Ahsay Online Backup Restorer v8
User Guide for Mac OS

Ahsay Systems Corporation Limited

12 March 2021

www.ahsay.com

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Revision History

Date	Descriptions	Type of modification
12 March 2021	Modified System Architecture diagram in Ch. 1.2; Modified features comparison table in Ch. 1.4; Added Requirements in Ch. 3; Added Ch. 4 Limitations; Added login scenarios in Ch. 6	New / Modifications

Table of Contents

1 Overview

1.1 What is this software?

Ahsay brings you specialized restore software, namely Ahsay Online Backup Restorer (AhsayOBR), to provide a quick and secure solution for restoring your backup data anytime and anywhere. This software is designed specifically as a one-time restorer and is not served for performing backup and configuring any backup user settings. The software supports restoring data that is backed up with AhsayOBM or AhsayACB.

1.2 System Architecture

Below is the system architecture diagram illustrating the major elements involved in the process when you are using the AhsayOBR to restore data.

In this user guide, we will focus on information to get you started with using the software, as well as instructions on performing an end-to-end restore process.
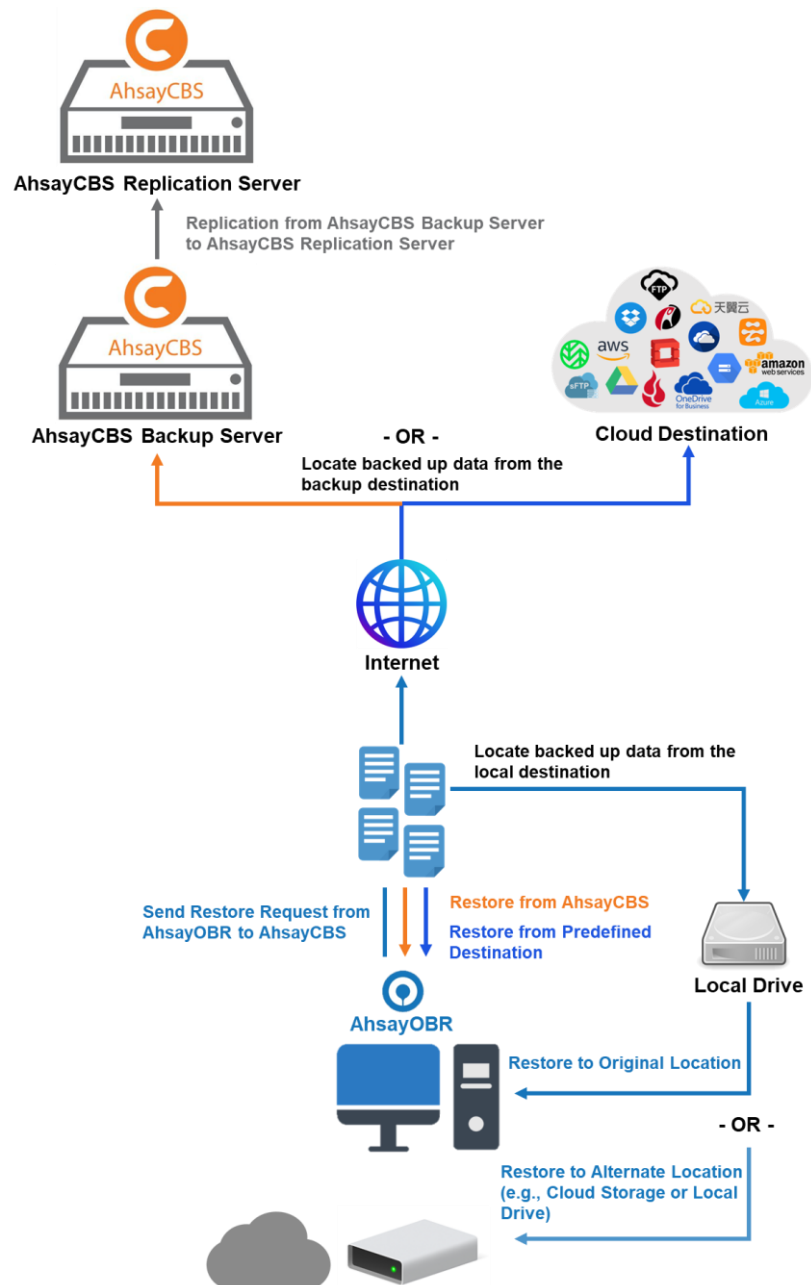
Original location – the backed up data will be restored on the computer running the AhsayOBR under the same directory path as on the machine storing the backup source. For example, if the backup source files are stored under **Users/[User's Name]/Downloads** folder, the data will be restored to **Users/[User's Name]/Downloads** as well on the computer running the AhsayOBR.

1.3 Why should I use AhsayOBR to restore backup data?
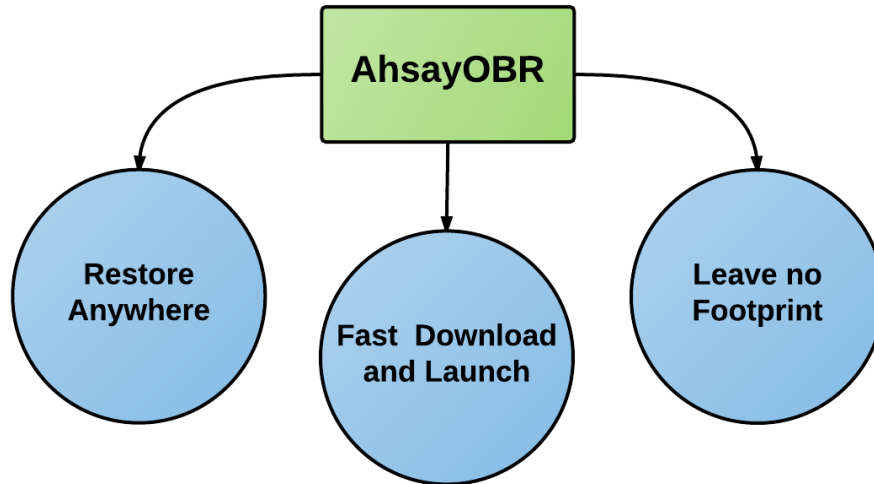
Restore Anywhere

There may be times when you wish to restore your backed-up data but have no access to the computer with the Client backup Agent (AhsayOBM/AhsayACB) installed. AhsayOBR is exactly designed to cater to your needs under such circumstances.

You can now download and launch the OBR anytime and anywhere you like as long as you have a computer with a web browser installed and Internet connection.

Fast Download and Launch

Unlike a Client Backup Agent (AhsayOBM/AhsayACB) which is significantly larger in file size and takes longer time to install on your computer, AhsayOBR is a compact solution that can be downloaded and launched in a short period of time in just a few clicks.

Besides, the AhsayOBR is designed as a one-time restorer that will be removed from your computer completely after it is closed. All the restore log files or settings will also be removed from the computer altogether so you would not need to spend the time on uninstalling the software after you finished the restore.

Leave no Footprint

When you are trying to restore your backed-up data remotely, the computer you use for restoring may not have the same level of security settings as the one you normally use for backup and restore onsite. Therefore, it may not be completely secure to install a Client Backup Agent (AhsayOBM/AhsayACB) to restore data because the backup agent will store information such as the backup user's personal info, backup set settings, backup/restore logs, etc. Using a Client Backup Agent for restore under such circumstances may pose potential thread to your personal and confidential information.

That is why the AhsayOBR is designed as a single-purpose restorer with high level of security protection and supporting Two-Factor Authentication (2FA). The restorer takes you right to the restore start point after login, where you can start performing a restore right away. It will also be removed completely after the restore is done, so you do not have to worry about leaving important information behind in the restore logs which could be viewed by a third party.

1.4 Features comparison between Client Backup Agent and AhsayOBR

While you can still download a Client Backup Agent (AhsayOBM/AhsayACB) to restore data, AhsayOBR gives a quick, direct, and secure solution just for the data restore purpose. Below is a table comparing some major features of both tools, and the pros and cons of using them.

