



Ahsay Customization Portal

v6

User's Guide

Ahsay Systems Corporation
Limited

8 January 2015

Ahsay Customization Portal

User's Guide

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Revision History

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2 November 2010	Update on Global Replacement and Multiple Profiles Section – Enhance Global Replacement to support multiple profiles.
22 August 2011	<p>New: Appendix J Customizable Files for AhsayUBS</p> <p>Updated: 1 Introduction 1.1 Conventions 1.2 Definitions, Acronyms and Abbreviations 2.1 Ahsay Customization Portal 2.2 Customization Process 2.3 Customization Folder Structure 3.2 Customized installers 5.2 Customize Files 5.5 Build Customized Software 5.6 Download Customized Software 6.1 AhsayACB and AhsayOBM 6.2 AhsayOBS & AhsayRPS 7.2 Customize Product Name 7.4 Customize Company Logo and Products Icons 8.4 Restrictions on Company Name/Product Name</p> <p>Appendix C Property Group Name Appendix I AhsayOBM/AhsayACB Application Settings</p>

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	Appendix F Customizable Files of AhsayOBM	Modified
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04 Oct 2012	Copyright Notice	Modified
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22 Feb 2013	Appendix D Customizable Files of AhsayOBS	Modified
	Appendix E Customizable Files of AhsayRPS	Modified
	Appendix F Customizable Files of AhsayOBM	Modified
	Appendix G Customizable Files of AhsayACB	Modified
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	5.4.2 Sign executables using your own digital certificate	Modified

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	Appendix K Signing a Mac installer	Modified

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1 Introduction

The Ahsay Customization Portal is designed for customers to create their installers of customized Ahsay Products, such as AhsayACB, AhsayOBM, AhsayUBS, AhsayNCU, AhsayOBS and AhsayRPS. This guide provides details information about the customization process.

1.1 Conventions

Notations used throughout this document.

Convention	Descriptions	Example
Bold	Important Information	WARNING: You must check the timestamp of obrA.jar before proceeding to step2.
<i>Italic</i>	Folder Path or File Path	<i>/usr/local/obs/conf</i>
[]	Graphical Interface Elements	[Manage Log]
%%	Filepath in Windows format	%OBSR_HOME%
\$	Filepath in Linux/Unix format	\$OBSR_HOME
<i>italic</i>	Command	<i>mkdir /usr/local/obs</i>

1.2 Definitions, Acronyms and Abbreviations

Term/Abbreviation	Definition
ACP	Ahsay Customization Portal
AhsayOBSR	Ahsay™ Offsite Backup Server and Replication Server
AhsayOBS	Ahsay™ Offsite Backup Server
AhsayRPS	Ahsay™ Replication Server
AhsayRDR	Ahsay™ Redirector Server
AhsayOBC	Ahsay™ Online Backup Client This includes AhsayOBM and AhsayACB.
AhsayOBM	Ahsay™ Online Backup Manager
AhsayACB	Ahsay™ A-Click Backup Manager
AhsayNCU	Ahsay™ NAS Client Utility
AhsayUBS	Ahsay™ Universal Backup Server
OBSR_HOME	The install location of AhsayOBS & AhsayRPS. <u>Windows</u> <i>C: \Program Files\AhsayOBS and AhsayRPS\</i> <u>Linux/Unix</u> <i>/usr/local/obs/</i>

OBSR_HOME_BAK	<p>The backup location of AhsayOBS & AhsayRPS. It is used temporarily during the install/upgrade process.</p> <p><u>Windows</u> <i>C:\Program Files\AhsayOBS and AhsayRPS.bak\</i></p> <p><u>Linux/FreeBSD/Solaris</u> <i>/usr/local/obs.bak/</i></p>
CONF_HOME	<p>The directory where AhsayOBS and AhsayRPS stores its system configuration.</p> <p>The default location is: <i>%OBSR_HOME%\conf</i></p>
USER_HOME	<p>The directories where AhsayOBS and AhsayRPS store the AhsayOBM & AhsayACB users accounts.</p> <p>The default location is: <i>%OBSR_HOME%\users</i></p>
POLICY_HOME	<p>The directory where AhsayOBS and AhsayRPS stores its system users and group policy information.</p> <p>The default location is: <i>%OBSR_HOME%\system\policy</i></p>
SYSTEM_HOME	<p>The directory where AhsayOBS and AhsayRPS stores its system information.</p> <p>The default location is: <i>%OBSR_HOME%\system</i></p>
WEBAPPS_HOME	<p>Location of the webapps directory inside the installation directory of AhsayOBS & AhsayRPS. i.e. <i>%OBSR_HOME%\webapps</i></p>
WEBAPPS_HOME_BAK	<p>A backup of the webapps directory inside the directory of AhsayOBS & AhsayRPS. i.e. <i>%OBSR_HOME%\webapps.bak</i></p>
JAVA_HOME	The location where JAVA is installed.
CA	Certificate Authority
GUI	Graphical User Interface
Properties	Customizable wordings / phrases.

1.3 Notes

Occasionally, there may be minor differences between the images/workflow mentioned in this document and what you see on your computer. If you are uncertain about any of the instructions, please contact your system administrator for advice.

2 Overview

This chapter outlines the basic concepts for the customization process.

2.1 Ahsay Customization Portal

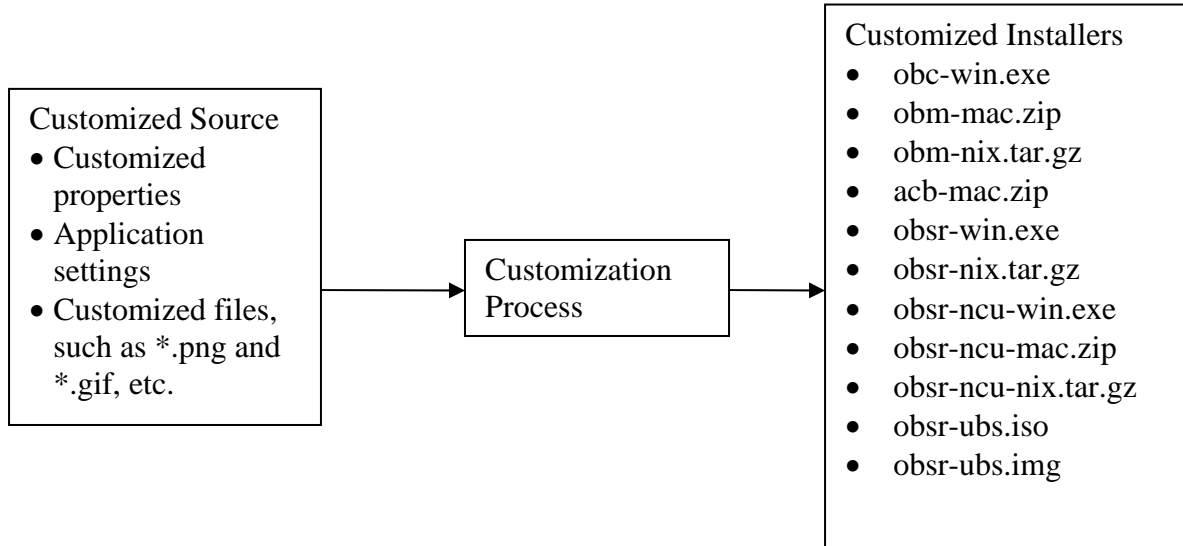
The Ahsay Customization Portal is a web application for users to create their customized installers.

For v5.5 and v6, the customizations of the following products are supported by ACP:

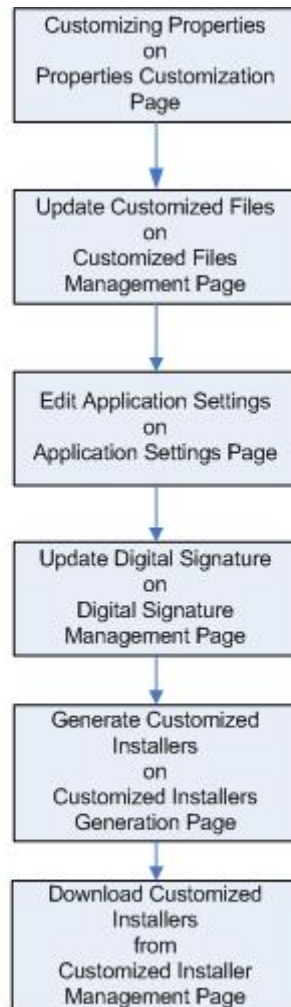
1. AhsayOBS & AhsayRPS
2. AhsayNCU
3. AhsayACB
4. AhsayOBM
5. AhsayUBS

2.2 Customization Process

By providing all customized material to ACP, the customized installers are built automatically as shown in the following diagram.



The Customization Process can be further divided into 6 major steps and each of them is handled by a corresponding page available on ACP. This is summarized in the following diagram:



Major Steps in the Customization Process

2.3 Customization Folder Structure

Customization Folder Structure is a standard defined for the customization process. It is defined in the following format:

Custom-<Product Name>\<Item Type>\<OS>

<Product Name> - is the name of the product, e.g. acb, obm

<Item Type> - application or installer, i.e. app or installer

<OS> - platform that is used, i.e. win, mac, nix, common

The below table summarize some important folders under the customization folder structure:

Location	Descriptions
\custom-acb\	Base directory for all AhsayACB related items.
\custom-acb\app\common	Common items for AhsayACB application.
\custom-acb\app\common\bin\images	Optional: Location for the AhsayACB buttons.
\custom-acb\app\win	All items related to AhsayACB application for Windows.
\custom-acb\installer\common	Common items for AhsayACB installers.
\custom-acb\installer\mac	All items related to AhsayACB installer for Mac.
\custom-acb\installer\win	All items related to AhsayACB installer for Windows.
\custom-obc\	Base directory for all AhsayOBC installers related items.
\custom-obc\installer\common	Common items for AhsayOBC installers.
\custom-obc\installer\win	All items related to AhsayOBM installer for Windows.
\custom-obm\	Base directory for all AhsayOBM related items.
\custom-obm\app\common	Common items for AhsayOBM application.
\custom-obm\app\common\bin\images	Optional: Location for the AhsayOBM buttons.
\custom-obm\app\mac	All items related to AhsayOBM application for Mac.
\custom-obm\app\nix	All items related to AhsayOBM application for Linux/Unix.
\custom-obm\app\win	All items related to AhsayOBM application for Windows.
\custom-obm\installer\common	Common items for AhsayOBM

	installers.
\custom-obm\installer\mac	All items related to AhsayOBM installer for Mac.
\custom-obm\installer\nix	All items related to AhsayOBM install package for Linux/Unix.
\custom-obm\installer\win	All items related to AhsayOBM installer for Windows.
\custom-obsr\	Base directory for all AhsayOBS and AhsayRPS related items.
\custom-obsr\app\common	Common items for AhsayOBS application.
\custom-obsr\app\nix	All items related to AhsayOBS and AhsayRPS install package for Linux/Unix.
\custom-obsr\app\win	All items related to AhsayOBS and AhsayRPS installer for Windows.
\custom-obsr\installer\common	Common items for AhsayOBS installers.
\custom-obsr\installer\ncu	All items related to AhsayNCU.
\custom-obsr\installer\nix	All items related to AhsayOBS and AhsayRPS install package for Linux/Unix.
\custom-obsr\installer\win	All items related to AhsayOBS and AhsayRPS installer for Windows.
\custom-ubs\	Base directory for all AhsayUBS related items.
\custom-ubs\app\	All items in "/" directory inside the deployed AhsayUBS machine.
\custom-ubs\app\ubs\	All items in "/ubs" directory inside the deployed AhsayUBS machine.
\custom-ubs\app\ubs\console\	All files inside related to AhsayUBS console settings.
\custom-ubs\app\ubs\deploy\	All files inside related to AhsayUBS deployment configurations.
\custom-ubs\app\ubs\factory\	All files inside related to AhsayUBS factory default configurations.
\custom-ubs\app\ubs\webadmin\www\	All files inside related to AhsayUBS WebAdmin files.
\custom-ubs\app\ubs\webadmin\www\images\	All files inside related to AhsayUBS WebAdmin images.
\custom-ubs\app\ubs\webadmin\www\css\	All files inside related to AhsayUBS WebAdmin CSS files.
\custom-ubs\installer\	All files inside related to building AhsayUBS installers.
\custom-ubs\installer\splash\	All files inside related to the images of the splash screen
\custom-ubs\installer\locale\	All files inside related to the language properties files which customized by the ACP.

2.4 Customization.zip and Custom.zip

Customization.zip and Custom.zip are used to upload a number of customized files to ACP. The Customization Folder Structure should be applied to the customization.zip / custom.zip file uploaded to ACP.

3 Best Practice and Recommendation

This chapter outlines some recommendations for using ACP.

3.1 Multiple Profiles

It is recommended to use the Multiple Profiles feature for the following:

1. Generating installers with different brands
2. Create a backup of existing customized properties before working on further customization.

3.2 Customized installers

The customized installers are kept on ACP for 24 hours only. Please download them as soon as possible.

3.3 Digital Signature

The digital signature setting is saved for the current login session only. Therefore, please remember to update this setting every time when you logon to ACP.

3.4 Branding Information

Branding related materials such as your company name, product name etc are required to update in the group **"Branding Information"** only.

[Generate and Download All Properties](#) | [Preferences](#)

Items Per Page: 50 Page: 1 Group: Branding Information Version: -All-

Search by keyword... Partial Match Search

Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	ABC Systems Corporation	ABC Systems Corporation
		%COMPANY_NAME_SHORT%	ABC	ABC
		%COMPANY_NAME_SYSTEM% (English Only)	ABC Systems Corporation	
		%COMPANY_URL%	www.abc.com	www.abc.com
		%COMPANY_COPYRIGHT%	1999-2012 © %COMPANY_NAME_FULL% All rights reserved.	1999-2012 © %COMPANY_NAME_FULL% All rights reserved.
		%SUPPORT_EMAIL%	support-kb@abc.com	support-kb@abc.com
		%SUPPORT_URL%	http://kb.abc.com	http://kb.abc.com
		%SUPPORT_TEL%	1-234-567-890	1-234-567-890

If you updated the branding information in other groups, or trying to remove the global branding properties variable key eg: **%SUPPORT_TEL%** in other groups, the final branding result may not be generated properly.

[Generate and Download All Properties](#) | [Preferences](#)

Items Per Page Page Group Version

Search by keyword... Partial Match Search

Reset Default	Copy From English	Key	en	da	de
		BRANDED_ACB_PRODUCT_NAME	%ACB_FULL_NAME%	%ACB_FULL_NAME%	%ACB_FULL_NAME%
		BRANDED_OBM_PRODUCT_NAME	%OBM_FULL_NAME%	%OBM_FULL_NAME%	%OBM_FULL_NAME%
		BRANDED_COMPANY_NAME	%COMPANY_NAME_FULL%	%COMPANY_NAME_FULL%	%COMPANY_NAME_FULL%
		BRANDED_COMPANY_TELEPHONE	%SUPPORT_TEL%	%SUPPORT_TEL%	%SUPPORT_TEL%
		BRANDED_COMPANY_WEBSITE	%COMPANY_URL%	%COMPANY_URL%	%COMPANY_URL%
		BRANDED_COMPANY_EMAIL	%SUPPORT_EMAIL%	%SUPPORT_EMAIL%	%SUPPORT_EMAIL%

4 Quick Start

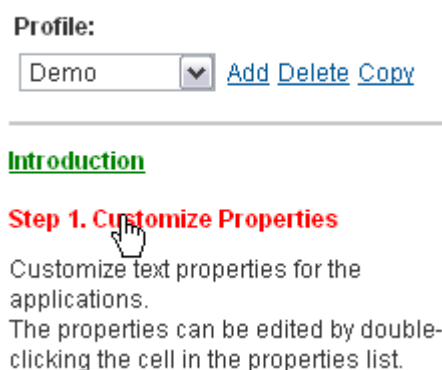
This section outlines the minimum steps required to build the customized AhsayOBM, AhsayACB, AhsayOBS & AhsayRPS and AhsayNCU installers. For detail information for each step, please refer to later chapters in this document.

First, please logon to ACP using your partners ID and then follow the steps below to customize the installers.

Step 1 – Customize Properties

Most of the wordings appear in the GUI of Ahsay Products are customizable. To customize them, please follow the steps below to customize the properties appears in the user interface.

1. Click on the [Step 1. Customize Properties] link to go to Properties Customization Page.



2. Edit properties according to your own choice. For detail explanations, please refer to [Customize Properties Section](#).
3. If you need to create installers for different brands, you can create more than one set of customized properties by using the Multiple Profiles feature. For details, please refer to [Multiple Profiles Section](#).

Step 2 – Upload Customized Files

For customize files, such as images and icons in the product, please follow the steps below to upload them to ACP.

1. Click on the [Step 2. Upload Customized Files] link. The Customized Files Management Page is shown. There is a dropdown box for selecting version. In general, all minor versions within the same major release will share the same set of customized file, e.g. v5.5.1.0 – v5.5.8.0.

Introduction

Step 1. Customize Properties

Customize text properties for the applications.
The properties can be edited by double-clicking the cell in the properties list.

Step 2. Upload Customized Files

Upload individual customized files or upload customization.zip/custom.zip.

2. Update the customized files by using the Upload Customized File Tool. Please refer to the [Customize File Section](#) for detail information.
3. Click the [Submit] button to upload the files to ACP.

For more information, please refer to the [Customize File Section](#).

Step 3 – Customize Application Settings

Application Settings is the replacement of the “edit-application-settings.bat” in previous release. It is used to generate the custom.xml, obm.lookandfeel.xml for AhsayOBM and acb.lookandfeel.xml for AhsayACB. To customize the application settings, please do the followings:

1. Click on the [Step 3. Application Settings] link. The Application Settings Page is shown.

Step 2. Upload Customized Files

Upload individual customized files or
upload customization.zip/custom.zip.

Step 3. Application Settings

Customize AhsayACB and AhsayOBM
application settings, e.g. Backup Server
Settings, Language, GUI Feature,
Backup Feature, Other Feature and
Look And Feel

2. Select the corresponding version on the [Version] dropdown box.
3. For customizing options related to AhsayOBM, expand the node [Customize AhsayOBM Settings] to show the settings of AhsayOBM and click the [Save] button to save the changes to ACP.
4. For customizing options related to AhsayACB, expand the node [Customize AhsayACB Settings] to show the settings of AhsayACB and click the [Save] button to apply changes to ACP.

For details explanations, please refer to [Customize Application Settings Section](#).

Step 4 - Digital Signature

To digitally sign the customized installers, please follow the instructions listed below:

1. Click on the [Step 4. Digital Signature] link to go to the Digital Signature Management Page.

Step 3. Application Settings

Customize AhsayACB and AhsayOBM application settings, e.g. Backup Server Settings, Language, GUI Feature, Backup Feature, Other Feature and Look And Feel

Step 4. Digital Signature

Digitally sign the installers with Ahsay System Corporation Certificate or your own certificate.

2. Check the [Use digital signature] checkbox.
3. Select the digital certificate to use.
4. Click the [Save] button to save the settings.

For details, please refer to the [Digital Signature Section](#).

Step 5 – Build Installers

After all the customized materials are ready and uploaded to ACP, please do the followings to create the customized installers:

1. Click on the [Step 5. Build Options] link to go to Customized Installers Generation Page.

Step 4. Digital Signature

Digitally sign the installers with Ahsay System Corporation Certificate or your own certificate.

Step 5. Build Options

Choose and build the required installers.

2. On the build options page, select the version to customize in the [Version] dropdown box.
3. Select the installers to create by checking the corresponding checkbox in the Product/Platform Tables.
4. Click the [Build] button to start the build process.

For details, please refer to the [Build Customized Software Section](#).

Step 6 – Download the customized installers

To check whether the building process is completed, please do the followings:

1. Click on the [Step 6. Check Status] link to go to Customized Installer Download Page.









Step 5. Build Options

Choose and build the required installers.

Step 6. Check Status

Check the build status of the installers.

2. Click the [Check Status] button to refresh the build status.
3. If the installers are ready to download, the links of the installers are shown:

Platforms	 AhsayOBM™	 AhsayACB™	 AhsayOBS™	 AhsayRPS™	 AhsayNCU™
	obc-win.exe** (49 Mb) (20-10-2010 03:37:17)		obsr-win.exe (282 Mb) (20-10-2010 03:41:26)		obsr-ncu-win.exe (378 Mb) (20-10-2010 03:43:16)
	Windows 2000 / XP / 2003 / Vista (both 32-bit and 64 bit versions) Windows 95 / 98 / ME / NT are no longer supported by all Ahsay™ v5.5 products. If you want to run Ahsay™ products on these platforms, please use v5.2 instead.				
	obm-mac.zip (9 Mb) (20-10-2010 03:35:07)	acb-mac.zip (9 Mb) (20-10-2010 03:34:53)	N/A		obsr-ncu-mac.zip (348 Mb) (20-10-2010 03:44:24)
	Mac OS X v10.3 or above				
UNIX LINUX	obm-nix.tar.gz (76 Mb) (20-10-2010 03:37:53)	N/A	obsr-nix.tar.gz (309 Mb) (20-10-2010 03:48:43)		obsr-ncu-nix.tar.gz (383 Mb) (20-10-2010 03:45:38)
	Sun Solaris, AIX, HP-UX, FreeBSD and Redhat Linux 6.0 or above				
	obc-app-upgrade.zip (45 Mb) (20-10-2010 03:38:10)		N/A		N/A
	AutoUpdate patch files				

Check Status

4. Click on the link to download the installers.

For more information, please refer to the [Download Customized Software Section](#).

5 Customization Process

In this section, detail information on each step in the customization process is provided. Please logon to ACP with your partner ID before working on the steps below.

5.1 Customize Properties

To customize the properties used in Ahsay Products, please do the following:

1. Click on the [Step 1. Customize Properties] link to view the properties customization page.

Profile:

Demo [Add](#) [Delete](#) [Copy](#)

Introduction

Step 1. Customize Properties

Customize text properties for the applications.
The properties can be edited by double-clicking the cell in the properties list.

2. By default, it will list the first 50 properties in the "Branding Information" property group.

[Generate and Download All Properties](#) | [Preferences](#)

Items Per Page: 50 Page: 1 Group: Branding Information Version: -All- Search by keyword: Partial Match Search

Reset Default	Copy From English	Key	en	da	de
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation		
		%COMPANY_URL%	www.ahsay.com	www.ahsay.com	www.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.
		%SUPPORT_EMAIL%	support-kb@ahsay.com	support-kb@ahsay.com	support-kb@ahsay.com
		%SUPPORT_URL%	http://kb.ahsay.com	http://kb.ahsay.com	http://kb.ahsay.com
		%SUPPORT_TEL%			
		%UPDATES_URL%	http://forum.ahsay.com/viewforum.php?f=1	http://forum.ahsay.com/viewforum.php?f=1	http://forum.ahsay.com/viewforum.php?f=1
		%OBSR_FULL_NAME%	Ahsay Offsite Backup Server and Replication Server	Ahsay Offsite Backup Server and Replication Server	Ahsay Offsite Backup Serv Replication Server
		%OBSR_FULL_NAME_SYSTEM% (English Only)	Ahsay Offsite Backup Server and Replication Server		
		%OBSR_SHORT_NAME%	AhsayOBS and AhsayRPS	AhsayOBS and AhsayRPS	AhsayOBS and AhsayRPS
		%OBSR_SHORT_NAME_SYSTEM% (English Only)	AhsayOBS and AhsayRPS		
		%OBSR_COMMENTS%	Ahsay Offsite Backup Server and Replication Server	Ahsay Offsite Backup Server and Replication Server	Ahsay Offsite Backup Serv Replication Server
		%OBSR_COMMENTS_SYSTEM% (English Only)	Ahsay Offsite Backup Server and Replication Server		

5.1.1 Customize / Reset Properties

There are two methods to customize or reset properties in the properties customization page, they are:

Edit-In-Place Method

It is a simplify method to customize or reset properties. To edit a property by the Edit-In-Place method, please follow the steps listed below:

1. Double click on the cell of the selected property.


Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation	
		%COMPANY_URL%	www.ahsay.com	www.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.

2. Edit the value of the selected property.

Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation	
		%COMPANY_URL%	<div> <div>free.ahsay.com</div> <div>Save (Ctrl+Enter) Cancel (Esc)</div> </div>	www.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.

