "InheritParentAttribs": false,
                "Content": "",
                "KeyName": "com.ahsay.obx.cxp.cloud.HistoryBean"
            }
        ],
        "PasswordLastModifiedTime": 1497578979897,
        "Id": "",
        "KeyName": "com.ahsay.obx.cxp.cloud.PasswordHistory"
    },
    "FullName": null,
    "SoftwareUpdateSettings": {
        "ReadOnly": false,
        "Enabled": true,
        "AllowMultiple": false,
        "Id": "",
        "KeyName": "com.ahsay.obx.cxp.cloud.SoftwareUpdateSettings"
    },
    "Hostname": "",
    "Office365MailEnabled": false,
    "HomeDir": "/usr/local/cbs_7_12.4/user/opendirect",
    "RoutineJobSettings": {
        "ReadOnly": false,
        "AllowMultiple": false,

```

```

        "QuotaRemindPercentage": 0,
        "InactiveReportLastSentTime": -1,
        "Id": "",
        "KeyName": "com.ahsay.obx.cxp.obs.RoutineJobSettings"
    },
    "Owner": "",
    "ModuleSettings": {
        "ReadOnly": false,
        "VMwareBackupEnabled": false,
        "ShadowCopyEnabled": false,
        "MSHyperVVMQuota": 0,
        "LotusDominoBackupEnabled": false,
        "VMwareVMQuota": 0,
        "MSExchangeDAGServerQuota": 0,
        "Office365SharePointEnabled": false,
        "MSExMailboxQuota": 0,
        "MSHyperVBackupEnabled": false,
        "OracleBackupEnabled": false,
        "Office365MailEnabled": false,
        "Office365MailQuota": 0,
        "OpenDirectEnabled": true,
        "InFileDeltaEnabled": false,
        "VMwareVMQuotaType": "GUESTVM",
        "MobileQuota": 0,
        "MSSQLBackupEnabled": false,
        "MSWindowsSystemStateBackupEnabled": false,
        "OpenDirectQuota": 1,
        "MSExchangeMailboxBackupEnabled": false,
        "AllowMultiple": false,
        "LotusNotesBackupEnabled": false,
        "MySQLBackupEnabled": false,
        "ShadowProtectBackupEnabled": false,
        "MSHyperVVMQuotaType": "GUESTVM",
        "Office365SharePointQuota": 0,
        "MSExchangeBackupEnabled": false,
        "Id": "",
        "CDPEnabled": false,
        "MobileEnabled": false,
        "MSWindowsSystemBackupEnabled": false,
        "NasClientEnabled": false,
        "QnapEnabled": false,
        "KeyName": "com.ahsay.obx.cxp.cloud.ModuleSettings",
        "DeltaMergeEnabled": false
    },
    "EncodedName": "opendirect",
    "File": "/usr/local/cbs_7_12.4/conf/users.xml",
    "ServerSettings": null,
    "RunDirectQuota": 1,
    "UserId": "opendirect",
    "HostSet": [
        "vmwks10-w81"
    ],
    "Name": "opendirect",
    "ContactList": [],
    "Status": "ENABLE",
    "TrialDays": 2592000000,
    "AllowMultiple": true,
    "UserSuspendSettings": {
        "ReadOnly": false,
        "Enabled": true,
        "AllowMultiple": false,
        "Date": 1500170979897,
        "Id": "",
        "KeyName": "com.ahsay.obx.cxp.obs.UserSuspendSettings"
    },
    "Alias": "",
    "RunDirectQuotaEnabled": false,
    "AdGroups": [],
    "Language": "en",
    "AdGroup": "",
    "WindowsEventLogSettings": {

```

```

    "ReadOnly": false,
    "Enabled": false,
    "LogError": false,
    "LogProfile": false,
    "LogServices": false,
    "LogUtilities": false,
    "LogBackup": false,
    "LogReport": false,
    "LogSoftwareUpdate": false,
    "LogInfo": false,
    "LogLoginLogout": false,
    "LogBuy": false,
    "AllowMultiple": false,
    "LogLicense": false,
    "LogWarn": false,
    "Id": "",
    "LogRestore": false,
    "KeyName": "com.ahsay.obx.cxp.cloud.WindowsEventLogSettings"
},
"LastModified": 1497578442000,
"KeyName": "com.ahsay.obx.cxp.cloud.User"
}
}

```

4.1.10 ModifyUserStatus

This API can be used to modify a user account status to either enable or suspended. It cannot be used for trial user accounts which are suspended after they have exceeded the trial period.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup / Restore] > [User, Groups & Policies] > [Backup user] > Choose a user > [User Profile] > [General]

URL:	http://BACKUP_SERVER/obs/api/json/ModifyUserStatus.do	
Available since version:	7.3	
Parameters:		
Key Type Descriptions		
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
Owner	String	
Status	String	"ENABLE" or "SUSPENDED"
Return Values:		
Key Type Descriptions		
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user1", "Status":"SUSPENDED" }		
Output		

	{"Status":"OK"}
Output 2 User not exist	
	{ "Status": "Error", "Message": "[UserCacheManager.NoSuchUserExpt] User 'user1' not found.", "ExptType": "com.ahsay.obs.core.dbs.Y" }

4.1.11 RemoveUser

This API removes a backup user.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]

URL:	http://BACKUP_SERVER/obs/api/json/RemoveUser.do																
Available since version:	7.3																
Parameters:																	
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>LoginName</td><td>String</td><td>To remove multiple users, join their login names, separated with "*", e.g. user1*user2*user3</td></tr> <tr> <td>Owner</td><td>String</td><td>To remove multiple users, join their owner, separated with "*", e.g. owner1*owner2*owner3 If the owner is system admin, use a space as the owner name, e.g. " * " This field is mandatory if multiple users are removed.</td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	To remove multiple users, join their login names, separated with "*", e.g. user1*user2*user3	Owner	String	To remove multiple users, join their owner, separated with "*", e.g. owner1*owner2*owner3 If the owner is system admin, use a space as the owner name, e.g. " * " This field is mandatory if multiple users are removed.
Key	Type	Descriptions															
SysUser	String	AhsayCBS's system users with admin role															
SysPwd	String	AhsayCBS's system users password with admin role															
LoginName	String	To remove multiple users, join their login names, separated with "*", e.g. user1*user2*user3															
Owner	String	To remove multiple users, join their owner, separated with "*", e.g. owner1*owner2*owner3 If the owner is system admin, use a space as the owner name, e.g. " * " This field is mandatory if multiple users are removed.															
Return Values:																	
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"			
Key	Type	Descriptions															
Status	String	"OK" or "Error"															
Message	String	Error message, it exists only if status is "Error"															
ExptType	String	The type of exception, it exists only if status is "Error"															
Example:																	
Input																	
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user1*user2", "Owner":" * " }																	
Output	{ "Status": "OK" }																

4.1.12 SendForgotPwdEmail

This API will send a forgot password email to a backup user who has forgot their login password, to allow them to reset their login password.

URL:	http://BACKUP_SERVER/obs/api/json/SendForgotPwdEmail.do	
Available since version:	7.3	

Parameters:			
	Key	Type	Descriptions
	SysUser	String	AhsayCBS's system users with admin role
	SysPwd	String	AhsayCBS's system users password with admin role
	LoginName	String	The value of this parameter can handle 1 user at a time.
	Owner	String	The value of this parameter can handle 1 user at a time.
Return Values:			
	Key	Type	Descriptions
	Status	String	"OK" or "Error"
	Message	String	Error message, it exists only if status is "Error"
	ExptType	String	The type of exception, it exists only if status is "Error"
Example:			
	Input		
	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user1", }		
	Output		
	{"Status":"OK"}		
Example: Login name incorrect			
	Input		
	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user1", }		
	Output		
	{"Status":"Error", "Message":"[UserCacheManager.NoSuchUserExpt] User 'user1' not found.", "ExptType":"com.ahsay.obs.core.dbs.Y"}		

4.1.13 GetUserStatus.do

This API gets detailed information of the current backup or restore job running.

The related settings can be found on the AhsayCBS web console:

- ▶ [Monitoring]>[Live Activities]> [Backup user]>[Backup Status] OR [Restore Status]

URL:			
http://BACKUP SERVER/cbs/api/json/GetUserStatus.do			
Available since version:			
7.9.0.13			
Parameters:			
	Key	Type	Descriptions
	SysUser	String	AhsayCBS's system users with admin role
	SysPwd	String	AhsayCBS's system users password with admin role
	Type	String	The value can be one of the followings: backup restore
Return Values:			
	Key	Type	Descriptions
	Status	String	"OK" or "Error""
	BkpStatus	Array of BkpStatus	If input parameter type is "backup", array of BkpStatus is returned.

	RestoreStatus	Array of RestoreStatus	If input parameter type is "restore", array of RestoreStatus is returned.
	Message	String	Error message, it exists only if status is "Error".
	ExptType	String	The type of exception, it exists only if status is "Error".
JSON Objects:			
BkpStatus/ RestoreStatus			
Key	Type	Descriptions	
ID	String		
LoginName	String	Name of the backup account.	
Owner	String	Owner of the backup account.	
UserId	String	ID of the backup account.	
Alias	String	Alias of the backup account.	
UserType	String	User type. The value can be one of the following: Trial Paid	
ClientType	String	Backup client type. The value can be one of the following: OBM ACB	
Type	String	Backup set type. The value can be one of the following: FILE Cloud File Lotus Domino Lotus Notes Microsoft Exchange Server Microsoft Exchange Mail (MAPI) Microsoft SQL Server Microsoft Windows Virtualization Microsoft Windows System Backup MySQL Oracle Database Server ShadowProtect Bare Metal System State VMware Virtualization Office 365 Exchange Online	
BackupSet	String	Name of the backup set.	
BackupSetID	String	ID of the backup set.	
DestinationID	String	ID of the backup destination.	
DestinationName	String	Name of the backup destination.	
DestinationType	String	Destination storage of the backup set. The value can be one of the following: Local / Mapped Drive / Removable Drive : Local Alibaba Cloud : Aliyun CTYun : CTYun Amazon Cloud Drive : CloudDrive Amazon S3 : S3 AWS S3 Compatible Cloud Storage : AWSCompatible Google Cloud Storage : GCS Google Drive : GDrive Microsoft Azure : Azure OneDrive : OneDrive OneDrive for Business : OneDrive4Biz Rackspace : Rackspace OpenStack : OpenStack Dropbox : Dropbox FTP : FTP	

			SFTP : SFTP AhsayCBS : OBS Destination pool : Pooled For backup job with version 6 backup client: %EMPTY%
OverallPercent	String	Progress of the backup job shown in percentage.	
BackupStatus	String	Message type of the current stage of the backup job.	
LastMessage	String	Last message reported during the backup job.	
LastUpdateTime	String	Time of the last message reported during the backup job.	
EstimatedTimeLeft	String	Estimated time to backup job completion.	
SizeLeft	String	Data size left to be backed up.	
UploadedSize	String	Data size of all uploaded data during the backup job.	
TransferRate	String	Transfer rate measured at the moment.	
CurrentFile	String	Current backup / restore file.	
UploadedNumOfFiles	String	Total number of files uploaded for BkpStatus (e.g. input "Type":"backup") or Total number of files downloaded for RestoreStatus (e.g. input "Type":"restore").	
UploadedNumOfDirs	String	Total number of directories uploaded for BkpStatus (e.g. input "Type":"backup") or Total number of directories downloaded for RestoreStatus (e.g. input "Type":"restore").	
UploadedNumOfLinks	String	Total number of links uploaded for BkpStatus (e.g. input "Type":"backup") or Total number of links downloaded for RestoreStatus (e.g. input "Type":"restore").	
ElapsedTime	String	Elapsed time of the backup job.	
CurrentFilePercent	String	Upload percentage of the current file being backed up / restored.	
CurrentFileType	String	Current type. The value can be one of the following: Full Incremental Differential	
CurrentFileOperation	String	File operation list. The value can be one of the following: new update delete move file permission	
DeltaFile	String	Delta file path.	
DeltaFilePercent	String	Upload percentage of the current delta file.	
DeltaType	String	Deltas type. The value can be one of the following: Incremental Differential	
BackupJobID or RestoreJobID	String	Backup Job ID for BkpStatus (e.g. input "Type":"backup"), or Restore Job ID for RestoreStatus (e.g. input "Type":"restore"). ID in YYYY-MM-DD-hh-mm-ss format.	

Example 1 ("Type": "backup"):

Input	
	{ "SysUser":"system", "SysPwd":"system", "Type":"backup" }
Output	
	{ >Status:"OK", "BkpStatus": [{ "SizeLeft":"943.94M", "DestinationType":"OBS", "LoginName":"username", "Type":"FILE", "DeltaFile": "", "LastUpdateTime":"07/10/2016 18:07:41", "DestinationName":"CBS", "CurrentFilePercent":"100", "ElapsedTime":"3 min 14 sec", "ID":"0", "CurrentFileOperation":"new", "LastMessage":"[1475834453800] [New File]... 100% of \"C:\\cbs-win7700.exe\\\"", "TransferRate":"29Mibit/s", "UploadedNumOfLinks":"0", "UploadedNumOfDirs":"4", "UserType":"PAID", "Owner": "", "DeltaType": "", "UploadedNumOfFiles":"1", "DeltaFilePercent":"0", "UploadedSize":"907.37M", "EstimatedTimeLeft":"4 min 19 sec", "CurrentFile":"C:\\cbs-win7700.exe", "UserId":"1475834105960", "BackupSet":"Test", "OverallPercent":"49", "Alias": "", "DestinationID":"1475834453800", "BackupSetID":"1475834388686", "BackupJobID":"2016-10-07-18-04-25", "BackupStatus":"info", "ClientType":"OBM", "CurrentFileType":"New File"}] }

Example 2 ("Type": "restore"):

Input	
	{ "SysUser":"system", "SysPwd":"system", "Type":"restore" }
Output	
	{ >Status:"OK", "RestoreStatus": [{ "SizeLeft":"1.67G", "DestinationType":"OBS", "LoginName":"username", "Type":"FILE", "DeltaFile": "", "LastUpdateTime":"07/10/2016 18:26:35", "DestinationName":"CBS", "CurrentfilePercent":"14", "CurrentFileOperation": "restoring", "LastMessage": ""}] }