Feature	Tool	Pros	Cons
Installation	AhsayOBR	➢ No installation required ➢ Faster to launch	Required to launch every time when you use
	Client Backup Agent	One-time installation	Larger installer size hence longer installation time
Cross platform usage	AhsayOBR	Although both tools are available for use on various platforms, e.g., Windows, Mac, Linux, FreeBSD etc., cross platform restore is **NOT** recommended. For example, files backed up on Windows are not recommended to restore on a Mac/Linux/FreeBSD machine. Not supported on Synology DSM or QNAP QTS platforms.	
	Client Backup Agent		
Compatibility	AhsayOBR	N/A	Does not support restore of photos and videos backed up using Ahsay Mobile.
	Client Backup Agent	N/A	Support restore of backup set created by the same type of Client Backup Agent only. Example: backup set created on AhsayOBM can only be restored by AhsayOBM.

2 About This Document

2.1 What is the purpose of this document?

This document aims at introducing the AhsayOBR software and its features, providing all necessary information to download and launch the AhsayOBR software and instructions on performing restore.

2.2 What should I expect from this document?

After reading through this documentation, you can expect to have sufficient knowledge to download and launch the AhsayOBR software, as well as to perform a restore.

2.3 Who should read this document?

This document is intended for backup users who need to perform restore while having no access to their Client Backup Agent (AhsayOBM/AhsayACB) or for those who need to quickly recover file(s) on another machine or device with minimal effort.

2.4 Overview of Document Content Structure

Below is a flow chart illustrating the major chapters this document will cover in sequence.

Installation Requirements
Operating system requirements to be met before installing AhsayOBR

Downloading AhsayOBR
Steps to download the software from the backup service provider

Launching AhsayOBR
Steps to launch the software on the computer

Logging in to AhsayOBR
Launch and log in to the software

Restoring Backup
Steps on performing an end-to-end restore process

3   Preparing for Using AhsayOBR

3.1 Hardware Requirements

You can launch the AhsayOBR on a physical machine or on a virtual machine. The hardware requirements for launching AhsayOBR is the same as installing AhsayOBM.

Refer to the link below for details of the minimum and recommended hardware requirements:
[FAQ: Ahsay Hardware Requirement List (HRL) for version 8.1 or above](#)

3.2 Software Requirements

Refer to the link below to see the list of the system requirements for software compatibility:
[FAQ: Ahsay Software Compatibility List (SCL) for version 8.1 or above](#)

3.3 Encryption Key

If the backup set(s) are enabled with an encryption key, then the encryption key for the backup set(s) is required.

3.4 Temporary Directory Requirement

The temporary directory folder should have at least the same available size as the compressed or image file to be restored and should be located on a local drive to ensure optimal performance.

4 Limitations

1. AhsayOBR is not supported on Synology DSM or QNAP QTS platforms.

2. AhsayOBR does not support restore of photos and videos backed up using Ahsay Mobile.

5 Download and Launch AhsayOBR

There are two installation modes for AhsayOBR, online installation and offline installation. Below is the table of comparison between online installation and offline installation.
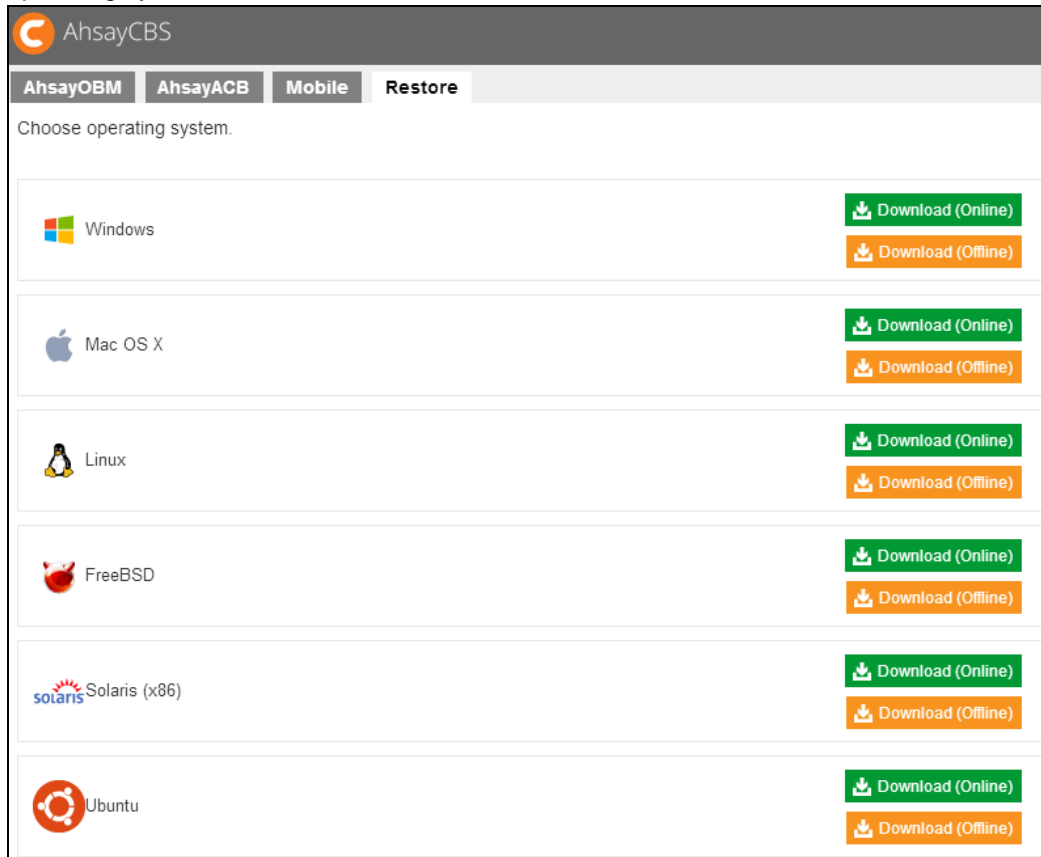
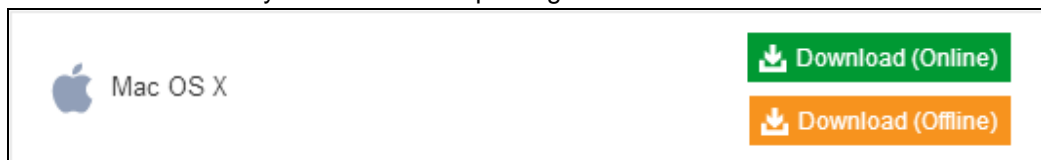|	Online Installation	Offline Installation
Installation Time	➢ Takes more time as it needs to download the binary and component files (150MB to 272MB depending on operating system) each time the installation is run. ➢ Online installer size is 9KB to 2MB depending on operating system as it contains only the initial installation package files.	➢ Takes less time as all the necessary binary and component files are already available in the offline installer and offline installer can be downloaded once but reused many times. ➢ Offline installer size is 150MB to 272MB depending on operating system as it contains all the necessary binary and component files.
Deployments	➢ Suitable for sites with fast and stable internet connection as internet connection is needed each time when an installation is run. ➢ A slow internet connection will result in longer installation time and interrupted, or unstable internet connection may lead to unsuccessful installation. ➢ Ensures the latest version of the product is installed.	➢ Suitable for client sites with metered internet connections as once the offline installer is downloaded, internet connection is not needed each time when an installation is run. ➢ May not be the latest version.

5.1 Download AhsayOBR

1. In a web browser, click the blue icon on the top right corner to open the download page for the AhsayOBR installation package file from your backup service provider's website.