3. Click the [Save] button to apply the changes.

Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation	
		%COMPANY_URL%	<div> <div>free.ahsay.com</div> <div>Save (Ctrl+Enter) Cancel (Esc)</div> </div>	www.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.

- (Optional) If the value of the selected property is the same for all languages, please enter the value in the [English] column and click on the  button to copy the changes to other languages.

Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation	
		%COMPANY_URL%	free.ahsay.com	www.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.

To reset a properties by using the Edit-In-Place method, please do the followings:

- Click the  button next to the property selected.

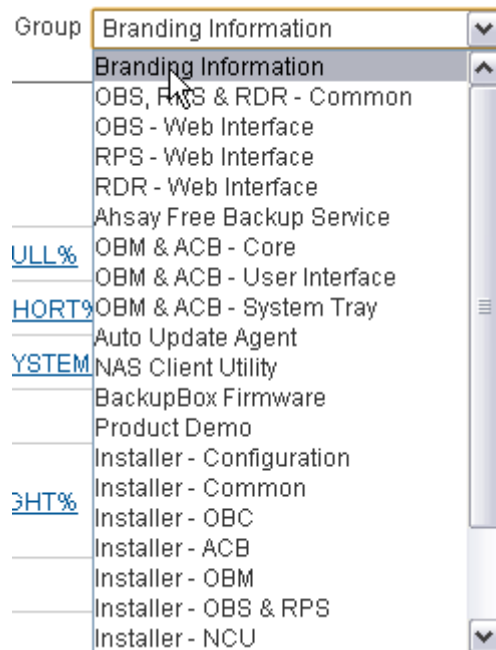
Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation	
		%COMPANY_URL%	free.ahsay.com	free.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.

- The selected property will reset to default value.

Default Method

While editing in-place is simple and fast, the default method of editing can minimize input errors. Please follow the instructions below to customize a property:

1. List the properties in a property group by choosing the corresponding property group from the dropdown menu and click the [Search] button.



2. For the property you want to modify, click on the property key link.

Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation	
		%COMPANY_URL%	www.ahsay.com	www.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.

3. Edit the value in each text field.

[en](#) | [da](#) | [de](#) | [es](#) | [fr](#) | [is](#) | [nl](#) | [sv](#) | [zh_TW](#) | [zh_CN](#) | [cs](#) | [it](#) | [no](#) | [ia](#) | [sl](#) | [fi](#) | [pt_PT](#) | [lt](#) | [tr](#) | [hu](#) | [el](#) | [pt_BR](#) | [ru](#) | [eu](#) | [pl](#) | [ca](#) | [th_TH](#) | [bg](#) | [ko](#) | [ro](#) | [lv](#) | [uk](#)

Label Key	%COMPANY_URL%
Group	Branding Information
Version	5.5
en	<input type="text" value="free.ahsay.com"/>
da	<input type="text" value="www.ahsay.com"/>

- Click the [Update] button to apply the changes.

To reset a customized property to the default value, please do the followings:

- List the properties in a property group by choosing the corresponding property group from the dropdown menu and click the [Search] button.

Group

- Branding Information
- OBS, RPS & RDR - Common
- OBS - Web Interface
- RPS - Web Interface
- RDR - Web Interface
- Ahsay Free Backup Service
- OBM & ACB - Core
- OBM & ACB - User Interface
- OBM & ACB - System Tray
- Auto Update Agent
- NAS Client Utility
- BackupBox Firmware
- Product Demo
- Installer - Configuration
- Installer - Common
- Installer - OBC
- Installer - ACB
- Installer - OBM
- Installer - OBS & RPS
- Installer - NCU

- Click on the link at the property key of the selected property.

Reset Default	Copy From English	Key	en	da
		%COMPANY_NAME_FULL%	Ahsay Systems Corporation	Ahsay Systems Corporation
		%COMPANY_NAME_SHORT%	Ahsay	Ahsay
		%COMPANY_NAME_SYSTEM% (English Only)	Ahsay Systems Corporation	
		%COMPANY_URL%	free.ahsay.com	free.ahsay.com
		%COMPANY_COPYRIGHT%	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.	1999-2010 © %COMPANY_NAME_FULL% All rights reserved.

- Click the [Reset Default] button to reset the property. This button is only shown when the property is customized by user.

[en](#) | [da](#) | [de](#) | [es](#) | [fr](#) | [is](#) | [nl](#) | [sv](#) | [zh_TW](#) | [zh_CN](#) | [cs](#) | [it](#) | [no](#) | [ia](#) | [sl](#) | [fi](#) | [pt_PT](#) | [it](#) | [tr](#) | [hu](#) | [el](#) | [pt_BR](#) | [ru](#) | [eu](#) | [pl](#) | [ca](#) | [th_TH](#) | [bg](#) | [ko](#) | [ro](#) | [lv](#) | [uk](#)

Label Key %COMPANY_URL%

Group Branding Information

Version 5.5


en

free.ahsay.com



da

free.ahsay.com



5.1.2 Generate properties.zip with customized properties

To generate a zip file with all the customized properties included, please do the followings:

1. Click the [Generate and Download All Properties] link to generate the properties.zip.



2. When the generation process is completed, a download dialog box for the properties.zip will be shown. If the dialog box is not started automatically, please click on the download link shown on the page to download the properties.zip file.

The properties are now generated and ready for download. If the download process has not started automatically, please click [here](#) to download.

5.1.3 Download Previous Generated Properties

This option is available only when there is a properties.zip file generated previously found on ACP.

Please follow the instructions below to download previous generated properties.zip:

1. Click the [Download Previous Generated Properties] link to enter the download page.



2. The download link will be shown on the screen. Click the download link to start downloading the file.

The properties are now generated and ready for download. If the download process has not started automatically, please click [here](#) to download.

5.1.4 Search Function

A search function is provided for users to find a property by its key or value.

Please do the followings to perform a search:

1. Enter the value/key of the property in the textbox located in the main page.

[Download Previous Generated Properties](#) | [Preferences](#)

Group Version

2. Select "Exact Match" or "Partial Match" from the dropdown box.
3. Select a property group to search from.

Group

- Branding Information
- OBS, RPS & RDR - Common
- OBS - Web Interface
- RPS - Web Interface
- RDR - Web Interface
- Ahsay Free Backup Service
- OBM & ACB - Core
- OBM & ACB - User Interface
- OBM & ACB - System Tray
- Auto Update Agent
- NAS Client Utility
- BackupBox Firmware
- Product Demo
- Installer - Configuration
- Installer - Common
- Installer - OBC
- Installer - ACB
- Installer - OBM
- Installer - OBS & RPS
- Installer - NCU

4. Click the [Search] button to begin the search.
5. The result will be shown on the screen.

Reset Default	Copy From English	Key	en	da
		%OBM_SHORT_NAME%	AhsayOBM	AhsayOBM
		%OBM_SHORT_NAME_SYSTEM% (English Only)	AhsayOBM	

For the details of different property groups, please refer to the [Appendix C](#).

Note:

Exact Match – results displayed are exactly the same as the search keywords(s).

Partial Match – results displayed contain the search keyword(s).

Wildcard Character, '*', can be used in the search keyword(s).

5.1.5 Global Replacement

Global Replacement is a set of user-defined rules to replace a phrase by another, e.g. replace "in-file delta" by "smart delta". Since the replacement are done in run-time, i.e. during the generating process, no actual change will be done on individual customized properties stored in the database.

This method is recommended for some common words that would appear in multiple property groups.

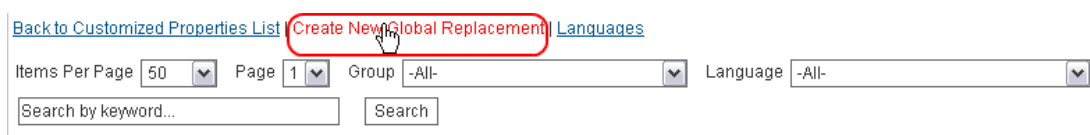
Note: Starting from Nov 2010, the global replacement feature now supports multiple profiles. Hence, each profile will have its own set of global replacement rules.

To create a global replacement rule, please do the followings:

1. Go to "Preferences" page by clicking on the [Preferences] link.



2. Then click on the [Create New Global Replacement] link.



3. Enter a name for this global replacement rule.
4. Select the property group affected by this rule.
5. Select the language that this rule will be applied on.
6. Enter the phrase to be replaced into the [Old Value] field. This field is case-sensitive.

- Enter the new phrase into the [New Value] field. This field is case-sensitive:

[Back to Global Replacements List](#)

Name	<input type="text" value="In-File Delta"/>
Group	<input type="text" value="-All-"/>
Language	<input type="text" value="-All-"/>
Old Value	<input type="text" value="In-File Delta"/>
New Value	<input type="text" value="Smart Delta"/>

- Click the [Create] button to create the rule.

To edit a global replacement rule:

- Go to "Preferences" page by clicking on the [Preferences] link.

[Generate and Download All Properties](#) |
 [Download Previous Generated Properties](#) |
 [Preferences](#)

Items Per Page
 Page
 Group
 Version

- Click on the rule that you would like to edit.

[Back to Customized Properties List](#) |
 [Create New Global Replacement](#) |
 [Languages](#)

Items Per Page
 Page
 Group
 Language

Name	Group	Language	Old Value	New Value
In-File Delta	All	All	In-File Delta	Smart Delta

3. Edit the fields according to your choice.

[Back to Global Replacements List](#)

Name	<input type="text" value="In-File Delta"/>
Group	<input type="text" value="-All-"/>
Language	<input type="text" value="-All-"/>
Old Value	<input type="text" value="In-File Delta"/>
New Value	<input type="text" value="File Delta"/>

4. Click the [Update] button to apply the changes.

To delete a global replacement rule:

1. Go to "Preferences" page by clicking on the [Preferences] link.

[Generate and Download All Properties](#) | [Download Previous Generated Properties](#) | [Preferences](#)

Items Per Page Page Group Version

2. Click on the global replacement rule selected to open the edit page.

[Back to Customized Properties List](#) | [Create New Global Replacement](#) | [Languages](#)

Items Per Page Page Group Language

Search by keyword...

Name	Group	Language	Old Value	New Value
In-File Delta	All	All	In-File Delta	File Delta

3. Click the [Delete] button to remove the rule.

[Back to Global Replacements List](#)

Name

Group

Language

Old Value

New Value

5.1.6 Language Preferences

This option provides a way for users to select the languages displayed in the Property Customization Tool.

1. Click on the [Preferences] link.

[Generate and Download All Properties](#) |
 [Download Previous Generated Properties](#) |
 [Preferences](#)

Items Per Page
 Page
 Group
 Version

2. Then click on the [Language] link, a list of languages supported by ACP will be shown.

[Back to Customized Properties List](#) |
 [Create New Global Replacement](#) |
 [Languages](#)

Items Per Page
 Page
 Group
 Language

3. To hide/show a specific language, uncheck/check the checkbox next to the languages.

[Back to Customized Properties List](#) |
 [Global Replacements](#)

Language	Abbreviation	Show Column In PCP? Check All Uncheck All
English (English)	en	<input checked="" type="checkbox"/>
Dansk (Danish)	da	<input checked="" type="checkbox"/>
Deut (German)	de	<input checked="" type="checkbox"/>
Espanol (Spanish)	es	<input checked="" type="checkbox"/>
Francais (French)	fr	<input checked="" type="checkbox"/>
islenska (Icelandic)	is	<input checked="" type="checkbox"/>
Nederlands (Dutch)	nl	<input checked="" type="checkbox"/>
Swedish (Swedish)	sv	<input checked="" type="checkbox"/>
繁體中文 (Trad Chinese)	zh_TW	<input checked="" type="checkbox"/>
简体中文 (Simp Chinese)	zh_CN	<input checked="" type="checkbox"/>

4. Click the [Update] button to apply the changes.

5.2 Customize Files

Other than the customization of the backup settings, most of the images and icons being used in AhsayOBM, AhsayACB, AhsayOBS & AhsayRPS, AhsayUBS, and AhsayNCU can also be customized.

5.2.1 Upload customized files


There are two methods to upload the customized files. For details, please follow the instructions below:

Method 1 – Customized Files Management Page on ACP

This method is recommended for users who want to upload small amount of customized files to ACP. To upload customized files using the Customized Files Management Page on ACP, please do the followings:


1. Select the correct version from the [Version] dropdown box.

Upload Customized Files

Version 

2. Navigate to the target folder by clicking on the folder name.

Upload Customized Files

Version 

[Home](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date
<input type="checkbox"/>	[custom-acbl]		DIR	Oct 19, 2010 2:30:42 PM
<input type="checkbox"/>	[custom-obc]		DIR	Oct 19, 2010 2:30:42 PM
<input type="checkbox"/>	[custom-obm]		DIR	Oct 19, 2010 2:30:43 PM
<input type="checkbox"/>	[custom-obsr]		DIR	Oct 19, 2010 2:30:44 PM
<input type="checkbox"/>	[custom-rdr]		DIR	Oct 19, 2010 2:30:45 PM

☒ Download Selected Files/Directories as Zip
 ☐ Delete Selected Files/Directories
 ☐ Create Directory
 ☐ Rename Selected File/Directory
 ☐ Upload Files to Current Directory

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

- After that, select the [Upload Files to Current Directory] option.

Upload Customized Files

Version 6.1.0.0

[Home](#) > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	[.]				
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☐ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☒ Upload Files to Current Directory

File 1:

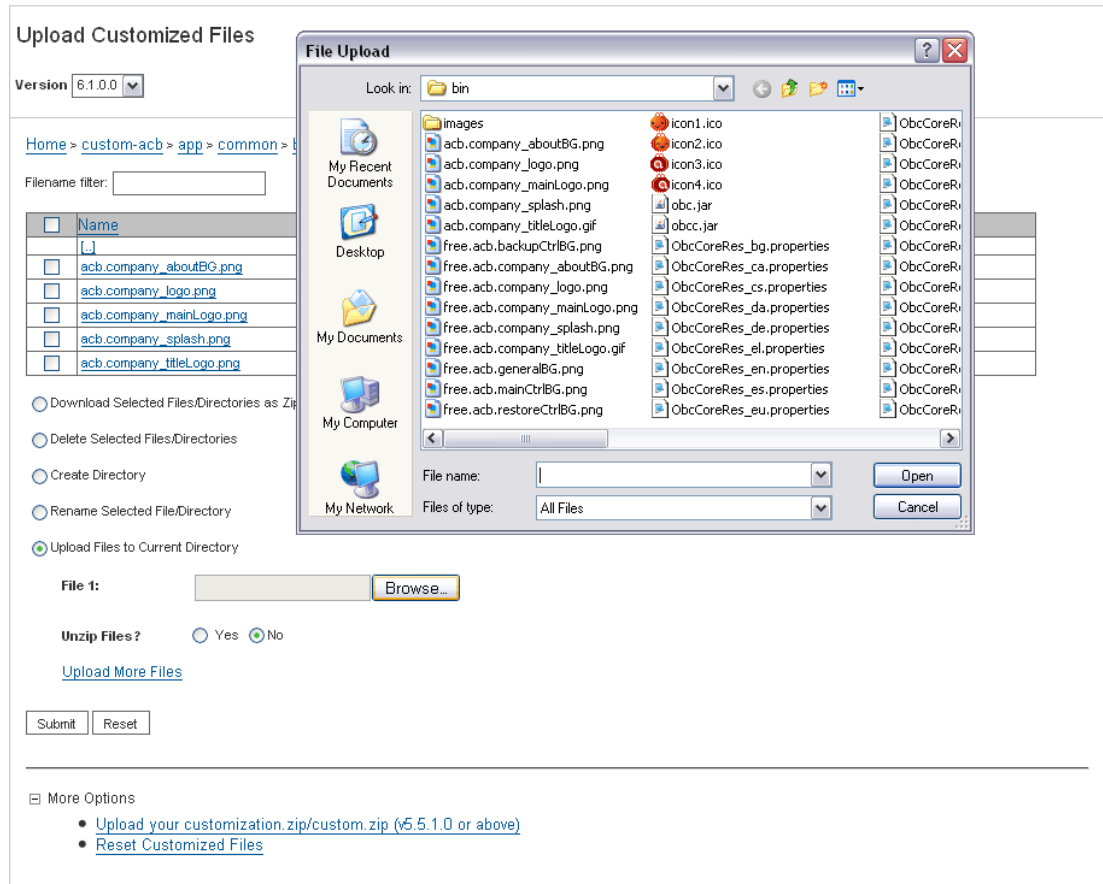
Unzip Files? ☐ Yes ☒ No

[Upload More Files](#)

More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

- Click the [Browse...] button and locate the customized file from the local computer.



- (Optional) To upload other files, click on the [Update More Files] links. A new file chooser will be shown.

Upload Customized Files

Version 6.1.0.0

Home > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	[.]				
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☐ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☒ Upload Files to Current Directory

File 1:

Unzip Files? ☐ Yes ☒ No

Upload More Files

More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

6. (Optional) To upload and unzip files with extension "zip" to the current directory, please select "Yes" for the [Unzip Files?] option. Otherwise, please select "No".

Upload Customized Files

Version 6.1.0.0

[Home](#) > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	[.]				
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☐ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☒ Upload Files to Current Directory

File 1:
File 2:

Unzip Files? ☐ Yes ☒ No

[Upload More Files](#)

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

7. Click the [Submit] button to upload the customized files to ACP.
8. (Optional) If you need to update files such as a script files in a particular directory for a particular OS platform, you need to create folders under the following directory.

For Windows:

Home > custom-obm > app > **win**

For Mac OSX:

Home > custom-obm > app > **mac**

For Linux/Unix/AhsayUBS:

Home > custom-obm > app > **nix**

Eg:

You are going to add a script file run.sh under the bin directory in the AhsayOBM for Mac OSX platform. You need to create directory under the following paths.

- i. In the Home > custom-obm > app , enter the folder name that you want to create for the mac , click on [Submit] button.

[Home](#) > [custom-obm](#) > [app](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date
<input type="checkbox"/>	[.]			
<input type="checkbox"/>	[common]		DIR	Jan 25, 2012 1:36:03 AM
<input type="checkbox"/>	[win]		DIR	Jan 25, 2012 1:36:03 AM

☐ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☒ Create Directory
 Dir Name:
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

- ii. Enter the mac directory by clicking on the [mac] link.

[Home](#) > [custom-obm](#) > [app](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date
<input type="checkbox"/>	[.]			
<input type="checkbox"/>	[common]		DIR	Jan 25, 2012 1:36:03 AM
<input type="checkbox"/>	[mac]		DIR	Jul 25, 2012 1:03:05 AM
<input type="checkbox"/>	[win]		DIR	Jan 25, 2012 1:36:03 AM

☒ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

- iii. Enter the **bin** directory name in the create directory field and click on the [Submit] button.

[Home](#) > [custom-obm](#) > [app](#) > [mac](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date
<input type="checkbox"/>	[.]			

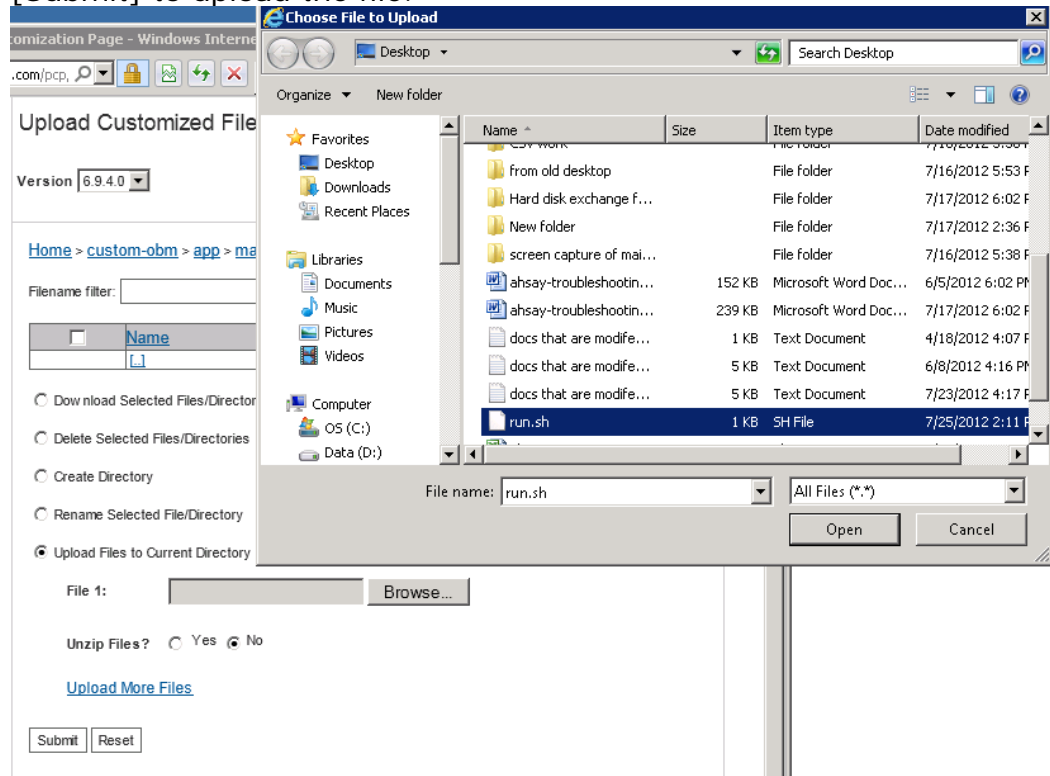
☐ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☒ Create Directory

Dir Name:

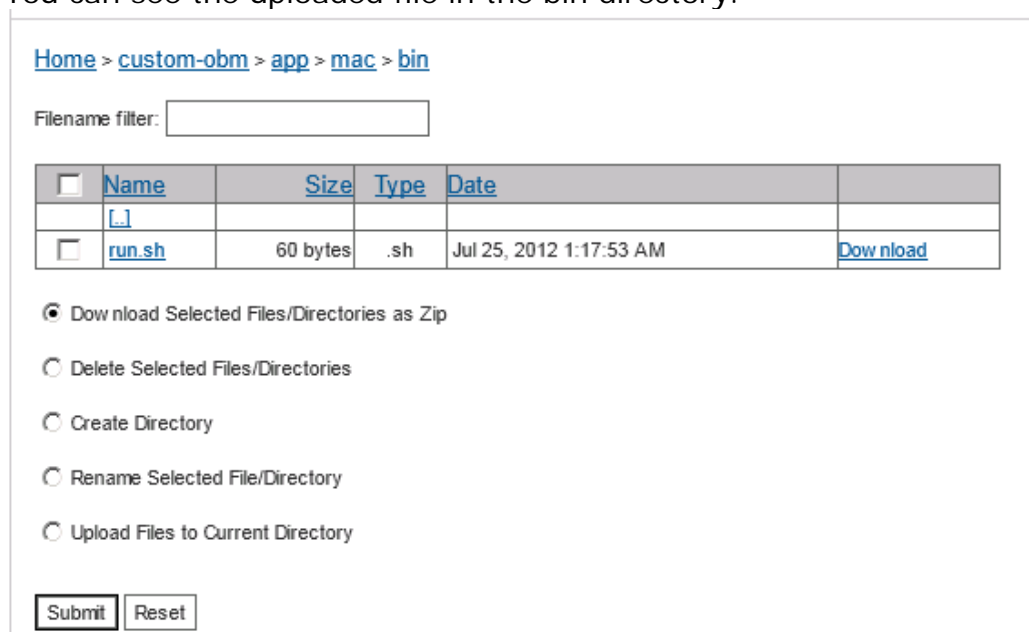
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

- iv. Enter the bin directory by clicking on the [bin] link.
- v. Select "Upload Files to Current Directory" to upload the run.sh from your local directory, click on [Open] to select the file. Click on

[Submit] to upload the file.



vi. You can see the uploaded file in the bin directory.



Method 2 – customization.zip / custom.zip

This method is recommended for partners who need to upload a lot of customized files or partners with a backup copy of customization/custom.zip used in previous version of ACP.

In order to upload the customization.zip / custom.zip, please do the followings:

1. Select version from the [Version] dropdown box.

Upload Customized Files

Version

2. Click the [Browse...] button and select the customization.zip / custom.zip.

Upload Customized Files

Version

[Home](#) > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	[.]				
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☒ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

☐ More Options

- ☒ [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- ☐ [Reset Customized Files](#)

3. Click the [Upload] button to upload the file.

For detailed explanations on customizable files for each Ahsay Product, please refer to [Appendix D - H](#).