```
    "ElapsedTime":"38 sec",
    "ID":"0",
    "CurrentFileOperation":"",
    "LastMessage":"Downloading... \"E:\\\\ Dest\\\\C_\\\\cbs-win7810.exe\" (Total 472.86M bytes)",
    "TransferRate":"54Mibit/s",
    "UploadedNumOfLinks":"0",
    "UploadedNumOfDirs":"0",
    "UserType":"PAID",
    "Owner":"",
    "DeltaType":"",
    "RestoreJobID":"2016-10-07-18-25-57",
    "UploadedNumOfFiles":"0",
    "DeltaFilePercent":"0",
    "UploadedSize":"131.25M",
    "EstimatedTimeLeft":"2 min 5 sec",
    "CurrentFile":"E:\\Dest\\\\C_\\\\cbs-win7500.exe",
    "UserId":"1475834105960",
    "BackupSet":"Test",
    "OverallPercent":"7",
    "Alias":"",
    "DestinationID":"1475834453800",
    "BackupSetID":"1475834388686",
    "BackupStatus":"info",
    "ClientType":"OBM",
    "CurrentFileType":""}]}
```

4.2 Backup Set

4.2.1 UpdateBackupSet

This API updates information of a backup set.

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]
>Choose a backup set

URL:		
http://BACKUP_SERVER/obs/api/json/UpdateBackupSet.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	User name
BackupSetID	String	Obtainable in ListBackupsets API
ReadOnly	Boolean	
class	String	com.ahsay.obx.cxp.obs.BackupSet
Name	String	Backup set name
Type	String	The value can be any one of the following: FILE Cloud File Lotus Domino Lotus Notes Microsoft Exchange Server Microsoft Exchange Mail (MAPI) Microsoft SQL Server Microsoft Windows Virtualization Microsoft Windows System Backup MySQL Oracle Database Server ShadowProtect Bare Metal System State VMware Virtualization Office 365 Exchange Online
ShadowCopyEnabled	Boolean	Enable Windows' Volume Shadow Copy for open file backup
DeleteTempFile	String	Remove temporary files after backup
LogRetentionDays	Integer	Number of days to keep the backup set log
FollowLink	Boolean	Follow link of the backup files
CompressType	String	The value can be one of the following: "GzipBestSpeedCompression" (Fast), "GzipDefaultCompression" (Normal), Default to No Compression if not provided
LanDomain	String	Windows User Authentication domain/host name
LanUsername	String	Windows User Authentication user name
LanPassword	String	Windows User Authentication user password
WorkingDir	String	Temporary Directory for storing backup files
UploadPermission	Boolean	Enable to backup permission attribute of files
ReminderSettings	ReminderSettings	
InFileDeltaSettings	InFileDeltaSettings	
LocalCopySettings	LocalCopySettings	

		ngs	
	RetentionPolicySettings	RetentionPolicySettings	
	CdpSettingsV6	CdpSettings	
	CdpSettings7	CdpSettings	
	BandwidthControlSettings	BandwidthControlSettings	
	FilterSettings	FilterSettings	
	ScheduleSettings	ScheduleSettings	
	DestinationSettings	DestinationSettings	
	SelectedSourceList	Array of String	
	DeselectedSourceList	Array of String	
	PreCommandList	Array of Command	
	PostCommandList	Array of Command	
	AllowedIPList	Array of AllowedIP	
	ApplicationSettings		
	DestinationList	Array of Destination	(optional)
	EnableOpenDirect	Boolean	Supported from AhsayCBS v7.13.0.0 or above Note: Cannot be changed once set

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

JSON Objects:

ReminderSettings		
Key	Type	Descriptions
ReadOnly	Boolean	
BackupIntervalHour	Integer	This setting only applicable for v6 legacy backup users.
OfflineNotificationDay	Integer	This setting only applicable for v6 legacy backup users.
OfflineBackupEnabled	Boolean	This setting only applicable for v6 legacy backup users.
BackupIntervalDay	Integer	This setting only applicable for v6 legacy backup users.
ShowOfflineBackupReminder	Boolean	This setting only applicable for v6 legacy backup users.
LogoutBackupReminderEnabled	Boolean	Enable/Disable backup reminder when windows log off or shut down.

InfileDeltaSettings		
Key	Type	Descriptions
Enabled	Boolean	
ReadOnly	Boolean	
MinDeltaFileSize	Long	Only apply In-File Delta to files larger than this size.
MaxNumOfDelta	Long	Upload full file when number of deltas are over this number Highly recommended to choose one of the following value: 10 20 30 50 100
MaxDeltaRatio	Long	Upload full file when delta file size / full file size is over this ratio. It can only be multiple of 5 of maximum 100.
DefaultDeltaType	String	The value can be one of the following: I D
WeeklyInFileDeltaSchedule	WeeklyInFileDeltaSchedule	Weekly variations for overriding default type
MonthlyInFileDeltaSchedule	MonthlyInFileDeltaSchedule	Yearly variations for overriding default type and weekly variations

WeeklyInFileDeltaSchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
MonthlyInFileDeltaSchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
Month	Array of String	The array contains 12 Strings, which corresponds to the delta type from January to December. "I" for incremental delta on that month, "D" for differential delta on that month, and "" for full backup on that month.
Date	Integer	Day of selected months in yearly variations
Criteria	String	The value can be one of the following: Weekday Weekend Sunday Monday Tuesday Wednesday Thursday Friday Saturday
Occurrence	String	The value can be one of the following: First Second Third Fourth Last
LocalCopySettings		
Key	Type	Descriptions
ReadOnly	Boolean	
Enabled	Boolean	This setting only applicable for v6 legacy backup users.
DestinationPath	String	This setting only applicable for v6 legacy backup users.
SetPermission	Boolean	This setting only applicable for v6 legacy backup users.
SkipOffsiteBackup	Boolean	This setting only applicable for v6 legacy backup users.
LocalCopyRetentionPolicySetting	LocalCopyRetentionPolicySetting	This setting only applicable for v6 legacy backup users.
Zip	Boolean	This setting only applicable for v6 legacy backup users.
LocalCopyRetentionPolicySetting		
Key	Type	Descriptions
ReadOnly	Boolean	
Enabled	Boolean	This setting only applicable for v6 legacy backup users.
Period	Integer	This setting only applicable for v6 legacy backup users.
Unit	String	This setting only applicable for v6 legacy backup users. The value can be one of the following: DAYS JOBS
RetentionPolicySettings		
Key	Type	Descriptions
ReadOnly	Boolean	
Period	Integer	Keep the deleted files for this number of days
OverlapSensitive	Boolean	

	Type	String	The value can be one of the following: SIMPLE ADVANCED
	Unit	String	The value can be one of the following: DAYS JOBS
	AdvancedRetentionPolicyList	Array of AdvancedRetentionPolicy	
<hr/>			
AdvancedRetentionPolicy			
Key	Type	Descriptions	
ReadOnly	Boolean		
Id	Long	ID of the retention policy to update	
Type	String	The value can be one of the following: DAILY WEEKLY MONTHLY QUARTERLY YEARLY CUSTOM	
NumbersToKeep	Integer	Available to change when you choose the following Type: DAILY WEEKLY MONTHLY QUARTERLY YEARLY	
Day	Integer	Available to change when you choose the following Type: MONTHLY QUARTERLY YEARLY CUSTOM	
Week	Integer	Available to change when you choose the following Type: QUARTERLY YEARLY CUSTOM	
Month	Integer	Available to change when you choose the following Type: QUARTERLY YEARLY CUSTOM	
Year	Integer	Available to change when you choose the following Type: CUSTOM	
DateType	String	It can be empty for daily or weekly retention policy, or one of the following: WEEK_OF_MONTH WEEK_OF_YEAR EXACT	
Sun, Mon, Tue, Wed, Thu, Fri, Sat	Boolean	For weekly custom retention policy	
<hr/>			
CdpSettings			
Key	Type	Descriptions	
ReadOnly	Boolean		
Enable	Boolean		
Type	String	For CdpSettingsV6, the value can be one of the following: all-volume backup-source custom-source For CdpSettings7, the value is all-volume	
BackupType	String	The value can be empty, or one of the following: DATABASE	

			<p>DIFFERENTIAL LOG SKIP POWEROFF</p> <p>For Oracle and Lotus Domino backup sets, the value must be DATABASE or LOG</p> <p>For MS SQL Server backup sets, the value must be DATABASE or DIFFERENTIAL</p> <p>For MS Exchange Server before 2007 and Shadow Protect backup sets, the value must be DATABASE, DIFFERENTIAL, or LOG</p> <p>For MS Exchange Server 2007 or above, the value must be DATABASE or LOG</p> <p>For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be SKIP or POWEROFF</p>
	MinUpdateInterval	Integer	
	TimeMarkInterval	Integer	
	MaxFileSize	Integer	<p>Only apply to files smaller than</p> <p>20 50 100 500 1000 unlimited</p>
	ComputerName	String	Run CDP on computers named
	ExcludeSystemFiles	Boolean	
	FilterList	Array	
	Version	String	<p>For CdpSettingsV6, the value is v6</p> <p>For CdpSettings7, the value is 7</p>
	CdpBackupControlSettings	CdpBackupControlSetting	This setting only applicable for v6 legacy backup users.
	SelectedSourceList	Array of String	
	CdpBackupControlSettings		
	Key	Type	Descriptions
	ReadOnly	Boolean	This setting only applicable for v6 legacy backup users.
	ConsiderCpuUsage	Boolean	This setting only applicable for v6 legacy backup users.
	CpuUsage	Integer	This setting only applicable for v6 legacy backup users.
	ConsiderInput	Boolean	This setting only applicable for v6 legacy backup users.
	ObserveInputForSecond	Integer	This setting only applicable for v6 legacy backup users.
	ConsiderNetworkTraffic	Boolean	This setting only applicable for v6 legacy backup users.
	NetworkTraffic	Long	This setting only applicable for v6 legacy backup users.
	BandwidthControlSettings		
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Enabled	Boolean	
	BandwidthControlList	Array of BandwidthControl	
	Mode	String	<p>The value can be one of the following:</p> <p>independent share</p>
	BandwidthControl		
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Name	String	
	Id	Long	
	MaxTransferRateInBitsPerSec	Long	

	StartDay	Integer	
	StartHour	Integer	
	StartMinute	Integer	
	EndDay	Integer	
	EndHour	Integer	
	EndMinute	Integer	
	FilterSettings		
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Enabled	Boolean	
	FilterList	Array of Filter	
	Filter		
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Name	String	Name of the filter
	Id	Long	Id of the filter, obtainable in GetBackupSet API
	TopDir	String	Apply fileter to a specific directory only
	@class	String	com.ahsay.obx.cxp.obs.Filter
	ApplyToDir	Boolean	Apply filters to directory
	Type	String	The value can be one of the following: START_WITH END_WITH CONTAIN CUSTOM
	Include	Boolean	For each of the matched files/folders under top directory: Exclude or include them
	Only	Boolean	If it is set to true, it will not include all unmatched files/folders If it is set to false, it will include all unmatched files/folders
	PatternList	Array of Pattern	
	MatchPatternAgainstFullPathOnly	Boolean	
	Pattern		
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Pattern	String	
	ApplicationSettings		
	Key	Type	Descriptions
	ReadOnly	Boolean	
	AllowMultiple	Boolean	
	@class	String	The value can be one of the following: com.ahsay.obx.cxp.cloud.FileSettings com.ahsay.obx.cxp.cloud.LotusDominoSettings com.ahsay.obx.cxp.cloud.LotusNotesSettings com.ahsay.obx.cxp.cloud.MSExchangeSettings com.ahsay.obx.cxp.cloud.MSEMailboxSettings com.ahsay.obx.cxp.cloud.MSSQLSettings com.ahsay.obx.cxp.cloud.MSHypervSettings com.ahsay.obx.cxp.cloud.MSWindowsSystemSettings com.ahsay.obx.cxp.cloud.MySQLSettings com.ahsay.obx.cxp.cloud.OracleSettings com.ahsay.obx.cxp.cloud.ShadowProtectSettings com.ahsay.obx.cxp.cloud.MSWindowsSystemStateSettings com.ahsay.obx.cxp.cloud.VMwareSettings com.ahsay.obx.cxp.cloud.Office365ExchangeOnlineSettings com.ahsay.obx.cxp.cloud.CloudFileSettings
	Id		
	Version		
	KeyName		The value can be one of the following:

			com.ahsay.obx.cxp.cloud.FileSettings com.ahsay.obx.cxp.cloud.LotusDominoSettings com.ahsay.obx.cxp.cloud.LotusNotesSettings com.ahsay.obx.cxp.cloud.MSEExchangeSettings com.ahsay.obx.cxp.cloud.MSEMailboxSettings com.ahsay.obx.cxp.cloud.MSSQLSettings com.ahsay.obx.cxp.cloud.MSHypervSettings com.ahsay.obx.cxp.cloud.MSWindowsSystemSettings com.ahsay.obx.cxp.cloud.MySQLSettings com.ahsay.obx.cxp.cloud.OracleSettings com.ahsay.obx.cxp.cloud.ShadowProtectSettings com.ahsay.obx.cxp.cloud.MSWindowsSystemStateSettings com.ahsay.obx.cxp.cloud.VMwareSettings com.ahsay.obx.cxp.cloud.Office365ExchangeOnlineSettings com.ahsay.obx.cxp.cloud.CloudFileSettings
	WindowsOutlook	Boolean	Backup source shortcut to Outlook Applicable for File backup set only
	WindowsDesktop	Boolean	Backup source shortcut to Desktop Applicable for File backup set only
	WindowsOutlookExpress	Boolean	Backup source shortcut for Outlook Express Applicable for File backup set only
	WindowsMail	Boolean	Backup source shortcut to Windows Mail Applicable for File backup set only
	WindowsFavourites	Boolean	Backup source shortcut to Favourites Applicable for File backup set only
	WindowsMyDocuments	Boolean	Backup source shortcut to My Document Applicable for File backup set only
	NotesIniPath	String	Path to notes.ini Applicable for IBM Lotus Domino / IBM Lotus Notes backup set only
	BackupSystemState	Boolean	Applicable for MS Exchange Server backup set only
	LoginID	String	Login ID of sa / system account Applicable for MS SQL Server / Oracle Database Server backup set only
	Password	String	Password of sa / system / root account Applicable for MS SQL Server / MySQL / Oracle Database Server / VMware backup set only
	Server	String	SQL Server instance Applicable for MS SQL Server backup set only
	BackupTarget	String	Temporary storage location of the MS Windows System / System State backup set Applicable for MS Windows System / System State backup set only
	Port	Integer	Listening port of the MySQL / Oracle Database Server Port to the VMware hypervisor Applicable for MySQL / Oracle Database Server / VMware backup set only
	Host	String	Hostname or IP to the MySQL / Oracle Database Server, or VMware hypervisor Applicable for MySQL / Oracle Database Server / VMware backup set only
	Username	String	Username of root account Applicable for MySQL / VMware backup set only
	MysqldumpPath	String	Applicable for MySQL backup set only
	LastArchivedLogName	String	Applicable for Oracle Database Server backup set only
	Sid	String	Oracle SID

			Applicable for Oracle Database Server backup set only		
EncryptionAlgorithm	String		Applicable for ShadowProtect System backup set only		
EncryptionPassword	String		Applicable for ShadowProtect System backup set only		
InstallLocation	String		Applicable for ShadowProtect System backup set only		
Sshport	Integer		Applicable for VMware backup set only		
AutoEnableCBT	Boolean		Applicable for VMware backup set only		
<hr/>					
ScheduleSettings					
Key	Type	Descriptions			
ReadOnly	Boolean				
Enable	Boolean				
ComputerName	String				
DailyScheduleList	Array of DailySchedule				
WeeklyScheduleList	Array of WeeklySchedule				
MonthlyScheduleList	Array of MonthlySchedule				
CustomScheduleList	Array of CustomSchedule				
<hr/>					
DailySchedule					
Key	Type	Descriptions			
ReadOnly	Boolean				
Name	String	Name of the schedule			
Id	Long	ID of the schedule, obtainable in GetbackupSets API			
Hour	Integer	Refer to HH. The schedule will start backup at HH:MM			
Minute	Integer	Refer to MM. The schedule will start backup at HH:MM			
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24			
BackupType	String	The value can be empty, or one of the following: DATABASE DIFFERENTIAL LOG SKIP POWEROFF For Oracle and Lotus Domino backup sets, the value must be DATABASE or LOG For MS SQL Server backup sets, the value must be DATABASE or DIFFERENTIAL For MS Exchange Server before 2007 and Shadow Protect backup sets, the value must be DATABASE, DIFFERENTIAL, or LOG For MS Exchange Server 2007 or above, the value must be DATABASE or LOG For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be SKIP or POWEROFF			
SpaceFreeUpEnabled	Boolean	Remove obsolete files from backup destination according to retention policy			
LastUpdateTime	Long				
@class	String	com.ahsay.obx.cxp.obs.DailySchedule			

WeeklySchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
Name	String	Name of the schedule
Id	Long	Id of the schedule, obtainable in GetBackupSet API
Hour	Integer	Refer to HH. The schedule will start backup at HH:MM
Minute	Integer	Refer to MM. The schedule will start backup at HH:MM
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24
BackupType	String	Refer to "BackupType" of DailySchedule
Days	Array of Boolean	The array contains 7 boolean values that correspond to Sunday to Saturday. If the boolean value is true, backup will be run on that day.
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy
LastUpdateTime	Long	
@class	String	com.ahsay.obx.cxp.obs.WeeklySchedule
MonthlySchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
Name	String	
Id	Long	Id of the schedule, obtainable in GetBackupSet API
Hour	Integer	Refer to HH. The schedule will start backup at HH:MM
Minute	Integer	Refer to MM. The schedule will start backup at HH:MM
BackupType	String	Refer to "BackupType" of DailySchedule
Duration	Integer	
Occurrence	String	The value can be one of the following: First Second Third Fourth Last
Criteria	String	The value can be one of the following: Sunday Monday Tuesday Wednesday Thursday Friday Saturday Weekday Weekend
SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy
LastUpdateTime	Long	
@class	String	com.ahsay.obx.cxp.obs.MonthlySchedule
CustomSchedule		
Key	Type	Descriptions
ReadOnly	Boolean	
Name	String	
Id	Long	ID of the schedule, obtainable in GetBackupset API

	Hour	Integer	Refer to HH. The schedule will start backup at HH:MM
	Minute	Integer	Refer to MM. The schedule will start backup at HH:MM
	Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24
	Date	String	In yyyy-MM-dd format Backup on this day once
	BackupType	String	Refer to "BackupType" of DailySchedule
	SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy
	LastUpdateTime	Long	
	@class	String	com.ahsay.obx.cxp.obs.CustomSchedule
Command			
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Name	String	
	Command	String	
	Type	String	The value can be one of the following: Pre Post
	Id	Long	Id of the command, obtainable in GetBackupSet API
	WorkingDir	String	
AllowedIP			
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Id	Long	Id of the command, obtainable in GetBackupSet API
	StartIP	String	
	EndIP	String	
DestinationSettings			
	Key	Type	Descriptions
	ReadOnly	Boolean	
	DestinationList	Array of Destination	
Destination			
	Key	Type	Descriptions
	ReadOnly	Boolean	
	Id	Long	Id of the destination, obtainable in GetBackupSet API
	Name	String	
	TopDir	String	
	@class	String	The value can be one of the following: com.ahsay.obx.cxp.obs.LocalDestination com.ahsay.obx.cxp.obs.AmazonCloudDriveDestination com.ahsay.obx.cxp.obs.AmazonS3Destination com.ahsay.obx.cxp.obs.AWSCompatibleDestination com.ahsay.obx.cxp.obs.GoogleCloudStorageDestination com.ahsay.obx.cxp.obs.GoogleDriveDestination com.ahsay.obx.cxp.obs.WindowsAzureDestination com.ahsay.obx.cxp.obs.OneDriveDestination com.ahsay.obx.cxp.obs.OpenStackDestination com.ahsay.obx.cxp.obs.RackspaceDestination com.ahsay.obx.cxp.obs.DropboxDestination com.ahsay.obx.cxp.obs.FtpDestination com.ahsay.obx.cxp.obs.SftpDestination com.ahsay.obx.cxp.obs.ObsDestination

			com.ahsay.obx.cxp.obs.PooledDestination com.ahsay.obx.cxp.obs.AliyunDestination
Type	String		<p>*OBS & Local destination types support both update & add new desintation (Available for AhsayCBS on 7.9.2.8 or above)</p> <p>.</p> <p>** All other destinations types do not support update or add new destination.</p> <p>The value can be one of the following:</p> <p>Local CloudDrive S3 AWSCompatible GCS GDrive Azure OneDrive OpenStack Rackspace Dropbox FTP SFTP OBS Pooled Aliyun Exchange</p>
UserName	String		
Password	String		
HostName	String		
Port	String		
AccessKey	String		
Location	String		
DestinationKey	String		
Secret	String		
UserID	String		
Token	String		
ClientID	String		
UserDisplayName	String		
ClientSecret	String		
Region	String		
TenantID	String		
AppFolderName	String		
UsingSSL	Boolean		
UsingProxy	Boolean		
DestinationList	Array of Destination		
KeyName	String	com.ahsay.obx.cxp.obs.FtpDestination com.ahsay.obx.cxp.obs.SftpDestination	FTP and SFTP cloud file backup set are supported using this API from AhsayCBS v7.9.0.94 or above.
Example:			
Input Update local and obs destination			
{			
	"SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "DestinationSettings":{ "DestinationList": [{ "Name":"dest_OBS", "Type":"OBS", }, { "Name":"dest_Local", }] }		

	<pre> "Type":"Local", "TopDir":"D:\\test" }] } } </pre>
	Input Update Office 365 online destination
	<pre> { "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383123", "ApplicationSettings": { "@class": "com.ahsay.obx.cxp.cloud.Office365ExchangeOnlineSettings", "RunOnServer": true, "Destination": { "@class": "com.ahsay.obx.cxp.obs.Office365ExchangeOnlineDestination", "Type": "Exchange", "Password": "QgsSo/AkSjvTIOOVjcF/W9dcqxQKiFnVql/A9Le/N0ujmNADgWipLghpjSOZlcm", "DataMigrationMappingMergedToIndex": false, "MultiAccounts": true, "UserName": "carven.tsang@cloudbacko.biz", "DestinationKey": "Exchange#carven.tsang@cloudbacko.biz", "Id": "1472441724123", "KeyName": "com.ahsay.obx.cxp.obs.Office365ExchangeOnlineDestination" }, "KeyName": "com.ahsay.obx.cxp.cloud.Office365ExchangeOnlineSettings" } } </pre>
	Input CBS destination
	<pre> { "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "DestinationSettings": { "DestinationList": [{ "Name": "CBS", "@class": "com.ahsay.obx.cxp.obs.ObsDestination", "Type": "OBS" }] } } </pre>
	Input Weekly In file delta settings
	<pre> { "SysUser": "system", "SysPwd": "system", "LoginName": "test", "BackupSetID": "1498728005287", "InFileDeltaSettings": { "Enabled": true, "MinDeltaFileSize": "30", "MaxNumOfDelta": "200", "MaxDeltaRatio": "55", "DefaultDeltaType": "I", "WeeklyInFileDeltaSchedule": { "Day": ["D", "D", "D", "", "D", "I"] } } } </pre>
	Input Monthly In file delta settings
	<pre> { "SysUser": "system", </pre>