2. In the **Restore** tab of the download page, you can choose the AhsayOBR installer by operating system.

3. In the **Mac OS X** section, click on the **Download (Online)** or **Download (Offline)** button to download the AhsayOBR installation package.
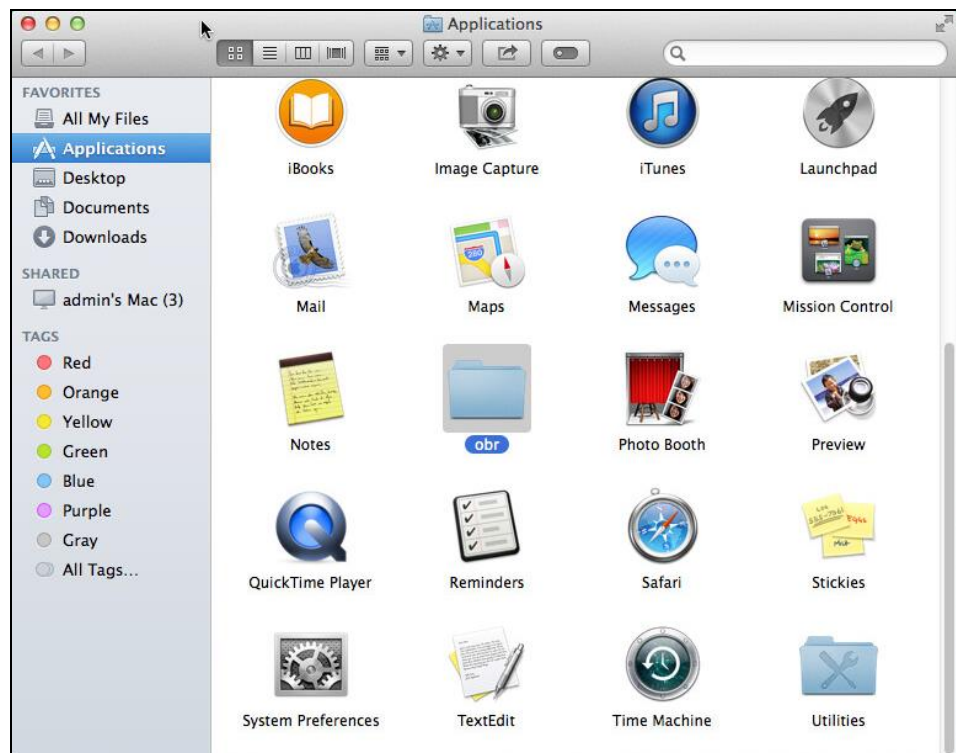
5.2 Install AhsayOBR
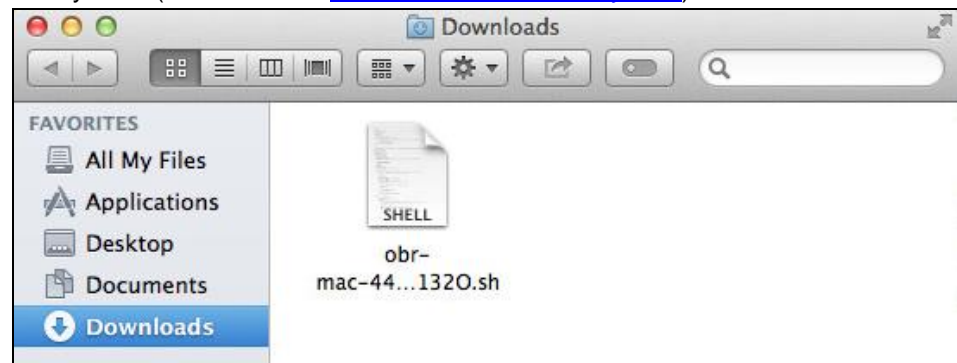
5.2.1 Option 1: Online Installation

1. Create a folder in the **Applications** menu by going to the **Go** tap then select **Applications**.
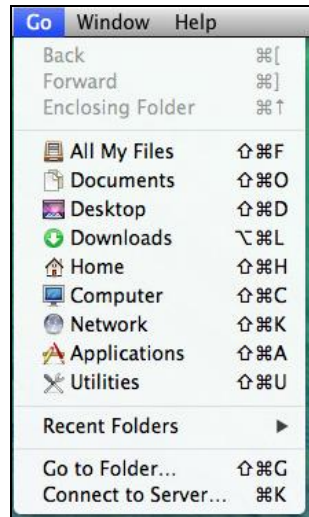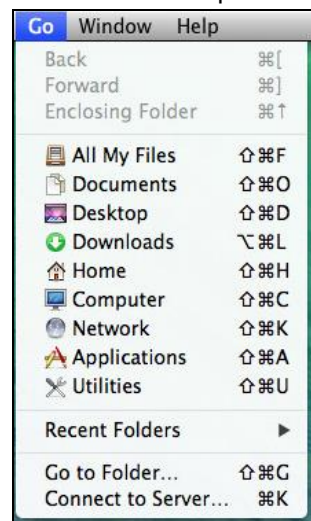

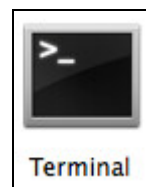2. You could name the folder **obr** as shown below.

3. Open the folder then move the launcher file you have just downloaded from AhsayCBS. (Plese refer to Ch. 5.1 Download AhsayOBR).

4. Click **Go** at the top menu bar, then select **Utilities**.

5. Double click the **Terminal.app** icon.

6. Use the command highlighted in red to enter the **Applications/obr** folder.

```
#[user]-Mac-mini:~ [user]$ cd /Applications/obr
```

7. Use the command highlighted in red to execute the launcher.

```
#[user]-Mac-mini:obr [user]$ $sudo sh [name of the
installation file you downloaded].sh
```