4. (Optional) If you need to update files such as a script files in a particular directory for a particular platform, you need to create folders under the following directory.

For Windows:

Home > custom-obm > app > **win**

For Mac OSX:

Home > custom-obm > app > **mac**

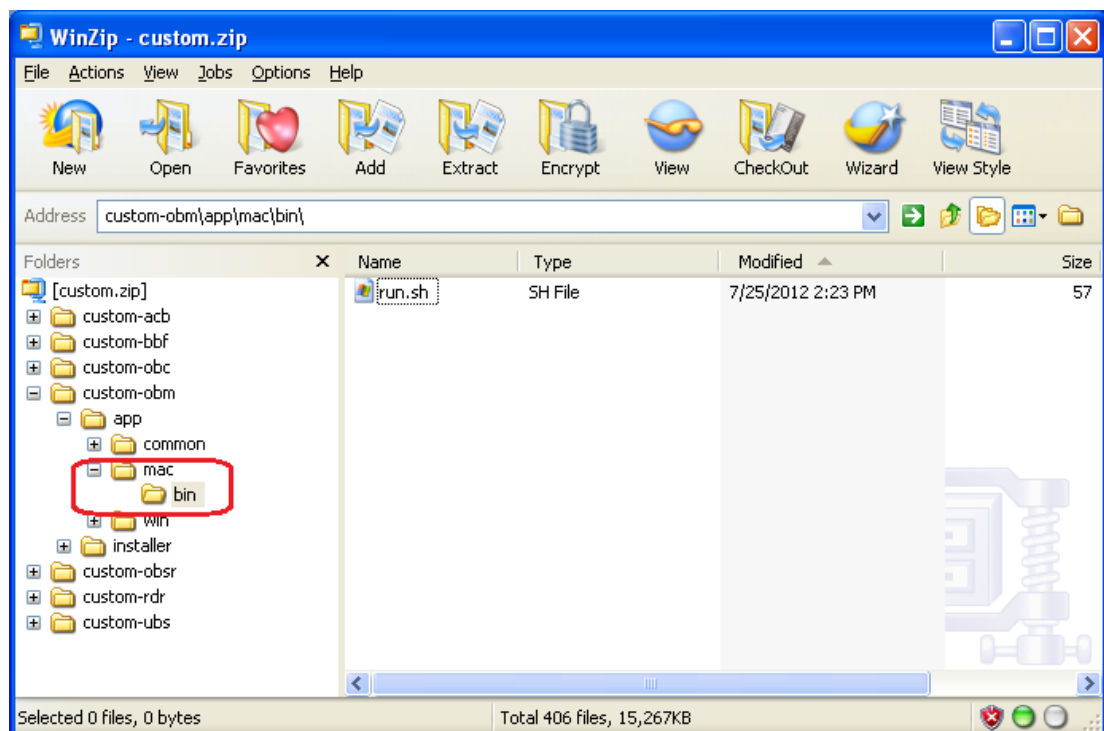
For Linux/Unix/AhsayUBS:

Home > custom-obm > app > **nix**

Eg:

You are going to add a script file run.sh under the bin directory in the AhsayOBM for Mac OSX platform.

- i. You can create **mac** directory and **bin** directory in the customization.zip / custom.zip in the zip utility.



- ii. Upload the run.sh into the custom-obm\app\mac\bin path.

5.2.2 Download the customized files

To download the customized files uploaded to ACP, please do the followings:

Method 1 – Customized Files Management Page

This method is recommended for downloading small amount of files only. To download the files from the Customized Files Management Page on ACP, please navigate to the target directory, and then click on the name of the selected file or the [Download] link in the folder tree.

Upload Customized Files

Version 6.1.0.0

[Home](#) > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☒ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

Note: This method is not available to Internet Explorer because it has a bug in downloading files over SSL. For details of this issue, please take a look at this [link](#). In order to use this method, it is advised to use other web browsers, such as Firefox and Chrome.

Method 2 – Zip File

This method is recommended for downloading large amount of customized file. By using this method, the selected files are compressed to a single zip file. To do so, please do the followings:

1. Click on the [Step 2. Upload Customization Files] link and go to the Customized Files Management Page.

Introduction

Step 1. Customize Properties

Customize text properties for the applications.
The properties can be edited by double-clicking the cell in the properties list.

Step 2. Upload Customized Files

Upload individual customized files or upload customization.zip/custom.zip.

2. Navigate to the target folder.
3. Check the checkbox next to the target / directories.
4. Select the [Download Selected Files / Directories as Zip] radio button.

Upload Customized Files

Version 6.1.0.0

[Home](#) > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	[.]				
<input checked="" type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input checked="" type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input checked="" type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input checked="" type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☒ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

5. Click the [Submit] button to download the files in zip format.

5.2.3 Create new directories

To create a new directory in the Customized Files Management Page on ACP, please do the followings:

1. Navigate to the target folder.
2. Select the [Create Directory] radio button.
3. Enter a name in the [Directory Name] textbox.

Upload Customized Files

Version 6.1.0.0

Home > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	[.]				
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☐ Download Selected Files/Directories as Zip
 ☐ Delete Selected Files/Directories

☒ Create Directory

Dir Name:

☐ Rename Selected File/Directory
 ☐ Upload Files to Current Directory

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

4. Click the [Submit] button to add the new directory.

5.2.4 Rename files / directories

To rename files / directories under the Customized Files Management Page, please do the followings:

1. Navigate to the target folder.
2. Check the checkbox next to the selected file / directory.
3. Select the [Rename Selected File/Directory] option.
4. Enter a new name in the [New Name] textfield.

Upload Customized Files

Version 6.1.0.0

[Home](#) > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input checked="" type="checkbox"/>	[.]		DIR	Oct 20, 2010 2:14:19 PM	
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 11, 2010 5:24:15 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 11, 2010 5:24:15 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 11, 2010 5:24:15 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 11, 2010 5:24:15 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 11, 2010 5:24:15 PM	Download

☐ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☒ Rename Selected File/Directory

New Name:

☐ Upload Files to Current Directory

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

- Click [Submit] button to apply the changes.

5.2.5 Delete customized files / directories

Please follow the instructions below to delete files / directories under the Customized Files Management Page:

- Navigate to the target folder.
- Check the checkbox next to the selected file / directory.
- Select the [Delete Selected Files/Directory] option.

Upload Customized Files

Version 6.1.0.0

Home > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input checked="" type="checkbox"/>	[.]		DIR	Oct 19, 2010 2:58:36 PM	
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☐ Download Selected Files/Directories as Zip
☒ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

- Click the [Submit] button to delete the files / directories.

5.2.6 Reset the customized files

To reset the customized files to the default files provided by Ahsay, please click on the [Reset Customized Files] link and the customized files will be reset.

Upload Customized Files

Version 6.1.0.0

[Home](#) > [custom-acb](#) > [app](#) > [common](#) > [bin](#)

Filename filter:

<input type="checkbox"/>	Name	Size	Type	Date	
<input type="checkbox"/>	[.]				
<input type="checkbox"/>	acb_company_aboutBG.png	13.03 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_logo.png	2.34 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_mainLogo.png	6.67 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_splash.png	23.61 KB	.png	Oct 19, 2010 2:30:42 PM	Download
<input type="checkbox"/>	acb_company_titleLogo.png	1.46 KB	.png	Oct 19, 2010 2:30:42 PM	Download

☒ Download Selected Files/Directories as Zip
☐ Delete Selected Files/Directories
☐ Create Directory
☐ Rename Selected File/Directory
☐ Upload Files to Current Directory

☐ More Options

- [Upload your customization.zip/custom.zip \(v5.5.1.0 or above\)](#)
- [Reset Customized Files](#)

5.3 Customize Application Settings

Application Settings Tool is the replacement of "edit-application-settings.bat" which is used to generate custom.xml, obm.lookandfeel.xml and acb.lookandfeel.xml for AhsayOBM and AhsayACB.

5.3.1 Customize AhsayOBM

Please follow the instructions below to customize the application settings of AhsayOBM:

1. Click on the [Step 3. Application Settings] link.

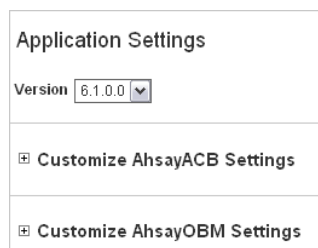
Step 2. Upload Customized Files

Upload individual customized files or upload customization.zip/custom.zip.

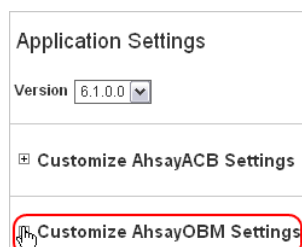
Step 3. Application Settings

Customize AhsayACB and AhsayOBM application settings, e.g. Backup Server Settings, Language, GUI Feature, Backup Feature, Other Feature and Look And Feel

2. Select the version number of AhsayOBM to customize from the [Version] dropdown box.



3. Expand the node [Customize AhsayOBM Settings] to show the customizable settings of AhsayOBM.



4. Specify different settings for AhsayOBM in each section.
5. Click the [Save] button to apply the settings.

5.3.2 Customize AhsayACB

Please follow the instructions below to customize the application settings of AhsayACB:

1. Click on the [Step 3. Application Settings] link.

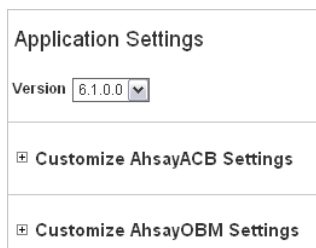
Step 2. Upload Customized Files

Upload individual customized files or upload customization.zip/custom.zip.

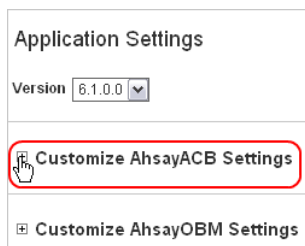
Step 3. Application Settings

Customize AhsayACB and AhsayOBM application settings, e.g. Backup Server Settings, Language, GUI Feature, Backup Feature, Other Feature and Look And Feel

2. Select the version number of AhsayACB to customize from [Version] dropdown box.



3. Expand the node [Customize AhsayACB Settings] to show the customizable settings of AhsayACB.



4. Specify different settings for AhsayACB in each section.
5. Click the [Save] button to apply the settings.

5.4 Digital Signature for Customized Software (Windows/Linux)

This section describes the digital signing of customized installers for Windows Platform and restorer applet (Windows/Linux).

During installation of the digital unsigned software, Windows will prompt out to warn the user. Also, when you restore a file via AhsayOBS management console, there will be a Java prompt telling you that the source code is distributed by Ahsay. In order to show the correct ownership of the source code, the digital certificate (i.e. bundled mycredentials.spc and myprivatekey.pvk; or the pfx certificate file) can be used to sign the customized installers and restorer applet (Windows/Linux).

To sign the Windows installers and restorer applet (Windows/Linux) with the digital certificate, please click on the [Step 4. Digital Signature] link.

Step 3. Application Settings

Customize AhsayACB and AhsayOBM application settings, e.g. Backup Server Settings, Language, GUI Feature, Backup Feature, Other Feature and Look And Feel

Step 4. Digital Signature

Digitally sign the installers with Ahsay System Corporation Certificate or your own certificate.

You can either select to use Ahsay's digital certificate or your own digital certificate.

Note: Please refer to the [next chapter](#) to sign your Mac OS X installer package.

5.4.1 Sign executables using Ahsay digital certificate

To sign all executables using the Ahsay digital certificate, please do the followings:

1. Check the [Use digital signature] checkbox.

Digital Signature

☒ Use digital signature

Digital certificate file is optional when building a Windows installer.
You must send us the correct password to decrypt your private key.
installer with no digital signature will be built instead.

- Choose [Use Ahsay Systems Corporation Certificate] as shown below.

Digital certification used to sign all EXE files:

☒ Use Ahsay Systems Corporation Certificate
 ☐ Use certificate in mycredentials.spc uploaded

Digital Certificate Password:

- Click the [Save] button to save the changes for the current session.

Note:

Only Ahsay related executable files will be signed.

5.4.2 Sign executables using your own digital certificate

To sign executables using your own digital certificate, please do the followings:

- Check the [Use digital signature] checkbox.

Digital Signature

☒ Use digital signature

Digital certificate file is optional when building a Windows installer.
You must send us the correct password to decrypt your private key.
installer with no digital signature will be built instead.

- Choose [Use certificate in mycredentials.spc/mycert.pfx uploaded] as shown below.

Digital certification used to sign all EXE/JAR files:

☐ Use Ahsay Systems Corporation Certificate
 ☒ Use certificate in mycredentials.spc/mycert.pfx uploaded

Digital Certificate Password:

- Input the passphrase in the [Digital Certificate Password] password field. Since the passphrase is never stored on the disk of ACP, it is required to submit for each building process.

Digital certification used to sign all EXE/JAR files:

- ☐ Use Ahsay Systems Corporation Certificate
☒ Use certificate in mycredentials.spc/mycert.pfx uploaded

Digital Certificate Password:

- If you are using the certificates mycredentials.spc and myprivatekey.pvk, select "SPC & PVK" from the dropdown box and browse the source files in your machine.

Upload your certificates:
 *Some certificates are missing. Please upload your certificates below before using digital signature

Please select your certificate type: SPC & PVK

mycredentials.spc: Browse... No file selected.

myprivatekey.pvk: Browse... No file selected.

- If you are using the pfx certificate, select "PFX" from the dropdown box and browse the source file in your machine.

Upload your certificates:
 *Some certificates are missing. Please upload your certificates below before using digital signature

Please select your certificate type: PFX

mycert.pfx: Browse... No file selected.

- Click the [Save] button to save the changes for the current session.

Two format of digital certificate files can be used.

- Code Signing Certificate (mycredentials.spc) and private key file (myprivatekey.pvk)
- Personal Information Exchange (mycert.pfx)

They can be purchased from a public trusted CA, such as Thawte and Verisign, or you can obtain them from an internal CA. The use of a digital certificate that is signed by a public trusted CA is highly recommended because it is recognized by most operating systems.

Public trusted CA includes:

- [Thawte](#) - Microsoft Authenticode (Multi-Purpose) Certificate
- [Verisign](#) - Code Signing Certificates for Microsoft Authenticode

Note: A hassle-free service is available if you have any difficulty in digital signing. For more information, please feel free to contact our [sales representatives](#).

5.5 Digital Signature for Customized Software (Mac OSX)

To sign your Mac OSX installer packages with digital signature, you are required to join the Apple DEV program, and sign the install packages. Beforehand, please prepare the AhsayOBM and AhsayACB installer packages (.pkg) .

Please follow our [appendix](#) to sign the installer packages.

5.6 Build Customized Software

To build the customized software, please do the followings:

1. Click on the [Step 5. Build Options].

Step 4. Digital Signature

Digitally sign the installers with Ahsay System Corporation Certificate or your own certificate.

Step 5. Build Options

Choose and build the required installers.

2. Select the software version from the [Version] dropdown box.







3. Select the Build mode in the [Build Profile] option:

Platforms	 AhsayOBS™	 AhsayRPS™
		<input checked="" type="checkbox"/>
UNIX LINUX		<input checked="" type="checkbox"/>
 Version: 2.4.0.x		ISO: <input checked="" type="checkbox"/> IMG: <input checked="" type="checkbox"/>
Build Profile*: <input checked="" type="radio"/> Full Deployment Mode <input type="radio"/> Fast Testing Mode		

- Full Deployment Mode – build AhsayOBS & AhsayRPS and/or AhsayNCU together with any AhsayOBM and AhsayACB installers selected.
- Fast Testing Mode – build AhsayOBS & AhsayRPS and/or AhsayNCU installers only. AhsayOBM and AhsayACB are not built nor bundled with AhsayOBS & AhsayRPS and AhsayNCU installer.

4. Select the installer to build by checking the checkbox next to it.

Platforms	 AhsayOBM™	 AhsayACB™
		<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
UNIX LINUX	<input checked="" type="checkbox"/>	N/A
Please select the [Full Deployment Mode] radio button on the right hand side table to enable the above radio buttons.		

Platforms	 AhsayOBS™	 AhsayRPS™
		<input checked="" type="checkbox"/>
UNIX LINUX		<input checked="" type="checkbox"/>
 Version: 2.4.0.x		ISO: <input checked="" type="checkbox"/> IMG: <input checked="" type="checkbox"/>
Build Profile*: <input checked="" type="radio"/> Full Deployment Mode <input type="radio"/> Fast Testing Mode		

5. Click the [Build] button to start the building installers operation.

5.7 Download Customized Software

To download the customized software, please do the followings:

1. Click on the [Step 6. Check Status] link.

Step 5. Build Options

Choose and build the required installers.

Step 6. Check Status

Check the build status of the installers.

2. Select the correct version from the [Version] dropdown box.

Check Status

Version





- Click the [Check Status] button to check whether the building installer operation is finished. Repeat this step until the build process is completed.

Platforms	AhsayOBM™	AhsayACB™	AhsayOBS™	AhsayRPS™
	Building		Building	
	Building	Building	N/A	
UNIX LINUX	Building	N/A	Building	
	Building		N/A	
 Version: 2.4.0.x	N/A		ISO: Building IMG: Building	

For the supported platforms, please refer to the [Supported Platform List](#)

Check Status

- Click on the links to download the corresponding the installers.

Platforms	AhsayOBM™	AhsayACB™	AhsayOBS™	AhsayRPS™
	obc-win.exe** (62 Mb) (09-08-2011 01:21:00)		obsr-win.exe (94 Mb) (15-08-2011 03:26:09)	
	obm-mac.zip (17 Mb) (09-08-2011 01:20:12)	acb-mac.zip (9 Mb) (09-08-2011 01:19:54)	N/A	
UNIX LINUX	obm-nix.tar.gz (83 Mb) (09-08-2011 01:22:48)	N/A	obsr-nix.tar.gz (122 Mb) (15-08-2011 03:34:47)	
	obc-app-upgrade.zip (173 Mb) (09-08-2011 01:23:28)		N/A	
 Version: 2.4.0.x	N/A		obsr-ubs.iso (187 Mb) (14-08-2011 18:22:11) obsr-ubs.img (920 Mb) (14-08-2011 18:22:37)	

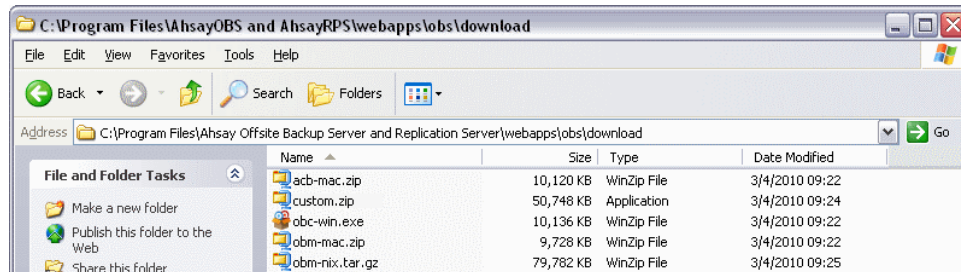
For the supported platforms, please refer to the [Supported Platform List](#)

Check Status

5.8 Deploy Customized Software

Update Customized AhsayOBM / AhsayACB Installers to AhsayOBS









After downloading all required installers, copy them to %OBSR_HOME%\webapps\obs\download.



Update Customized Auto-upgrade patches to AhsayOBS

To update the customized auto-upgrade patch to AhsayOBS, please do the followings:

1. Download the auto-upgrade patch file, obc-app-upgrade.zip, from ACP.

Platforms	 AhsayOBM™	 AhsayACB™	 AhsayOBS™	 AhsayRPS™	 AhsayNCU™
	obc-win.exe** (49 Mb) (20-10-2010 03:37:17)		obsr-win.exe (282 Mb) (20-10-2010 03:41:26)		obsr-ncu-win.exe (378 Mb) (20-10-2010 03:43:16)
	Windows 2000 / XP / 2003 / Vista (both 32-bit and 64 bit versions) Windows 95 / 98 / ME / NT are no longer supported by all Ahsay™ v5.5 products. If you want to run Ahsay™ products on these platforms, please use v5.2 instead.				
	obm-mac.zip (9 Mb) (20-10-2010 03:35:07)	acb-mac.zip (9 Mb) (20-10-2010 03:34:53)	N/A		obsr-ncu-mac.zip (348 Mb) (20-10-2010 03:44:24)
	Mac OS X v10.3 or above				
UNIX LINUX	obm-nix.tar.gz (76 Mb) (20-10-2010 03:37:53)	N/A	obsr-nix.tar.gz (309 Mb) (20-10-2010 03:48:43)		obsr-ncu-nix.tar.gz (383 Mb) (20-10-2010 03:45:38)
	Sun Solaris, AIX, HP-UX, FreeBSD and Redhat Linux 6.0 or above				
	obc-app-upgrade.zip (45 Mb) (20-10-2010 03:38:10)		N/A		N/A
	AutoUpdate patch files				

Check Status

2. Unzip file and copy all its contents to %OBSR_HOME%\webapps\obs\liveUpdate.

5.9 Multiple Profiles

This feature helps the partners to manage multiple sets of customization profiles within one single Partners Account.

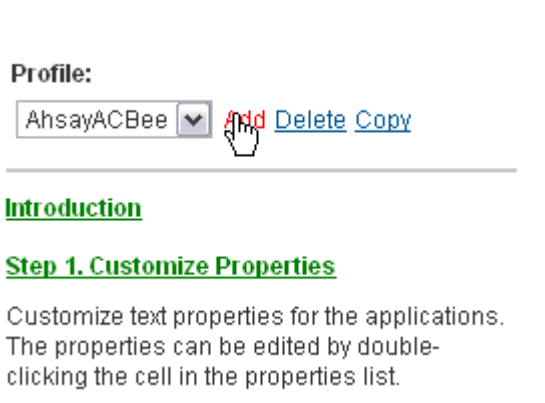
A default profile named with the Partners Account is created for every partner. All previous customization settings are stored in this profile.

Note: Starting from Nov 2010, the global replacement feature is now support multiple profiles. Hence, each profile will have its own set of global replacement rules.

5.9.1 Create New Profile

Please follow the steps below to create a new customization profile:

1. Click on the [Add] link located in the left menu.



Profile:

AhsayACBee ▼ [Add](#) [Delete](#) [Copy](#)

Introduction

Step 1. Customize Properties

Customize text properties for the applications.
The properties can be edited by double-clicking the cell in the properties list.

2. Input the new profile name in the [Profile Name] field.



Profile Name (maximum 15 characters)

Base on Existing Profile? ☐ Yes ☒ No

3. Select "Yes" for the [Base on Existing Profile?] option to create the new profile based on an existing profile. Otherwise, select "No" for this option. If select "yes" and multiple customization profiles already existed on the current account, please choose the customization profile used to create the new profile from the dropdown box.

Base on Existing Profile?

☒ Yes ☐ No

Base on: AhsayACBee
AhsayACBee
Demo
NewProfile

4. Click the [Create] button to create the new customization profile.

5.9.2 Switch Profile

To switch the profile, simply select the profile name from the [Profile] dropdown box located in the left menu. Once the profile is selected, the customized properties, customized files and application settings will be changed correspondingly.

Profile:

AhsayACBeeV6 [Add](#) [Delete](#) [Copy](#)
AhsayACBee
AhsayACBeeV6
Demo
NewProfile

Step 1. Customize Properties

Customize text properties for the applications.
 The properties can be edited by double-clicking the cell in the properties list.

5.9.3 Delete Profile

To delete a customization profile, please follow the below steps:

1. Select the profile to be deleted from the [Profile] dropdown box.

Profile:

AhsayACBeeV6 [Add](#) [Delete](#) [Copy](#)
AhsayACBee
AhsayACBeeV6
Demo
NewProfile

Step 1. Customize Properties

Customize text properties for the applications.
 The properties can be edited by double-clicking the cell in the properties list.

2. Click on the [Delete] link.

Profile:

AhsayACBeeV6 [Add](#) [Delete](#) [Copy](#)

Introduction

Step 1. Customize Properties

Customize text properties for the applications.
The properties can be edited by double-clicking the cell in the properties list.

3. A warning dialog will be popped up for confirmation. Click the [OK] button to confirm the delete of the selected profile.