```

    "SysPwd": "system",
    "LoginName": "test",
    "BackupSetID": "1498728005287",
    "InFileDeltaSettings": {
        "Enabled": true,
        "MinDeltaFileSize": "30",
        "MaxNumOfDelta": "200",
        "MaxDeltaRatio": "55",
        "DefaultDeltaType": "I",
        "MonthlyInFileDeltaSchedule": {
            "Month": ["D", "D", "D", "D", "", "D", "I", "D", "D", "D", "", "D", "I"],
            "Date": "3"
        }
    }
}

```

Input Simple retention policy

```
{
    "SysUser": "system",
    "SysPwd": "system",
    "LoginName": "test",
    "BackupSetID": "1498728005287",
    "RetentionPolicySettings": {
        "Period": "3",
        "Type": "SIMPLE",
        "Unit": "JOBS"
    }
}
```

Input Advanced weekly retention policy

```
{
    "SysUser": "system",
    "SysPwd": "system",
    "LoginName": "test",
    "BackupSetID": "1498728005287",
    "RetentionPolicySettings": {
        "Period": "3",
        "Type": "ADVANCED",
        "Unit": "JOBS",
        "AdvancedRetentionPolicyList": [
            {
                "Id": "1498792367943",
                "Type": "WEEKLY",
                "NumbersToKeep": "3",
                "Mon": "true"
            }
        ]
    }
}
```

Input Advanced daily retention policy

```
{
    "SysUser": "system",
    "SysPwd": "system",
    "LoginName": "test",
    "BackupSetID": "1498728005287",
    "RetentionPolicySettings": {
        "Type": "ADVANCED",
        "AdvancedRetentionPolicyList": [
            {
                "Id": "1498792738486",
                "Type": "DAILY",
                "NumbersToKeep": "3",
            }
        ]
    }
}
```

Input Advanced weekly retention policy

```
{
```

```

    "SysUser":"system",
    "SysPwd":"system",
    "LoginName":"test",
    "BackupSetID":"1498728005287",
    "RetentionPolicySettings":{
        "Period":"3",
        "Type":"ADVANCED",
        "Unit":"JOBS",
        "AdvancedRetentionPolicyList":[{
            "Id":"1498792367943",
            "Type":"WEEKLY",
            "NumbersToKeep":"3",
            "Mon":true
        }]
    }
}
}

```

Input Advanced monthly retention policy

```
{
    "SysUser":"system",
    "SysPwd":"system",
    "LoginName":"test",
    "BackupSetID":"1498728005287",
    "RetentionPolicySettings":{
        "Type": "ADVANCED",
        "AdvancedRetentionPolicyList":[{
            "Id": "1498792747423",
            "Type": "MONTHLY",
            "Day": "12",
            "NumbersToKeep": "3",
        }]
    }
}
}
```

Input Advanced custom retention policy

```
{
    "SysUser":"system",
    "SysPwd":"system",
    "LoginName":"test",
    "BackupSetID":"1498728005287",
    "RetentionPolicySettings":{
        "Type": "ADVANCED",
        "AdvancedRetentionPolicyList":[{
            "Id": "1498792796814",
            "Type": "CUSTOM",
            "Month": 5,
            "Day": 1,
            "Year": 2016,
        }]
    }
}
}
```

Input Bandwidth Control Settings

```
{
    "SysUser":"system",
    "SysPwd":"system",
    "LoginName":"test",
    "BackupSetID":"1498728005287",
    "BandwidthControlSettings":{
        "Enabled":true,
        "Mode": "Share",
        "BandwidthControllList": [
            {
                "Name": "ban1",
                "Id": "1498795406838",
            }
        ]
    }
}
```

	<pre> "MaxTransferRateInBitsPerSec":"25600000", }] } } } </pre>
	Input FilterSettings
	<pre>{ "SysUser":"system", "SysPwd":"system", "LoginName":"test", "BackupSetID":"1498728005287", "FilterSettings":{ "Enabled":true, "FilterList":[{ "Name":"update", "Id":"1498795942916", "TopDir":"C:\\test", "ApplyToDir":false, "PatternList":[{"Pattern":".txt"}, {"Pattern":".png"}] }] } } </pre>
	Input Daily schedule and custom schdelue settings
	<pre>{ "SysUser":"system", "SysPwd":"system", "LoginName":"test", "BackupSetID":"1498728005287", "ScheduleSettings":{ "Enable":true, "DailyScheduleList":[{ "Id":"1498800708798", "Hour":12, "Minute":30 }], "CustomScheduleList":[{ "Id":"1498801790021", "Hour":12, "Minute":30, "Date":"2017-07-01" }] } } </pre>
	Output
	{"Status":"OK"}
	Input Try to update opendirect setting
	<pre>{ "SysUser":"system", "SysPwd":"system", "LoginName":"test", "BackupSetID":"1498728005287", "EnableOpenDirect":false } </pre>
	Output OK but nothing changed
	{"Status":"OK"}

Note: Once opendirect setting is configured when creating backupset, it cannot be changed . If you want to change this setting, the only way is to create a whole new backup set.

4.2.2 AddSelectSrc

This API allows you to add additional source to a backupset.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]>Choose a backup set> [Source]

URL:		
http://BACKUP_SERVER/obs/api/json/AddSelectSrc.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	User name
BackupSetID	String	Obtainable in ListBackupsets API
NewSelectedSrc	Array of SourceBean	Special characters for JAVA must be escaped, for example, "\\" must be replaced with "\\\"
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
SourceBean		
Key	Type	Descriptions
Src	String	
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "NewSelectedSrc":{"Src":"C:\\\\New1" } }		
Output		
{"Status":"OK"}		
Input Do not escape special characters		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "NewSelectedSrc":{"Src":"C:\\New1" } }		
Output		

```
{
  "Status": "Error",
  "Message": "java.lang.NullPointerException",
  "ExptType": "java.lang.NullPointerException"
}
```

4.2.3 RemoveSelectSrc

This API allows you to remove selected source from a backupset. Running that backup set again will no longer backup those file from the removed source.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set] >Choose a backup set> [Source]

URL:		
http://BACKUP_SERVER/obs/api/json/RemoveSelectSrc.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
Src	Array of String	Special characters for JAVA must be escaped, for example, "\\" must be replaced with "\\\"
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1462427376949", "Src": "C:\\\\New1" }		
Output		
[{"Status": "OK"}]		

4.2.4 AddDeselectSrc

This API allows you to add deselected source to a backupset.

Running that backupset will no longer backup files from deselected source.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]>Choose a backup set> [Source]

URL:																		
http://BACKUP_SERVER/obs/api/json/AddDeselectSrc.do																		
Available since version:																		
7.3																		
Parameters:																		
<table border="1"> <thead> <tr> <th>Key</th> <th>Type</th> <th>Descriptions</th> </tr> </thead> <tbody> <tr> <td>SysUser</td> <td>String</td> <td>AhsayCBS's system users with admin role</td> </tr> <tr> <td>SysPwd</td> <td>String</td> <td>AhsayCBS's system users password with admin role</td> </tr> <tr> <td>LoginName</td> <td>String</td> <td>Client user name</td> </tr> <tr> <td>BackupSetID</td> <td>String</td> <td>Obtainable in ListBackupsets API</td> </tr> <tr> <td>NewDeselectedSrc</td> <td>Array of SourceBean</td> <td>Special characters for JAVA must be escaped, for example, "\\" must be replaced with "\\\"</td> </tr> </tbody> </table>	Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	Client user name	BackupSetID	String	Obtainable in ListBackupsets API	NewDeselectedSrc	Array of SourceBean	Special characters for JAVA must be escaped, for example, "\\" must be replaced with "\\\"
Key	Type	Descriptions																
SysUser	String	AhsayCBS's system users with admin role																
SysPwd	String	AhsayCBS's system users password with admin role																
LoginName	String	Client user name																
BackupSetID	String	Obtainable in ListBackupsets API																
NewDeselectedSrc	Array of SourceBean	Special characters for JAVA must be escaped, for example, "\\" must be replaced with "\\\"																
Return Values:																		
<table border="1"> <thead> <tr> <th>Key</th> <th>Type</th> <th>Descriptions</th> </tr> </thead> <tbody> <tr> <td>Status</td> <td>String</td> <td>"OK" or "Error"</td> </tr> <tr> <td>Message</td> <td>String</td> <td>Error message, it exists only if status is "Error"</td> </tr> <tr> <td>ExptType</td> <td>String</td> <td>The type of exception, it exists only if status is "Error"</td> </tr> </tbody> </table>	Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"						
Key	Type	Descriptions																
Status	String	"OK" or "Error"																
Message	String	Error message, it exists only if status is "Error"																
ExptType	String	The type of exception, it exists only if status is "Error"																
JSON Objects:																		
<table border="1"> <thead> <tr> <th>SourceBean</th> </tr> <tr> <th>Key</th> <th>Type</th> <th>Descriptions</th> </tr> </thead> <tbody> <tr> <td>Src</td> <td>String</td> <td></td> </tr> </tbody> </table>	SourceBean	Key	Type	Descriptions	Src	String												
SourceBean																		
Key	Type	Descriptions																
Src	String																	
Example:																		
<table border="1"> <thead> <tr> <th>Input</th> </tr> </thead> <tbody> <tr> <td>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "NewDeselectedSrc":{"Src":"C:\\\\New2" } }</td> </tr> <tr> <th>Output</th> </tr> <tr> <td>{"Status":"OK"}</td> </tr> </tbody> </table>	Input	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "NewDeselectedSrc":{"Src":"C:\\\\New2" } }	Output	{"Status":"OK"}														
Input																		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "NewDeselectedSrc":{"Src":"C:\\\\New2" } }																		
Output																		
{"Status":"OK"}																		

4.2.5 RemoveDeselectSrc

This API allows you remove deselected source from a backupset.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]>Choose a backup set> [Source]

URL:		
http://BACKUP_SERVER/obs/api/json/RemoveDeselectSrc.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupset API
Src	Array of String	Special characters for JAVA must be escaped, for example, “\” must be replaced with “\\”
Return Values:		
Key	Type	Descriptions
Status	String	“OK” or “Error”
Message	String	Error message, it exists only if status is “Error”
ExptType	String	The type of exception, it exists only if status is “Error”
Example:		
Input		
{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1462427376949", "Src": "C:\\New2" }		
Output		
{"Status": "OK"}		

4.2.6 AddSchedule

This API creates new backup schedule settings on a backup set.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]>Choose a backup set> [Backup Schedule]

URL:		
http://BACKUP_SERVER/obs/api/json/AddSchedule.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
Name	String	Schedule name
Type	String	The value can be one of the following: DAILY

			WEEKLY MONTHLY CUSTOM
	BackupType	String	<p>The value can be empty, or one of the following:</p> <p>DATABASE DIFFERENTIAL LOG SKIP POEROFF</p> <p>For Oracle and Lotus Domino backup set, the value must be DATABASE or LOG</p> <p>For MS SQL Server backup set, the value must be DATABASE or DIFFERENTIAL</p> <p>For Exchange Server (Exchange 2003) backup set and Shadow Protect backup set, the value must be DATABASE, DIFFERENTIAL, or LOG</p> <p>For Exchange Server backup set (Exchange 2007 or above), the value must be DATABASE or LOG</p> <p>For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be SKIP or POEROFF</p>
	Time	TimeBean	
	FullBackup	Boolean	If it is true, the schedule backup will run until full backup completed. Otherwise, it will be stopped after the duration specified in key "Duration" of the TimeBean in key "Time"
	BackupInterval	Integer	
	SpaceFreeUpEnabled	Boolean	Remove obsolete files according to retention policy from backup destination according to retention policy
	SkipBackupEnabled	Boolean	
	WeekSchedule	WeekSchedule	Mandatory for weekly schedule
	MonthSchedule	MonthSchedule	Mandatory for monthly schedule
	CustomSchedule	CustomSchedule	Mandatory for custom schedule
	MonthlyDateType	String	<p>Mandatory for monthly schedule.</p> <p>The value can be one of the following:</p> <p>DATE CRITERIA</p>
	Period	String	<p>(Optional)</p> <p>The following values can be set: AM PM</p> <p>If the parameter "Period" is specified as AM or PM then the parameter "Hour" is in 12-hour format. "1", "2", ... "12" can be set.</p> <p>If the parameter "Period" is not specified, then the parameter "Hour" will default to 24-hour format. "0", "1" ... "23" can be set.</p>

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

JSON Objects:

TimeBean		
Key	Type	Descriptions
Hour	Integer	

	Minute	Integer																																	
	Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24																																
WeekSchedule																																			
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th colspan="2">Descriptions</th></tr> </thead> <tbody> <tr> <td>Sun</td><td>Boolean</td><td colspan="2"></td></tr> <tr> <td>Mon</td><td>Boolean</td><td colspan="2"></td></tr> <tr> <td>Tue</td><td>Boolean</td><td colspan="2"></td></tr> <tr> <td>Wed</td><td>Boolean</td><td colspan="2"></td></tr> <tr> <td>Thu</td><td>Boolean</td><td colspan="2"></td></tr> <tr> <td>Fri</td><td>Boolean</td><td colspan="2"></td></tr> <tr> <td>Sat</td><td>Boolean</td><td colspan="2" rowspan="3"></td></tr> </tbody> </table>				Key	Type	Descriptions		Sun	Boolean			Mon	Boolean			Tue	Boolean			Wed	Boolean			Thu	Boolean			Fri	Boolean			Sat	Boolean		
Key	Type	Descriptions																																	
Sun	Boolean																																		
Mon	Boolean																																		
Tue	Boolean																																		
Wed	Boolean																																		
Thu	Boolean																																		
Fri	Boolean																																		
Sat	Boolean																																		
MonthSchedule																																			
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th colspan="2">Descriptions</th></tr> </thead> <tbody> <tr> <td>Occurrence</td><td>String</td><td colspan="2">The value can be one of the following: First Second Third Fourth Last</td></tr> <tr> <td>Criteria</td><td></td><td colspan="2">The value can be one of the following: Sunday Monday Tuesday Wednesday Thursday Friday Saturday Weekday Weekend</td></tr> <tr> <td>Date</td><td>Integer</td><td colspan="2" rowspan="3"></td></tr> </tbody> </table>				Key	Type	Descriptions		Occurrence	String	The value can be one of the following: First Second Third Fourth Last		Criteria		The value can be one of the following: Sunday Monday Tuesday Wednesday Thursday Friday Saturday Weekday Weekend		Date	Integer																		
Key	Type	Descriptions																																	
Occurrence	String	The value can be one of the following: First Second Third Fourth Last																																	
Criteria		The value can be one of the following: Sunday Monday Tuesday Wednesday Thursday Friday Saturday Weekday Weekend																																	
Date	Integer																																		
CustomSchedule																																			
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th colspan="2">Descriptions</th></tr> </thead> <tbody> <tr> <td>Year</td><td>Integer</td><td colspan="2">In yyyy format</td></tr> <tr> <td>Month</td><td>Integer</td><td colspan="2">In MM format</td></tr> <tr> <td>Day</td><td>Integer</td><td colspan="2" rowspan="8">In dd format</td></tr> </tbody> </table>				Key	Type	Descriptions		Year	Integer	In yyyy format		Month	Integer	In MM format		Day	Integer	In dd format																	
Key	Type	Descriptions																																	
Year	Integer	In yyyy format																																	
Month	Integer	In MM format																																	
Day	Integer	In dd format																																	
Example:																																			
<table border="1"> <thead> <tr> <th>Input Daily schedule</th><th colspan="3"></th></tr> </thead> <tbody> <tr> <td>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462500845713", "Name":"DAILYTEST", "Type":"DAILY", "FullBackup":true, "Time" : { "Hour":21, "Minute":30 }, "SpaceFreeUpEnabled":true, "SkipBackupEnabled":true }</td><td colspan="3" rowspan="2"></td></tr> <tr> <td colspan="4"> <table border="1"> <thead> <tr> <th>Output</th><th colspan="3"></th></tr> </thead> <tbody> <tr> <td>{"Status":"OK"}</td><td colspan="3"></td></tr> </tbody> </table> </td></tr> </tbody> </table>				Input Daily schedule				{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462500845713", "Name":"DAILYTEST", "Type":"DAILY", "FullBackup":true, "Time" : { "Hour":21, "Minute":30 }, "SpaceFreeUpEnabled":true, "SkipBackupEnabled":true }				<table border="1"> <thead> <tr> <th>Output</th><th colspan="3"></th></tr> </thead> <tbody> <tr> <td>{"Status":"OK"}</td><td colspan="3"></td></tr> </tbody> </table>				Output				{"Status":"OK"}															
Input Daily schedule																																			
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462500845713", "Name":"DAILYTEST", "Type":"DAILY", "FullBackup":true, "Time" : { "Hour":21, "Minute":30 }, "SpaceFreeUpEnabled":true, "SkipBackupEnabled":true }																																			
<table border="1"> <thead> <tr> <th>Output</th><th colspan="3"></th></tr> </thead> <tbody> <tr> <td>{"Status":"OK"}</td><td colspan="3"></td></tr> </tbody> </table>				Output				{"Status":"OK"}																											
Output																																			
{"Status":"OK"}																																			

Input Weekly schedule