8. Enter the password if necessary.

```
#Password:
```

9. The following scripts show while the launcher is being downloaded.

```
Last login: Wed Jan  9 20:49:53 on ttys000
admins-Mac-2:~ admin$ cd /Applications/obr
admins-Mac-2:obr admin$ sudo sh obr-mac-443-10.90.10.11-
https-34132O.sh

WARNING: Improper use of the sudo command could lead to
data loss
```

```
or the deletion of important system files. Please double-
check your
typing when using sudo. Type "man sudo" for more
information.

To proceed, enter your password, or type Ctrl-C to abort.

Password:
Log Time: Wed Jan  9 20:52:50 PST 2019
Host address: https://10.90.10.11:443
Downloading file... jre-std-mac.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100 64.8M  100 64.8M    0     0  3234k      0  0:00:20
0:00:20 --:--:-- 2136k
Download file completed
Untar component file to /tmp/_obm.190109205250/jvm
Downloading file... app-common.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100 34.9M  100 34.9M    0     0  15.5M      0  0:00:02
0:00:02 --:--:-- 15.5M
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... app-mac-obm.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100 22475  100 22475    0     0    99k      0 --:--:-- --
:--:-- --:--:--  100k
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... app-native-mac.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100  148k  100  148k    0     0   644k      0 --:--:-- --
:--:-- --:--:--  644k
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... aua-common.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100 10.9M  100 10.9M    0     0  13.7M      0 --:--:-- --
:--:-- --:--:-- 13.7M
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... aua-mac-obm.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100   303  100   303    0     0  1699      0 --:--:-- --
```

```
:--:-- --:--:--  1702
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... aua-native-mac.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100  148k 100  148k   0     0   684k       0 --:--:-- --
:--:-- --:--:--   686k
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... util-common.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100  4829 100  4829   0     0   38948      0 --:--:-- --
:--:-- --:--:-- 39260
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... util-mac-obm.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100  1382 100  1382   0     0   5130       0 --:--:-- --
:--:-- --:--:--  5137
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... properties-common.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100 3583k   0 3583k   0     0   1161k      0 --:--:--
0:00:03 --:--:-- 1160k
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... app-inst-mac-obm.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100  146k 100  146k   0     0   461k       0 --:--:-- --
:--:-- --:--:--   462k
Download file completed
Untar component file to /tmp/_obm.190109205250
Downloading file... aua-inst-mac-obm.tar.gz
  % Total    % Received % Xferd  Average Speed   Time
Time     Time  Current
                                 Dload  Upload   Total
Spent    Left  Speed
100 55535 100 55535   0     0   218k       0 --:--:-- --
:--:-- --:--:--   219k
Download file completed
Untar component file to /tmp/_obm.190109205250
Startup Ahsay Online Backup Manager ...
Done
```
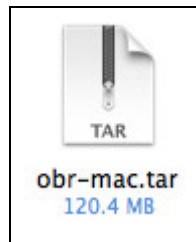
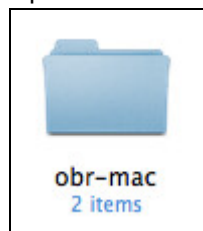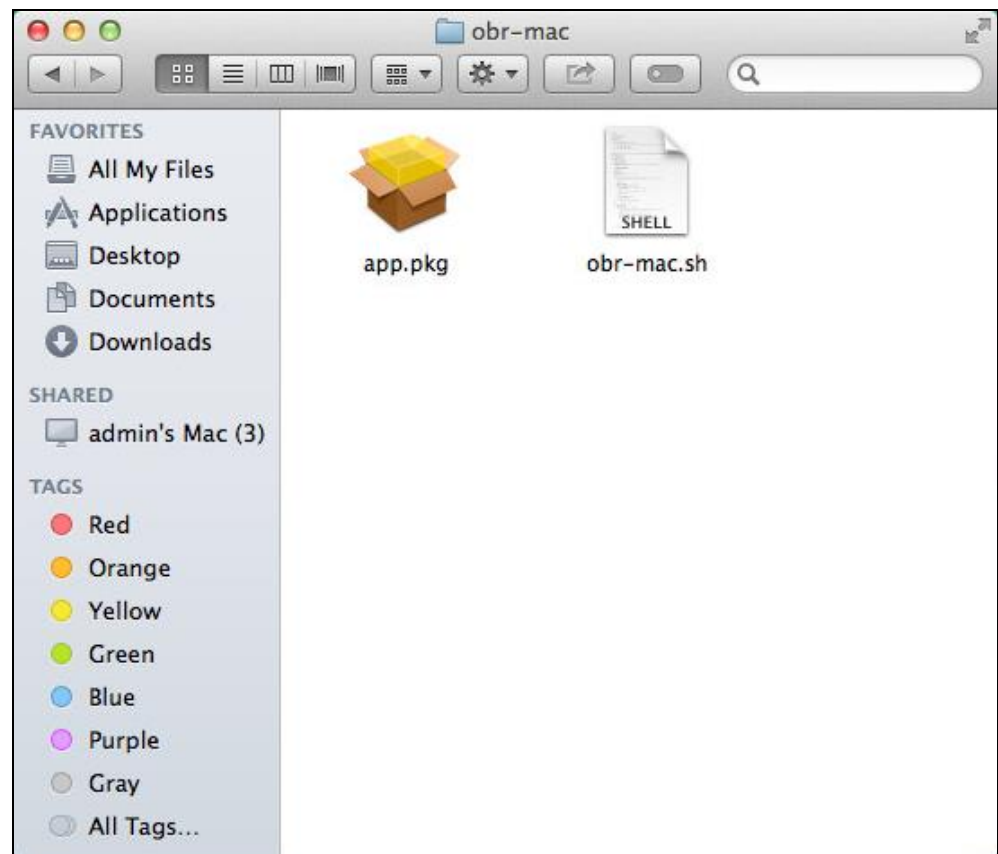10. AhsayOBR is launched successfully when you see the following screen.
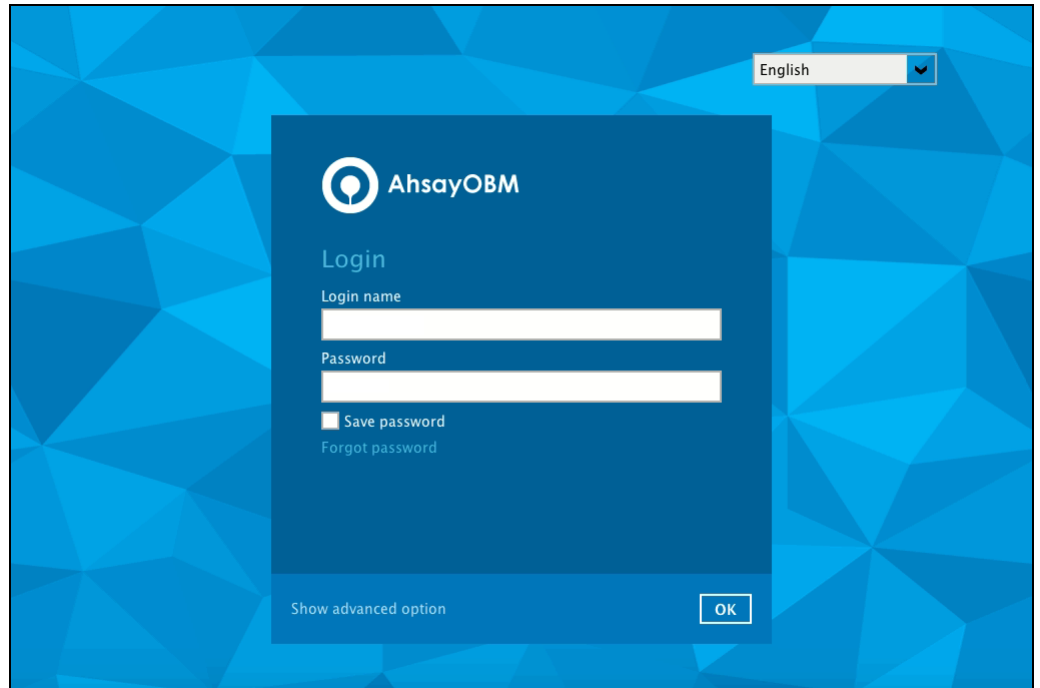
5.2.2 Option 2: Offline Installation

1. Double-click the icon of the AhsayOBR installation package **.gz** file you have downloaded from AhsayCBS. (Plese refer to <u>Ch. 5.1 Download AhsayOBR</u>)
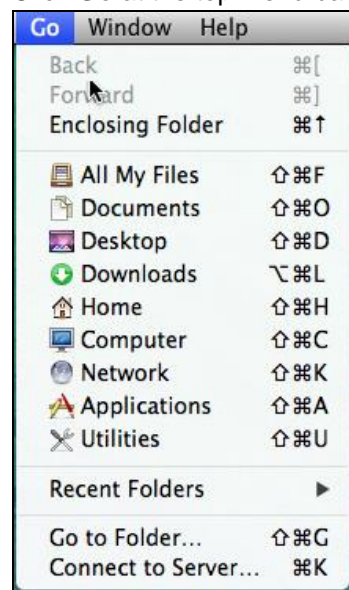

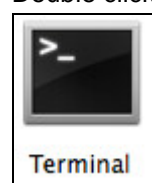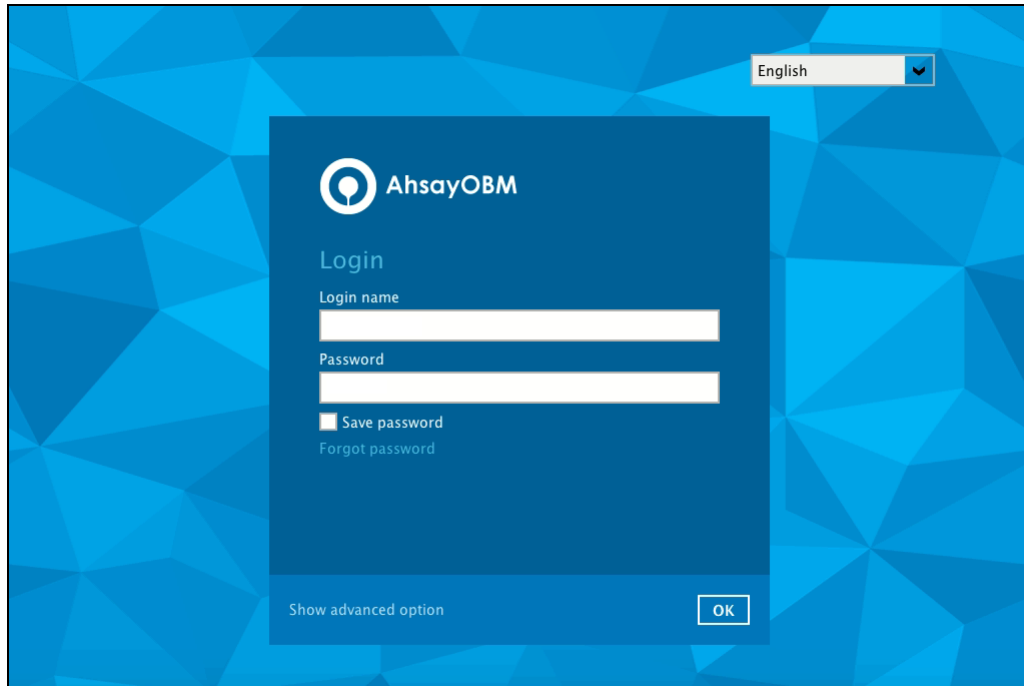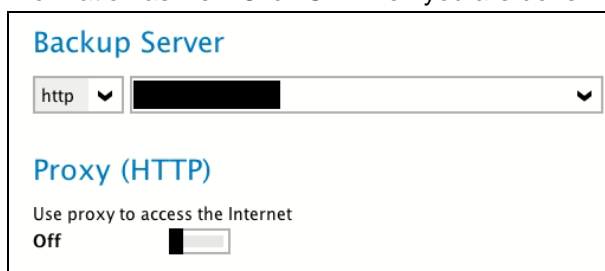2. Open the folder to check the expanded installation package.