5.9.4 Copy Profile

Please follow the steps below to copy a profile.

1. Click on the [Copy] link on the left menu.

Profile:

AhsayACBeeV6 [Add](#) [Delete](#) [Copy](#)

Introduction

Step 1. Customize Properties

Customize text properties for the applications.
The properties can be edited by double-clicking the cell in the properties list.

2. Select the profile to copy from the [Copy From Profile] dropdown box and select the profile to copy to the [Copy To Profile] dropdown box.

Copy From Profile

AhsayACBeeV6

Copy To Profile

Demo
AhsayACBee
AhsayACBeeV6
Demo
NewProfile

Overwrite profile?

3. To overwrite the target profile, please tick the [Overwrite Profile] checkbox, otherwise please leave it empty.

Copy To Profile

Demo



Overwrite profile?



4. Click the [Copy] button to start the copying process.

Note:

If the [Overwrite profile?] checkbox is checked, target profile's properties, customization files and application settings will be overwritten.

If the [Overwrite profile?] checkbox is unchecked, customized properties and the customized files will be copied only if they are not customized or not existed in the target profile. Also, the application settings will not be copied.

6 Generate Customized Installers with Hotfix

6.1 AhsayACB and AhsayOBM

To generate AhsayACB / AhsayOBM installers with the latest hotfix, please do the following:

Windows

1. Logon to ACP using your Partners ID.
2. Click on the [Step 2. Upload Customized Files] link.
3. Navigate to "Home > custom-obm > app > win" folder for AhsayOBM or "Home > custom-acb > app > win" folder for AhsayACB.
4. Select the [Upload Files to Current Directory] option.
5. Click the [Browse...] button and choose the "obm-win-hotfix.zip" file for AhsayOBM or "acb-win-hotfix.zip" for AhsayACB.
6. Select "Yes" for the [Unzip Files] options.
7. Click the [Submit] button to upload the AhsayOBM / AhsayACB Windows hotfix archive file to ACP.
8. Continue with the usual steps to generate customized AhsayOBM / AhsayACB installers with the hotfix.

Mac

1. Logon to ACP using your Partners ID.
2. Click on the [Step 2. Upload Customized Files] link.
3. Navigate to "Home > custom-obm > app > mac" folder for AhsayOBM or "Home > custom-acb > app > mac" folder for AhsayACB.
4. Select the [Upload Files to Current Directory] option.
5. Click the [Browse...] button and choose the "obm-mac-hotfix.zip" file for AhsayOBM or "acb-mac-hotfix.zip" for AhsayACB.
6. Select "Yes" for the [Unzip Files] options.
7. Click the [Submit] button to upload the AhsayOBM / AhsayACB Mac hotfix archive file to ACP.
8. Continue with the usual steps to generate customized AhsayOBM / AhsayACB installers with the hotfix.

Linux/Unix

1. Logon to ACP using your Partners ID.
2. Click on the [Step 2. Upload Customized Files] link.
3. Navigate to "Home > custom-obm > app > nix" folder for AhsayOBM.
4. Select the [Upload Files to Current Directory] option.
5. Click the [Browse...] button and choose the "obm-nix-hotfix.zip" file for AhsayOBM.
6. Select "Yes" for the [Unzip Files] options.
7. Click the [Submit] button to upload the AhsayOBM Linux hotfix archive file to ACP.
8. Continue with the usual steps to generate customized AhsayOBM installers with the hotfix.

6.2 AhsayOBS & AhsayRPS

Important:

Since we have disabled the default https connection protocol SSLv3 in version 6.21.2.0, to allow all your existing pre-6.21.2.0 clients to be able to connect to your new AhsayOBS, you need to ensure the https connection settings in conf\server.xml is set to "sslProtocol="TLS"". After you have auto-upgrade all your clients to the latest version (6.21.2.0 or later), you can change the default https connection protocol to "**sslProtocols="TLSv1"**". The default https connection protocol "TLSv1" is important and required to update as soon as possible, for further information, please refer to [our forum post](#).

To generate AhsayOBS & AhsayRPS installers with the latest hotfix, please do the followings:

Windows

1. Logon to ACP using your Partners ID.
2. Click on the [Step 2. Upload Customized Files] link.
3. Navigate to "Home > custom-obsr > app > win" folder.
4. Select the [Upload Files to Current Directory] option.
5. Click the [Browse...] button and choose the "obsr-win-hotfix.zip" file.
6. Select "Yes" for the [Unzip Files] options.

7. Click the [Submit] button to upload the AhsayOBS & AhsayRPS Windows hotfix archive file to ACP.
8. Continue with the usual steps to generate customized AhsayOBS & AhsayRPS installers with the hotfix.

Linux/Unix

1. Logon to ACP using your Partners ID.
2. Click on the [Step 2. Upload Customized Files] link.
3. Navigate to "Home > custom-obsr > app > nix" folder.
4. Select the [Upload Files to Current Directory] option.
5. Click the [Browse...] button and choose the "obsr-nix-hotfix.zip" file.
6. Select "Yes" for the [Unzip Files] options.
7. Click the [Submit] button to upload the AhsayOBS & AhsayRPS Linux hotfix archive file to ACP.
8. Continue with the usual steps to generate customized AhsayOBS & AhsayRPS installers with the hotfix.

6.3 AhsayNCU

To generate AhsayNCU installers with the latest hotfix, please do the followings:

1. Logon to ACP using your Partners ID.
2. Click on the [Step 2. Upload Customized Files] link.
3. Navigate to "Home > custom-obsr > installer > ncu > framework" folder.
4. After navigating to the target folder, select the [Upload Files to Current Directory] option.
5. Click the [Browse...] button and choose the "obsr-ncu-hotfix.zip" file.
6. Select "Yes" for the [Unzip Files] options.
7. Click the [Submit] button to upload the AhsayNCU hotfix archive file to ACP.
8. Continue with the usual steps to generate AhsayNCU installers with the hotfix.

7 Basic Customization Options

This chapter outlines the basic information required to customize the applications and installers.

7.1 Customize Company Name

To customize the company name for shown in installers/applications, please edit the properties located in the "Branding Information" property group:

- %COMPANY_NAME_FULL%
- %COMPANY_NAME_SHORT%
- %COMPANY_NAME_SYSTEM%
- %COMPANY_URL%
- %COMPANY_COPYRIGHT%
- %COMPANY_EMAIL%
- %COMPANY_URL%
- %COMPANY_TEL%
- %COMPANY_URL%
- %BUY_LICENSE_URL%

For detail explanation, please refer to the information from [this file](#). Please use Firefox or Opera to view the html files in customizable-items-obx.zip.

7.2 Customize Product Name

To customize the product name shown in installers/applications, please edit the following properties located in the "Branding Information" property group:

AhsayOBS and AhsayRPS (Installer)

- %OBSR_FULL_NAME%
- %OBSR_FULL_NAME_SYSTEM%
- %OBSR_SHORT_NAME%
- %OBSR_SHORT_NAME_SYSTEM%
- %OBSR_COMMENTS%
- %OBSR_COMMENTS_SYSTEM%

AhsayOBS (Application)

- %OBS_FULL_NAME%
- %OBS_SHORT_NAME%
- %OBS_SERVICE%

AhsayRPS (Application)

- %RPS_FULL_NAME%
- %RPS_SHORT_NAME%
- %RPS_COMMENTS%

AhsayOBC (Installer)

- %OBC_FULL_NAME%
- %OBC_FULL_NAME_SYSTEM%
- %OBC_SHORT_NAME%
- %OBC_SHORT_NAME_SYSTEM%
- %OBC_COMMENTS%
- %OBC_COMMENTS_SYSTEM%

AhsayOBM (Application)

- %OBM_FULL_NAME%
- %OBM_FULL_NAME_SYSTEM%
- %OBM_SHORT_NAME%
- %OBM_SHORT_NAME_SYSTEM%
- %OBM_COMMENTS%
- %OBM_COMMENTS_SYSTEM%
- %OBM_SCHEDULER%

AhsayACB (Application)

- %ACB_FULL_NAME%
- %ACB_FULL_NAME_SYSTEM%
- %ACB_SHORT_NAME%
- %ACB_SHORT_NAME_SYSTEM%
- %ACB_COMMENTS%
- %ACB_COMMENTS_SYSTEM%
- %ACB_SCHEDULER%

AhsayNCU (Installer)

To customize AhsayNCU, please change the following in "NAS Client Utility" property group:

- NAS_GUI_TITLE

For detail explanation, please refer to the information from [this file](#). Please use Firefox or Opera to view the html files in customizable-items-obx.zip.

AhsayUBS (Installer)

%UBS_FULL_NAME%
%UBS_FULL_NAME_SYSTEM%
%UBS_SHORT_NAME%
%UBS_SHORT_NAME_SYSTEM%
%UBS_COMMENTS%
%UBS_COMMENTS_SYSTEM%
%UBS_COPYRIGHT %

For detail explanation, please refer to the "Ahsay Universal Backup System Administrator's Guide".

7.3 Customize Default Installation Location

This feature only works with Windows installers. To change the default installation location for AhsayACB, AhsayOBM, AhsayOBS and AhsayRPS, please edit the following properties located in "Installer Configuration" property group:

- acb.deploy.win.install.location
- obm.deploy.win.install.location
- obsr.deploy.win.install.location

{pf} – stands for default Program Files folder in windows.

7.4 Customize Company Logo and Products Icons

To brand the Company Logo and Products Icons, please customize the following files:

Installer - AhsayOBS and AhsayRPS

- /custom-obsr/installer/win/icons/small.bmp
- /custom-obsr/installer/win/icons/aboutBG.bmp
- /custom-obsr/installer/win/icons/installer.ico
- /custom-obsr/installer/win/icons/uninstall.ico
- /custom-obsr/installer/win/icons/desktop.ico
- /custom-obsr/installer/win/icons/server-start.ico
- /custom-obsr/installer/win/icons/server-stop.ico
- /custom-obsr/installer/win/icons/server-restart.ico
- /custom-obsr/installer/mac/icns/OBSRLogo.icns
- /custom-obsr/installer/mac/installer/background.jpg

Installer – AhsayNCU

- /custom-obsr/installer/ncu/icns/OBSRLogo.icns
- /custom-obsr/installer/ncu/icons/installer.ico
- /custom-obsr/installer/ncu/icons/ncu-splash.ico

Application – AhsayOBS

- /custom-obsr/app/common/webapps/obs/jsp/icon/acb.gif
- /custom-obsr/app/common/webapps/obs/jsp/icon/obm.gif
- /custom-obsr/app/common/webapps/obs/jsp/images/OBS_login_big.gif
- /custom-obsr/app/common/webapps/obs/jsp/images/OBS_login_small.gif
- /custom-obsr/app/common/webapps/obs/logo/agent.large.gif
- /custom-obsr/app/common/webapps/obs/logo/agent.small.left.gif
- /custom-obsr/app/common/webapps/obs/logo/agent.small.right.gif
- /custom-obsr/app/common/webapps/obs/logo/default.large.gif
- /custom-obsr/app/common/webapps/obs/logo/default.small.left.gif
- /custom-obsr/app/common/webapps/obs/logo/default.small.right.gif

Application – AhsayRPS

- /custom-obsr/app/common/webapps/rps/jsp/images/RPS_login_big.gif
- /custom-obsr/app/common/webapps/rps/jsp/images/RPS_login_small.gif
- /custom-obsr/app/common/webapps/rps/logo/agent.large.gif
- /custom-obsr/app/common/webapps/rps/logo/agent.small.left.gif
- /custom-obsr/app/common/webapps/rps/logo/agent.small.right.gif
- /custom-obsr/app/common/webapps/rps/logo/default.large.gif
- /custom-obsr/app/common/webapps/rps/logo/default.small.left.gif
- /custom-obsr/app/common/webapps/rps/logo/default.small.right.gif

Installer – AhsayOBC

- /custom-obc/installer/win/icons/installer.ico
- /custom-obc/installer/win/icons/obc-background.bmp
- /custom-obc/installer/win/icons/obc-splash.bmp
- /custom-obc/installer/win/icons/obm-splash.bmp
- /custom-obc/installer/win/icons/acb-splash.bmp

Installer – AhsayACB

- /custom-acb/installer/win/icons/aboutBG.bmp
- /custom-acb/installer/win/icons/small.bmp
- /custom-acb/installer/win/icons/installer.ico
- /custom-acb/installer/win/icons/uninstall.ico
- /custom-acb/installer/win/icons/desktop.ico
- /custom-acb/installer/mac/icns/ACBLogo.icns
- /custom-acb/installer/mac/installer/background.jpg

Installer – AhsayOBM

- /custom-obm/installer/win/icons/aboutBG.bmp
- /custom-obm/installer/win/icons/small.bmp
- /custom-obm/installer/win/icons/installer.ico
- /custom-obm/installer/win/icons/uninstall.ico
- /custom-obm/installer/win/icons/desktop.ico
- /custom-obm/installer/mac/icns/OBMLogo.icns
- /custom-obm/installer/mac/installer/background.jpg

Application – AhsayACB

- /custom-acb/app/common/bin/acb.company_splash.png
- /custom-acb/app/common/bin/acb.company_titleLogo.png
- /custom-acb/app/common/bin/acb.company_logo.png
- /custom-acb/app/common/bin/acb.company_mainLogo.png
- /custom-acb/app/common/bin/acb.company_aboutBG.png
- /custom-acb/app/win/bin/icon*.ico

Optional:

- /custom-acb/app/common/bin/acb.backupCtrlBG.png
- /custom-acb/app/common/bin/acb.restoreCtrlBG.png
- /custom-acb/app/common/bin/acb.generalBG.png
- /custom-acb/app/common/bin/acb.mainCtrlBG.png
- /custom-acb/app/common/bin/images/ctrl55_backup.png
- /custom-acb/app/common/bin/images/ctrl55_restore.png
- /custom-acb/app/common/bin/images/ctrl38_profile.png
- /custom-acb/app/common/bin/images/ctrl38_source.png
- /custom-acb/app/common/bin/images/ctrl38_schedule.png
- /custom-acb/app/common/bin/images/ctrl38_setting.png
- /custom-acb/app/common/bin/images/ctrl38_help.png

For the specification of these optional images, please refer to [Appendix F](#).

Application – AhsayOBM

- /custom-obm/app/common/bin/obm.company_splash.png
- /custom-obm/app/common/bin/obm.company_titleLogo.png
- /custom-obm/app/common/bin/obm.company_logo.png
- /custom-obm/app/common/bin/obm.company_mainLogo.png
- /custom-obm/app/common/bin/obm.company_aboutBG.png
- /custom-obm/app/win/bin/icon*.ico

Optional:

- /custom-obm/app/common/bin/obm.backupCtrlBG.png
- /custom-obm/app/common/bin/obm.restoreCtrlBG.png
- /custom-obm/app/common/bin/obm.generalBG.png
- /custom-obm/app/common/bin/obm.mainCtrlBG.png
- /custom-obm/app/common/bin/images/ctrl55_backup.png
- /custom-obm/app/common/bin/images/ctrl55_restore.png
- /custom-obm/app/common/bin/images/ctrl38_profile.png
- /custom-obm/app/common/bin/images/ctrl38_setting.png
- /custom-obm/app/common/bin/images/ctrl38_unzip.png
- /custom-obm/app/common/bin/images/ctrl38_decrypt.png
- /custom-obm/app/common/bin/images/ctrl38_help.png

For the specification of these optional images, please refer to [Appendix G](#).

Application – AhsayUBS

- /custom-ubs/installer/splash/splash_320x200.bmp
- /custom-ubs/installer/splash/splash_1024x768.bmp
- /custom-ubs/app/ubs/webadmin/www/images/ind/*.png
- /custom-ubs/app/ubs/webadmin/www/images/std/*.png
- /custom-ubs/app/ubs/webadmin/www/images/*.png
- /custom-ubs/app/ubs/webadmin/www/images/favicon.ico

For other branding options on the AhsayUBS firmware, please refer to the chapter 'Customization of AhsayUBS Firmware' in the [AhsayUBS Administrator Guide](#) for details.

7.5 Enable / Disable Languages in Installers

To enable/disable a language shown in the installers, please do the followings:

1. Click on the [Step 1. Customize Properties] link.
2. Go to the "Installers –Configuration" property group on ACP.
3. Edit the corresponding column, to enable a language, choose "true". Otherwise, choose "false".

7.6 Customize AhsayOBM and AhsayACB

Backup Server Settings

To pre-set the default backup server to use by the customized AhsayOBM and AhsayACB, please do the followings:

1. Click on the [Step 3. Application Settings] link.
2. Expand the node [Customize AhsayACB Settings] or [Customize AhsayOBM Settings].
3. Under Backup Server Setting section, enter the default server DNS name in the [Backup Server] textfield.
4. Select the default [Protocol] to use [Backup Protocol] option.
5. Specify the port to use in the [Backup Port] option.
6. Click the [Save] button to update the settings.

Enable/disable Languages in Application

To enable/disable a language shown in the AhsayACB and AhsayOBM, please do the followings:

1. Click on the [Step 3. Application Settings] link.
2. Expand the node [Customize AhsayACB Settings] or [Customize AhsayOBM Settings].
3. Under the Language Section, select the default language and select the languages to be shown by checking/un-checking the checkbox next to the corresponding language.
4. Click the [Save] button to update the settings.

Set Default Encrypting Key

To set a default encrypting key for AhsayOBM and AhsayACB, please do the followings:

1. Click on the [Step 3. Application Settings] link.
2. Expand the node [Customize AhsayACB Settings] or [Customize AhsayOBM Settings].
3. Under the GUI Feature Section, check the [Skip prompting for encrypting key] checkbox.
4. Choose either [Custom encrypting key] and specify a key.
5. Click the [Save] button to update the settings.

Pre-defined Color Theme

ACP provides some pre-defined color theme for AhsayACB and AhsayOBM, to apply a pre-defined theme to your installer, please do the followings:

1. Click on the [Step 3. Application Settings] link.
2. Expand the node [Customize AhsayACB Settings] or [Customize AhsayOBM Settings].
3. Under Look And Feel section, choose [Use Color Theme] and choose one of them from the drop down box.
4. Click the [Save] button to apply the changes.

Custom Color Theme

To use custom pre-defined color theme, please do the followings:

1. Click on the [Step 2. Upload Customized Files] link.
2. For AhsayACB, navigate to "/custom-acb/app/common" and download the acb.lookandfeel.xml. For AhsayOBM, navigate to "/custom-obm/app/common" and download obm.lookandfeel.xml.
3. Edit the xml file downloaded.
4. Click on the [Step 3. Application Settings] link.
5. Expand the node [Customize AhsayACB Settings] or [Customized AhsayOBM Settings].
6. Under Look And Feel section, choose [Use Custom Color Theme] and Upload the edited xml file. For more information, please refer to [Appendix I](#).
7. Click the [Save] button to apply the changes.

7.7 Digital Signature of Customized Installers

To digital sign the installers generated, please do the followings:

1. Click on the [Step 4. Digital Signature] link.
2. Select the method to sign the installers generated.
3. Click the [Save] button to apply the changes.
4. Continue to the next step in the customization process.

8 Further Information

8.1 Bundle Custom Keystore to Customized Installers

In order to bundle a custom keystore into Windows and Linux / Unix installers, please download and unzip the customization.zip. Add the CA certs file to the following folders:

- \custom-obm\app\win\jvm\lib\security
- \custom-obm\app\nix\jvm\lib\security
- \custom-acb\app\win\jvm\lib\security

Then pack the files as zip file and upload it to ACP.

8.2 Run Custom Scripts after installation

This is restricted to Windows Installers. To run custom scripts after the installation for AhsayACB and AhsayOBM, please update the post-install.bat file located in \custom-obm\app\win\bin\ and \custom-acb\app\win\bin\ respectively.

8.3 Naming Restrictions on Multiple Profiles

For the multiple profiles, it only allows English Characters (A-Z, a-z) and numbers (0-9) to be used in profile name.

8.4 Restrictions on Company Name/Product Name

There are some restrictions for some of the properties:

Property Key	Type
%COMPANY_NAME_FULL%	Alphanumeric
%COMPANY_NAME_SHORT%	Alphanumeric
%COMPANY_NAME_SYSTEM%	Alphanumeric
%COMPANY_URL%	Unicode
%COMPANY_COPYRIGHT%	Unicode
%SUPPORT_EMAIL%	Unicode
%SUPPORT_URL%	Unicode
%SUPPORT_TEL%	Unicode
%UPDATE_URL%	Unicode
%BUY_LICENSE_URL%	Unicode
%OBSR_FULL_NAME%	Unicode
%OBSR_FULL_NAME_SYSTEM%	Alphanumeric
%OBSR_SHORT_NAME%	Unicode
%OBSR_SHORT_NAME_SYSTEM%	Alphanumeric
%OBSR_COMMENTS%	Unicode
%OBSR_COMMENTS_SYSTEM%	Alphanumeric
%OBS_FULL_NAME%	Unicode
%OBS_SHORT_NAME%	Unicode
%OBS_SERVICE%	Alphanumeric

%RPS_FULL_NAME%	Unicode
%RPS_SHORT_NAME%	Unicode
%RPS_COMMENTS%	Unicode
%OBC_FULL_NAME%	Unicode
%OBC_FULL_NAME_SYSTEM%	Alphanumeric
%OBC_SHORT_NAME%	Unicode
%OBC_SHORT_NAME_SYSTEM%	Alphanumeric
%OBC_COMMENTS%	Unicode
%OBC_COMMENTS_SYSTEM%	Alphanumeric
%OBM_FULL_NAME%	Unicode
%OBM_FULL_NAME_SYSTEM%	Alphanumeric
%OBM_SHORT_NAME%	Unicode
%OBM_SHORT_NAME_SYSTEM%	Alphanumeric
%OBM_COMMENTS%	Unicode
%OBM_COMMENTS_SYSTEM%	Alphanumeric
%OBM_SCHEDULER%	Alphanumeric
%ACB_FULL_NAME%	Unicode
%ACB_FULL_NAME_SYSTEM%	Alphanumeric
%ACB_SHORT_NAME%	Unicode
%ACB_SHORT_NAME_SYSTEM%	Alphanumeric
%ACB_COMMENTS%	Unicode
%ACB_COMMENTS_SYSTEM%	Alphanumeric
%ACB_SCHEDULER%	Alphanumeric
%UBS_FULL_NAME%	Unicode
%UBS_FULL_NAME_SYSTEM%	Alphanumeric
%UBS_SHORT_NAME%	Unicode
%UBS_SHORT_NAME_SYSTEM%	Alphanumeric
%UBS_COMMENTS%	Unicode
%UBS_COMMENTS_SYSTEM%	Alphanumeric
%UBS_COPYRIGHT%	Alphanumeric

Alphanumeric – only supports "A-Z", "a-z", "0-9", '-', '_' and space character.

Unicode – no restrictions on the characters used.

Appendix

Appendix A Ahsay Customization Portal Change Log

Date	Update Information
2009-11-08	No updates have been made.
2009-11-20	No updates have been made.
2010-03-16	1. Feature – Merge with PCP 2. Feature – Migrate edit-application-settings.bat to ACP 3. Feature – Allow users to upload/delete customized files in ACP 4. Feature – Show installer build status 5. Feature – Build installers without uploading custom.zip 6. Feature – Upload/Download customization.zip
2010-03-30	1. Feature – Allow users to download properties.zip
2010-05-31	1. A new dynamic file browser for listing / uploading / downloading / deleting the custom files is now available at [Step 2.Upload Customized Files].
2010-06-04	1. Updates UI for the file browser at [Step 2. Upload Customized Files].
2010-06-30	1. Feature – Multiple Profiles
2010-09-02	1. Feature – Support non-English Characters in Product Name

Appendix B Properties Customization Page Change Log

Date	Update Information
2009-11-08	<ol style="list-style-type: none"> 1. Feature - Remove the button for generating properties for individual property groups. 2. Feature - Add [Generate New Branding.zip] button for all property groups. 3. Feature - Add download link to download previous Branding.zip generated 4. Feature - Change [Language Preferences] to [Preferences] 5. Feature - The [Language Preferences] Page is moved to [Preferences] 6. Feature - Add [Global Replacement] under [Preferences] 7. Feature - Download Dialog will pop-up automatically in the download page 8. Feature – Add 40 blank rules in “Terms of Use” 9. Bug Fixed – When generating properties for “Terms of Use”, empty line is generated if the property is blank.
2009-11-20	<ol style="list-style-type: none"> 1. Feature – Add the edit-in-place feature to simplify the edit process 2. Feature – Add [Reset to default] and [Copy from English] buttons for the main page. 3. Feature – Add search function to PCP. User can choose to use “Exact Match” or “Partial Match” to perform the search.
2010-03-16	<ol style="list-style-type: none"> 1. Feature – Merge with ACP 2. Feature – Generating and uploading Branding.zip are not required anymore.
2010-07-19	<ol style="list-style-type: none"> 1. Feature – Introduced Versioning on Properties. (Major Release).
2010-09-02	<ol style="list-style-type: none"> 1. Feature – new System properties added for application and installers.
2010-11-01	<ol style="list-style-type: none"> 1. Bug Fixed – Global Replacement feature works for the default profile only. 2. Feature – Add Multiple Profiles support for Global Replacement feature.