```
{  
    "SysUser":"api_user",  
    "SysPwd":"abc123$%",  
    "LoginName":"user",  
    "BackupSetID": "1462500845713",  
    "Name":"WEEKLYTEST",  
    "Type":"WEEKLY",  
    "FullBackup":true,  
    "Time" : {  
        "Hour":08,  
        "Minute":00  
    },  
    "SpaceFreeUpEnabled":true,  
    "SkipBackupEnabled":true,  
    "WeekSchedule": {  
        "Sun":true,  
        "Mon":true,  
        "Tue":true,  
        "Wed":false,  
        "Thu":false,  
        "Fri":true,  
        "Sat":true  
    }  
}
```

Output

```
{"Status":"OK"}
```

Input Monthly schedule

```
{  
    "SysUser":"api_user",  
    "SysPwd":"abc123$%",  
    "LoginName":"user",  
    "BackupSetID": "1462500845713",  
    "Name":"MONTHLYTEST",  
    "Type":"MONTHLY",  
    "FullBackup":true,  
    "Time" : {  
        "Hour":19,  
        "Minute":15  
    },  
    "SpaceFreeUpEnabled":true,  
    "SkipBackupEnabled":true,  
    "MonthSchedule": {  
        "Occurrence":"First",  
        "Criteria":"Friday"  
    },  
    "MonthlyDateType":"CRITERIA"  
}
```

Output

```
{"Status":"OK"}
```

Input Custom schedule

```
{  
    "SysUser":"api_user",  
    "SysPwd":"abc123$%",  
    "LoginName":"user",  
    "BackupSetID": "1462500845713",  
    "Name":"CUSTOMTEST",  
    "Type":"CUSTOM",  
    "FullBackup":true,  
    "Time" : {  
        "Hour":22,  
        "Minute":45  
    },  
    "SpaceFreeUpEnabled":true,  
    "SkipBackupEnabled":true,  
}
```

	<pre>"CustomSchedule": { "Year":2016, "Month":06, "Day":12 }</pre>
	Output
	{"Status":"OK"}

4.2.7 UpdateSchedule

This API updates the backup schedule settings on a backup set.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set] >Choose a backup set> [Backup Schedule]

URL:		
http://BACKUP_SERVER/obs/api/json/UpdateSchedule.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
ID	String	Schedule ID Obtainable in GetBackupset API
Name	String	Schedule name
Type	String	<p>The value can be one of the following:</p> <p>DAILY WEEKLY MONTHLY CUSTOM</p>
BackupType	String	<p>The value can be empty, or one of the following:</p> <p>DATABASE DIFFERENTIAL LOG SKIP POWEROFF</p> <p>For Oracle and Lotus Domino backup set, the value must be DATABASE or LOG</p> <p>For MS SQL Server backup set, the value must be DATABASE or DIFFERENTIAL</p> <p>For Exchange Server (Exchange 2003) backup set and Shadow Protect backup set, the value must be DATABASE, DIFFERENTIAL, or LOG</p> <p>For Exchange Server backup set (Exchange 2007 or above), the value must be DATABASE or LOG</p> <p>For VMware backup sets, if version is VMware Server 1 or VMware Player, the value must be</p>

			SKIP or POWEROFF
Time	TimeBean		If it is true, the schedule backup will run until full backup completed. Otherwise, it will be stopped after the duration specified in key "Duration" of the TimeBean in key "Time".
FullBackup	Boolean		Enable to backup all files
BackupInterval	Integer		
SpaceFreeUpEnabled	Boolean		Remove obsolete files according to retention policy from backup destination according to retention policy
SkipBackupEnabled	Boolean		
WeekSchedule	WeekSchedule		Mandatory for weekly schedule
MonthSchedule	MonthSchedule		Mandatory for monthly schedule
CustomSchedule	CustomSchedule		Mandatory for custom schedule
MonthlyDateType	String		Mandatory for monthly schedule. The value can be one of the following: DATE CRITERIA
Period	String		(Optional) The following values can be set: AM PM If the parameter "Period" is specified as AM or PM then the parameter "Hour" is in 12-hour format. "1", "2", ... "12" can be set. If the parameter "Period" is not specified, then the parameter "Hour" will default to 24-hour format. "0", "1" ... "23" can be set.

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

JSON Objects:

TimeBean		
Key	Type	Descriptions
Hour	Integer	
Minute	Integer	
Duration	Integer	(optional) If no value is specified default value = -1 The value can be one of the following: until full backup completed = -1 stop backup after xx hours = 1 to 24

WeekSchedule		
Key	Type	Descriptions
Sun	Boolean	
Mon	Boolean	
Tue	Boolean	
Wed	Boolean	
Thu	Boolean	
Fri	Boolean	
Sat	Boolean	

MonthSchedule		
Key	Type	Descriptions
Occurrence	String	The value can be one of the following: First Second Third

			Fourth Last	
	Criteria		The value can be one of the following: Sunday Monday Tuesday Wednesday Thursday Friday Saturday Weekday Weekend	
	Date	Integer		
	CustomSchedule			
	Key	Type	Descriptions	
	Year	Integer	In yyyy format	
	Month	Integer	In MM format	
	Day	Integer	In dd format	
	Example:			
	Input Daily schedule			
	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462500845713", "ID": "1500412193490", "Name": "DAILYTEST", "Type": "DAILY", "FullBackup":true, "Time" : { "Hour":21, "Minute":30 }, "SpaceFreeUpEnabled":true, "SkipBackupEnabled":true }			
	Output			
	{"Status":"OK"}			
	Input Weekly schedule			
	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462500845713", "ID": "1500412193490", "Name": "WEEKLYTEST", "Type": "WEEKLY", "FullBackup":true, "Time" : { "Hour":08, "Minute":00 }, "SpaceFreeUpEnabled":true, "SkipBackupEnabled":true, "WeekSchedule": { "Sun":true, "Mon":true, "Tue":true, "Wed":false, "Thu":false, "Fri":true, "Sat":true } }			

	Output
	{"Status":"OK"}
Input Monthly schedule	
	{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1462500845713", "Name": "MONTHLYTEST", "Type": "MONTHLY", "FullBackup": true, "Time" : { "Hour":19, "Minute":15 }, "SpaceFreeUpEnabled":true, "SkipBackupEnabled":true, "MonthSchedule": { "Occurrence": "First", "Criteria": "Friday" }, "MonthlyDateType": "CRITERIA" }
	Output
	{"Status":"OK"}
Input Custom schedule	
	{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1462500845713", "ID": "1500412193490", "Name": "CUSTOMTEST", "Type": "CUSTOM", "FullBackup": true, "Time" : { "Hour":22, "Minute":45 }, "SpaceFreeUpEnabled":true, "SkipBackupEnabled":true, "CustomSchedule": { "Year": 2016, "Month": 06, "Day": 12 } }
	Output
	{"Status":"OK"}

4.2.8 RemoveSchedule

This API removes a schedule from a backupset.

The related settings can be found on the AhsayCBS web console:

- *[Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]
>Choose a backup set> [Backup Schedule]*

URL:	http://BACKUP_SERVER/obs/api/json/RemoveSchedule.do																			
Available since version:	7.3																			
Parameters:																				
<table border="1"><thead><tr><th>Key</th><th>Type</th><th>Descriptions</th></tr></thead><tbody><tr><td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr><tr><td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr><tr><td>LoginName</td><td>String</td><td>Client user name</td></tr><tr><td>BackupSetID</td><td>String</td><td>Obtainable in ListBackupsets API</td></tr><tr><td>ID</td><td>String</td><td>Schedule ID Obtainable in GetBackupset API</td></tr></tbody></table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	Client user name	BackupSetID	String	Obtainable in ListBackupsets API	ID	String	Schedule ID Obtainable in GetBackupset API
Key	Type	Descriptions																		
SysUser	String	AhsayCBS's system users with admin role																		
SysPwd	String	AhsayCBS's system users password with admin role																		
LoginName	String	Client user name																		
BackupSetID	String	Obtainable in ListBackupsets API																		
ID	String	Schedule ID Obtainable in GetBackupset API																		
Return Values:	<table border="1"><thead><tr><th>Key</th><th>Type</th><th>Descriptions</th></tr></thead><tbody><tr><td>Status</td><td>String</td><td>"OK" or "Error"</td></tr><tr><td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr><tr><td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr></tbody></table>		Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"						
Key	Type	Descriptions																		
Status	String	"OK" or "Error"																		
Message	String	Error message, it exists only if status is "Error"																		
ExptType	String	The type of exception, it exists only if status is "Error"																		
Example:																				
Input	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462500845713", "ID":"1462954693866" }																			
Output	{"Status":"OK"}																			

4.2.9 AddFilter

This API allows you to add filter to the backup source of a backupset. You can choose to include or exclude files which match a specific pattern.

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]>Choose a backup set> [Source] > Enable Apply filter to the backup source

URL:	http://BACKUP_SERVER/obs/api/json/AddFilter.do																																								
Available since version:	7.3																																								
Parameters:																																									
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td>BackupSetID</td><td>String</td><td>Obtainable in ListBackupset API</td></tr> <tr> <td>Name</td><td>String</td><td>Filter name</td></tr> <tr> <td>TopDir</td><td>String</td><td>Applying the filter to this specific folder</td></tr> <tr> <td>Type</td><td>String</td><td>The value can be one of the following: DEFAULT CUSTOM</td></tr> <tr> <td>Include</td><td>Boolean</td><td>For each of the matched files/folders under top directory: Exclude or include them</td></tr> <tr> <td>Only</td><td>Boolean</td><td>If it is set to true, it will not include all unmatched files/folders If it is set to false, it will include all unmatched files/folders</td></tr> <tr> <td>Apply2Dir</td><td>Boolean</td><td>Apply filter to files</td></tr> <tr> <td>Apply2File</td><td>Boolean</td><td>Apply filter to folders</td></tr> <tr> <td>Patterns</td><td>Array of PatternBean</td><td></td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	Client user name	BackupSetID	String	Obtainable in ListBackupset API	Name	String	Filter name	TopDir	String	Applying the filter to this specific folder	Type	String	The value can be one of the following: DEFAULT CUSTOM	Include	Boolean	For each of the matched files/folders under top directory: Exclude or include them	Only	Boolean	If it is set to true, it will not include all unmatched files/folders If it is set to false, it will include all unmatched files/folders	Apply2Dir	Boolean	Apply filter to files	Apply2File	Boolean	Apply filter to folders	Patterns	Array of PatternBean	
Key	Type	Descriptions																																							
SysUser	String	AhsayCBS's system users with admin role																																							
SysPwd	String	AhsayCBS's system users password with admin role																																							
LoginName	String	Client user name																																							
BackupSetID	String	Obtainable in ListBackupset API																																							
Name	String	Filter name																																							
TopDir	String	Applying the filter to this specific folder																																							
Type	String	The value can be one of the following: DEFAULT CUSTOM																																							
Include	Boolean	For each of the matched files/folders under top directory: Exclude or include them																																							
Only	Boolean	If it is set to true, it will not include all unmatched files/folders If it is set to false, it will include all unmatched files/folders																																							
Apply2Dir	Boolean	Apply filter to files																																							
Apply2File	Boolean	Apply filter to folders																																							
Patterns	Array of PatternBean																																								
Return Values:																																									
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"																											
Key	Type	Descriptions																																							
Status	String	"OK" or "Error"																																							
Message	String	Error message, it exists only if status is "Error"																																							
ExptType	String	The type of exception, it exists only if status is "Error"																																							
JSON Objects:																																									
PatternBean																																									
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Pattern</td><td>String</td><td></td></tr> </tbody> </table>			Key	Type	Descriptions	Pattern	String																																		
Key	Type	Descriptions																																							
Pattern	String																																								
Example:																																									
Input																																									
{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1462427376949", "Name": "filter1", "TopDir": "C:\\test", "Type": "DEFAULT", "Include": false, "Only": true, "Apply2Dir": true, "Apply2File": true, "Patterns": [{ "Pattern": ".txt" }] }																																									

	<pre> }, { "Pattern": ".png" }] } </pre>
	Output
	{"Status":"OK"}

4.2.10 UpdateFilter

This API update setting of a filter from a backup set.

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set] >Choose a backup set> [Backup Schedule]

URL:	http://BACKUP_SERVER/obs/api/json/UpdateFilter.do	
Available since version:	7.3	
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
ID	String	Filter ID, Obtainable in GetBackupset API
Name	String	Filter name
TopDir	String	Applying the filter to this specific folder
Type	String	The value can be one of the following: DEFAULT CUSTOM
Include	Boolean	For each of the matched files/folders under top directory: Exclude or include them
Only	Boolean	If it is set to true, it will not include all unmatched files/folders If it is set to false, it will include all unmatched files/folders
Apply2Dir	Boolean	Apply filter to files
Apply2File	Boolean	Apply filter to folders
Patterns	Array of PatternBean	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
PatternBean		
Key	Type	Descriptions
Pattern	String	
Example:		
Input Update the name		
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", }</pre>		

	<pre>"BackupSetID": "1462427376949", "ID": "1462435805951", "Name": "filter2updated", }</pre>
	Output
	<pre>{"Status": "OK"}</pre>
	Input Update the pattern
	<pre>{ "SysUser": "system", "SysPwd": "system", "LoginName": "opendirect", "BackupSetID": "1497925931498", "ID": "1497945864738", "Name": "testupdated", "Patterns": [{ "Pattern": ".txt123" }, { "Pattern": ".png123" }] }</pre>
	Output
	<pre>{ "Status": "OK" }</pre>

4.2.11 RemoveFilter

This API removes a filter from a backup set

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]>Choose a backup set> [Backup Schedule]

URL:	http://BACKUP_SERVER/obs/api/json/RemoveFilter.do	
Available since version:	7.3	
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
ID	String	Filter Obtainable in GetBackupset API
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
	<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user",</pre>	

	<pre>"BackupSetID": "1462427376949", "ID": "1462435805951" }</pre>
	Output
	<pre>{"Status":"OK"}</pre>

4.2.12 AddBackupSet

This API allows you to create a new backupset in a user.

The related settings can be found on the AhsayCBS web console:

- ▶ *[Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]*

URL:		
		http://BACKUP_SERVER/obs/api/json/AddBackupSet.do
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetName	String	Name of the new backup set
BackupsetType	String	<p>Backup type of the new backup set</p> <p>The value can be set to one of the following:</p> <p>FILE Cloud File Lotus Domino Lotus Notes Microsoft Exchange Server Microsoft Exchange Mail (MAPI) Microsoft SQL Server Microsoft Windows Virtualization Microsoft Windows System Backup MySQL Oracle Database Server ShadowProtect Bare Metal System State VMware Virtualization Office 365 Exchange Online</p> <p>Default value is FILE if BackupsetType is not specified</p>
BackupMode	String	<p>Mandatory for BackupsetType = "Microsoft SQL Server"</p> <p>Backup mode of MSSQL backup set 0: VSS 1: ODBC (for v7.11.0.0 or above)</p>
VmVersion	String	<p>Mandatory for BackupsetType = "VMware Virtualization"</p> <p>The value for be set to one of the following</p> <p>APPVERSION_ESX_V2 (VMware ESX 4) APPVERSION_ESXI_V2 (VMware ESXi 4 or above) APPVERSION_VMSERVER1 (VMware Server 1) APPVERSION_VMSERVER2 (VMware Server 2) APPVERSION_WORKSTATION (VMware Workstation 6 / 6.5 / 7) APPVERSION_WORKSTATION8 (VMware Workstation 8 or above) APPVERSION_PLAYER (VMware Player 3 / 4 / 5 / 6 / 7 / VMware Workstation Player 12)</p>

			APPVERSION_FUSION (<i>VMware Fusion 3 / 4</i>) APPVERSION_FUSION5 (<i>VMware Fusion 5 / 6 / 7 / 8</i>) APPVERSION_VCENTER_V2 (<i>VMware vCenter 4 or above</i>)
	MsVmVersion	String	Mandatory for BackupSetType = "Microsoft Windows Virtualization" The value can be set to one of the following: Microsoft Hyper-V Server Microsoft Hyper-V Server R2 Microsoft Hyper-V Server R2 (Failover Cluster) Microsoft Hyper-V Server 2012 Microsoft Hyper-V Server 2012 (Failover Cluster) Microsoft Hyper-V Server 2012 R2 Microsoft Hyper-V Server 2012 R2 (Failover Cluster) Microsoft Hyper-V Server 2016 R2 (for 7.11.0.0 or above) Microsoft Hyper-V Server 2016 R2 (Failover Cluster) (for 7.11.0.0 or above)
	Version	String	Mandatory for BackupSetType = "Microsoft Exchange Server" The value can be set to one of the following: 8 (MS Exchange Server 2007) 14 (MS Exchange Server 2010) 15 (MS Exchange Server 2013) 15.1 (MS Exchange Server 2016) DAG (MS Exchange Server 2010 (DAG)) (for 7.7.0.0 or above) DAG13 (MS Exchange Server 2013 (DAG)) DAG16 (MS Exchange Server 2016 (DAG)) (for 7.7.0.0 or above)
	MsMAPIExVersion	String	Mandatory for BackupSetType = "Microsoft Exchange Mail (MAPI)" The value can be set to one of the following: 8 (MS Exchange Server 2007) 14 (MS Exchange Server 2010) 15 (MS Exchange Server 2013) 15.1 (MS Exchange Server 2016) (for v7.15.0.0 or above) DAG (MS Exchange Server 2010 (DAG)) DAG13 (MS Exchange Server 2013 (DAG)) DAG16 (MS Exchange Server 2016 (DAG)) (for v7.15.0.0 or above)
	EncryptionType	String	Available for AhsayCBS on 7.7.2.24 or above Encryption type of a new backup set The value can be set to one of the following: 1. "DEFAULT" 2. "PASSWORD" (for AhsayCBS & AhsayOBM/AhsayACB on 7.11.0.0 or above) 3. "CUSTOM" 4. "" = No Encryption If the Encryption Type is not provided to the API = Encryption type not defined, This require the end user to define the Encryption type in the AhsayOBM/AhsayACB client for the backup set. If the EncryptionType = PASSWORD the BackupUserPassword must be specified.
	BackupUserPassword	String	Available for AhsayCBS & AhsayOBM/AhsayACB on 7.11.0.0 or above Used when EncryptionType = PASSWORD The BackupUserPassword must match with the existing user login password on the AhsayOBM/AhsayACB user account. Otherwise return error "The Backup User Password does not match with the existing user password"

	Algorithm	String	<p>Available for AhsayCBS on 7.7.2.24 or above</p> <p>Encryption algorithm of the new backup set</p> <p>The value can be set to one of the following:</p> <p>Twofish DESede AES</p> <p>Default to AES if not provided</p>
	Method	String	<p>Available for AhsayCBS on 7.7.2.24 or above</p> <p>Encryption method of the new backup set</p> <p>The value can be set to one of the following</p> <p>ECB CBC</p> <p>Default to CBC if not provided</p>
	Length	String	<p>Available for AhsayCBS on 7.7.2.24 or above</p> <p>Encryption key length (128-bit / 256-bit)</p> <p>The value can be set to one of the following:</p> <p>128 256</p> <p>Default to 256 if not provided</p>
	Key	String	<p>Available for AhsayCBS on 7.7.2.24 or above</p> <p>Encryption key of the backup set</p> <p>The value cannot be empty</p>
	RunOnServer	Boolean	<p>Run on Server setting for Cloud File and Office 365 mail backup set</p> <p>If this setting is set to “True”, “EncryptionType” cannot be set to empty.</p>
	DestinationList	Array of Destination	<p>Available for AhsayCBS on 7.9.2.8 or above</p> <p>(Optional)</p>
	EnableOpenDirect	Boolean	<p>Enable the feature of open direct.</p> <p>Note: Once it is enabled or disabled , it cannot be changed later on.</p>
Return Values:			
	Key	Type	Descriptions
	Status	String	“OK” or “Error”
	BackupSetID	String	Backup Set ID of the created backup set
	Message	String	Error message, it exists only if status is “Error”
	ExptType	String	The type of exception, it exists only if status is “Error”
JSON Objects:			
Destination			
	Key	Type	Descriptions
	Type	String	<p>The value can be one of the following:</p> <p>OBS Local</p>
	Name	String	<p>(optional)</p> <p>If blank and the Type=OBS” the default value for the Name is “CBS”.</p> <p>If blank and the Type=“Local” ” the default value for the Name is “Local”.</p>
Example:			
	Input		

<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetName": "Test_Name", "BackupSetType": "FILE", "EncryptionType": "CUSTOM", "Algorithm": "AES", "Method": "ECB", "Length": "256", "Key": "123456", "DestinationList": [{ "Name": "dest_CBS", "Type": "OBS", }, { "Name": "dest_Local", "Type": "Local", "TopDir": "D:\\test" }] }</pre>
Output
<pre>{ "Status": "OK", "BackupSetID": "1487661755456" }</pre>

4.2.13 AddAllowedIP

This API allows you to add a range of IP of users which are allowed to perform restore in their computers.

The related settings can be found on the AhsayCBS web console:

- *[Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set] > Choose a backup set >[IP Allowed for Restore]*

URL:		
http://BACKUP_SERVER/obs/api/json/AddAllowedIP.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
NewAllowedIP	AllowedIPBean	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
AllowedIPBean		
Key	Type	Descriptions

StartIP	String	
EndIP	String	
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462427376949", "NewAllowedIP": { "StartIP": "1.1.1.1", "EndIP": "255.255.255.255" } }		
Output		
{"Status":"OK"}		

4.2.14 RemoveAllowedIP

This API allows you to remove a IP range from the allowed IP list. Users whose ip is not in the allowed ip list are not able to perform restore in their computers.

The related settings can be found on the AhsayCBS web console:

- ⑤ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set] > Choose a backup set >[IP Allowed for Restore]

URL:																				
http://BACKUP SERVER/obs/api/json/RemoveAllowedIP.do																				
Available since version:																				
7.3																				
Parameters:																				
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td>BackupSetID</td><td>String</td><td>Obtainable in ListBackupsets API</td></tr> <tr> <td>AllowedIP</td><td>String</td><td>ID of allowed IP to remove</td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	Client user name	BackupSetID	String	Obtainable in ListBackupsets API	AllowedIP	String	ID of allowed IP to remove
Key	Type	Descriptions																		
SysUser	String	AhsayCBS's system users with admin role																		
SysPwd	String	AhsayCBS's system users password with admin role																		
LoginName	String	Client user name																		
BackupSetID	String	Obtainable in ListBackupsets API																		
AllowedIP	String	ID of allowed IP to remove																		
Return Values:																				
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"						
Key	Type	Descriptions																		
Status	String	"OK" or "Error"																		
Message	String	Error message, it exists only if status is "Error"																		
ExptType	String	The type of exception, it exists only if status is "Error"																		
Example:																				
Input																				
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID": "1462427376949", "AllowedIP": "1462437395739" }																				
Output																				
{ "Status":"OK"}																				

4.2.15 DeleteBackupData

This API only works for backups from version 6 or older backup clients.

URL:		
http://BACKUP_SERVER/obs/api/json/DeleteBackupData.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Either backup set ID or backup set name should be provided
BackupSetName	String	Either backup set ID or backup set name should be provided
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

4.2.16 DeleteBackupFile

This API only works for backups from version 6 or older backup clients.

URL:		
http://BACKUP_SERVER/obs/api/json/DeleteBackupFile.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetName	String	Backup set name
InBackupJob	String	Backup Job ID
Path	String	Path to the backup files
Type	String	The value can be one of the following: F D I
BackupByJob	String	Backup Job ID
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

4.2.17 DeleteBackupSet

This API allows you to delete a backup set of a user.

URL:		
http://BACKUP_SERVER/obs/api/json/DeleteBackupSet.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Backup set ID
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example 1:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1462500608140" }		
Output		
{"Status":"OK"}		
Example 2: Backup Set contains non-AhsayCBS destination		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user1", "BackupSetID":"146251678140" }		
Output		
{"Status":"Error","Message":"Cannot delete the backup set 'default-backup-set-name-1(1497858269570)' because the standard destination 'DestinationPool-1' is used. Please delete the backup set via backup client console.", "ExptType":"com.ahsay.obs.core.dbs.c"}		
Example 3: Login name does not exist or incorrect		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user12", "BackupSetID":"146251678140" }		
Output		
{"Status":"Error","Message":"[UserCacheManager.NoSuchUserExpt] User 'user12' not found.", "ExptType":"com.ahsay.obs.core.dbs.Y"}		
Example 4: Backup Set ID is in correct		

Input	
{	"SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user12", "BackupSetID":"146251678140"
Output	
{	"Status":"Error", "Message":"Backup set '1497858261234' not found", "ExptType":"com.ahsay.obs.core.dbs.c"}

4.2.18 GetBackupJobProgress

This API allows you to get the information of a backup job.

The related settings can be found on the AhsayCBS web console:

- [Monitoring]>[Backup/Restore Logs]> [Backup Jobs]

URL:		
http://BACKUP_SERVER/obs/api/json/GetBackupJobProgress.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListbackupSets API
DestinationID	String	Obtainable in GetbackupSets API
BackupJobID	String	Obtainable in GetbackupSets API
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Record	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Record		
Key	Type	Descriptions
ID	String	
LoginName	String	Client user name
Owner	String	
UserId	String	
StartTime	String	In yyyy-MM-dd HH:mm:ss format
EndTime	String	In yyyy-MM-dd HH:mm:ss format
BackupSetID	String	
BackupSetName	String	
CurrentFilename	String	
FileUploadTime	String	In yyyy-MM-dd HH:mm:ss format
CurrentFileCount	String	
TotalFileCount	String	
UploadedFileSize	String	
TotalFileSize	String	
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%",		

	<pre> "LoginName":"user", "BackupSetID": "1462427376949", "DestinationID": "1462437395739", "BackupJobID": "2017-06-16-13-59-40" } </pre>
	<p>Output</p> <pre> { "Status": "OK", "Data": { "TotalFileCount": "35", "CurrentFilename": "", "Owner": "", "UploadedFileSize": "55920392", "TotalFileSize": "55920392", "LoginName": "opendirect", "ID": "2017-06-16-13-59-40", "BackupSetName": "default-backup-set-name-1", "EndTime": "2017-06-16 14:00:24", "BackupSetID": "1497592595428", "StartTime": "2017-06-16 13:59:41", "UserId": "opendirect", "CurrentFileCount": "0", "FileUploadTime": "" } } </pre>

4.2.19 GetBackupSet

This API allows you to get the settings of a backup set.

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]
>Choose a backup set

URL:	http://BACKUP_SERVER/obs/api/json/GetBackupSet.do																
Available since version:	7.3																
Parameters:																	
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td>BackupSetID</td><td>String</td><td>Obtainable in ListBackupsets API</td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	Client user name	BackupSetID	String	Obtainable in ListBackupsets API
Key	Type	Descriptions															
SysUser	String	AhsayCBS's system users with admin role															
SysPwd	String	AhsayCBS's system users password with admin role															
LoginName	String	Client user name															
BackupSetID	String	Obtainable in ListBackupsets API															
Return Values:																	
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Data</td><td>Backup Set</td><td></td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Data	Backup Set		Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"
Key	Type	Descriptions															
Status	String	"OK" or "Error"															
Data	Backup Set																
Message	String	Error message, it exists only if status is "Error"															
ExptType	String	The type of exception, it exists only if status is "Error"															
JSON Objects:																	
<p>Backup Set</p> <p>Refer to the input parameters of UpdateBackupSet API</p>																	
Example:																	
	Input																
	<pre> { "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1447039383821" } </pre>																

Output