3. Click **Go** at the top menu bar, then select **Utilities**.

4. Double click the **Terminal** icon.

5. Use the command highlighted in red to enter the
/Users/admin/donwloads/obr-mac folder.

```
#[user]-Mac-mini:~ [user]$ cd /Users/admin/downloads/obr-
mac
```

6. Use the command highlighted in red to execute the launcher.

```
#[user]-Mac-mini:obr [user]$ sh [name of the installation
file you expanded].sh
```

7. The following scripts show while the launcher is being downloaded.

```
Last login: Wed Jan  9 22:06:11 on ttys001
admins-Mac-2:~ admin$ cd /Users/admin/downloads/obr-mac
admins-Mac-2:obr-mac admin$ sh obr-mac.sh
Log Time: Wed Jan  9 22:31:59 PST 2019
Using package in /Users/admin/downloads/obr-mac/app.pkg
Package version: 8.1.10.0
Untar jre-std-mac.tar.gz to /tmp/_obm.190109223159/jvm
Untar app-common.tar.gz to /tmp/_obm.190109223159
Untar app-mac-obm.tar.gz to /tmp/_obm.190109223159
Untar app-native-mac.tar.gz to /tmp/_obm.190109223159
Untar aua-common.tar.gz to /tmp/_obm.190109223159
Untar aua-mac-obm.tar.gz to /tmp/_obm.190109223159
Untar aua-native-mac.tar.gz to /tmp/_obm.190109223159
Untar util-common.tar.gz to /tmp/_obm.190109223159
Untar util-mac-obm.tar.gz to /tmp/_obm.190109223159
Untar properties-common.tar.gz to /tmp/_obm.190109223159
Untar app-inst-mac-obm.tar.gz to /tmp/_obm.190109223159
Untar aua-inst-mac-obm.tar.gz to /tmp/_obm.190109223159
Startup Ahsay Online Backup Manager ...
Done
```

8. AhsayOBR is launched successfully when you see the following screen.
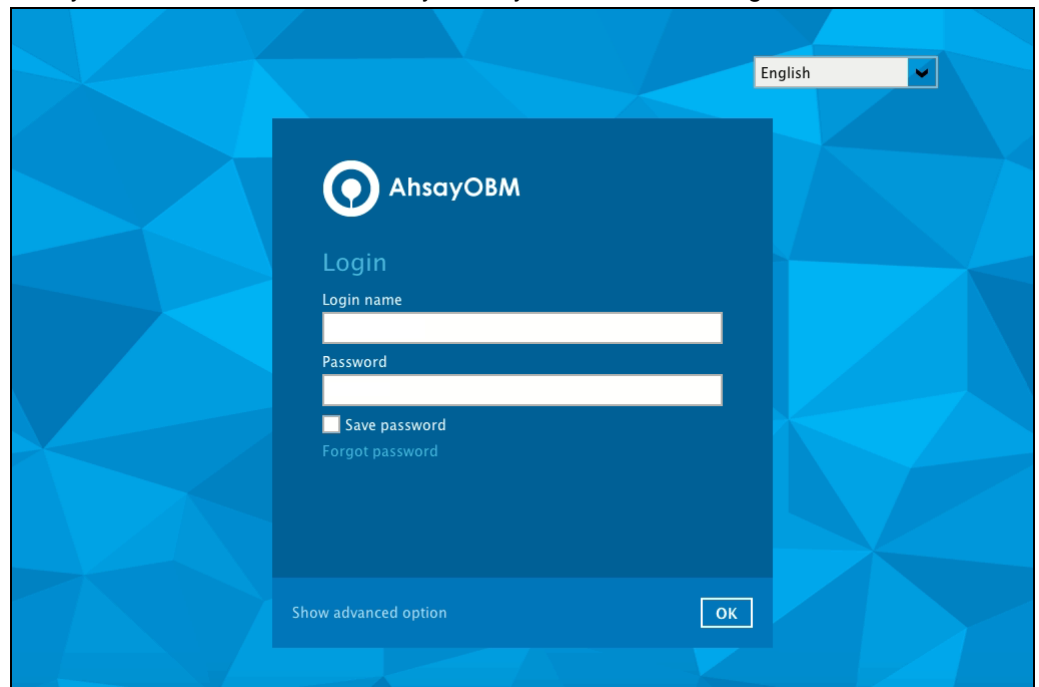
6 Start AhsayOBR

Starting with AhsayOBR v8.5.0.0, Two-Factor Authentication (2FA) is introduced to provide high level of security protection to the backup data that will be restored. With this new feature, there are several scenarios that will be encountered for first time login. Login steps for the different scenarios will be discussed in this chapter.
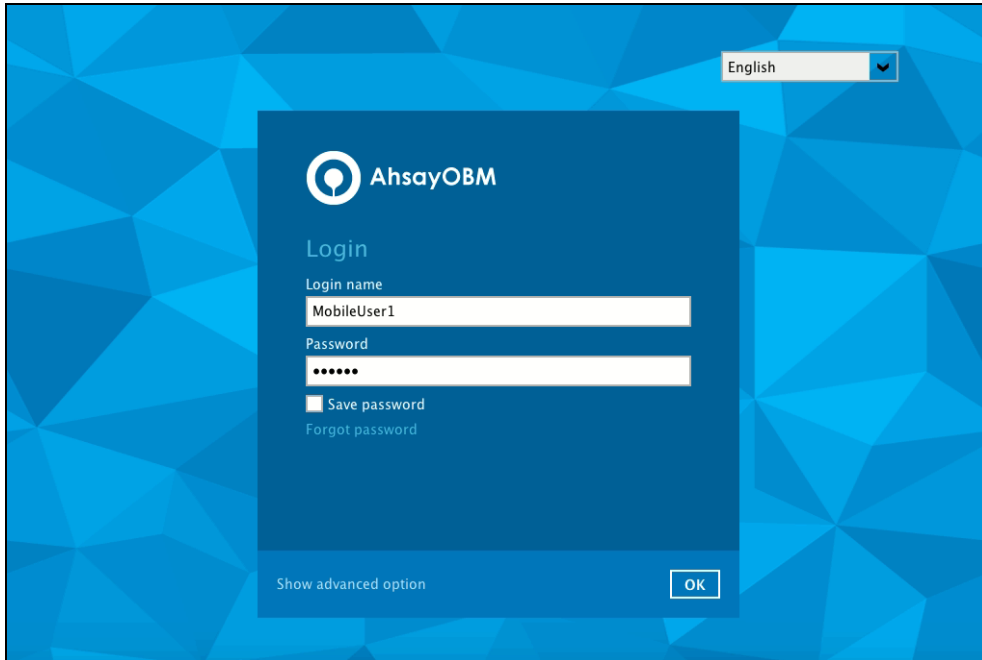
6.1 Login to AhsayOBR without 2FA

1. The AhsayOBR launches automatically and you will see the following screen. Click **Show advanced option** to enter the network settings.

2. Enter the Backup Server address provided by your backup service provider. If you need to use proxy to access the Internet, enable the Proxy feature and fill in the relevant information as well. Click **OK** when you are done with the settings.