Appendix C Property Group Name

Properties Customization Page is used to generate all resources files in applications, such as AhsayOBM, AhsayACB, AhsayOBS & AhsayRPS and their installers. The properties are separated into different groups:

Group Name	Application(s) Used
OBS, RPS & RDR Common	AhsayOBS & AhsayRPS AhsayRDR
OBS – Web Interface	AhsayOBS
RPS – Web Interface	AhsayRPS
RDR – Web Interface	AhsayRDR
OBM & ACB – Core	AhsayACB AhsayOBM
OBM & ACB – User Interface	AhsayACB AhsayOBM
OBM & ACB – System Tray	AhsayACB AhsayOBM
Auto Update Agent	Auto Update Agent (AUA) in: AhsayACB AhsayOBM
NAS Client Utility	AhsayNCU
BackupBox Firmware	AhsayBBF
Installer - ACB	Installer of AhsayACB
Installer - OBC	Installers of AhsayACB and AhsayOBM
Installer - OBM	Installer of AhsayOBM
Installer - OBS & RPS	Installer of AhsayOBS and AhsayRPS
Installer - NCU	Installer of AhsayNCU
Installer - RDR	Installer of AhsayRDR
Installer - Terms of Use	Terms of Use of these installers: AhsayACB AhsayOBM AhsayOBS & AhsayRPS AhsayRDR
NAS Client Utility - Terms Of Use	AhsayNCU
Universal Backup System Firmware	AhsayUBS

Appendix D Customizable Files of AhsayOBS

Installer - AhsayOBS and AhsayRPS

Path	/custom-obsr/installer/win/icons/small.bmp
Format	BMP
Size	55 x 55 pixels
Usage	Used in the 'obsr-win.exe' (OBSR installation). Note: The bitmap file to be displayed in the upper right corner of the wizard window. 256-color bitmaps may not display correctly in 256-color mode, since it does not handle palettes. The maximum size of the bitmap is 55 x 58 pixels.
Path	/custom-obsr/installer/win/icons/aboutBG.bmp
Format	BMP
Size	300 x 500 pixels
Usage	Used in the 'obsr-win.exe' (OBSR installation). Note: The bitmap file to be displayed on the left side of the wizard in the Setup program. 256-color bitmaps may not display correctly in 256-color mode, since it does not handle palettes. The maximum size of the bitmap is 164 x 314 pixels. Note that if Windows is running with Large Fonts, the area on the wizard for the bitmap will be larger.
Path	/custom-obsr/installer/win/icons/installer.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'obsr-win.exe' (OBSR installer setup icon). Used as the uninstaller receipt icon in 'Add / Remove Program' applet. Please create the 4 icons into the same ico file.
Path	/custom-obsr/installer/win/icons/uninstall.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Uninstall (OBSR uninstaller icon). Please create the 4 icons into the same ico file.
Path	/custom-obsr/installer/win/icons/desktop.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Launch %APP_NAME_SHORT% (OBSR Program Group Execution icon)

	Used in the 'Common User Desktop -> %APP_NAME_SHORT% (OBSR Desktop Execution icon). Please create the 4 icons into the same ico file.
Path	/custom-obsr/installer/win/icons/server-start.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Administrative Tools->Start %APP_NAME_SHORT%' (OBSR Administrative Tool Start Server icon). Please create the 4 icons into the same ico file.
Path	/custom-obsr/installer/win/icons/server-stop.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Administrative Tools->Stop %APP_NAME_SHORT%' (OBSR Administrative Tool Stop Server icon). Please create the 4 icons into the same ico file.
Path	/custom-obsr/installer/win/icons/server-restart.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Administrative Tools->Restart %APP_NAME_SHORT%' (OBSR Administrative Tool Restart Server icon). Please create the 4 icons into the same ico file.
Path	/custom-obsr/installer/mac/icns/OBSRLogo.icns
Format	MAC ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the following application bundles \$APP_HOME/Admin Server.app Please create the 4 icons into the same ico file.
Path	/custom-obsr/installer/mac/installer/background.jpg
Format	JPEG
Size	621 x 419 pixels
Usage	Used in the 'obsr.pkg' application package.

Application – AhsayOBS

Path	/custom-obsr/app/common/webapps/obs/jsp/icon/acb.gif
Format	GIF

Size	16 x 16 pixels
Usage	Image for AhsayACB icon on AhsayOBS Web Interface.
Path	/custom-obsr/app/common/webapps/obs/jsp/icon/obm.gif
Format	GIF
Size	16 x 16 pixels
Usage	Image for AhsayOBM icon on AhsayOBS Web Interface.
Path	/custom-obsr/app/common/webapps/obs/jsp/images/OBS_login_big.gif
Format	GIF
Size	790 x 438 pixels
Usage	Used in the following page for high resolution computers. - OBS System User login page - Backup User login page - Backup User Forgotten password page
Path	/custom-obsr/app/common/webapps/obs/jsp/images/OBS_login_small.gif
Format	GIF
Size	465 x 258 pixels
Usage	Used in the following page for low resolution computers. - OBS System User login page - Backup User login page - Backup User Forgotten password page
Path	/custom-obsr/app/common/webapps/obs/logo/agent.small.left.gif
Format	GIF
Size	100 x 29 pixels
Usage	Used in the login page.
Path	/custom-obsr/app/common/webapps/obs/logo/agent.small.right.gif
Format	GIF
Size	100 x 29 pixels
Usage	Used in the login page.

Appendix E Customizable Files of AhsayRPS

Application – AhsayRPS

Path	/custom-obsr/app/common/webapps/rps/jsp/images/RPS_login_big.gif
Format	GIF
Size	790 x 438 pixels
Usage	Used in RPS System User Login Page for high resolution computers.
Path	/custom-obsr/app/common/webapps/rps/jsp/images/RPS_login_small.gif
Format	GIF
Size	465 x 258 pixels
Usage	Used in RPS System User Login Page for low resolution computers.
Path	/custom-obsr/app/common/webapps/rps/logo/agent.small.left.gif
Format	GIF
Size	100 x 29 pixels
Usage	Used in the bottom part of the RPS System Login page.
Path	/custom-obsr/app/common/webapps/rps/logo/agent.small.right.gif
Format	GIF
Size	100 x 29 pixels
Usage	Used in the bottom part of the RPS System Login page.

Appendix F Customizable Files of AhsayOBM

Installer – AhsayOBC

Path	/custom-obc/installer/win/icons/installer.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'obc-win.exe' (OBC installer setup icon). Please create the 4 icons into the same ico file.
Path	/custom-obc/installer/win/icons/obc-background.bmp
Format	BMP
Size	340 x 240 pixels
Usage	Used in the 'obc-win.exe' which is used as background image for 'OBM' or 'ACB' selection.
Path	/custom-obc/installer/win/icons/obc-splash.bmp
Format	BMP
Size	340 x 240 pixels
Usage	Used in the 'obc-win.exe' which pop up before 'OBM' or 'ACB' selection.
Path	/custom-obc/installer/win/icons/obm-splash.bmp
Format	BMP
Size	340 x 240 pixels
Usage	Used in the 'obc-win.exe' which pop up during 'obm-win.exe' execution.
Path	/custom-obc/installer/win/icons/acb-splash.bmp
Format	BMP
Size	340 x 240 pixels
Usage	Used in the 'obc-win.exe' which pop up during 'acb-win.exe' execution.

Installer – AhsayOBM

Path	/custom-obm/installer/win/icons/aboutBG.bmp
Format	BMP
Size	300 x 500 pixels
Usage	Used in the 'obm-win.exe' (OBM installation). Note: The bitmap file to be displayed on the left side of the wizard in the Setup program. 256-color bitmaps may not display correctly in 256-color mode, since it does not handle palettes. Note that if Windows is running with Large Fonts, the area on the wizard for the bitmap will be larger.
Path	/custom-obm/installer/win/icons/small.bmp
Format	BMP

Size	55 x 55 pixels
Usage	Used in the 'obm-win.exe' (OBM installation). Note: The bitmap file to be displayed in the upper right corner of the wizard window. 256-color bitmaps may not display correctly in 256-color mode, since it does not handle palettes. The maximum size of the bitmap is 55 x 58 pixels.
Path	/custom-obm/installer/win/icons/installer.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'obm-win.exe' (OBM installer setup icon). Used as the uninstaller receipt icon in 'Add / Remove Program' applet. Please create the 4 icons into the same ico file.
Path	/custom-obm/installer/win/icons/uninstall.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Uninstall (OBM uninstaller icon). Please create the 4 icons into the same ico file.
Path	/custom-obm/installer/win/icons/desktop.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Launch %APP_NAME_SHORT% (OBM Program Group Execution icon). Used in the 'Common User Desktop -> %APP_NAME_SHORT% (OBM Desktop Execution icon). Please create the 4 icons into the same ico file.
Path	/custom-obm/installer/mac/icns/OBMLogo.icns
Format	MAC ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the following application bundles \$APP_HOME/BackupManager.app \$APP_HOME/bin/BackupManager.app \$APP_HOME/aia/bin/AutoUpdate.app \$APP_HOME/aia/bin/AutoUpdateGUI.app Please create the 4 icons into the same ico file.
Path	/custom-obm/installer/mac/installer/background.jpg
Format	JPEG

Size	621 x 419 pixels
Usage	Used in the 'obm.pkg' application package.

Application – AhsayOBM

Path	/custom-obm/app/common/bin/obm.company_splash.png
Format	PNG
Size	340 x 215 pixels
Usage	Pop up before launching OBM application GUI.
Path	/custom-obm/app/common/bin/obm.company_titleLogo.png
Format	PNG
Size	32 x 32 pixels
Usage	Title logo of OBM application GUI.
Path	/custom-obm/app/common/bin/obm.company_logo.png
Format	PNG
Size	194 x 37 pixels
Usage	Login Dialog Logo of OBM application GUI.
Path	/custom-obm/app/common/bin/obm.company_mainLogo.png
Format	PNG
Size	194 x 37 pixels
Usage	Main logo of OBM application GUI.
Path	/custom-obm/app/common/bin/obm.company_aboutBG.png
Format	PNG
Size	335 x 68 pixels
Usage	Used in about dialog of the OBM application GUI.
Path	/custom-obm/app/win/bin/icon*.ico
Format	Windows ICON
Size	16 x 16 pixels
Usage	'icon1.ico', 'icon2.ico', 'icon3.ico' and 'icon4.ico' are used by OBM SystemTray. Please arrange the 4 icons in animated sequence.

Optional:

Path	/custom-obm/app/common/bin/obm.backupCtrlBG.png
Format	PNG
Size	196 x 55 pixels
Usage	Background of the back up button area of the OBM application interface.
Path	/custom-obm/app/common/bin/obm.restoreCtrlBG.png
Format	PNG
Size	196 x 55 pixels
Usage	Background of the restore button area of the OBM application interface.

Path	/custom-obm/app/common/bin/obm.generalBG.png
Format	PNG
Size	100 x 500 pixels
Usage	The background of the OBM application.
Path	/custom-obm/app/common/bin/obm.mainCtrlBG.png
Format	PNG
Size	100 x 319 pixels
Usage	Background for the profile, setting, and help area etc.
Path	/custom-obm/app/common/bin/images/ctrl55_backup.png
Format	PNG
Size	55 x 55 pixels
Usage	Back up button of the OBM application.
Path	/custom-obm/app/common/bin/images/ctrl55_restore.png
Format	PNG
Size	55 x 55 pixels
Usage	Restore button of the OBM application.
Path	/custom-obm/app/common/bin/images/ctrl38_profile.png
Format	PNG
Size	38 x 38 pixels
Usage	Profile button of the OBM application.
Path	/custom-obm/app/common/bin/images/ctrl38_setting.png
Format	PNG
Size	38 x 38 pixels
Usage	Back up settings button of the OBM application.
Path	/custom-obm/app/common/bin/images/ctrl55_unzip.png
Format	PNG
Size	38 x 38 pixels
Usage	Decrypt local copy wizard button of the OBM application.
Path	/custom-obm/app/common/bin/images/ctrl55_decrypt.png
Format	PNG
Size	38 x 38 pixels
Usage	Decrypt file wizard button of the OBM application.
Path	/custom-obm/app/common/bin/images/ctrl55_help.png
Format	PNG
Size	38 x 38 pixels
Usage	Help button of the OBM application.

Appendix G Customizable Files of AhsayACB

Installer – AhsayACB

Path	/custom-acb/installer/win/icons/aboutBG.bmp
Format	BMP
Size	300 x 500 pixels
Usage	Used in the 'acb-win.exe' (ACB installation) Note: The bitmap file to be displayed on the left side of the wizard in the Setup program. 256-color bitmaps may not display correctly in 256-color mode, since it does not handle palettes. Note that if Windows is running with Large Fonts, the area on the wizard for the bitmap will be larger.
Path	/custom-acb/installer/win/icons/small.bmp
Format	BMP
Size	55 x 55 pixels
Usage	Used in the 'acb-win.exe' (ACB installation) Note: The bitmap file to be displayed in the upper right corner of the wizard window. 256-color bitmaps may not display correctly in 256-color mode, since it does not handle palettes. The maximum size of the bitmap is 55 x 58 pixels.
Path	/custom-acb/installer/win/icons/installer.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'acb-win.exe' (ACB installer setup icon). Used as the uninstaller receipt icon in 'Add / Remove Program' applet. Please create the 4 icons into the same ico file.
Path	/custom-acb/installer/win/icons/uninstall.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Uninstall (ACB uninstaller icon). Please create the 4 icons into the same ico file.
Path	/custom-acb/installer/win/icons/desktop.ico
Format	Windows ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the 'Start Menu->Program Groups->%APP_NAME_FULL%->Launch %APP_NAME_SHORT% (ACB Program Group Execution icon). Used in the 'Common User Desktop -> %APP_NAME_SHORT% (ACB Desktop Execution icon).

	Please create the 4 icons into the same ico file.
Path	/custom-acb/installer/mac/icns/ACBLogo.icns
Format	MAC ICON
Size	16 x 16, 32 x 32, 48 x 48, 128 x 128 pixels
Usage	Used in the following application bundles \$APP_HOME/BackupManager.app \$APP_HOME/bin/BackupManager.app \$APP_HOME/aua/bin/AutoUpdate.app \$APP_HOME/aua/bin/AutoUpdateGUI.app Please create the 4 icons into the same ico file.
Path	/custom-acb/installer/mac/installer/background.jpg
Format	JPEG
Size	621 x 419 pixels
Usage	Used in the 'acb.pkg' application package.

Application – AhsayACB

Path	/custom-acb/app/common/bin/acb.company_splash.png
Format	PNG
Size	340 x 215 pixels
Usage	Pop up before launching ACB application GUI.
Path	/custom-acb/app/common/bin/acb.company_titleLogo.png
Format	PNG
Size	32 x 32 pixels
Usage	Title logo of ACB application GUI.
Path	/custom-acb/app/common/bin/acb.company_logo.png
Format	PNG
Size	194 x 37 pixels
Usage	Login Dialog Logo of ACB application GUI.
Path	/custom-acb/app/common/bin/acb.company_mainLogo.png
Format	PNG
Size	194 x 37 pixels
Usage	Used in about dialog of the ACB application GUI.
Path	/custom-acb/app/common/bin/acb.company_aboutBG.png
Format	PNG
Size	335 x 68 pixels
Usage	Used in about dialog of the ACB application GUI.
Path	/custom-acb/app/win/bin/icon*.ico
Format	Windows ICON
Size	16 x 16 pixels
Usage	'icon1.ico', 'icon2.ico', 'icon3.ico' and 'icon4.ico' are used by ACB SystemTray. Please arrange the 4 icons in animated sequence.

Optional:

Path	/custom-acb/app/common/bin/acb.backupCtrlBG.png
Format	PNG
Size	196 x 55 pixels
Usage	Background of the back up button area of the ACB application interface.
Path	/custom-acb/app/common/bin/acb.restoreCtrlBG.png
Format	PNG
Size	196 x 55 pixels
Usage	Background of the restore button area of the ACB application interface.
Path	/custom-acb/app/common/bin/acb.generalBG.png
Format	PNG

Size	100 x 500 pixels
Usage	The background of the ACB application.
Path	/custom-acb/app/common/bin/acb.mainCtrlBG.png
Format	PNG
Size	100 x 319 pixels
Usage	Background for the profile, setting, and help area etc.
Path	/custom-acb/app/common/bin/images/ctrl55_backup.png
Format	PNG
Size	55 x 55 pixels
Usage	Back up button of the ACB application.
Path	/custom-acb/app/common/bin/images/ctrl55_restore.png
Format	PNG
Size	55 x 55 pixels
Usage	Restore button of the ACB application.
Path	/custom-acb/app/common/bin/images/ctrl38_profile.png
Format	PNG
Size	38 x 38 pixels
Usage	Profile button of the ACB application.
Path	/custom-obm/app/common/bin/images/ctrl38_setting.png
Format	PNG
Size	38 x 38 pixels
Usage	Back up settings button of the ACB application.
Path	/custom-obm/app/common/bin/images/ctrl55_unzip.png
Format	PNG
Size	38 x 38 pixels
Usage	Decrypt local copy wizard button of the ACB application.
Path	/custom-obm/app/common/bin/images/ctrl55_decrypt.png
Format	PNG
Size	38 x 38 pixels
Usage	Decrypt file wizard button of the ACB application.
Path	/custom-obm/app/common/bin/images/ctrl55_help.png
Format	PNG
Size	38 x 38 pixels
Usage	Help button of the ACB application.

Appendix H Customizable Files of AhsayNCU

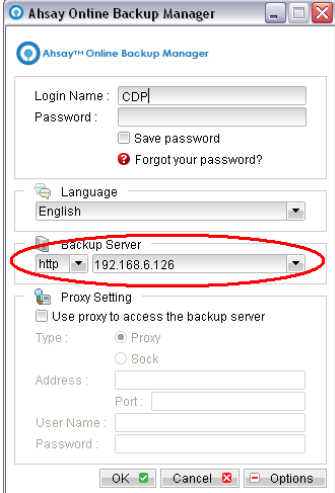
Installer – AhsayNCU

Path	/custom-obsr/installer/ncu/icns/OBSRLogo.icns
Usage	Used in the following application bundles obsr-ncu-mac.zip/NCU.app
Path	/custom-obsr/installer/ncu/icons/installer.ico
Usage	Used in the 'obsr-ncu-win.exe' (OBSR NCU Runtime setup icon).
Path	/custom-obsr/installer/ncu/icons/ncu-splash.ico
Usage	Pop up before starting NCU GUI.

Appendix I AhsayOBM/AhsayACB Application Settings

Customized Application Settings on AhsayOBM

Backup Server Settings

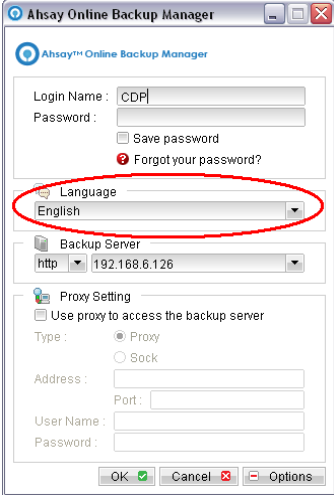
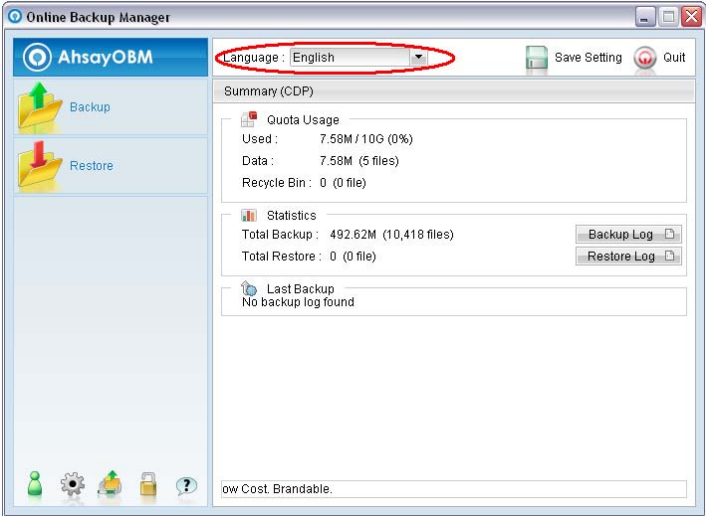
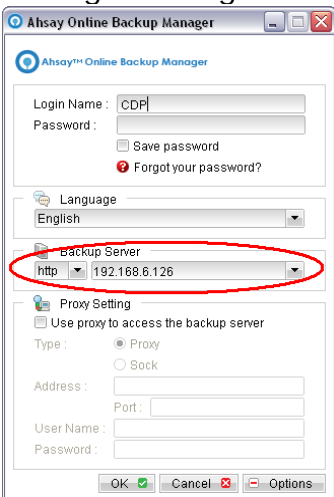


Options	Descriptions
Backup Server	The IP address or host name of the backup server.
Backup Protocol	The protocol (Http or Https) of the backup server.
Backup Port	The port number of the backup server. If the backup protocol is Https, the checkbox of 443 will be checked.

Language

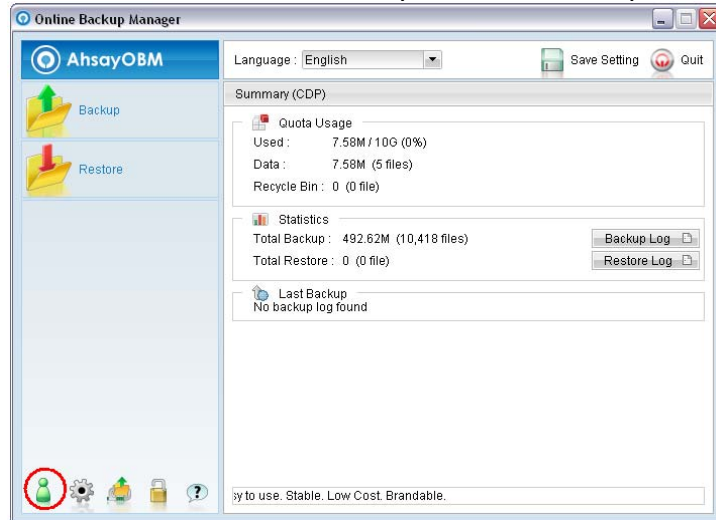
Options	Descriptions
Default Language	The default language used in AhsayOBM/AhsayACB.
Supported Languages	<p>The available supported languages in the language selection list.</p> <p>If the default language is English, the checkbox of English in Supported Languages will be checked and disabled.</p>

GUI Feature

Options	Descriptions
<p>Show select language drop down list</p>	<p>Indicate whether to show the language selection list. If this checkbox is unchecked, the default language will be used.</p>  
<p>Show backup server URL</p>	<p>Indicate whether to show the backup server URL textfield in the login dialog box.</p> 

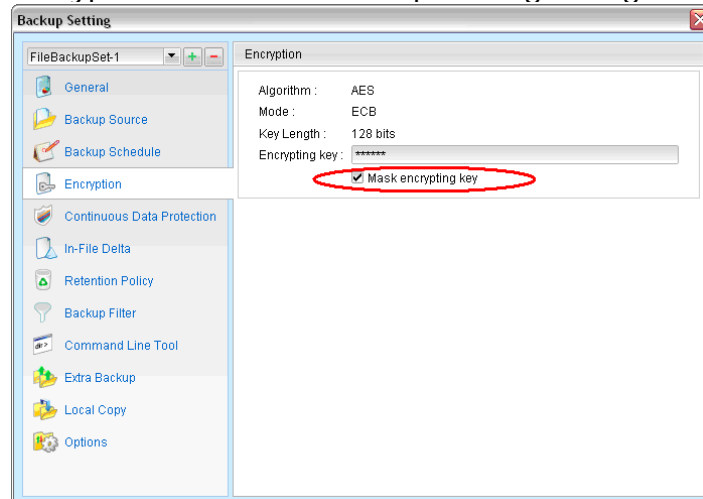
Enable user profile update

Indicate whether the user profile can be updated.