```
{  
    "Status": "OK",  
    "Data": {  
        "CloudName": "",  
        "ProxySettings": null,  
        "ReminderSettings": {  
            "ReadOnly": false,  
            "BackupIntervalHour": 0,  
            "OfflineNotificationDay": 7,  
            "AllowMultiple": false,  
            "OfflineBackupEnabled": false,  
            "OfflineBackupReminderComputerName": "",  
            "Id": "",  
            "BackupIntervalDay": 1,  
            "ShowOfflineBackupReminder": true,  
            "LogoutBackupReminderEnabled": false,  
            "KeyName": "com.ahsay.obx.cxp.obs.ReminderSettings",  
            "LogoutBackupReminderComputerName": ""  
        },  
        "InFileDeltaSettings": {  
            "ReadOnly": false,  
            "WeeklyInFileDeltaSchedule": {  
                "Day": [  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    ""  
                ]  
            },  
            "Enabled": true,  
            "MinDeltaFileSize": 26214400,  
            "MaxNumOfDelta": 100,  
            "MaxDeltaRatio": 50,  
            "AllowMultiple": false,  
            "MonthlyInFileDeltaSchedule": {  
                "Date": 0,  
                "Criteria": "Friday",  
                "Month": [  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    "",  
                    ""  
                ],  
                "Occurrence": "First"  
            },  
            "UploadFullIfGenDeltaFailed": true,  
            "Id": "",  
            "DeltaBlockSize": -1,  
            "DeltaMergeEnabled": false,  
            "DefaultDeltaType": "I",  
            "KeyName": "com.ahsay.obx.cxp.cloud.InFileDeltaSettings"  
        },  
        "CompressType": "",  
        "EnsureTopDirExistenceInLogin": true,  
        "UploadPermission": true,  
        "ApplicationSupportOpenDirect": true,  
        "AllowedIPList": [  
            {}  
        ]  
    }  
}
```

```

        "ReadOnly": false,
        "AllowMultiple": true,
        "Id": "1434946034908",
        "StartIP": "0.0.0.0",
        "KeyName": "com.ahsay.obx.cxp.obs.AllowedIP",
        "EndIP": "255.255.255.255"
    }
],
"Delete": false,
"EncryptionKey": "47DEQpj8HBSa+/TImW+5JCeuQeRkm5NMpJWZG3hSuFU=",
"RunBackupSettings": {
    "ReadOnly": false,
    "Enabled": false,
    "AllowMultiple": false,
    "BackupType": "",
    "DestinationIDList": [],
    "Id": "",
    "BackupJobID": "",
    "KeyName": "com.ahsay.obx.cxp.cloud.RunBackupSettings"
},
"OpenDirectEnabled": true,
"ApplicationSupportHyperVRunDirect": false,
"DeltaType": "I",
"CdpSettingsV6": {
    "ReadOnly": false,
    "Attributes": [],
    "ValueSize": 9,
    "SubKeySize": 1,
    "NestedValues": [],
    "AttributeSize": 0,
    "BackupType": "",
    "Type": "all-volume",
    "MinUpdateInterval": 10,
    "TimeMarkInterval": 60,
    "Priority": -1,
    "MaxFileSize": -1,
    "ComputerName": "",
    "AllowMultiple": true,
    "SubKeys": [
        {
            "ConsiderCpuUsage": false,
            "ObserveInputForSecond": 60,
            "CpuUsage": 5,
            "ConsiderNetworkTraffic": false,
            "NetworkTraffic": 131072,
            "ConsiderInput": false
        }
    ],
    "Enable": false,
    "ExcludeSystemFiles": true,
    "FilterList": [],
    "InheritParentAttribs": false,
    "Content": "",
    "CdpBackupControlSettings": {
        "ConsiderCpuUsage": false,
        "ObserveInputForSecond": 60,
        "CpuUsage": 5,
        "ConsiderNetworkTraffic": false,
        "NetworkTraffic": 131072,
        "ConsiderInput": false
    },
    "Version": "v6",
    "SelectedSourceList": [],
    "KeyName": "com.ahsay.obx.cxp.obs.CdpSettings"
},
"CdpSettingsV7": {
    "ReadOnly": false,
    "Attributes": [],
    "ValueSize": 9,
    "SubKeySize": 1,
    "NestedValues": []
}

```

	<pre> "AttributeSize": 0, "BackupType": "", "Type": "all-volume", "MinUpdateInterval": 10, "TimeMarkInterval": 60, "Priority": -1, "MaxFileSize": -1, "ComputerName": "", "AllowMultiple": true, "SubKeys": [{ "ConsiderCpuUsage": false, "ObserveInputForSecond": 60, "CpuUsage": 5, "ConsiderNetworkTraffic": false, "NetworkTraffic": 131072, "ConsiderInput": false }], "Enable": false, "ExcludeSystemFiles": true, "FilterList": [], "InheritParentAttribs": false, "Content": "", "CdpBackupControlSettings": { "ConsiderCpuUsage": false, "ObserveInputForSecond": 60, "CpuUsage": 5, "ConsiderNetworkTraffic": false, "NetworkTraffic": 131072, "ConsiderInput": false }, "Version": "v7", "SelectedSourceList": [], "KeyName": "com.ahsay.obx.cxp.obs.CdpSettings" }, "Version7Checked": true, "ApplicationSettings": { "ReadOnly": false, "AllowMultiple": false, "WindowsOutlook": false, "@class": "com.ahsay.obx.cxp.cloud.FileSettings", "WindowsOutlookExpress": false, "WindowsDesktop": false, "Id": "", "Version": "", "WindowsMyDocuments": false, "WindowsMail": false, "WindowsFavourites": false, "WindowsLiveMail": false, "KeyName": "com.ahsay.obx.cxp.cloud.FileSettings" }, "class": "com.ahsay.obx.cxp.obs.BackupSet", "ReadOnlySourceList": [], "FilterSettings": { "ReadOnly": false, "Enabled": false, "AllowMultiple": false, "FilterList": [], "Id": "", "KeyName": "com.ahsay.obx.cxp.obs.FilterSettings" }, "ScheduleSettings": { "ReadOnly": false, "ComputerName": "", "CustomScheduleList": [], "AllowMultiple": false, "Enable": false, "WeeklyScheduleList": [], "MonthlyScheduleList": [], "DailyScheduleList": [{ "Day": "Monday" }] }] </pre>
--	--

```
{
    "ReadOnly": false,
    "Exact": true,
    "@class": "com.ahsay.obx.cxp.obs.DailySchedule",
    "BackupInterval": -1,
    "BackupType": "",
    "V6BackupType": "",
    "LastUpdateTime": 1496974288546,
    "SkipBackupEnabled": false,
    "Name": "Backup Schedule",
    "AllowMultiple": true,
    "Hour": 21,
    "SpaceFreeUpEnabled": false,
    "Duration": -1,
    "Minute": 0,
    "Id": "1496974288546",
    "KeyName": "com.ahsay.obx.cxp.obs.DailySchedule"
},
],
"Id": "",
"KeyName": "com.ahsay.obx.cxp.obs.ScheduleSettings"
},
"EncryptionSettings": {
    "ReadOnly": false,
    "KeyType": "hash",
    "AllowMultiple": false,
    "KeyLength": 128,
    "Key": "47DEQpj8HBSa+/TImW+5JCeUQeRkm5NMpJWZG3hSuFU=",
    "Type": "DEFAULT",
    "Id": "",
    "Algorithm": "",
    "Mode": "",
    "KeyName": "com.ahsay.obx.cxp.cloud.EncryptionSettings"
},
"Os": "",
"DestinationSettings": {
    "ReadOnly": false,
    "AllowMultiple": false,
    "MaxDestination": 1,
    "ConcurrencyLevel": 1,
    "Id": "",
    "DestinationList": [],
    "KeyName": "com.ahsay.obx.cxp.obs.DestinationSettings"
},
"Id": "1497251840402",
"ReadOnlySelectedSourceKeyList": [],
"BackupJobName": "2017-06-12-15-23-00",
"LogoutType": "",
"EnableBackupEFSFile": true,
"DeleteTempFile": true,
"ShadowCopyEnabled": true,
"EffectiveFilterList": [],
"TotalQuota": 0,
"LanPassword": "",
>Type": "FILE",
"LogRetentionDays": 60,
"NoBackupSourceSelected": false,
"TotalUploaded": 0,
"ApplicationSupportVMwareRunDirect": false,
"ClientVersion": "",
"WorkingDir": "${sys.user.home}/.temp",
"AllHostClientVersion": null,
"LanUsername": "",
"RunOnServer": false,
"PreCommandList": [],
"SettingsMigrated": true,
"TimeZone": "Asia/Hong_Kong",
"SelectedSourceList": [
    "${sys.user.home}"
],
"DisplayedDestination": null
}
```