3. Enter the login name and password of your Client Backup account, then click **OK** to log in.

4. After a successful login, the available backup set(s) for restore will be displayed.
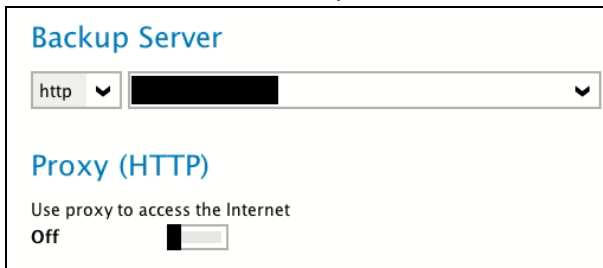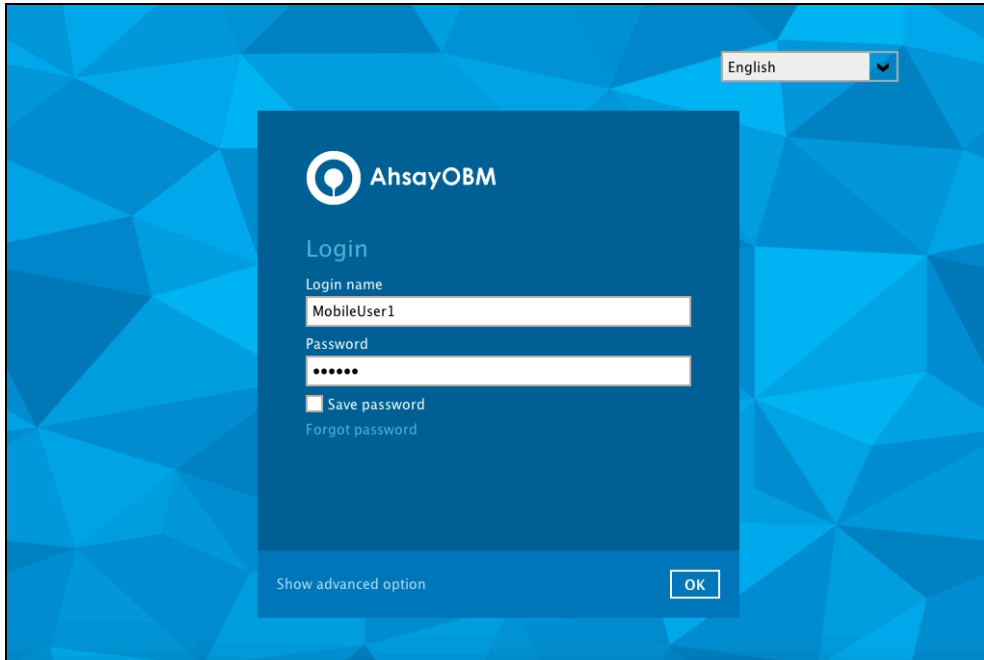
6.2 Login to AhsayOBR with 2FA

1. The AhsayOBR launches automatically and you will see the following screen. Click **Show advanced option** to enter the network settings.

2. Enter the Backup Server address provided by your backup service provider. If you need to use proxy to access the Internet, enable the Proxy feature and fill in the relevant information. Click **OK** when you are done with the settings.

3. Enter the login name and password of your Client Backup account, then click **OK** to log in.

4. Select the authentication method to continue with the login.

There are two authentication method to choose from it is possible to use both methods on the same AhsayOBM user account:
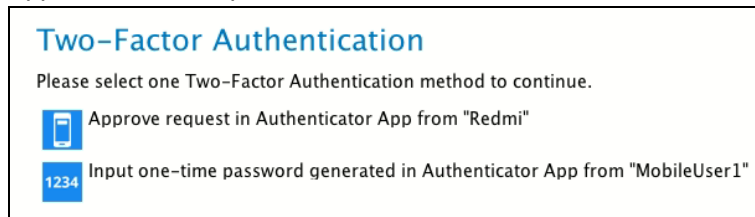
- **Ahsay Mobile app**
- **TOTP Authenticator App**

Example: the AhsayOBM/AhsayACB user account is setup with 2FA using Ahsay Mobile Authenticator on a Mobile device called "Redmi" and a third party TOTP Authentication app such as Google Authenticator, Microsoft Authenticator, LastPass etc.

If **Ahsay Mobile app** will be used as authenticator, follow the steps below to login.

i. Click **Approve request in Authenticator App** to proceed with login.

In the following example both Ahsay Mobile and a third party TOTP Authenticator App has been setup for 2FA.

ii. Accept the authorization request sent to your device.

This is a sample of the authorization request sent to the Ahsay Mobile app.
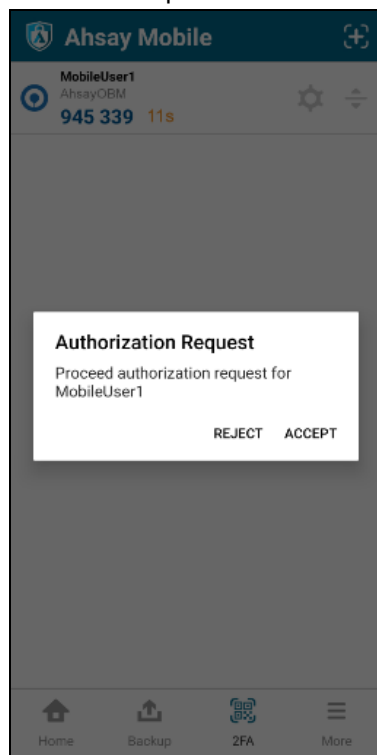
If a third-party **TOTP Authenticator App** will be used instead, follow the steps below to login.
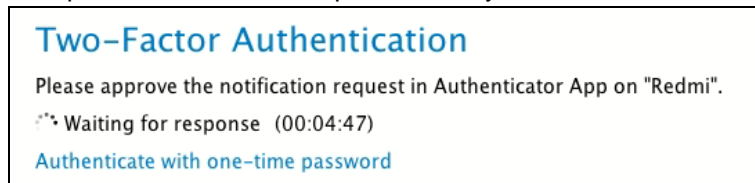
i. Click **Input one-time password generated in Authenticator App** to proceed with login.
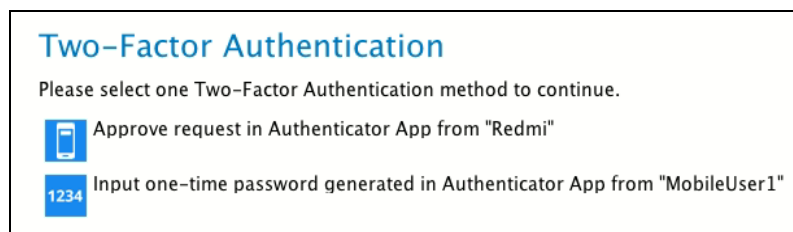
ii. Enter the one-time password that is generated by the authenticator app and click **Next**.
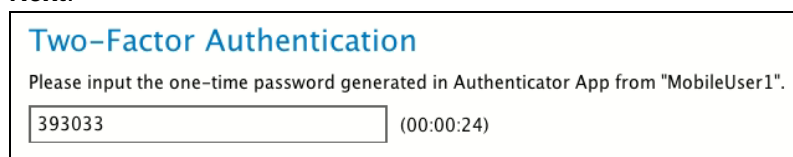
This is a sample of the one-time password generated in the third-party Authenticator App Microsoft Authenticator.
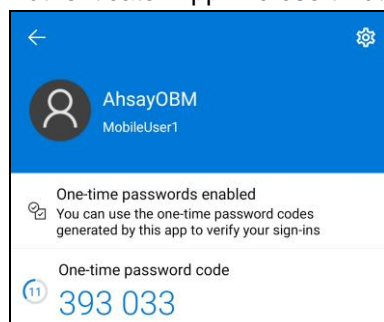
5. After a succesful login, the available backup sets for restore will be displayed.