Show unmask encrypting key checkbox

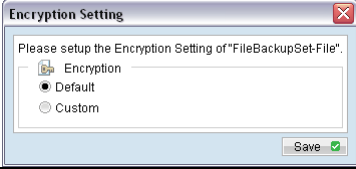
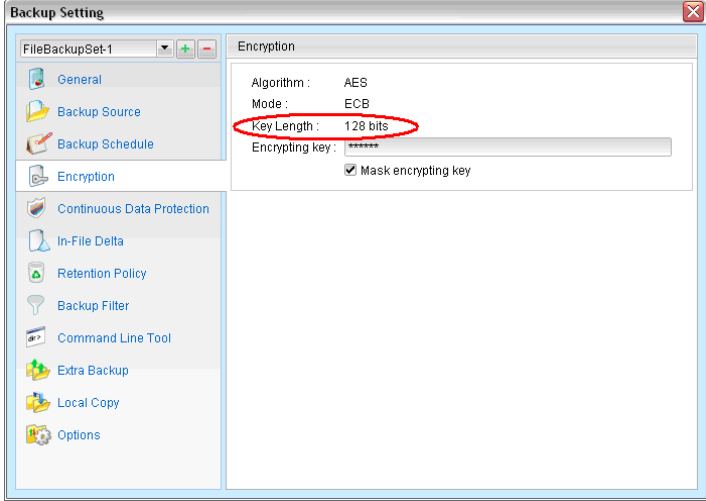
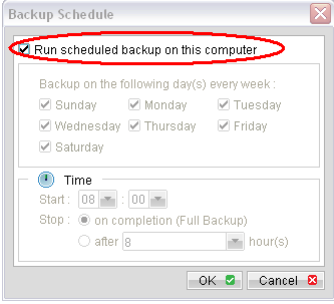
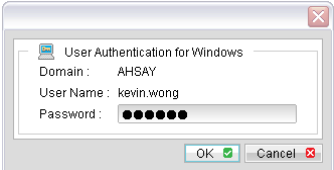
Indicate whether to show the unmask encrypting key in the encryption section of backup setting dialog box.



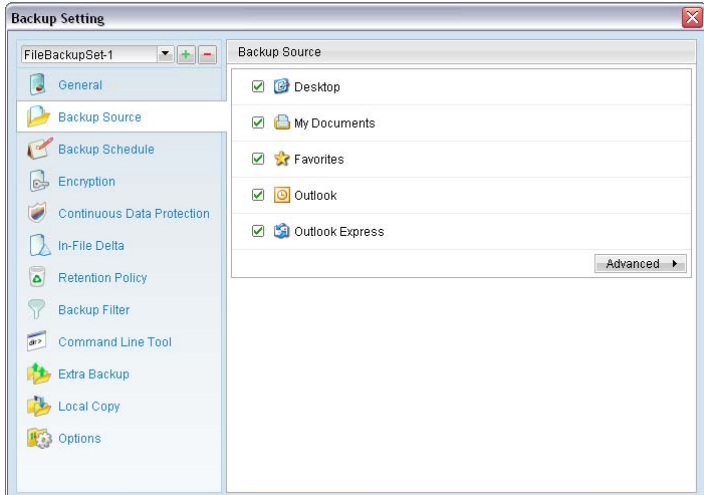
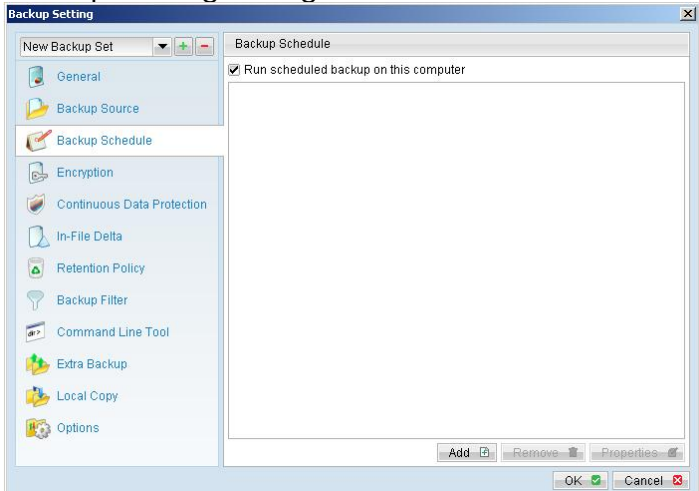
Skip prompting for encrypting key

Indicate whether to skip prompting the encryption setting dialog box.

If this checkbox is checked, the encryption setting dialog box will not be prompted. You may set the default encryption key as login name or custom value or not to use encryption.

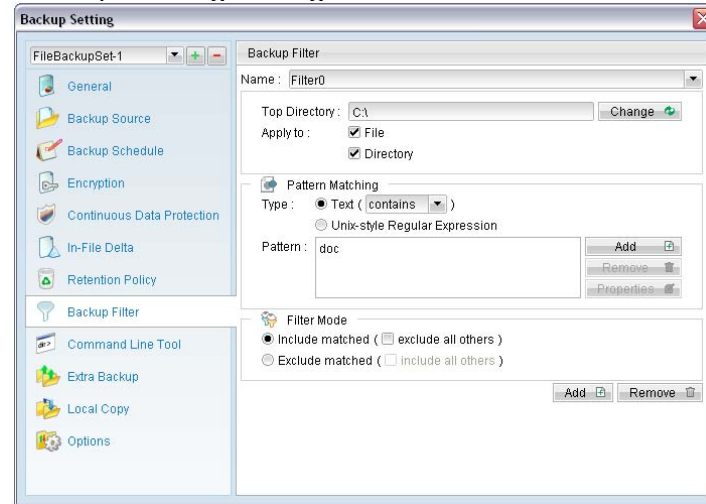
	
Encrypting key length	<p>The length of encrypting key shown in the encryption section of backup setting dialog box.</p> 
Force impersonation	<p>Indicate whether the Windows Authentication is forced to enable after selecting [Run scheduled backup in this computer] in the Backup Scheduler. If Windows Authentication has failed, a dialog box prompted out. This function is available in Windows only. This setting is only enabled in AhsayACB.</p>  

Backup Feature

Option	Descriptions
Show backup source	<p>Indicate whether to show the backup source section in backup setting dialog box.</p> 
Show backup schedule	<p>Indicate whether to show the backup schedule section in backup setting dialog box.</p> 

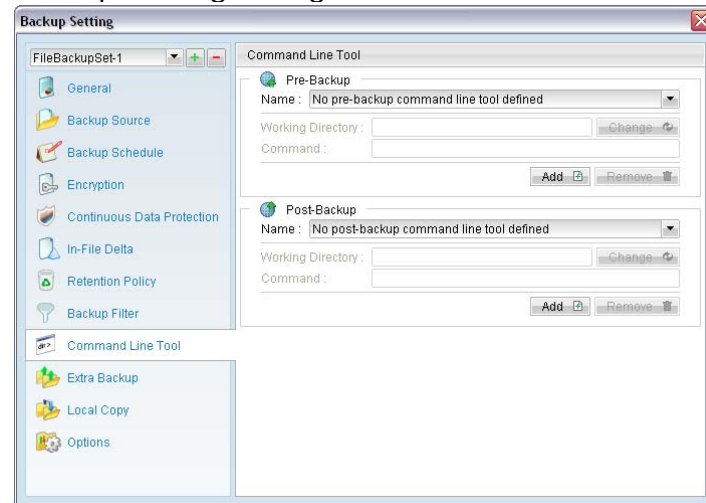
Show backup filter

Indicate whether to show the backup filter section in backup setting dialog box.



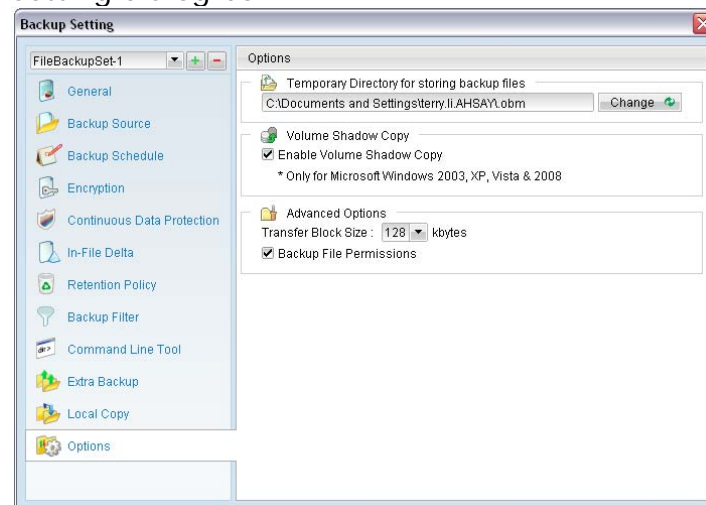
Show command line tool

Indicate whether to show the command line tool section in backup setting dialog box.



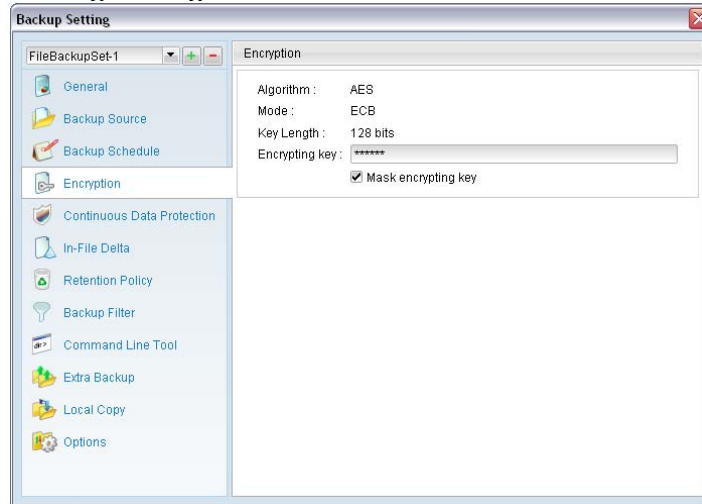
Show setting

Indicate whether to show the options section in backup setting dialog box.



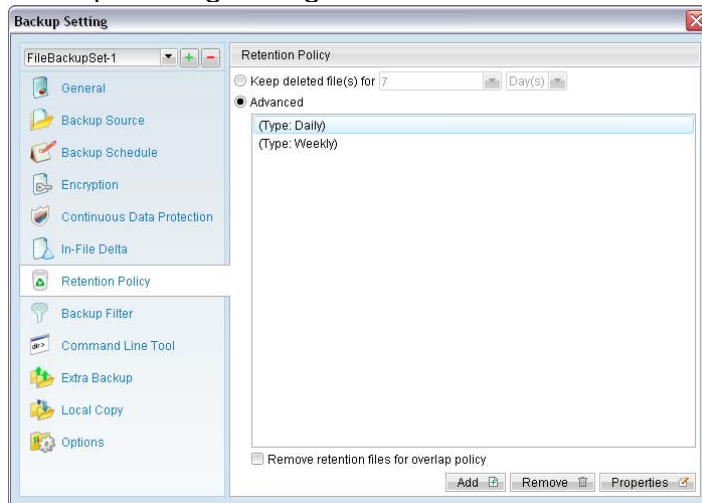
Show encryption

Indicate whether to show the encryption section in backup setting dialog box.



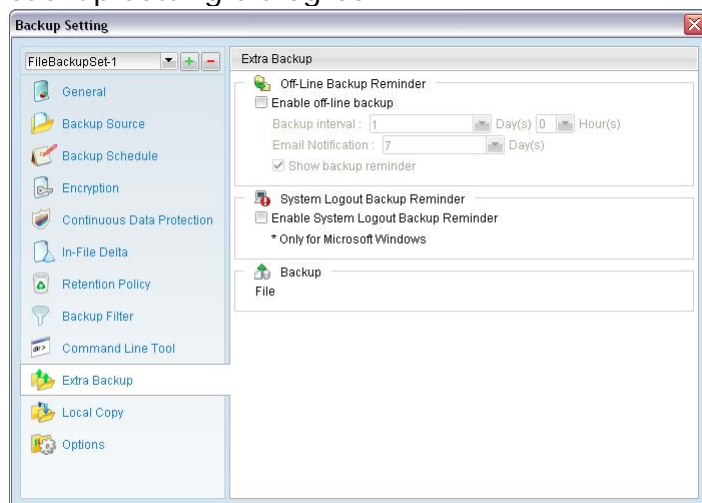
Show retention policy

Indicate whether to show the retention policy section in backup setting dialog box.



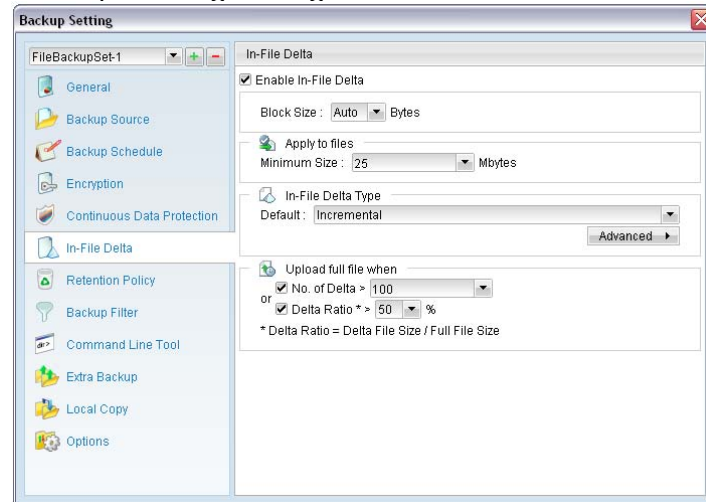
Show extra backup

Indicate whether to show the extra backup section in backup setting dialog box.



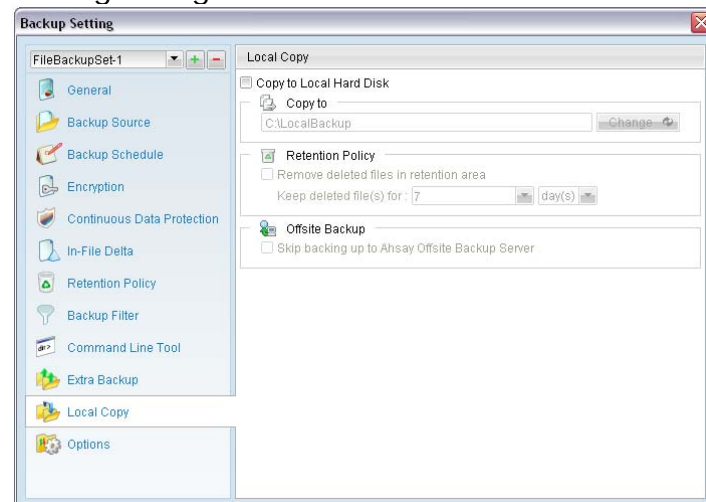
Show In-File Delta

Indicate whether to show the in-file delta section in backup setting dialog box.



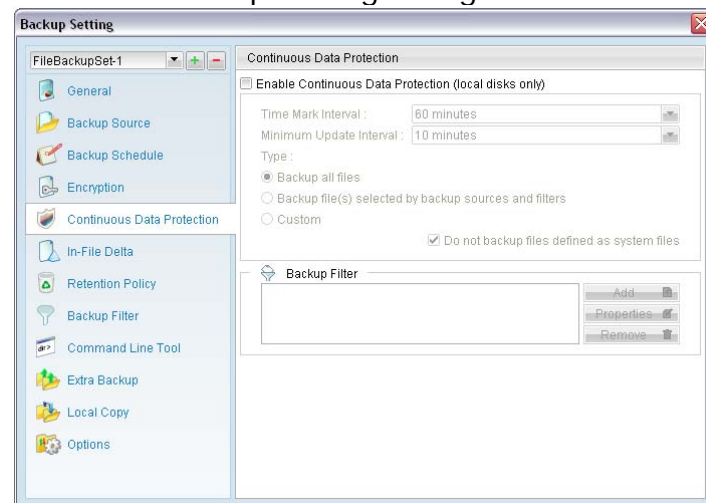
Show local copy

Indicate whether to show the local copy section in backup setting dialog box.

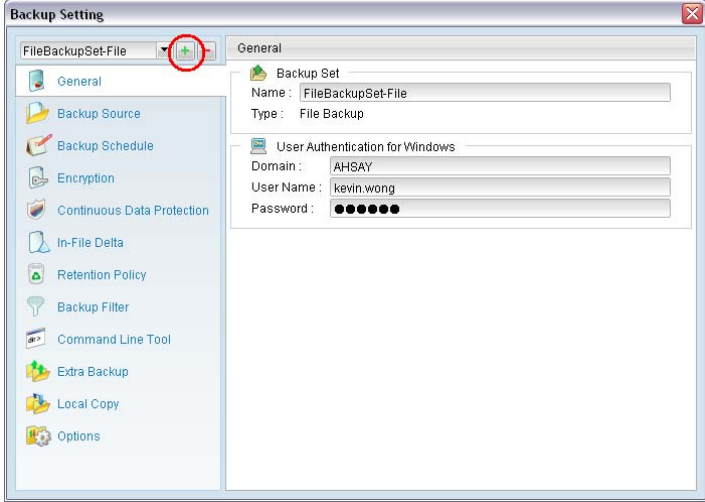
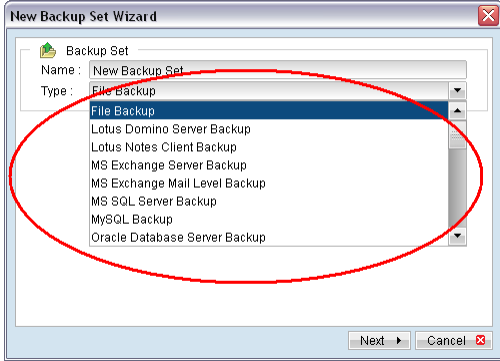


Show Continuous Data Protection

Indicate whether to show the continuous data protection section in backup setting dialog box.

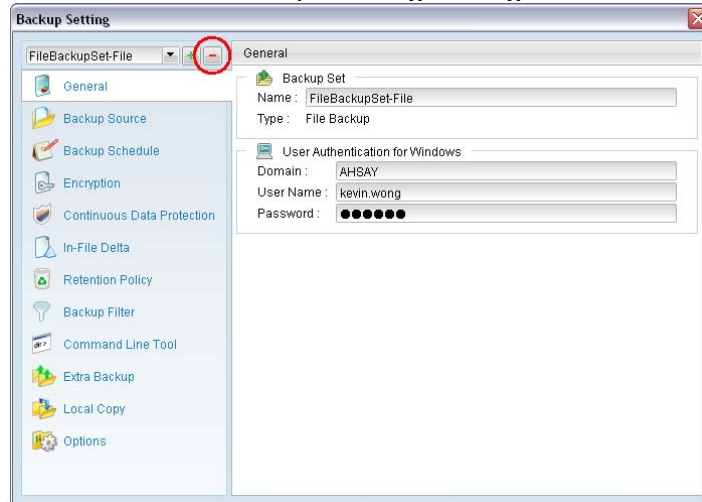


Other Feature (OBM)

Options	Descriptions
Show add new backup set button	<p>Indicate whether to show the “add new backup set” button in the backup setting dialog. If all types of backup set are unchecked, this checkbox will also be unchecked.</p> 
File Backup Set	<p>Indicate whether to show the type of backup set in the new backup set wizard.</p> 
Lotus Backup Set	
MS Exchange Backup Set	
MS Exchange Mail Backup Set	
MS SQL Backup Set	
MySQL Backup Set	
Oracle Backup Set	
System State Backup Set	
System State Backup Set	
ShadowProtect System Backup Set	
MS Windows System Backup Set	
ShadowProtect System Backup Set	
MS VM Backup Set	
VMware VM Backup Set	

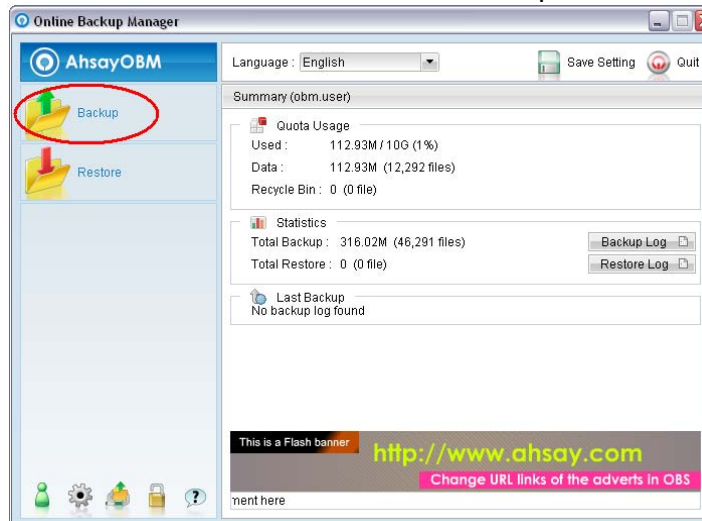
Show remove backup set button

Indicate whether to show the remove backup set button in the backup setting dialog.



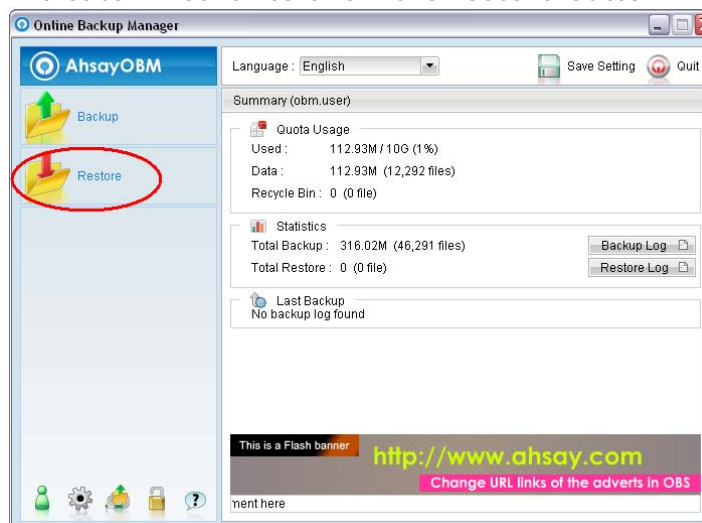
Show backup button

Indicate whether to show the backup button.



Show restore button

Indicate whether to show the restore button.



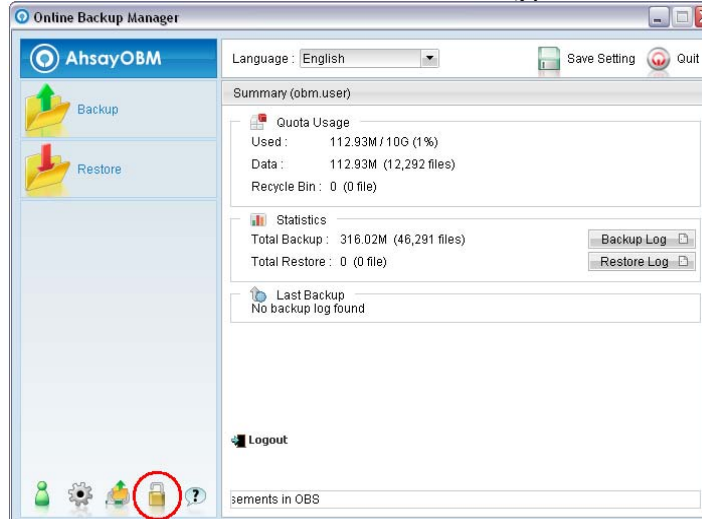
Show start restore button

Indicate whether to show the start restore button in the restore dialog.