```

    "LocalCopySettings": {
        "ReadOnly": false,
        "Enabled": false,
        "DestinationPath": "/LocalBackup",
        "AllowMultiple": false,
        "SetPermission": false,
        "Id": "",
        "SkipOffsiteBackup": false,
        "Zip": false,
        "LocalCopyRetentionPolicySettings": {
            "ReadOnly": false,
            "Period": 7,
            "Enabled": true,
            "AllowMultiple": false,
            "Id": "",
            "Unit": "DAYS",
            "KeyNames": "com.ahsay.obx.cxp.obs.LocalCopyRetentionPolicySettings"
        },
        "KeyNames": "com.ahsay.obx.cxp.obs.LocalCopySettings"
    },
    "VerifyBucketLocationInLogin": true,
    "RetentionPolicySettings": {
        "ReadOnly": false,
        "Period": 7,
        "AllowMultiple": false,
        "OverlapSensitive": false,
        "Type": "SIMPLE",
        "Id": "",
        "AdvancedRetentionPolicyList": [],
        "Unit": "DAYS",
        "KeyNames": "com.ahsay.obx.cxp.cloud.RetentionPolicySettings"
    },
    "DefaultBSetSettings": {
        "ReadOnly": false,
        "Owner": "",
        "EnfBSet": false,
        "AllowMultiple": false,
        "Category": "",
        "DefBSet": false,
        "Id": "",
        "KeyNames": "com.ahsay.obx.cxp.obs.DefaultBSetSettings"
    },
    "Owner": null,
    "PostCommandList": [],
    "LocalFilesBackup": true,
    "TransferSize": 131072,
    "BandwidthControlSettings": {
        "ReadOnly": false,
        "Enabled": false,
        "AllowMultiple": false,
        "BandwidthControlList": [],
        "Id": "",
        "Mode": "independent",
        "KeyNames": "com.ahsay.obx.cxp.cloud.BandwidthControlSettings"
    },
    "V6Passwords": {
        "ReadOnly": false,
        "AllowMultiple": false,
        "WinUserAuthPassword": "",
        "ApplicationPassword": "",
        "Id": "",
        "KeyNames": "com.ahsay.obx.cxp.obs.V6Passwords"
    },
    "LanDomain": "",
    "ApplicationSupportRunDirect": false,
    "FollowLink": true,
    "DataMigrationSettings": {
        "ReadOnly": false,
        "SpaceFreeUpLastAccess": 0,
        "AllowMultiple": false,
        "MigrationProgress": {

```

```

        "ReadOnly": false,
        "NumOfCompletedFiles": 0,
        "AllowMultiple": false,
        "TotalNumOfFiles": 0,
        "Id": "",
        "CurrentMigratingFilePath": "",
        "KeyName": "com.ahsay.obx.cxp.obs.MigrationProgressBean"
    },
    "Id": "",
    "IntegrityCheckLastAccess": 0,
    "DataMigrationMappingStart": false,
    "KeyName": "com.ahsay.obx.cxp.obs.DataMigrationSettings"
},
"Name": "opendirect - Run on Server - Default",
"BackupTypes": [],
"ReadOnlyDeselectedSourceKeyList": [],
"ResolvedFromDefaultBset": false,
"DeselectedSourceList": [],
"EffectiveOwner": "_",
"UsedQuota": 0
}
}

```

4.2.20 ListBackupFiles

This API only works for backups from version 6 or older backup clients.

URL:		
ListBackupFiles.do">http://BACKUP SERVER/obs/api/json>ListBackupFiles.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
BackupJobID	String	Obtainable in GetBackupsets API
Path	String	Path to the backup files
ListAll	Boolean	If it is true, all files are listed, starting from root directory
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Array of Backup File	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Backup File		
Key	Type	Descriptions
Type	String	D is for directory, and F is for file
Name	String	
FullPath	String	Path to the file
OriginalFileSize	Long	
FileSize	Long	
BackuptedByJob	String	
InBackupJob	String	
LastModified	Long	
Example:		
Input		

	<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "legacyuser01" }</pre>
	Output
	<pre>{ "Status": "OK", "Data": [{ "Name": "b1", "Type": "FILE", "ID": "1493865532152" }] }</pre>

4.2.21 ListBackupJobMode

This API list all backup jobs information at a date specified.

The related settings can be found on the AhsayCBS web console:

- ⌚ [Monitoring]>[Backup/Restore Logs]> [Backup Jobs]

URL:	ListBackupJobMode.do">http://BACKUP_SERVER/obs/api/json>ListBackupJobMode.do	
Available since version:	7.3	
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
BackupDate	String	In yyyy-MM-dd format
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Array of Record	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Record		
Key	Type	Descriptions
ID	String	
LoginName	String	Client user name
Owner	String	
UserId	String	
StartTime	String	In yyyy-MM-dd HH:mm:ss format
EndTime	String	In yyyy-MM-dd HH:mm:ss format
BackupSetID	String	
BackupSetName	String	
BackupJobMode	String	
Example:		

Input	
	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupDate": "2016-05-05" }
Output	
	[{"Status":"OK","Data":[{"Owner":"","LoginName":"user","ID":"2016-05-05-13-51-27","BackupJobMode":"M","BackupSetName":"default-backup-set-name-1","EndTime":"2016-05-05 13:51:58","BackupSetID":"1462427376949","StartTime":"2016-05-05 13:51:28","UserId":"user"}]}]

4.2.22 ListBackupJobs

This API shows a basic information of all backup jobs of a user.

The related settings can be found on the AhsayCBS web console:

▶ [Monitoring]>[Backup/Restore Logs]> [Backup Jobs]

URL:		
ListBackupJobs.do">http://BACKUP_SERVER/obs/api/json>ListBackupJobs.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
SkipEmpty	Boolean	If it is true, backup set with no files is skipped
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Array of Backup Set	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Backup Set		
Key	Type	Descriptions
BackupSetID	String	
Removed	Boolean	Shows whether the backup set is removed
BackupJob	Array of String	
Example:		
Input		
	{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user" }	
Output		
	[{"Status":"OK","Data":[{"BackupJob":["2016-05-05-13-51-27"],"BackupSetID":"1462427376949","Removed":false}]}]	

4.2.23 ListBackupJobStatus

This API shows detailed information such like destination ID and job status of all backup job at a specific date.

The related settings can be found on the AhsayCBS web console:

⌚ [Monitoring]>[Backup/Restore Logs]> [Backup Jobs]

URL:	ListBackupJobStatus.do">http://BACKUP_SERVER/obs/api/json>ListBackupJobStatus.do																																																																													
Available since version:	7.5																																																																													
Parameters:																																																																														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>Owner</td><td>String</td><td>Sub admin username (if applicable)</td></tr> <tr> <td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td>BackupDate</td><td>String</td><td>In yyyy-MM-dd format</td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	Owner	String	Sub admin username (if applicable)	LoginName	String	Client user name	BackupDate	String	In yyyy-MM-dd format																																																										
Key	Type	Descriptions																																																																												
SysUser	String	AhsayCBS's system users with admin role																																																																												
SysPwd	String	AhsayCBS's system users password with admin role																																																																												
Owner	String	Sub admin username (if applicable)																																																																												
LoginName	String	Client user name																																																																												
BackupDate	String	In yyyy-MM-dd format																																																																												
Return Values:																																																																														
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Data</td><td>Array of Record</td><td></td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Data	Array of Record		Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"																																																													
Key	Type	Descriptions																																																																												
Status	String	"OK" or "Error"																																																																												
Data	Array of Record																																																																													
Message	String	Error message, it exists only if status is "Error"																																																																												
ExptType	String	The type of exception, it exists only if status is "Error"																																																																												
JSON Objects:																																																																														
<table border="1"> <thead> <tr> <th>Record</th><th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>ID</td><td>String</td><td></td><td></td></tr> <tr> <td>LoginName</td><td>String</td><td></td><td>Client user name</td></tr> <tr> <td>Owner</td><td>String</td><td></td><td>Sub admin username (if user owned by sub admin)</td></tr> <tr> <td>UserId</td><td>String</td><td></td><td></td></tr> <tr> <td>StartTime</td><td>String</td><td></td><td>In yyyy-MM-dd HH:mm:ss format</td></tr> <tr> <td>EndTime</td><td>String</td><td></td><td>In yyyy-MM-dd HH:mm:ss format</td></tr> <tr> <td>BackupJobStatus</td><td>String</td><td></td><td>Job status. BS_STOP_SUCCESS if successful backup. It varies with the errors found if failed the bacup.</td></tr> <tr> <td>BackupSetID</td><td>String</td><td></td><td></td></tr> <tr> <td>BackupSetName</td><td>String</td><td></td><td></td></tr> <tr> <td>UploadSize</td><td>String</td><td></td><td></td></tr> <tr> <td>RunVersion</td><td>String</td><td></td><td></td></tr> <tr> <td>SuccessDatabase</td><td>String</td><td></td><td></td></tr> <tr> <td>MissedDatabase</td><td>String</td><td></td><td></td></tr> <tr> <td>SuccessVirtualMachine</td><td>String</td><td></td><td>If backup is VM type, SuccessPublicFolder is returned instead.</td></tr> <tr> <td>MissedVirtualMachine</td><td>String</td><td></td><td>If backup is VM type, MissedPublicFolder is returned instead.</td></tr> <tr> <td>SuccessPublicFolder</td><td>String</td><td></td><td>Only returned if backup is VM type</td></tr> <tr> <td>MissedPublicFolder</td><td>String</td><td></td><td>Only returned if backup is VM type</td></tr> <tr> <td>DestinationID</td><td>String</td><td></td><td></td></tr> </tbody> </table>			Record	Key	Type	Descriptions	ID	String			LoginName	String		Client user name	Owner	String		Sub admin username (if user owned by sub admin)	UserId	String			StartTime	String		In yyyy-MM-dd HH:mm:ss format	EndTime	String		In yyyy-MM-dd HH:mm:ss format	BackupJobStatus	String		Job status. BS_STOP_SUCCESS if successful backup. It varies with the errors found if failed the bacup.	BackupSetID	String			BackupSetName	String			UploadSize	String			RunVersion	String			SuccessDatabase	String			MissedDatabase	String			SuccessVirtualMachine	String		If backup is VM type, SuccessPublicFolder is returned instead.	MissedVirtualMachine	String		If backup is VM type, MissedPublicFolder is returned instead.	SuccessPublicFolder	String		Only returned if backup is VM type	MissedPublicFolder	String		Only returned if backup is VM type	DestinationID	String		
Record	Key	Type	Descriptions																																																																											
ID	String																																																																													
LoginName	String		Client user name																																																																											
Owner	String		Sub admin username (if user owned by sub admin)																																																																											
UserId	String																																																																													
StartTime	String		In yyyy-MM-dd HH:mm:ss format																																																																											
EndTime	String		In yyyy-MM-dd HH:mm:ss format																																																																											
BackupJobStatus	String		Job status. BS_STOP_SUCCESS if successful backup. It varies with the errors found if failed the bacup.																																																																											
BackupSetID	String																																																																													
BackupSetName	String																																																																													
UploadSize	String																																																																													
RunVersion	String																																																																													
SuccessDatabase	String																																																																													
MissedDatabase	String																																																																													
SuccessVirtualMachine	String		If backup is VM type, SuccessPublicFolder is returned instead.																																																																											
MissedVirtualMachine	String		If backup is VM type, MissedPublicFolder is returned instead.																																																																											
SuccessPublicFolder	String		Only returned if backup is VM type																																																																											
MissedPublicFolder	String		Only returned if backup is VM type																																																																											
DestinationID	String																																																																													
Example:																																																																														
<table border="1"> <thead> <tr> <th>Input</th><th>Output</th></tr> </thead> <tbody> <tr> <td> <pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "Owner": "subadmin1", "LoginName": "user", "BackupDate": "2016-05-05" }</pre> </td><td> <pre>{}</pre> </td><td></td></tr> </tbody> </table>			Input	Output	<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "Owner": "subadmin1", "LoginName": "user", "BackupDate": "2016-05-05" }</pre>	<pre>{}</pre>																																																																								
Input	Output																																																																													
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "Owner": "subadmin1", "LoginName": "user", "BackupDate": "2016-05-05" }</pre>	<pre>{}</pre>																																																																													

	<pre> "Status":"OK", "Data": [{ "Owner":"subadmin1", "RunVersion":"7.6.6.0", "MissedPublicFolder":"", "LoginName":"user", "BackupSetName":"default-backup-set-name-1", "MissedDatabase":"", "UserId":"user", "BackupJobStatus":"BS_STOP_SUCCESS", "UploadSize":2815658, "SuccessDatabase":"", "DestinationID":1462427482126, "ID":2016-05-05-13-51-27, "EndTime":2016-05-05 13:51:58, "StartTime":2016-05-05 13:51:28, "BackupSetID":1462427376949, "SuccessPublicFolder" }] } </pre>
--	---

4.2.24 ListBackupSets

This API shows name,type and ID of all backup sets of a user.

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]

URL:		
ListBackupSets.do">http://BACKUP_SERVER/obs/api/json>ListBackupSets.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Array of Backup Set	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Backup Set		
Key	Type	Descriptions
ID	String	
Name	String	
Type	String	The value can be one of the following: FILE Cloud File Lotus Domino Lotus Notes Microsoft Exchange Server Microsoft Exchange Mail (MAPI) Microsoft SQL Server

		Microsoft Windows Virtualization Microsoft Windows System Backup MySQL Oracle Database Server ShadowProtect Bare Metal System State VMware Virtualization Office 365 Exchange Online
Example:		
Input <pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user" }</pre>		
Output <pre>{ "Status":"OK", "Data":[{ "Name":"backupset-test", "Type":"FILE", "ID":"1447039383821" }] }</pre>		

4.2.25 RunBackup

This API allows you to run or cancel running a backup set of a user.

URL:		
http://BACKUP_SERVER/obs/api/json/RunBackup.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
CancelBackup	Boolean	The default value is false
BackupType	String	It must be empty for File, MySQL, Lotus Notes, System State, MS Exchange Mail, MS Windows Server 2008, MS VM, VMware, Cloud File, and Office 365 Exchange Online backup sets. It can be one of the following values: DATABASE LOG COPY DIFFERENTIAL INCREMENTAL
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Array of Backup Set	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		

Input	<pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"username", "BackupSetID":"1462518403716" }</pre>
Output	{"Status":"OK"}

4.2.26 AddPreCommand

This API allows you to add pre-backup command to a backup set. Added command will run before the backup takes action.

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]> Choose a backup set >[Command Line Tool]

URL:	http://BACKUP_SERVER/obs/api/json/AddPreCommand.do																									
Available since version:	7.3																									
Parameters:																										
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>SysUser</td><td>String</td><td>AhsayCBS's system users with admin role</td></tr> <tr> <td>SysPwd</td><td>String</td><td>AhsayCBS's system users password with admin role</td></tr> <tr> <td>LoginName</td><td>String</td><td>Client user name</td></tr> <tr> <td>BackupSetID</td><td>String</td><td>Obtainable in ListBackupsets API</td></tr> <tr> <td>Name</td><td>String</td><td>Command Name</td></tr> <tr> <td>WorkingDir</td><td>String</td><td>Directory where the command takes place</td></tr> <tr> <td>Command</td><td>String</td><td></td></tr> </tbody> </table>			Key	Type	Descriptions	SysUser	String	AhsayCBS's system users with admin role	SysPwd	String	AhsayCBS's system users password with admin role	LoginName	String	Client user name	BackupSetID	String	Obtainable in ListBackupsets API	Name	String	Command Name	WorkingDir	String	Directory where the command takes place	Command	String	
Key	Type	Descriptions																								
SysUser	String	AhsayCBS's system users with admin role																								
SysPwd	String	AhsayCBS's system users password with admin role																								
LoginName	String	Client user name																								
BackupSetID	String	Obtainable in ListBackupsets API																								
Name	String	Command Name																								
WorkingDir	String	Directory where the command takes place																								
Command	String																									
Return Values:																										
<table border="1"> <thead> <tr> <th>Key</th><th>Type</th><th>Descriptions</th></tr> </thead> <tbody> <tr> <td>Status</td><td>String</td><td>"OK" or "Error"</td></tr> <tr> <td>Message</td><td>String</td><td>Error message, it exists only if status is "Error"</td></tr> <tr> <td>ExptType</td><td>String</td><td>The type of exception, it exists only if status is "Error"</td></tr> </tbody> </table>			Key	Type	Descriptions	Status	String	"OK" or "Error"	Message	String	Error message, it exists only if status is "Error"	ExptType	String	The type of exception, it exists only if status is "Error"												
Key	Type	Descriptions																								
Status	String	"OK" or "Error"																								
Message	String	Error message, it exists only if status is "Error"																								
ExptType	String	The type of exception, it exists only if status is "Error"																								
Example:																										
Input	<pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "Name":"test", "WorkingDir":"test", "Command":"test" }</pre>																									
Output	{ "Status":"OK"}																									

4.2.27 UpdatePreCommand

This API updates a precommand from a backup set of a user

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]> Choose a backup set >[Command Line Tool]

URL:		
http://BACKUP_SERVER/obs/api/json/UpdatePreCommand.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
ID	Long	Command ID, Obtainable in GetBackupset API
Name	String	Command Name
WorkingDir	String	Directory where the command takes place
Command	String	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input	Update name	
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1497925931498", "ID":" 1497950369669", "Name","newname" }		
Output	{ "Status":"OK"}	
Example:	Input	
Update command content		
{ "SysUser":"api_user",		

	<pre>"SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1497925931498", "ID":" 1497950369669", "Command":"newcommand" }</pre>
	Output
	{"Status":"OK"}
Example:	
	Input Update working directory
	<pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1497925931498", "ID":" 1497950369669", "WorkingDir":"newworkingdir" }</pre>
	Output
	{"Status":"OK"}

4.2.28 RemovePreCommand

This API removes a precommand from a backup set of a user.

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]> Choose a backup set >[Command Line Tool]

URL:	http://BACKUP_SERVER/obs/api/json/RemovePreCommand.do	
Available since version:		
	7.3	
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
ID	String	ID of precommand. Obtainable in GetBackupSet API.
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
	Input	
	<pre>{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821", "ID":"1447039523357" }</pre>	
	Output	
	{"Status":"OK"}	

4.2.29 AddPostCommand

This API adds a post command for a backup set of a user.

The related settings can be found on the AhsayCBS web console:

- ▶ [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]> Choose a backup set >[Command Line Tool]

URL:		
http://BACKUP_SERVER/obs/api/json/AddPostCommand.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
Name	String	Command Name
WorkingDir	String	Directory where the command takes place
Command	String	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1447039383821",		

	"Name":"test2", "WorkingDir":"test2", "Command":"test2" }
	Output
	{"Status":"OK"}

4.2.30 UpdatePostCommand

This API updates a post command for a backupset of a user.

The related settings can be found on the AhsayCBS web console:

- [Backup/Restore]>[User, Groups & Policies]> [Backup user]> Choose a user >[Backup Set]> Choose a backup set >[Command Line Tool]

URL:	http://BACKUP_SERVER/obs/api/json/UpdatePostCommand.do	
Available since version:	7.3	
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
ID	Long	Command ID, Obtainable in GetBackupset API
Name	String	Command Name
WorkingDir	String	Directory where the command takes place
Command	String	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input Update name		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1497925931498", "ID":" 1497950369669", "Name":"newname" }		
Output		
{"Status":"OK"}		
Example:		
Input Update command content		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LoginName":"user", "BackupSetID":"1497925931498", "ID":" 1497950369669", "Command":"newcommand" }		
Output		
{"Status":"OK"}		
Example:		

Input Update working directory