Please Select The Backup Set To Restore

Sort by

Creation Time ▼

Sample Backup Set
Owner: Lenovo
Newly created on Tuesday, March 09, 2021 14:59

File

Close   Help
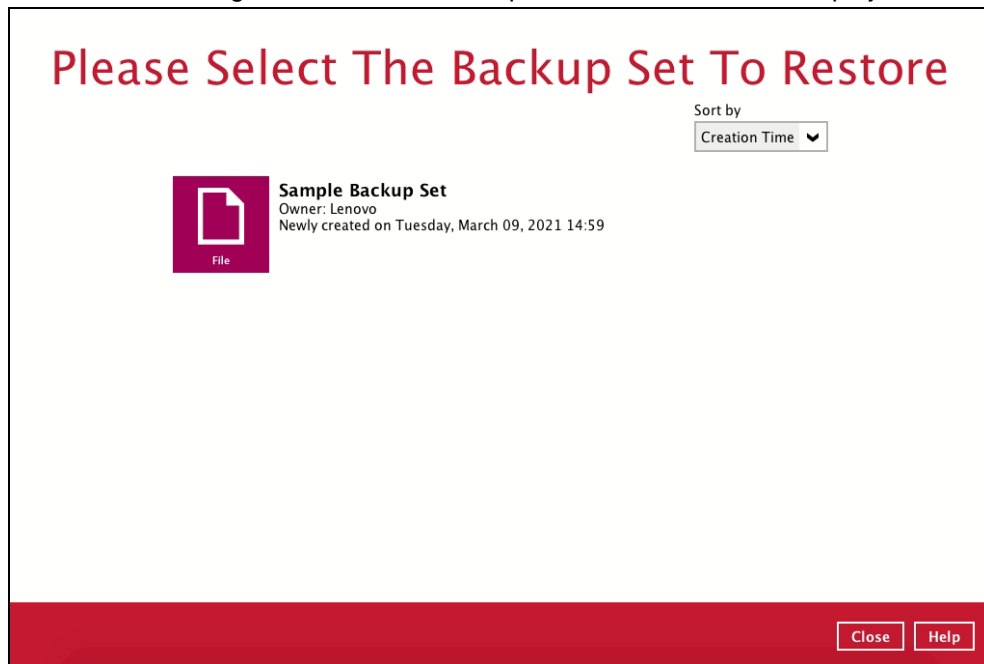
7 Restore File Backup Sets

The following is a typical end-to-end process for a file restore. The actual steps may slightly vary depending on the module you are restoring.

NOTES
- ➢ AhsayOBR can be used to restore data that is backed up with AhsayACB or AhsayOBM.
- ➢ Clicking **Cancel** then **Yes** at any point during the steps below will close the software completely. If you wish to use it after the software is closed, you will have to launch it again according to the instructions in Ch. 5.2 Install AhsayOBR.
---

1. After logging in to your backup account successfully, you should see a screen showing all the available backup sets for restore. Double click on the one you would like to restore.

Please Select The Backup Set To Restore

Sort by
Creation Time ▼

Sample Backup Set
Owner: Lenovo
Newly created on Tuesday, March 09, 2021 14:59
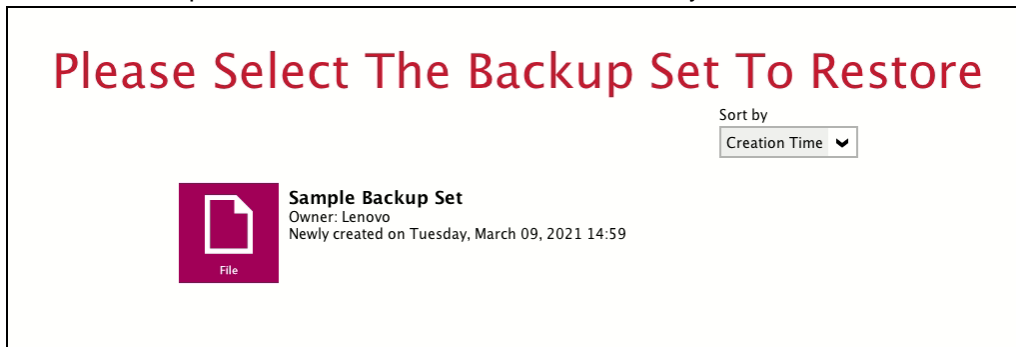
File

2. Enter the encryption key of the selected backup set, then click **OK** to proceed.

Please Select The Backup Set To Restore

Sort by
Creation Time ▼

Sample Backup Set
Owner: Lenovo
Newly created on Tuesday, March 09, 2021 14:59

Please enter the encryption key of backup set "Sample Backup Set".

●●●●●

OK   Cancel

Close   Help
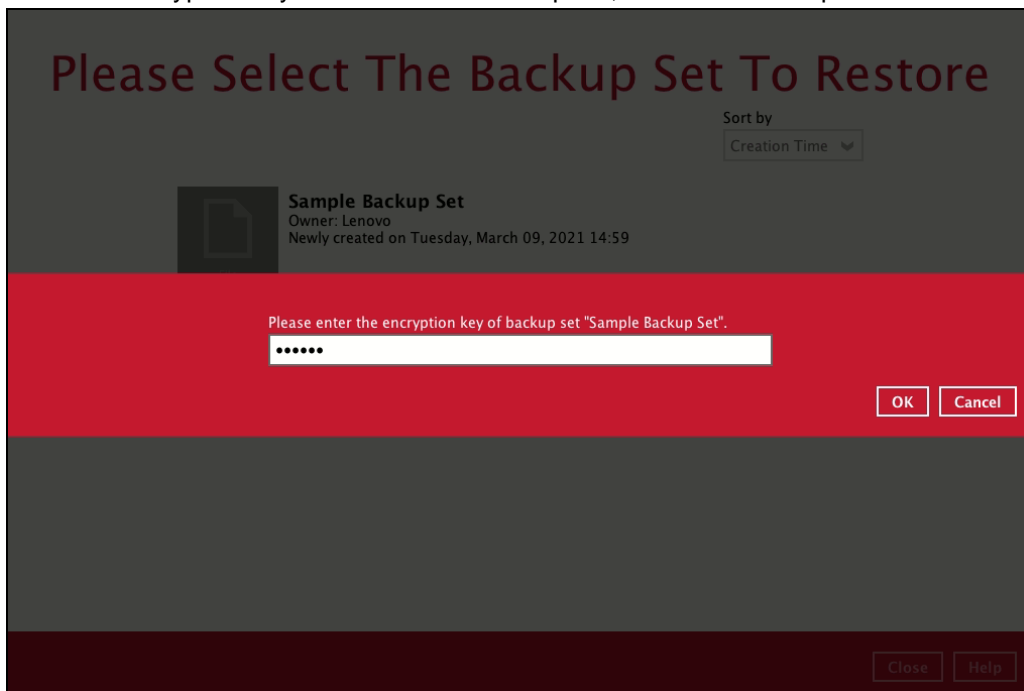
3. Click on the location from which you would like to restore the data from.
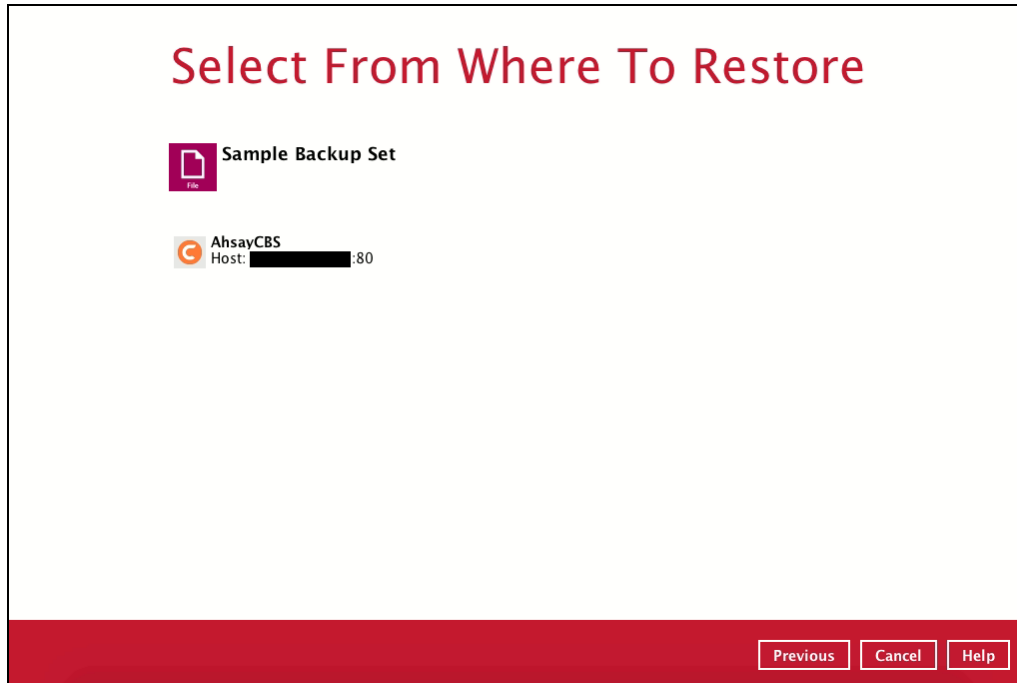
4. Select to restore files from a specific backup job, or from all files available, then select the files or folders that you would like to restore.