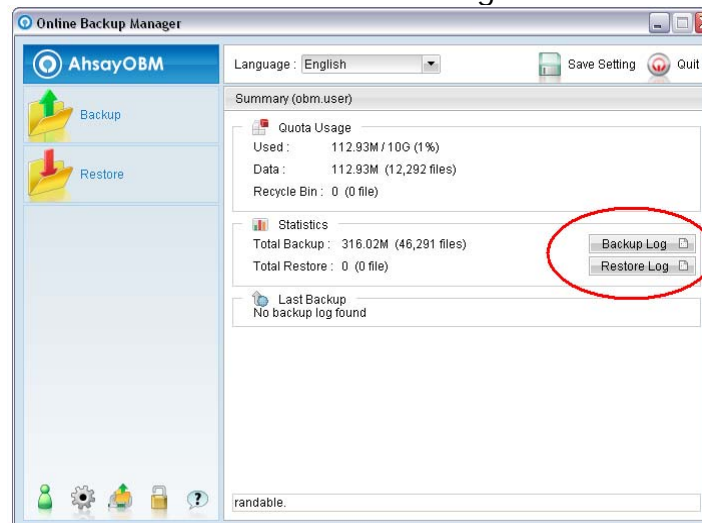
Show decrypt files wizard item

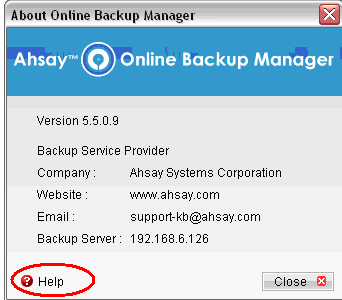
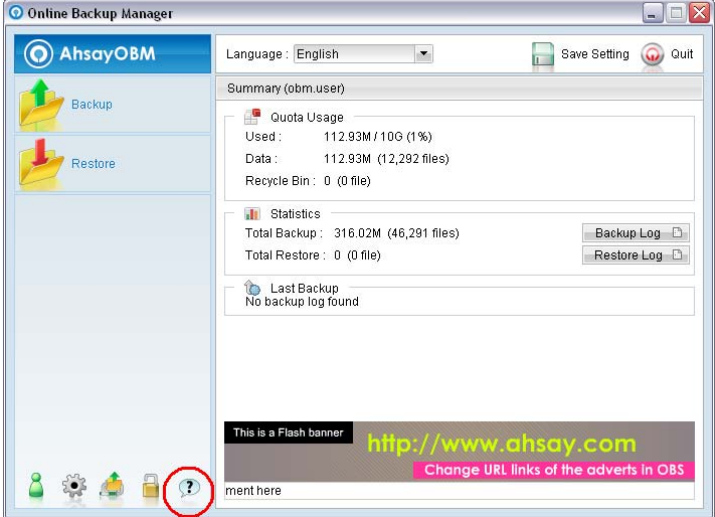
Indicate whether to show the decrypt files wizard.



Show view log button

Indicate whether to show the log button.



Show help item	<p>Indicate whether to show the help link.</p> 
Show about item	<p>Indicate whether to show the about icon.</p> 

Look and Feel

Option	Descriptions
User Color Theme	Use one of default color themes, e.g. black, blue, green, grey, red or yellow.
Use Custom Color	<p>Use a custom color theme specified by an xml file. The templates of the xml file, custom.obm.lookandfeel.xml and custom.acb.lookandfeel.xml, are in the folder, lookandfeel of customization.zip. In the template, all color attributes are in form of HEX color code.</p> <p>After modifying the custom.obm.lookandfeel.xml file, put it in %OBM_HOME%, where %OBM_HOME% is the installation path of AhsayOBM. e.g. C:\Program Files\AhsayOBM, and restart the AhsayOBM to take the effect. Similarly, this method can be used in AhsayACB.</p>

Appendix J Customizable Files for AhsayUBS

Path	/ubs/factory/custom.ini
Usage	Text
Path	/ubs/deploy/config.xml
Usage	Deployment Configuration
Path	/ubs/factory/config.xml
Usage	Factory Default Configuration
Path	/root/.dialogrc
Usage	Dialog Color Customization
Path	/boot/splash.bmp
Usage	Console Splash Screen Image
Path	/usr/local/www/image/*.*
Usage	Images
Path	/usr/local/www/info_firmware_about.php /usr/local/www/info_help.php
Usage	Content Pages

The descriptions of customizable files for AhsayUBS are also found in the “Ahsay Universal Backup System Administrator's Guide”.

Appendix K Signing a Mac installer

In this section, we shall describe how to sign the Mac installer. Please follow the following steps.

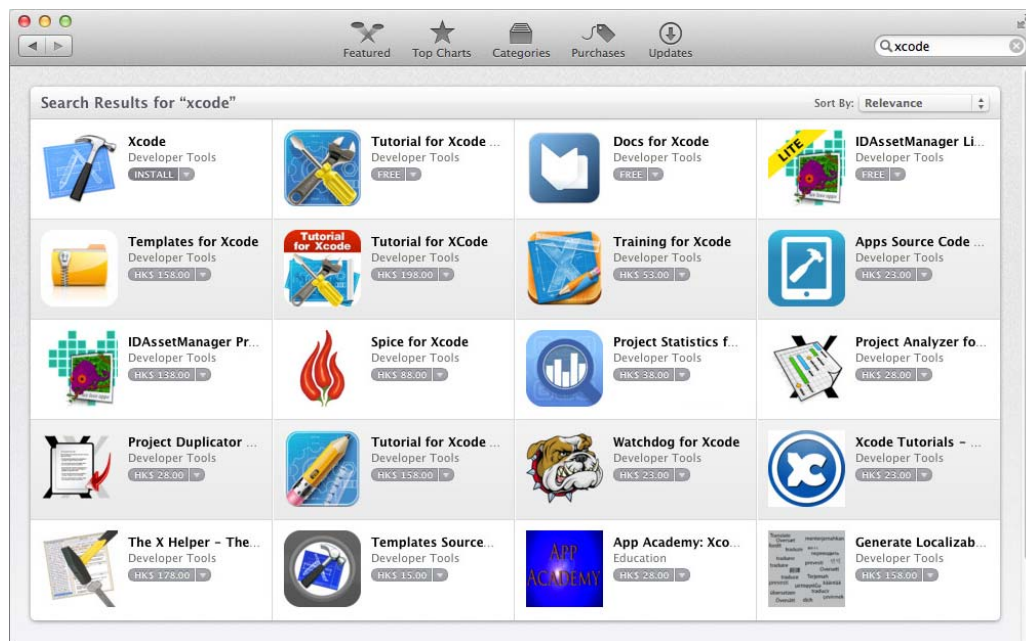
Before we start, we assumed that you have generated the AhsayOBM or AhsayACB installers (Mac version) in previous chapters. Download and unzip it as an installer package (.pkg) file.

Step 1 Install "Xcode" through App store.

On the MAC that you sign the installer, you need to have Xcode installed. You can follow the following steps to install the Xcode. If you already have Xcode installed on your MAC, you can skip this step.

To install "Xcode",

- Open the "App Store" in Applications > Launchpad > Spotlight
- Search 'Xcode' in search box > Click "INSTALL"

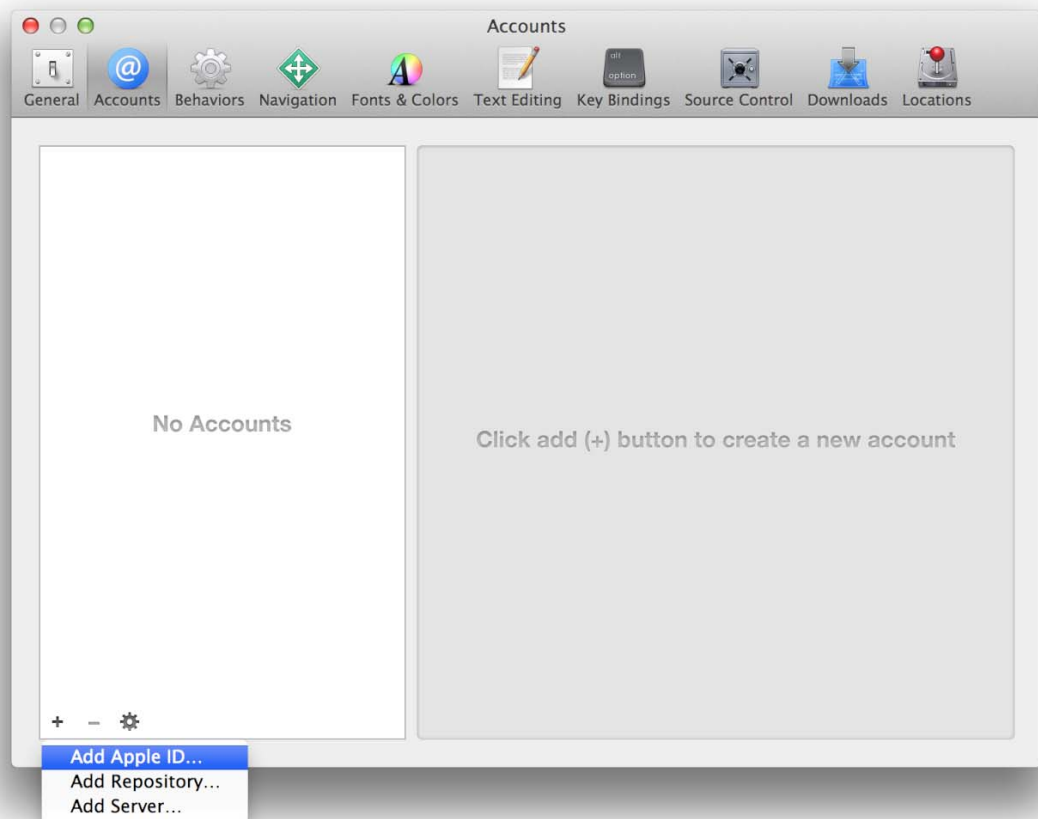


Step 2 Create an Apple ID and setting the Code Signing Identity to Developer ID

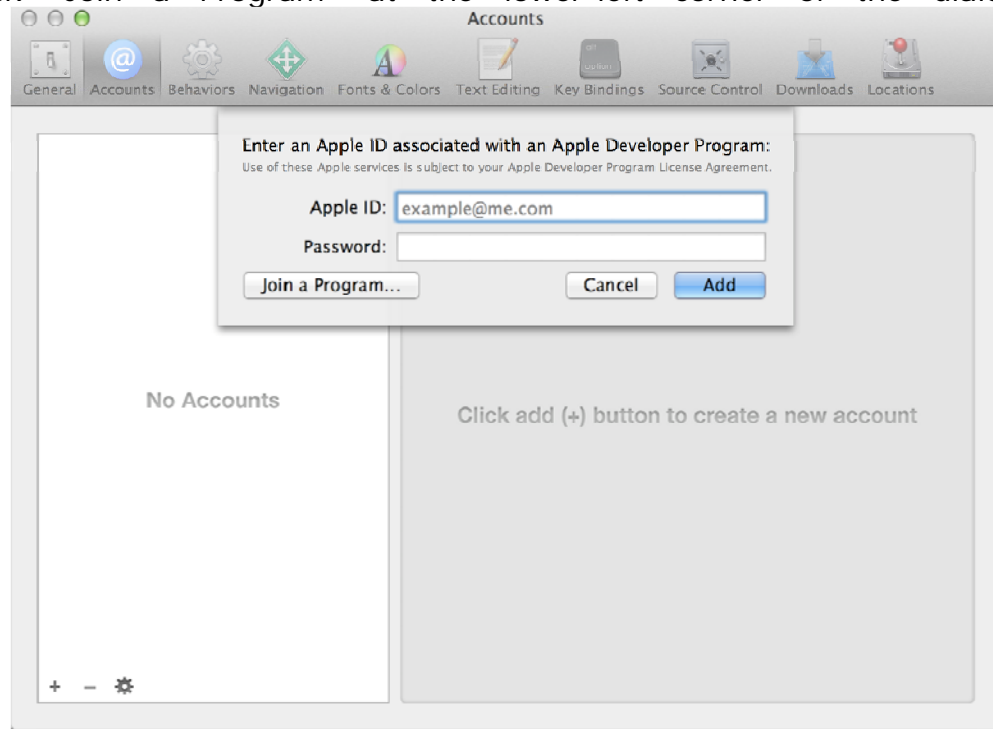
If you have enrolled the Apple DEV program with your Apple ID before, you can skip this step.

To add an Apple ID account using Xcode.

- Open the "Xcode" form "Application"
- Choose "Xcode" > Preferences.
- Click "Accounts" at the top of the window.
- Click the Add button (+) in the lower-left corner.
- Choose "Add Apple ID" from the pop-up menu.

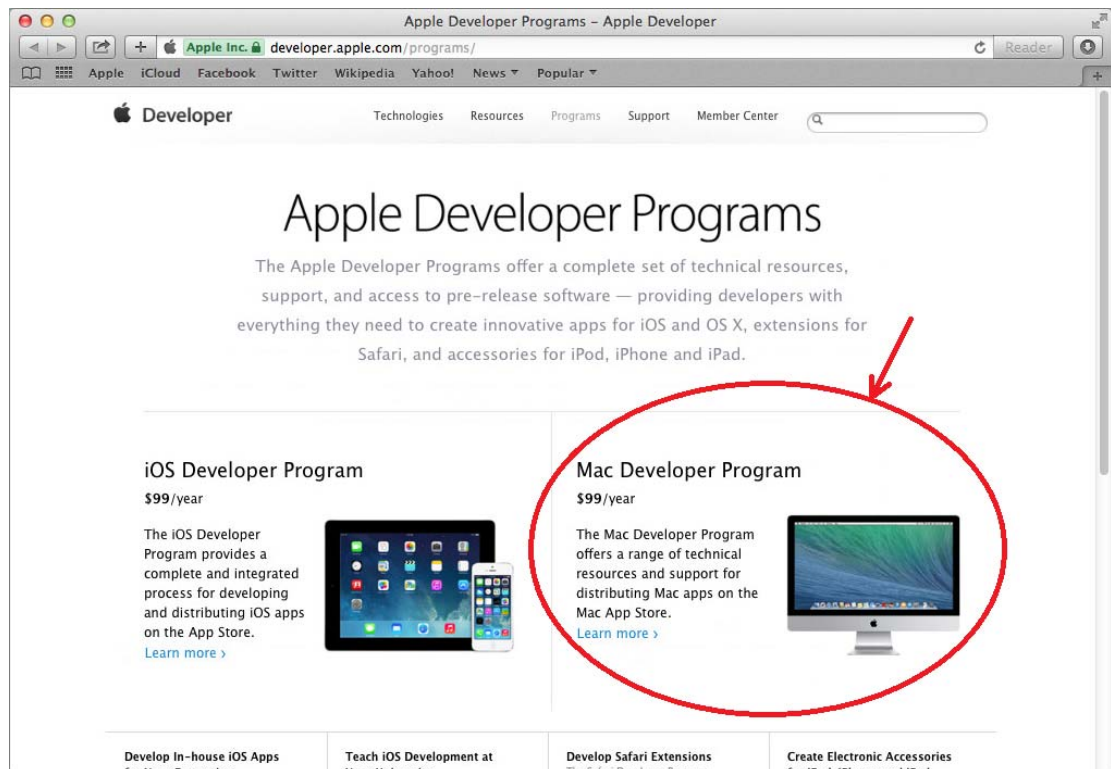


- Click "Join a Program" at the lower-left corner of the dialog.

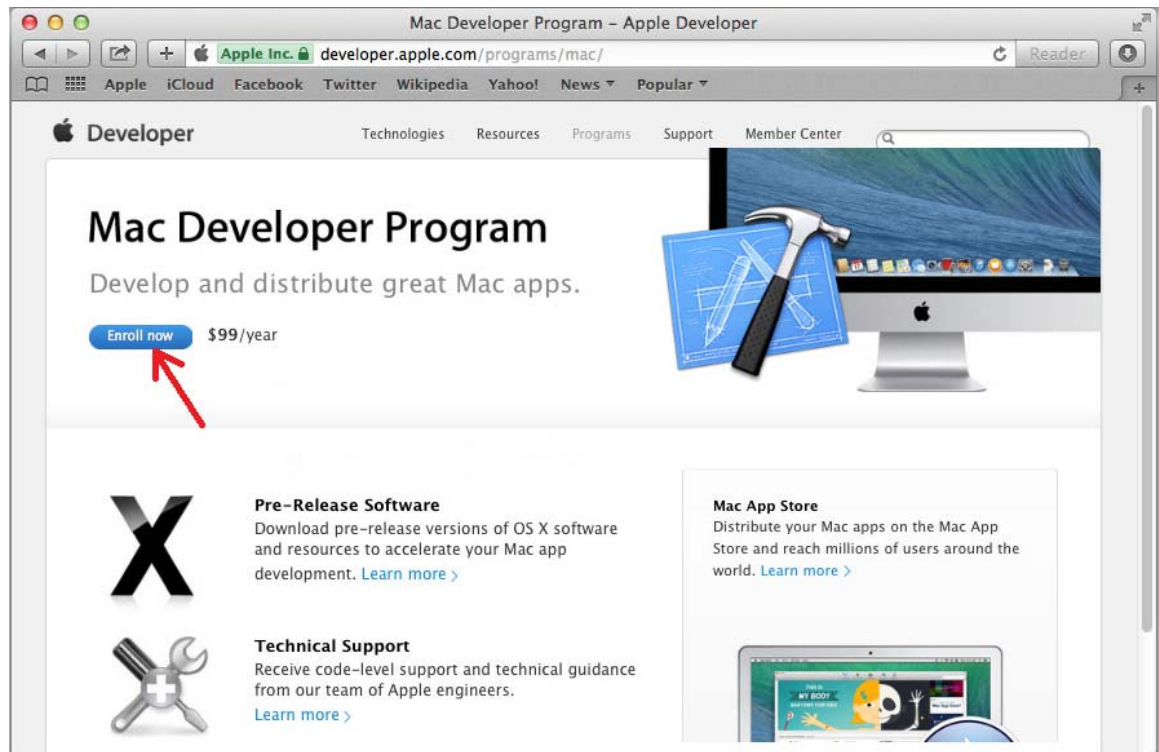


You will be redirected to the Apple Developer Programs enrollment webpage.

- Click "Learn more" to next page



- Click “Enroll now” and follow the instructions to complete the registration.



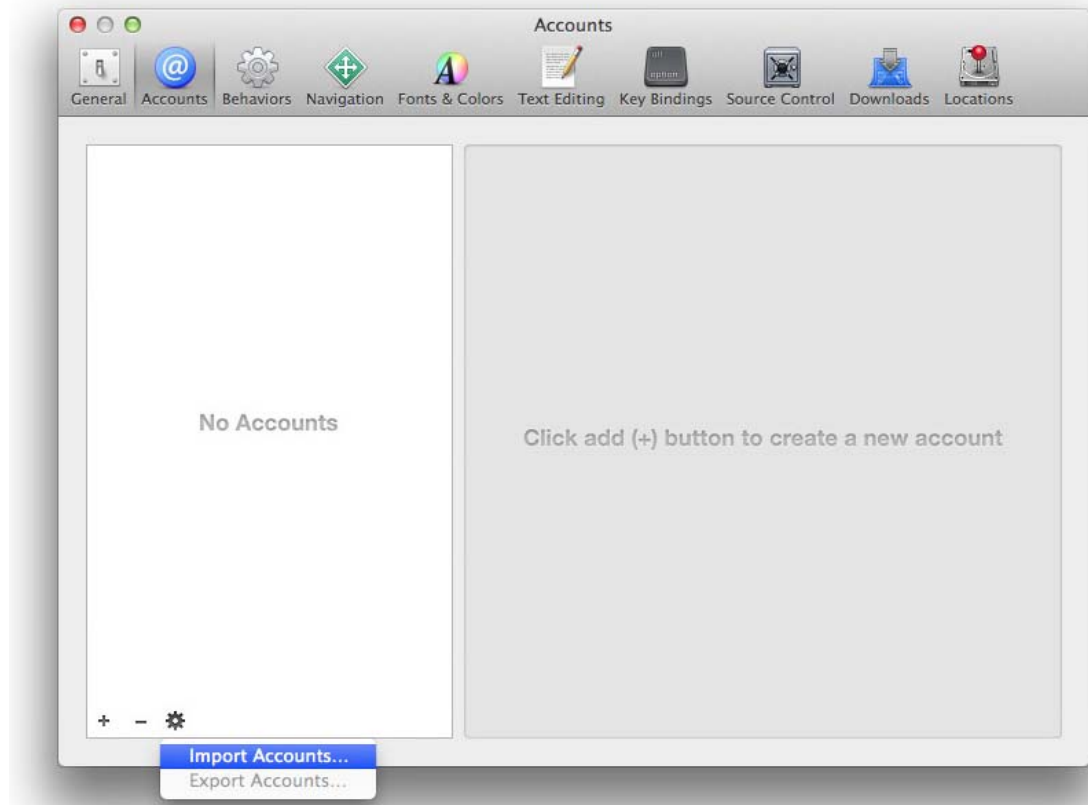
After the registration, please re-open the “Xcode” and login with your Apple ID.

Step 3 Import your developer profile

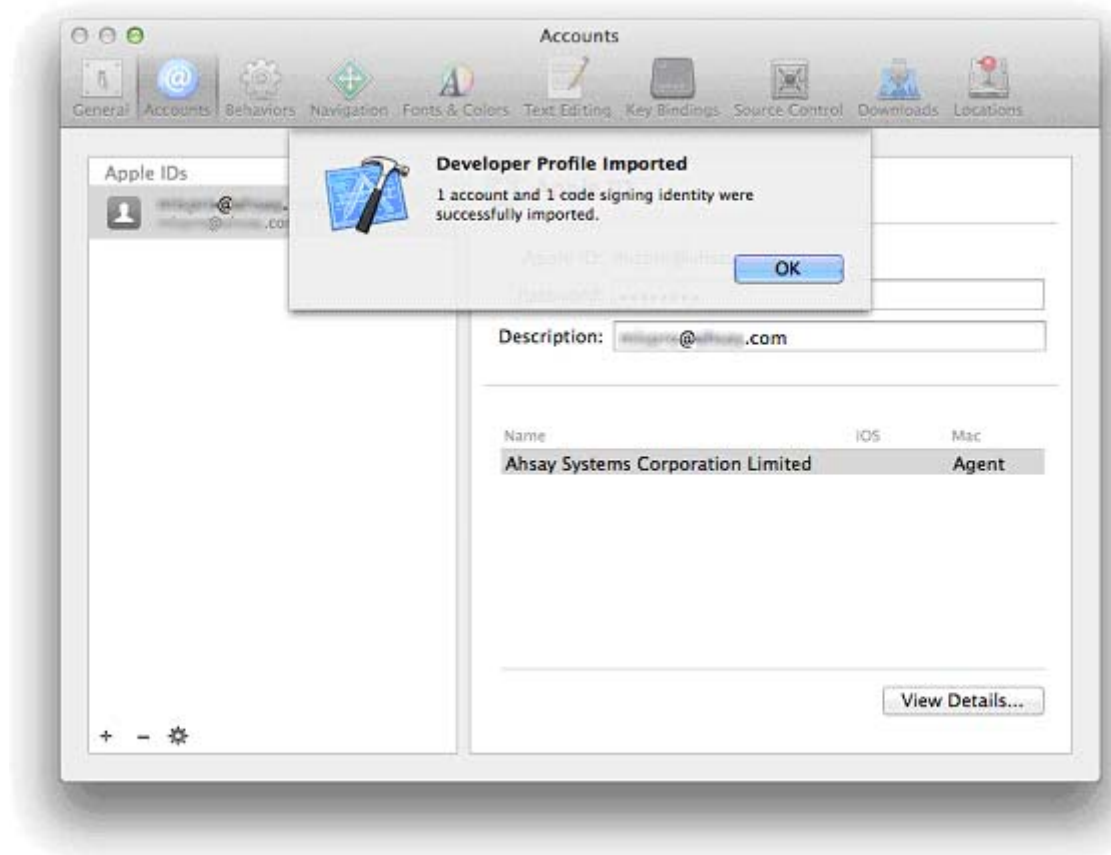
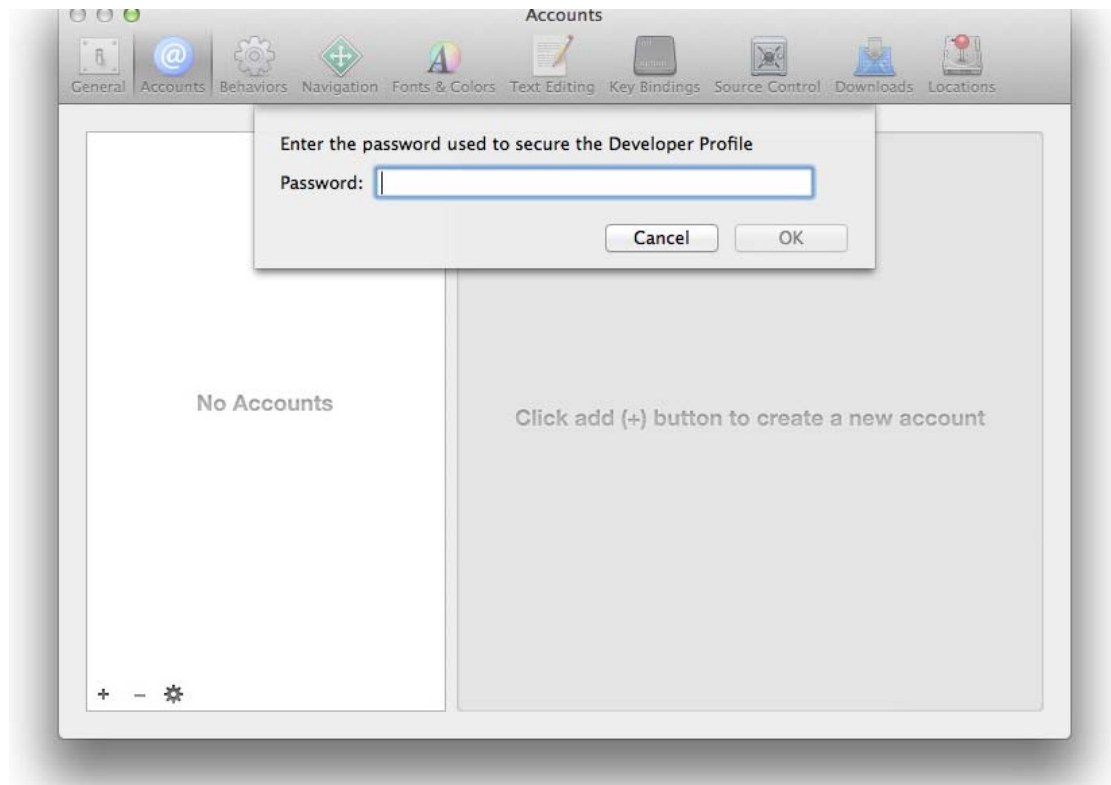
If you have joined the Apple DEV program before, and you have signed apps/packages on this computer before, you can skip this step.