```
{
  "SysUser": "api_user",
  "SysPwd": "abc123$%",
  "LoginName": "user",
  "BackupSetID": "1497925931498",
  "ID": "1497950369669",
  "WorkingDir": "newworkingdir"
}
```

Output

```
{"Status": "OK"}
```

4.2.31 RemovePostCommand

This API removes a post command in a backup set of a user

URL:

http://BACKUP_SERVER/obs/api/json/RemovePostCommand.do

Available since version:

7.3

Parameters:

Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
BackupSetID	String	Obtainable in ListBackupsets API
ID	Long	Command ID, Obtainable in GetBackupset API

Return Values:

Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"

Example:

Input
{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1447039383821", "ID": "1447039761786" }
Output
{"Status": "OK"}

4.3 Report

4.3.1 GetBackupJobReport

This API retrieves a detailed report of a particular backup job.

The related settings can be found on the AhsayCBS web console:

- ▶ [Monitoring]>[Backup/Restore Logs]> [Backup Jobs]

URL:		
http://BACKUP SERVER/obs/api/json/GetBackupJobReport.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name . To remove multiple users, join their login names, separated with “*”
Owner	String	To remove multiple users, join their owner, separated with “*”
BackupSetID	String	Obtainable in GetBackupset API
DestinationID	String	For backup run by OBM v6 or older, this parameter can be omitted. For backup run by OBM 7, this parameter must be provided to get correct result.
BackupJobID	String	Obtainable in GetBackupset API
Cdp	Boolean	
Return Values:		
Key	Type	Descriptions
Status	String	“OK” or “Error”
Data	Report	
Message	String	Error message, it exists only if status is “Error”
ExptType	String	The type of exception, it exists only if status is “Error”
JSON Objects:		
Report		
Key	Type	Descriptions
ID	String	
StartTime	String	In yyyy-MM-dd HH:mm:ss format
EndTime	String	In yyyy-MM-dd HH:mm:ss format
BackupJobStatus	String	Job status. BS_STOP_SUCCESS if successful backup. It varies with the errors found if failed the bacup.
NumOfWarnEntries	Long	
NumOfErrorEntries	Long	
NumOfNewFiles	Long	
TotalNewFileSize	Long	
TotalUnzipNewFileSize	Long	
NewFilesZipRatio	Long	
NumOfUpdatedFiles	Long	
TotalUpdatedFileSize	Long	
TotalUnzipUpdatedFileSize	Long	
UpdatedFilesZipRatio	Long	
NumOfUpdatedPermissionFiles	Long	
TotalUpdatedPermissionFileSize	Long	
TotalUnzipUpdatedPermissionFilesSize	Long	
UpdatedPermissionFilesZipRatio	Long	
NumOfDeletedFiles	Long	
TotalDeletedFileSize	Long	
TotalUnzipDeletedFileSize	Long	

	DeletedFilesZipRatio	Long	
	NumOfMovedFiles	Long	
	TotalMovedFileSize	Long	
	TotalUnzipMovedFileSize	Long	
	MovedFilesZipRatio	Long	
	SuccessDatabase	Long	This key does not exist in VM backup
	MissedDatabase	Long	This key does not exist in VM backup
	SuccessVirtualMachine	Long	This key exists in VM backup only
	MissedVirtualMachine	Long	This key exists in VM backup only
	SuccessPublicFolder	Long	
	MissedPublicFolder	Long	
	info	Array of InfoLog	
	new	Array of FileLog	
	upd	Array of FileLog	
	pmt	Array of FileLog	
	del	Array of FileLog	
	mov	Array of MoveLog	
	cpy	Array of FileLog	
<hr/>			
	InfoLog		
	Key	Type	Descriptions
	Type	String	
	LogType	String	
	Timestamp	String	In yyyy/MM/dd HH:mm:ss format
	Message	String	
<hr/>			
	FileLog		
	Key	Type	Descriptions
	Type	String	
	LastModified	String	In yyyy/MM/dd HH:mm:ss format
	Name	String	
	FileSize	Long	
	UnzipFileSize	Long	
	Ratio	String	
<hr/>			
	MoveLog		
	Key	Type	Descriptions
	Type	String	
	LastModified	String	In yyyy/MM/dd HH:mm:ss format
	FromFile	String	
	ToFile	String	
	FileSize	Long	
	UnzipFileSize	Long	
	Ratio	String	
<hr/>			
	Example:		
	Input		
	{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1462427376949", "BackupJobID": "2016-05-05-13-51-27", "DestinationID": "1462427482126" }		
	Output		
	{ "Status": "OK",		

```

    "Data": {
        "TotalUnzipCopiedFileSize": 0,
        "TotalUnzipMovedFileSize": 0,
        "Logs": [
            {
                "Message": "Saving encrypted backup set encryption keys to server...",
                "Type": "info",
                "LogType": "info",
                "Timestamp": "2016/05/05 13:51:28"
            },
            {
                "Message": "Start running pre-commands",
                "Type": "info",
                "LogType": "info",
                "Timestamp": "2016/05/05 13:51:29"
            },
            {
                "Message": "Finished running pre-commands",
                "Type": "info",
                "LogType": "info",
                "Timestamp": "2016/05/05 13:51:29"
            },
            {
                "Message": "Contact your service provider to enable [Volume Shadow Copy] support",
                "Type": "info",
                "LogType": "info",
                "Timestamp": "2016/05/05 13:51:31"
            },
            {
                "Message": "Start running post-commands",
                "Type": "info",
                "LogType": "info",
                "Timestamp": "2016/05/05 13:51:58"
            },
            {
                "Message": "Finished running post-commands",
                "Type": "info",
                "LogType": "info",
                "Timestamp": "2016/05/05 13:51:58"
            },
            {
                "FileSize": 8192,
                "Name": "C:\\",
                "Type": "new",
                "Ratio": "0%",
                "UnzipFileSize": 8192,
                "LastModified": "2016-04-13 14:08:24"
            },
            {
                "FileSize": 4096,
                "Name": "C:\\\\Users",
                "Type": "new",
                "Ratio": "0%",
                "UnzipFileSize": 4096,
                "LastModified": "2016-04-13 14:21:26"
            },
            {
                "FileSize": 8192,
                "Name": "C:\\\\Users\\\\Administrator",
                "Type": "new",
                "Ratio": "0%",
                "UnzipFileSize": 8192,
                "LastModified": "2016-05-05 13:51:29"
            },
            {
                "FileSize": 4096,
                "Name": "C:\\\\Users\\\\Administrator\\\\Documents",
                "Type": "new",
                "Ratio": "0%",
                "UnzipFileSize": 4096,
                "LastModified": "2016-05-05 13:50:16"
            }
        ]
    }
}

```

```

},
{
  "FileSize": 0,
  "Name": "C:\\Users\\Administrator\\Music",
  "Type": "new",
  "Ratio": "0%",
  "UnzipFileSize": 0,
  "LastModified": "2013-02-08 15:14:45"
},
{
  "FileSize": 0,
  "Name": "C:\\Users\\Administrator\\Pictures",
  "Type": "new",
  "Ratio": "0%",
  "UnzipFileSize": 0,
  "LastModified": "2013-02-08 15:14:45"
},
{
  "FileSize": 0,
  "Name": "C:\\Users\\Administrator\\Videos",
  "Type": "new",
  "Ratio": "0%",
  "UnzipFileSize": 0,
  "LastModified": "2013-02-08 15:14:45"
},
{
  "FileSize": 2814829,
  "Name": "C:\\Users\\Administrator\\Documents\\obm-win-60443-10.0.0.78-https.exe",
  "Type": "new",
  "Ratio": "5%",
  "UnzipFileSize": 2968432,
  "LastModified": "2016-04-29 15:23:44"
},
{
  "FileSize": 195,
  "Name": "C:\\Users\\Administrator\\Documents\\desktop.ini",
  "Type": "new",
  "Ratio": "51%",
  "UnzipFileSize": 402,
  "LastModified": "2013-02-08 15:14:45"
},
{
  "FileSize": 211,
  "Name": "C:\\Users\\Administrator\\Music\\desktop.ini",
  "Type": "new",
  "Ratio": "58%",
  "UnzipFileSize": 504,
  "LastModified": "2013-02-08 15:14:45"
},
{
  "FileSize": 210,
  "Name": "C:\\Users\\Administrator\\Pictures\\desktop.ini",
  "Type": "new",
  "Ratio": "58%",
  "UnzipFileSize": 504,
  "LastModified": "2013-02-08 15:14:45"
},
{
  "FileSize": 0,
  "Name": "C:\\Users\\Administrator\\Documents\\My Music",
  "Type": "new",
  "Ratio": "0%",
  "UnzipFileSize": 0,
  "LastModified": "2013-02-08 15:14:40"
},
{
  "FileSize": 213,
  "Name": "C:\\Users\\Administrator\\Videos\\desktop.ini",
  "Type": "new",
  "Ratio": "57%",
  "UnzipFileSize": 504,

```

```

        "LastModified": "2013-02-08 15:14:45"
    },
    {
        "FileSize": 0,
        "Name": "C:\\Users\\Administrator\\Documents\\My Pictures",
        "Type": "new",
        "Ratio": "0%",
        "UnzipFileSize": 0,
        "LastModified": "2013-02-08 15:14:40"
    },
    {
        "FileSize": 0,
        "Name": "C:\\Users\\Administrator\\Documents\\My Videos",
        "Type": "new",
        "Ratio": "0%",
        "UnzipFileSize": 0,
        "LastModified": "2013-02-08 15:14:40"
    }
],
"MissedPublicFolder": "",
"NumOfCopiedFiles": 0,
"NumOfNewFiles": 5,
"BackupJobStatus": "BS_STOP_SUCCESS",
"TotalMovedFileSize": 0,
"FromIp": "10.10.0.1",
"NumOfErrorEntries": 0,
"NumOfDeletedFiles": 0,
"NumOfDeletedLinkDirCount": 0,
"TotalDeletedFileSize": 0,
"MovedFilesZipRatio": "0%",
"TotalUpdatedPermissionFileSize": 0,
"ID": "2016-05-05-13-51-27",
"NumOfWarnEntries": 0,
"NumOfMovedFiles": 0,
"StartTime": "2016-05-05 13:51:28",
"SuccessPublicFolder": "",
"TotalCopiedSize": 0,
"DeletedFilesZipRatio": "0%",
"NumOfUpdatedPermissionFiles": 0,
"NumOfDeletedLinkFileCount": 0,
"NumOfUpdatedFiles": 0,
"TotalUnzipUpdatedPermissionFileSize": 0,
"UpdatedPermissionFilesZipRatio": "0%",
"NumOfNewLinkFileCount": 0,
"MissedDatabase": "",
"NewFilesZipRatio": "5%",
"TotalUnzipUpdatedFileSize": 0,
"UpdatedFilesZipRatio": "0%",
"NumOfNewLinkDirCount": 3,
"CopiedFilesZipRatio": "0%",
"TotalUpdatedFileSize": 0,
"SuccessDatabase": "",
"NumOfNewDirCount": 7,
"NumOfDeletedDirCount": 0,
"EndTime": "2016-05-05 13:51:58",
"TotalUnzipDeletedFileSize": 0,
"TotalNewFileSize": 2815658,
"TotalUnzipNewFileSize": 2970346
}
}

```

4.3.2 GetBackupJobReportSummary

This API retrieves a summary report of a backup job.

The related settings can be found on the AhsayCBS web console:

- [Monitoring]>[Backup/Restore Logs]> [Backup Jobs]

URL:		
http://BACKUP_SERVER/obs/api/json/GetBackupJobReportSummary.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
Owner	String	
BackupSetID	String	Obtainable in GetBackupset API
DestinationID	String	For backup run by OBM v6 or older, this parameter can be omitted. For backup run by OBM 7, this parameter must be provided to get correct result.
BackupJobID	String	Obtainable in GetBackupset API
Cdp	Boolean	Continuous Data Protection
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Report	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Report		
Key	Type	Descriptions
ID	String	ID of the report
StartTime	String	In yyyy-MM-dd HH:mm:ss format
EndTime	String	In yyyy-MM-dd HH:mm:ss format
BackupJobStatus	String	Job status. BS_STOP_SUCCESS if successful backup. It varies with the errors found if failed the bacup.
NumOfWarnEntries	Long	Number of warning during backup
NumOfErrorEntries	Long	Number of error during backup
NumOfNewFiles	Long	Number of new files backup
TotalNewFileSize	Long	Total size of new files backup
NumOfUpdatedFiles	Long	Number of files updated
TotalUpdatedFileSize	Long	Total size of updated files.
NumOfDeletedFiles	Long	Number of files deleted
TotalDeletedFileSize	Long	Total size of deleted files
NumOfMovedFiles	Long	Number of files moved
TotalMovedFileSize	Long	Total size of moved files
NumOfUpdatedPermissionFiles	Long	Number of files permission updated
TotalUpdatedPermissionFileSize	Long	Total size of files permission updated
SuccessDatabase	Long	This key does not exist in VM backup
MissedDatabase	Long	This key does not exist in VM backup
SuccessVirtualMachine	Long	This key exists in VM backup only
MissedVirtualMachine	Long	This key exists in VM backup only
SuccessPublicFolder	Long	
MissedPublicFolder	Long	
Example:		
Input		
<pre>{ "SysUser": "api_user", "SysPwd": "abc123\$%", "LoginName": "user", "BackupSetID": "1462427376949", "BackupJobID": "2016-05-05-13-51-27", "DestinationID": "1462427482126" }</pre>		

Output	
<pre>{ "Status": "OK", "Data": { "NumOfUpdatedPermissionFiles": 0, "NumOfUpdatedFiles": 0, "MissedPublicFolder": "", "NumOfCopiedFiles": 0, "NumOfNewFiles": 5, "MissedDatabase": "", "BackupJobStatus": "BS_STOP_SUCCESS", "TotalMovedFileSize": 0, "NumOfErrorEntries": 0, "NumOfDeletedFiles": 0, "TotalDeletedFileSize": 0, "TotalUpdatedFileSize": 0, "SuccessDatabase": "", "TotalUpdatedPermissionFileSize": 0, "ID": "2016-05-05-13-51-27", "NumOfMovedFiles": 0, "NumOfWarnEntries": 0, "EndTime": "2016-05-05 13:51:58", "StartTime": "2016-05-05 13:51:28", "TotalNewFileSize": 2815658, "SuccessPublicFolder": "", "TotalCopiedSize": 0 } }</pre>	

4.3.3 GetRestoreJobReport

This API retrieves a detailed report of a restore job.

The related settings can be found on the AhsayCBS web console:

- *[Monitoring]>[Backup/Restore Logs]> [Restore Jobs]*

URL:		
http://BACKUP_SERVER/obs/api/json/GetRestoreJobReport.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LoginName	String	Client user name
Owner	String	
BackupSetID	String	Obtainable in GetBackupset API
JobID	String	ID of restore job. Obtainable in GetBackupset API
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Report	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Report		
Key	Type	Descriptions
ID	String	
StartTime	Long	

	EndTime	Long	
	FromIp	String	Restore from Ip
	DestinationID	String	Restore to ID
	Status	String	<p>This key exists if restore is run by 7 client only</p> <p>The value can be one of the following:</p> <p>RESTORE_STOP_SUCCESS_WITH_ERROR RESTORE_STOP_SUCCESS_WITH_WARNING RESTORE_STOP_SUCCESS RESTORE_STOP_BY_USER RESTORE_STOP_BY_ERROR</p>
	TotalFileCount	Long	Total file restored
	TotalFileSize	Long	Total files size restored
	Logs	Array of Log	
	Log		
Key	Type	Descriptions	
Type	String	<p>The value can be one of the following:</p> <p>file info</p>	
StartTime	Long		
EndTime	Long		
Name	String		
FileSize	Long		
UncompressedSize	Long		
LastModified	Long		
Message	String	This key exists only if "Type" is "info".	
LogType	String	This key exists only if "Type" is "info".	
Timestamp	String	This key exists only if "Type" is "info". It is in yyyy/MM/dd hh:mm:ss format	

5 RPS API

5.1 RPS Receiver

5.1.1 ListReceiver

This API lists all the receiver and their settings in replication.

The related settings can be found on the AhsayCBS web console:

▶ [Replication]>[Accepting Data]> [Receiver]

URL:		
ListReceiver.do">http://BACKUP_SERVER/rps/api/json>ListReceiver.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Data	Report	
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
Receiver		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Id	Long	If this value is 0, a new receiver is created. If a new receiver is created, all parameters are mandatory
ReplicationEnabled	Boolean	Enable replication of the receiver
LoginName	String	The login name of the replication receiver
Password	String	The password of the replication receiver
Alias	String	
ListenPort	Integer	Listen port of the source backup server
SystemHome	String	The system home for this replication receiver.
RestoreRunning	Boolean	Restore the replication snapshot.
TrafficLimits	Array of TrafficLimit	Limit the usage of network bandwidth by the replication service.
UserHomeMappings	Array of UserHomeMapping	The source backup server user home location.
RestoringPath	String	
IPRestrictions	Array of IPRestriction	This is to restrict the range of IP to access this receiver.
RestoreStatus	String	
ObsVersion	Integer	
ObsHost	String	
ObsProtocol	String	
ObsSysUser	String	The system user login of the backup server
ObsSysPwd	String	The system user password login of the backup server
ObsPort	Integer	
RestorePointInterval	Integer	
CrcEnabled	Boolean	Cyclic Redundancy Check (CRC) Checking

	CrcHour	Integer	Monthly at HH:MM
TrafficLimit			
	Key	Type	Descriptions
	Id	Long	
	Name	String	
	Always	Boolean	
	FromDayOfWeek	Integer	
	FromHour	Integer	
	FromMin	Integer	
	ToDayOfWeek	Integer	
	ToHour	Integer	
	ToMin	Integer	
	MaxTransferRate	Long	
UserHomeMapping			
	Key	Type	Descriptions
	RPSDir	String	
	OBSHome	String	
IPRestriction			
	Key	Type	Descriptions
	Id	Long	
	From	String	
	To	String	
Example:			
	Input		
	{ "SysUser":"api_user", "SysPwd":"abc123\$%" }		
	Output		
	{ >Status": "OK", >Data": [{ "CrcHour": 0, "ListenHost": "0.0.0.0", "LoginName": "test", "Update": false, >Password": "abc123\$%", "V6ReplicationEnabled": false, "CrcMinute": 0, "RestoringPath": "", "ListenPort": 9444, "TrafficLimit": {}}, "RestoreRunning": false, "UserHomeMappings": []}, "RestoreDir": "", "RestoreStatus": "", "IPRestrictions": [], "ObsVersion": 1, "LatestSnapshot": "", "ObsHost": "10.120.30.11", "ObsProtocol": "http", "MigrateFromV6": false, "ObsSysUser": "system", "ReplicationEnabled": false, "RestorePointInterval": 30, "BlockCount": 0, "ObsPort": 80, "Alias": "", "RestoreDisableStop": false, "CrcEnabled": false, "Id": 1,], "RestoreDir": "", "RestoreStatus": "", "IPRestrictions": [], "ObsVersion": 1, "LatestSnapshot": "", "ObsHost": "10.120.30.11", "ObsProtocol": "http", "MigrateFromV6": false, "ObsSysUser": "system", "ReplicationEnabled": false, "RestorePointInterval": 30, "BlockCount": 0, "ObsPort": 80, "Alias": "", "RestoreDisableStop": false, "CrcEnabled": false, "Id": 1, }		

	<pre> "RetentionCustomizationPolicy": 60, "TrafficLimits": [], "ObsSysPwd": "system", "SystemHome": "/usr/local/cbs_7_12.4/system/rps/rcvshome/test" }] } </pre>
--	---

5.1.2 UpdateReceivers

This API updates the setting of a receiver in replication.

The related settings can be found on the AhsayCBS web console:

- *[Replication]>[Accepting Data]> [Receiver]*

URL:		
		http://BACKUP_SERVER/rps/api/json/UpdateReceivers.do
Available since version:		
		7.5
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Id	Long	If this value is 0, a new receiver is created. If a new receiver is created, all parameters are mandatory
ReplicationEnabled	Boolean	Enable replication of the receiver
LoginName	String	The login name of the replication receiver
Password	String	The password of the replication receiver
Alias	String	
ListenPort	Integer	Listen port of the source backup server
SystemHome	String	The system home for this replication receiver.
RestoreRunning	Boolean	Restore the replication snapshot.
TrafficLimits	Array of TrafficLimit	Limit the usage of network bandwidth by the replication service.
UserHomeMappings	Array of UserHomeMapping	The source backup server user home location.
RestoringPath	String	
IPRestrictions	Array of IPRestriction	This is to restrict the range of IP to access this receiver.
RestoreStatus	String	
ObsVersion	Integer	
ObsHost	String	
ObsProtocol	String	
ObsSysUser	String	The system user login of the backup server
ObsSysPwd	String	The system user password login of the backup server
ObsPort	Integer	
RestorePointInterval	Integer	
CrcEnabled	Boolean	Cyclic Redundancy Check (CRC) Checking
CrcHour	Integer	Monthly at HH:MM
CrcMinute	Integer	Monthly at HH:MM
MigrateFromV6	Boolean	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
TrafficLimit		

TrafficLimit		
Key	Type	Descriptions
Id	Long	Id of the trafficlimit
Name	String	
Always	Boolean	Always apply the settings
FromDayOfWeek	Integer	Only applicable when Always set to false
FromHour	Integer	Only applicable when Always set to false
FromMin	Integer	Only applicable when Always set to false
ToDayOfWeek	Integer	Only applicable when Always set to false
ToHour	Integer	Only applicable when Always set to false
ToMin	Integer	Only applicable when Always set to false
MaxTransferRate	Long	
UserHomeMapping		
Key	Type	Descriptions
RPSDir	String	
OBSHome	String	
IPRestriction		
Key	Type	Descriptions
Id	Long	
From	String	
To	String	

Example:

Input
{ "SysUser":"api_user", "SysPwd":"abc123\$", "Id":"1", "ReplicationEnabled":true, "LoginName":"dummyUser", "Password":"dummyPassword", "Alias":"test", "SystemHome":"C:\\\", "ObsVersion":0, "RestorePointInterval":30, "RetentionCustomizationPolicy":40, "CrcEnabled":false, "CrcHour":0, "CrcMinute":0, "ListenHost":"0.0.0.0", "ListenPort":9444, "obsHost":"test", "ObsSysUser":"api_user", "ObsSysPwd":"abc123\$", "TrafficLimits":[{"Id":1, "Name":"4096","ToDayOfWeek":1,"ToHour":0,"MaxTransferRate":4096,"FromHour":0,"TransferRateUnit":0,"FromMin":0,"Always":false,"ToMin":0,"FromDayOfWeek":1,"Class": "com.ahsay.cbs.rps.config.receiver.EditTrafficLimitBean"}], "V6ReplicationEnabled":false }

Output
{ >Status: "OK" }

Input Disable replication
{ "SysUser":"api_user", "SysPwd":"abc123\$", "Id":"1", "ReplicationEnabled":false, "LoginName":"dummyUser", "Password":"dummyPassword", "Alias":"test", "SystemHome":"C:\\\", "ObsVersion":0, "RestorePointInterval":30, }

```

    "RetentionCustomizationPolicy":40,
    "CrcEnabled":false,
    "CrcHour":0,
    "CrcMinute":0,
    "ListenHost":"0.0.0.0",
    "ListenPort":9444,
    "obsHost":"test",
    "ObsSysUser":"api_user",
    "ObsSysPwd":"abc123$%",
    "TrafficLimits":[{"Id":1,
    "Name":4096,"ToDayOfWeek":1,"ToHour":0,"MaxTransferRate":4096,"FromHour":0,"TransferRateUnit":0,"FromMin":0,"Always":false,"ToMin":0,"FromDayOfWeek":1,"Class": "com.ahsay.cbs.rps.config.receiver.EditTrafficLimitBean"}],
    "V6ReplicationEnabled":false
}

```

Output

```
{
  "Status": "OK"
}
```

5.1.3 RemoveReceiver

This API removes a receiver in replication.

The related settings can be found on the AhsayCBS web console:

▶ [Replication]>[Accepting Data]> [Receiver]

URL:		
http://BACKUP_SERVER/rps/api/json/RemoveReceiver.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
Id	Long	
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "Id":1, }		
Output		
{"Status":"OK"}		

6 RDR API

6.1 RDR License

6.1.1 UpdateLicense

This API updates the licensee name and license key on the AhsayCBS server for the redirector.

The related settings can be found on the AhsayCBS web console:

- ▶ *[System Settings]>[License]> [Redirector]*

URL:		
http://BACKUP_SERVER/rdr/api/json/UpdateLicense.do		
Available since version:		
7.3		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
LicenseeName	String	Licensee name of redirector key
LicenseKey	String	Product Key for redirector
UseProxy	Boolean	Enable / Disable the use of proxy defined in the AhsayCBS to connect the internet.
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
Example:		
Input		
{ "SysUser":"api_user", "SysPwd":"abc123\$%", "LicenseeName": "ABC_Backup", "LicenseKey": "XyZ98-AbcDE-fGhIJ-98bcd-YZ" }		
Output 1		
{ "Status":"OK", "Key":"XyZ98-AbcDE-fGhIJ-98bcd-YZ", "Deactivated":false, "Licensee":"ABC_Backup" }		
Output 2		
{ "Status":"OK","Key":"XyZ98-AbcDE-fGhIJ-98bcd-YZ","Deactivated":false,"Info": "Internal Error 1012. Please press the [Update] button in license page to correct this problem. If the problem persists, please contact our technical support team to resolve this problem.", "Licensee": "ABC_Backup" }		
Output 3		
{ "Status":"Error","Message":"License key incorrect. Please try again." }		
Output 4		

	<pre>{ "Status": "OK", "Key": "XyZ98-ABCDE-fGhIJ-98bcd-YZ", "Deactivated": false, "Info": "[OEM License.checkLicTime] License expired on 1970-01-01. Backup server is stopped.", "Licensee": "ABC_Backup" }</pre>
--	---

6.2 Server Config

6.2.1 UpdateServerConfig

This API updates a RDR sever configuration.

The related settings can be found on the AhsayCBS web console:

- ▶ [Redirection] > [Hosting a redirector] > [Server Configuration]

URL:		
http://BACKUP_SERVER/rdr/api/json/UpdateServerConfig.do		
Available since version:		
7.5		
Parameters:		
Key	Type	Descriptions
SysUser	String	AhsayCBS's system users with admin role
SysPwd	String	AhsayCBS's system users password with admin role
SkipDuplicateUserCheck	Boolean	Do not check duplicate users
BackupServers	Array	Redirector will redirect user to these backup servers
EnableRdr	Boolean	
FreeTrialServer	Integer	ID of the backup server for free trial registration
Return Values:		
Key	Type	Descriptions
Status	String	"OK" or "Error"
Message	String	Error message, it exists only if status is "Error"
ExptType	String	The type of exception, it exists only if status is "Error"
JSON Objects:		
BackupServers		
Key	Type	Descriptions
Id	Long	
Enabled	Boolean	
HttpEnabled	Boolean	
SslEnabled	Boolean	
LoginName	String	
Password	String	
Hostname	String	
HttpPort	Integer	
SslPort	Integer	
Class	String	The value must be "com.ahsay.cbs.rdr.config.system.EditServerConfigBean\$BackupServerBean"
Example:		
Input		
<pre>{ "SysUser": "system", "SysPwd": "system", "BackupServers": [{ "Id": "1", "Enabled": true, "HttpEnabled": true,</pre>		

```
"SslEnabled":false,  
"LoginName":"system",  
"Password":"system",  
"Hostname":"10.16.30.11",  
"HttpPort":80,  
"SslPort":443,  
"Class":"com.ahsay.cbs.rdr.config.system.EditServerConfigBean$BackupServerBean"  
}  
],  
"SkipDuplicateUserCheck":false,  
"EnableRdrFreeTrial":false  
}  
}
```

Output

```
{"Status":"OK"}
```

7 Further Information

If you have any question or suggestion about this document, please send an email to our [support team](#) via our [forum](#).

Appendix

Appendix A Supported Language Code

Please refer to Appendix A of our [AhsayCBS Administrator's Guide](#) for details.

Appendix B Supported Time zones

Timezone String	Timezone Name
GMT-11:00 (NUT)	Niue Time
GMT-11:00 (SST)	Samoa Standard Time
GMT-10:00 (CKT)	Cook Islands Time
GMT-10:00 (HADT)	Hawaii-Aleutian Daylight Time
GMT-10:00 (HST)	Hawaiian Standard Time
GMT-10:00 (TAHT)	Tahiti Time
GMT-09:00 (AKDT)	Alaska Standard Time
GMT-09:00 (GAMT)	Gambier Time
GMT-08:00 (PDT)	Pacific Daylight Time (North America)
GMT-08:00 (PST)	Pacific Standard Time (North America)
GMT-07:00 (MDT)	Mountain Daylight Time
GMT-07:00 (MST)	Mountain Standard Time
GMT-06:00 (CST)	Central Standard Time
GMT-06:00 (EAST)	Easter Island Time
GMT-06:00 (GALT)	Galapagos Time
GMT-05:00 (CDT)	Central Daylight Time (North America)
GMT-05:00 (COT)	Colombia Time
GMT-05:00 (ECT)	Ecuador Time
GMT-05:00 (EST)	Eastern Standard Time (North America)
GMT-05:00 (PET)	Peru Time
GMT-04:00 (ACT)	Acre Time
GMT-04:00 (ADT)	Acre Daylight Time Atlantic Standard Time
GMT-04:00 (AMT)	Armenia Time
GMT-04:00 (AST)	Atlantic Standard Time
GMT-04:00 (BOT)	Bolivia Time
GMT-04:00 (CLT)	Chile Time
GMT-04:00 (EDT)	Eastern Daylight Time
GMT-04:00 (GYT)	Guyana Time
GMT-04:00 (PYT)	Paraguay Time
GMT-03:00 (ART)	Argentina Time
GMT-03:00 (BET)	Brazil Eastern Time
GMT-03:00 (BRT)	Brasilia Time
GMT-03:00 (FKT)	Falkland Islands
GMT-03:00 (GFT)	Guiana Time
GMT-03:00 (PMDT)	Pierre & Miquelon Daylight Time
GMT-03:00 (SRT)	Suriname Time
GMT-03:00 (UYT)	Uruguay Time
GMT-03:00 (WGST)	West Greenland Summer Time
GMT-02:00 (FNT)	Fernando de Noronha Time
GMT-02:00 (GST)	Gulf Standard Time
GMT-01:00 (AZOST)	Azores Summer Time
GMT-01:00 (CVT)	Cape Verde Time
GMT-01:00 (EGST)	East Greenland Summer Time
GMT-01:00 (EGT)	East Greenland Time
GMT+00:00 (BST)	Brazil Standard Time
GMT+00:00 (GMT)	Greenwich Mean Time
GMT+00:00 (IST)	Israel Standard Time
GMT+00:00 (UTC)	Coordinate Universal Time
GMT+00:00 (WEST)	Western European Summer Time
GMT+00:00 (WET)	Western European Time
GMT+01:00 (CET)	Central European Time
GMT+01:00 (WAT)	West Africa Time
GMT+02:00 (CAT)	Central Africa Time
GMT+02:00 (CEST)	Central European Summer Time
GMT+02:00 (EEST)	Eastern European Summer Time
GMT+02:00 (EET)	Eastern European Time
GMT+02:00 (IDT)	Israel Daylight Time
GMT+02:00 (SAST)	South Africa Standard Time
GMT+03:00 (ADT)	Acre Daylight Time
GMT+03:00 (AST)	Acre Standard Time
GMT+03:00 (EAT)	East Africa Time
GMT+04:00 (AMST)	Armenia Summer Time
GMT+04:00 (AZST)	Azerbaijan Summer Time
GMT+04:00 (GEST)	Georgia Time

GMT+04:00 (GST)	Gulf Standard Time
GMT+04:00 (MSD)	Moscow Daylight Time
GMT+04:00 (MUT)	Mauritius Time
GMT+04:00 (RET)	Reunion Time
GMT+04:00 (SAMST)	Samara Time
GMT+04:00 (SCT)	Seychelles Time
GMT+05:00 (AQST)	Aqtai Summer Time
GMT+05:00 (MAWT)	Mawson Time
GMT+05:00 (MVT)	Maldives Time
GMT+05:00 (PKT)	Pakistan Time
GMT+05:00 (TFT)	French Southern & Antarctic Lands Time
GMT+05:00 (TJT)	Tajikistan Time
GMT+05:00 (TMT)	Turkmenistan Time
GMT+05:00 (UZT)	Uzbekistan Time
GMT+06:00 (ALMST)	Almaty Summer Time
GMT+06:00 (BDT)	Bangladesh Time
GMT+06:00 (BTT)	Bhutan Time
GMT+06:00 (IOT)	Indian Ocean Territory Time
GMT+06:00 (KGST)	Kyrgyzstan Summer Time
GMT+06:00 (YEKST)	Yekaterinburg Summer Time
GMT+07:00 (CXT)	Christmas Island Time
GMT+07:00 (ICT)	Indochina Time
GMT+07:00 (JAVT)	Java Time, Indonesia Time
GMT+07:00 (NOVT)	Novosibirsk Time
GMT+08:00 (BNT)	Brunei Darussalam Time
GMT+08:00 (BORT)	Borneo Time
GMT+08:00 (CST)	Cuba Standard Time
GMT+08:00 (HKT)	Hong Kong Time
GMT+08:00 (KRAT)	Krasnoyarsk Time
GMT+08:00 (MYT)	Malaysia Time
GMT+08:00 (PHT)	Philippine Time
GMT+08:00 (SGT)	Singapore Time
GMT+08:00 (ULAT)	Ulan Bator Time
GMT+08:00 (WST)	West Samoa Time
GMT+09:00 (IRKST)	Irkutsk Summer Time
GMT+09:00 (JAYT)	Jayapura Time
GMT+09:00 (JST)	Japan Standard Time
GMT+09:00 (KST)	Korean Standard Time
GMT+09:00 (PWT)	Palau Time
GMT+10:00 (ChST)	Chamorro Standard Time
GMT+10:00 (DDUT)	Dumont-d'Urville Time
GMT+10:00 (EST)	Australia Eastern Standard Time
GMT+10:00 (PGT)	Papua New Guinea Time
GMT+10:00 (YAKT)	Yakutsk Time
GMT+11:00 (KOST)	Kosrae Time
GMT+11:00 (NCT)	New Caledonia Time
GMT+11:00 (PONT)	Ponape Time
GMT+11:00 (SBT)	Solomon Islands Time
GMT+11:00 (VLAT)	Vladivostok Time
GMT+11:00 (VUT)	Vanuatu Time
GMT+12:00 (ANAST)	Anadyr Time
GMT+12:00 (FJT)	Fiji Time
GMT+12:00 (GILT)	Gilbert Island Time
GMT+12:00 (MAGT)	Magadan Time
GMT+12:00 (MHT) (TVT)	Marshall Islands Time Tuvalu Time
GMT+12:00 (NRT)	Nauru Time
GMT+12:00 (NZST)	New Zealand Standard Time
GMT+12:00 (PETST)	Petropavlovsk-Kamchatski Time
GMT+12:00 (TVT)	Tuvalu Time
GMT+12:00 (WAKT)	Wake Time
GMT+12:00 (WFT)	Wallis and Futuna Time
GMT+13:00 (WST)	West Samoa Time

Appendix C Product Documentation

Please visit this [link](#) for the documentation on all Ahsay Products.