To add an Apple ID account using Xcode.

- Open the “Xcode” from “Application”
- Choose “Xcode” > Preferences.
- Click “Accounts” at the top of the window.
- Click the Action button (the gear icon) in the lower-left corner.
- Choose Import Accounts from the pop-up menu.

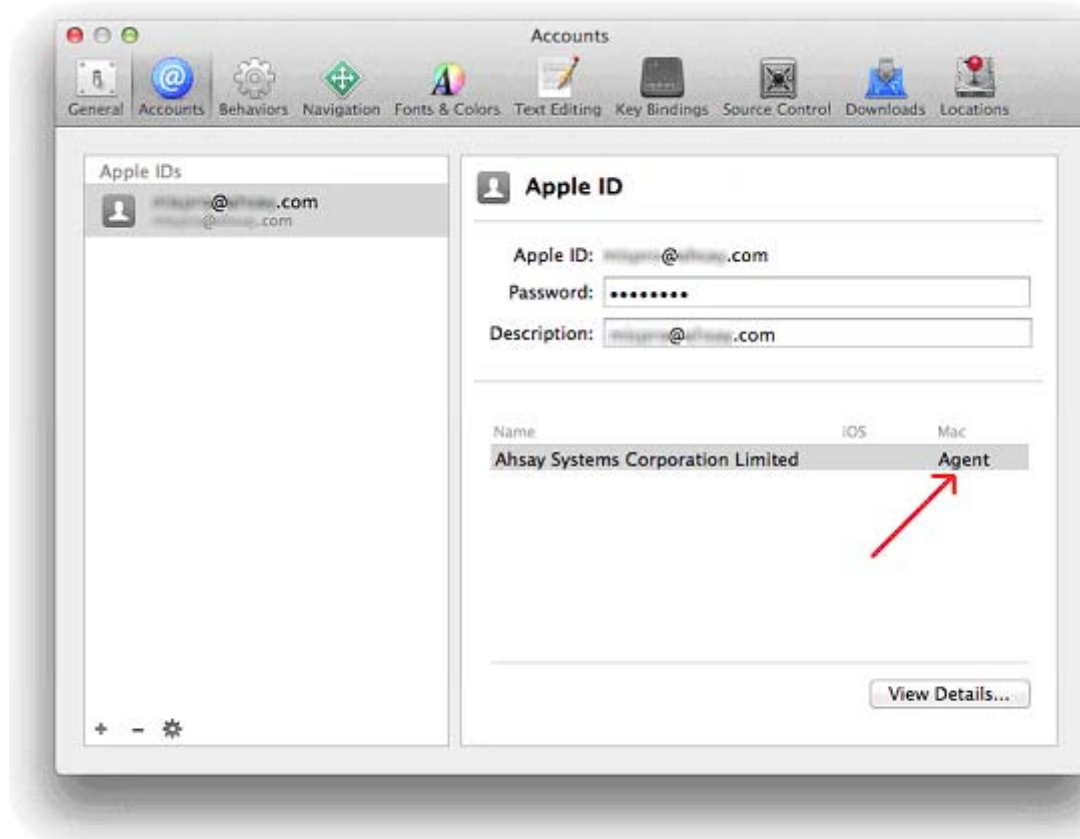


- Locate and select the file containing your developer profile, and click Open. The file should have a *.developerprofile* extension.
- Enter the password you used to encrypt the file, and click OK

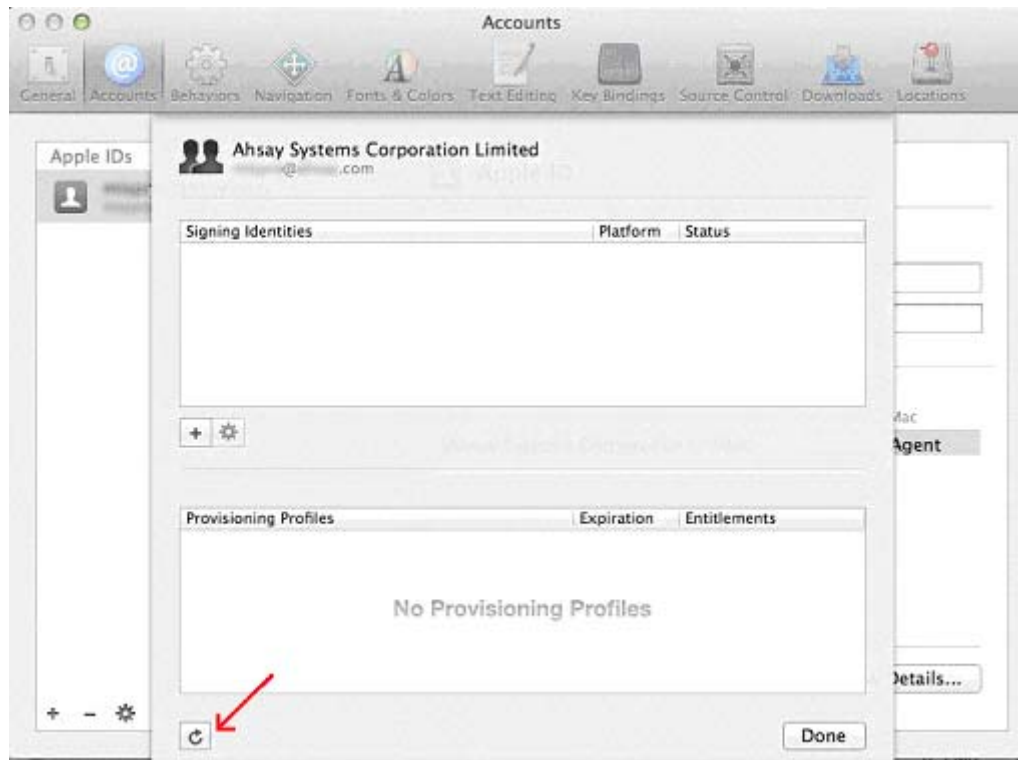


Step 4 Requesting Developer ID Certificates

- Click on "View Details" after you join the program. (Make sure you can see the "Agent" in the Mac column.)



You need to use a signing certificate that begins with the text "Developer ID" to distribute your application outside the Mac App Store.



When you refresh provisioning profiles (by clicking the refresh button at the lower-left corner) if the Provisioning Profiles is empty.

Step 5 Request the certificate on your behalf.

Skip the following step if you can see the provisioning profiles. If you do this for the first time, Xcode asks whether to request all types of certificates on your behalf.

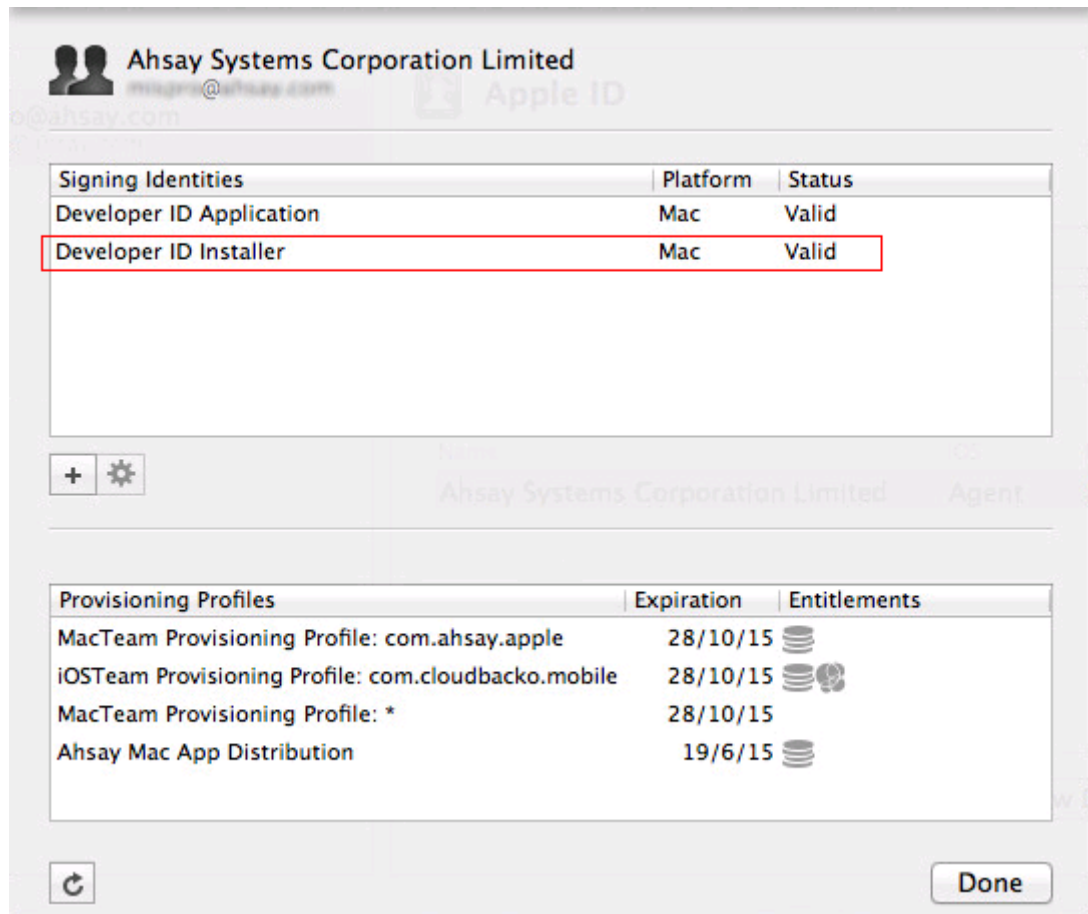
- Select "The Developer ID Installer Certificate for Apple Inc....." from the "Certificates Not Found" dialog and click "Request".



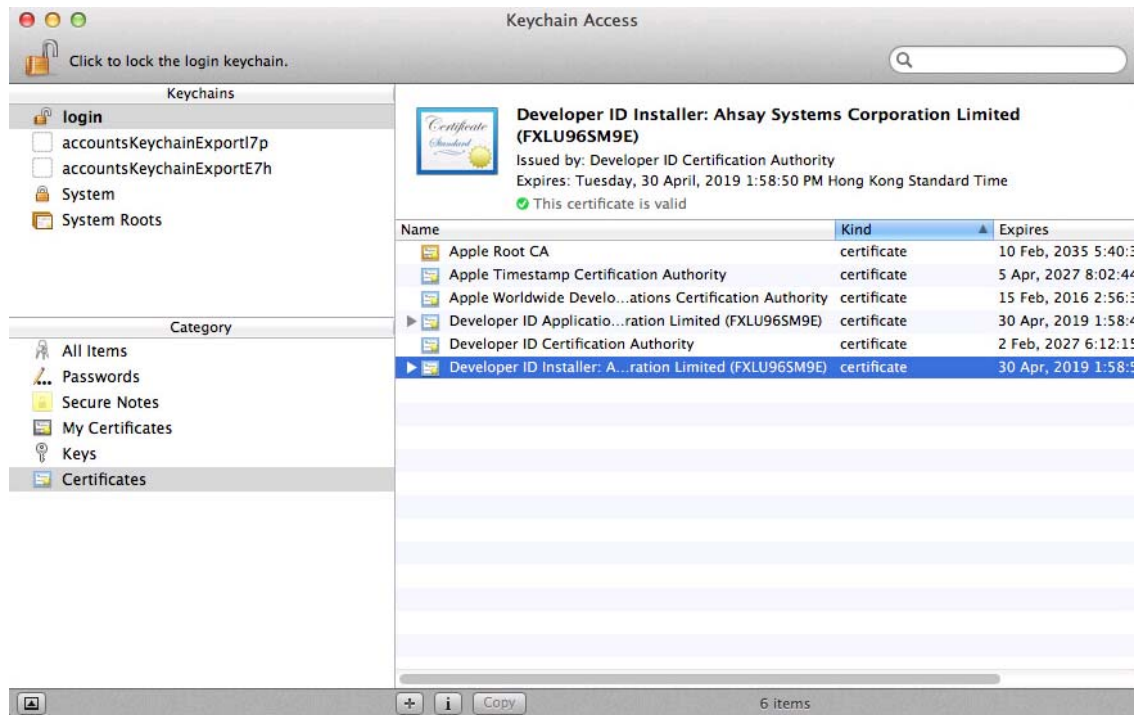
- Alternatively, you can request "Developer ID Installer Distribution" certificates from account preferences.



Step 6 Verify your Developer ID Installer certificates in Accounts preferences



Step 7 Open "Keychain Access" in Finder > Go > Utilities



You will see a certificate name starting with "Developer ID Installer"

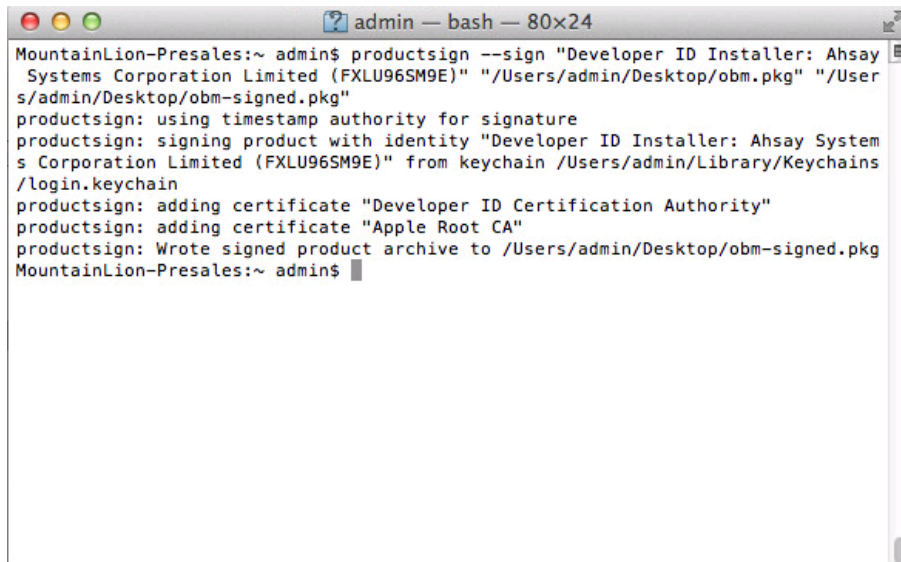
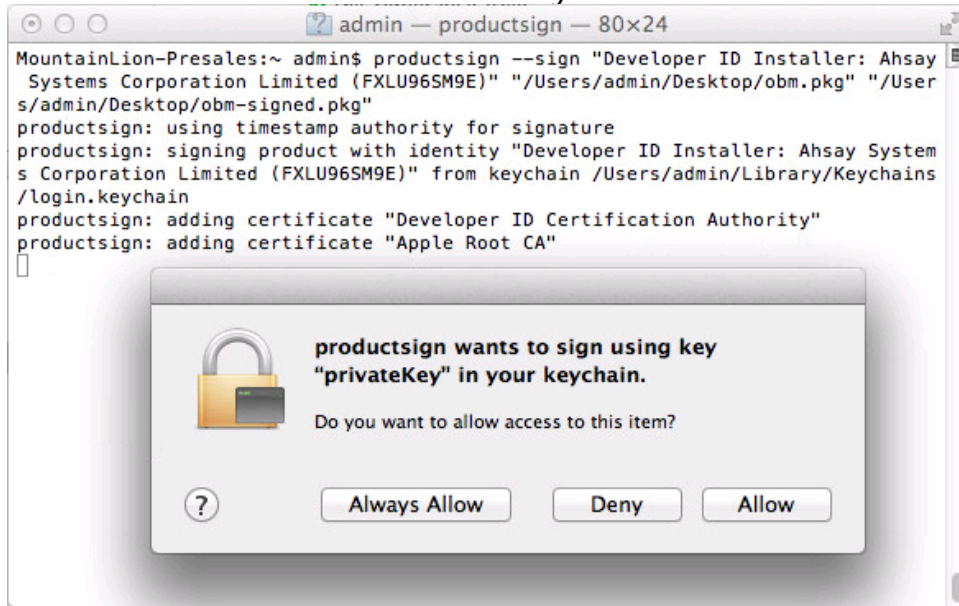
Step 8 Sign the installer package

- Open a terminal and type:

```
productsign --sign identity input-product-path output-product-path
```

Parameters	Description
--sign identity-name	The name of the identity to use for signing the installer package.
input-product-path	The installer package to be signed.
output-product-path	The path to which the signed installer package will be written. Must not be the same as input-product-path.

- Click "Allow" or "Always Allow" to continue

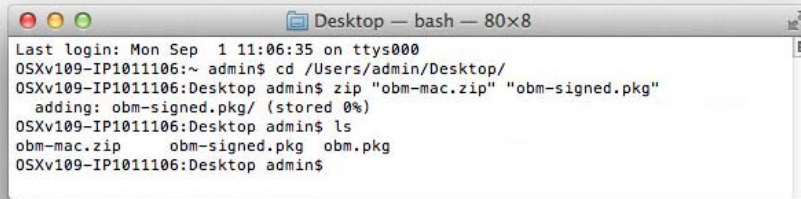


Step 9 Prepare the zip file for distribution

- Open the Terminal
- Change the directory to the location of signed package
- Type the following command in terminal

```
zip zip-file-path signed-installer-path
```

Parameters	Description
zip-file-path	The output zip file.
signed-installer-path	The path of the signed installer package.



```
Desktop — bash — 80x8
Last login: Mon Sep  1 11:06:35 on ttys000
OSXv109-IP1011106:~ admin$ cd /Users/admin/Desktop/
OSXv109-IP1011106:Desktop admin$ zip "obm-mac.zip" "obm-signed.pkg"
  adding: obm-signed.pkg/ (stored 0%)
OSXv109-IP1011106:Desktop admin$ ls
obm-mac.zip      obm-signed.pkg  obm.pkg
OSXv109-IP1011106:Desktop admin$
```

- Upload the zip file to the AhsayOBS download directory or the web server for your clients to download.
- Download the installer package from web to verify.

Step 10 (Option) Verify the signed installer package by command line

- Open the terminal and type the following command.

```
spctl -a -v --type install "path of signed package"
```

After executed the command, the "accepted" message will be returned.



```
admin — bash — 80x24
MountainLion-Presales:~ admin$ spctl -a -v --type install "/Users/admin/Desktop
/obm-signed.pkg"
/Users/admin/Desktop/obm-signed.pkg: accepted
source=Developer ID
MountainLion-Presales:~ admin$
```

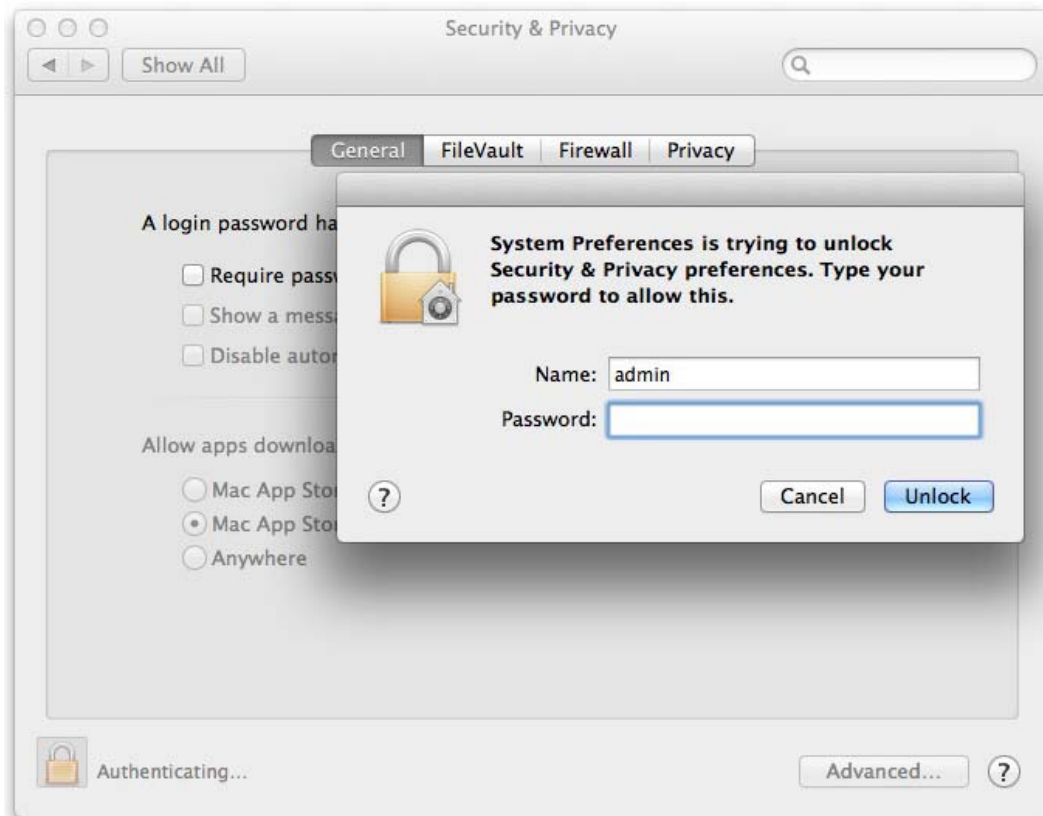
Step 11 Logon to another Mac machine to verify the signed installer

Unlock the security and privacy settings:

- Open "Security & Privacy" from "System Preferences"



- Unlock and select "Mac App Store and identified developers" under "Allow applications downloaded from:" section



- download signed installer from the AhsayOBS
- install the app to verify.

Reference:

<https://developer.apple.com/library/mac/documentation/IDEs/Conceptual/AppDistributionGuide/DistributingApplicationsOutside/DistributingApplicationsOutside.html>