There are two options from the **Select what to restore** drop-down menu:

- ⊙ **Choose from files as of job** – this option allows you to select a backup version from a specific date and time to restore.
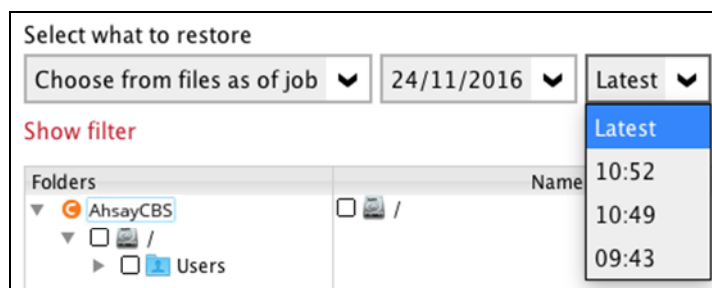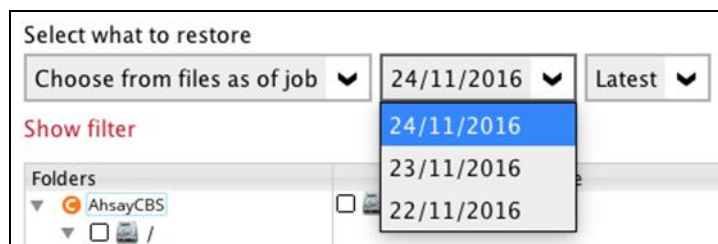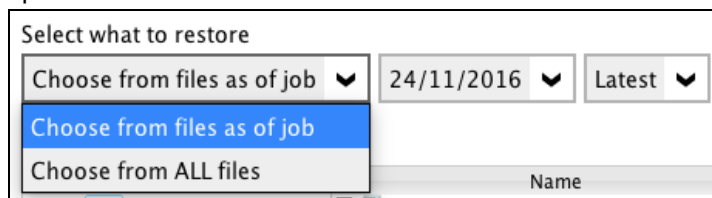
⊙ **Choose from ALL files** – this option allows you to restore all the available backup versions for this backup set. Among all the available backup versions, you can even select only some of the backup versions of a file to restore.
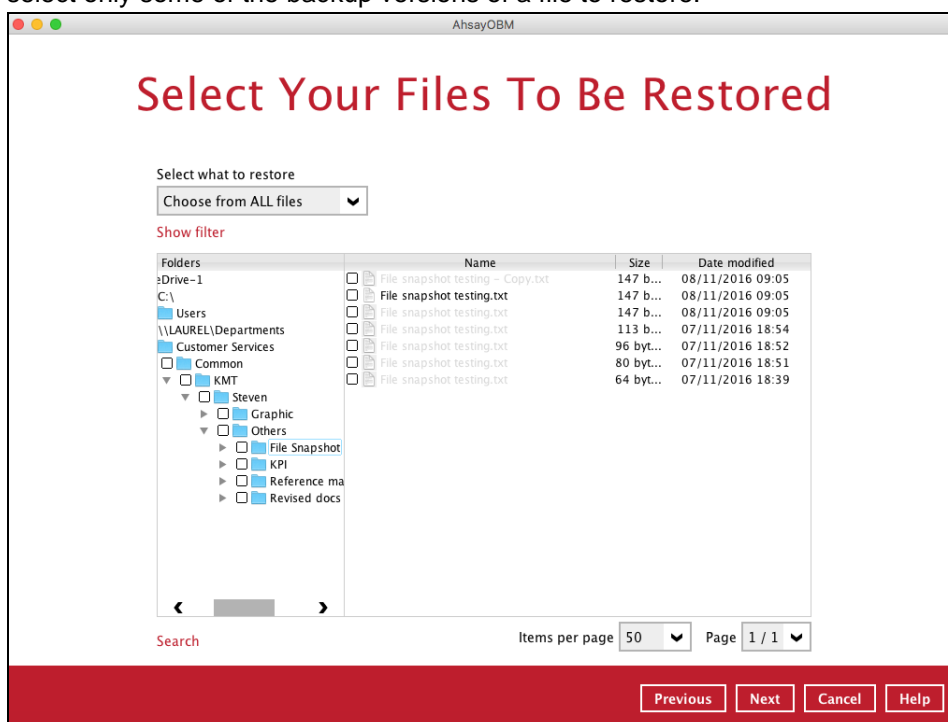
Below is an example showing all the available backup versions of the file **File snapshot testing.txt**. The latest version is shown in solid black color and all the previous versions are shown in grey color. You can identify the file version from the **Date modified** column.


When the restore is done, you will see all the selected backup versions in the restore destination. The latest backup version has the file name as the original file, while the previous versions have the time stamps added to their file names for easy identification.
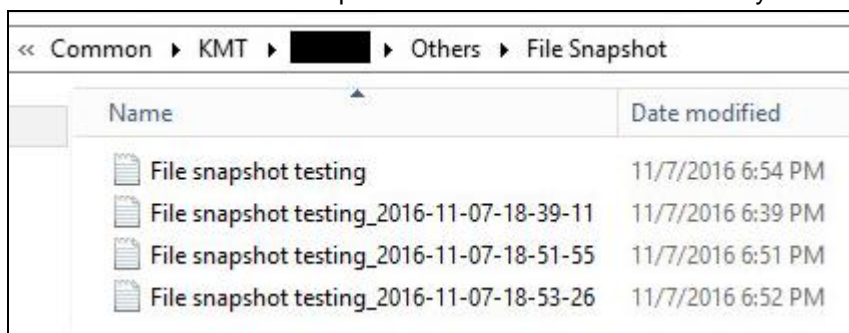
5. Click **Next** to proceed when you are done with the selections.

6. Select to restore the files to their **Original location**, or to an **Alternate location**, then click **Next** to proceed.

- ⦿ **Original location** – the backed-up data will be restored to the computer running the AhsayOBR under the same directory path as on the machine storing the backup source. For example, if the backup source files are stored under **Users/[User's Name]/Downloads** folder, the data will be restored to **Users/[User's Name]/Downloads** as well on the computer running the AhsayOBR.

- ⦿ **Alternate location** – you can choose to restore the data to a location of your choice on the computer where AhsayOBR is running.
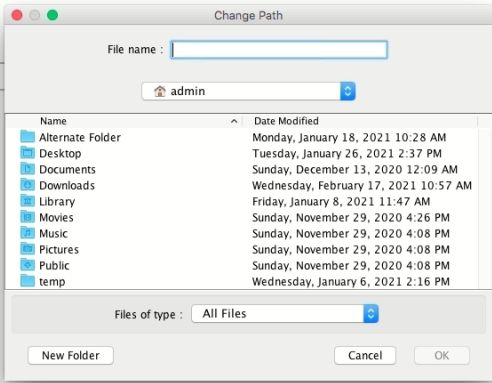
7. Click **Show advanced option** to configure other restore settings:

⊙ **Original Location**

⊙ **Alternate Location**

⊙ **Delete extra files**

By enabling this option, the restore process will attempt to synchronize the selected restore source with the restore destination, making sure the data in the restore destination is exactly the same as the restore source. Any data created after backup will be treated as "extra files" and will be deleted from the restore source if this feature is enabled.

Example:

i) Two files are created under the **Document folder 01**, namely doc 1 & doc 2.
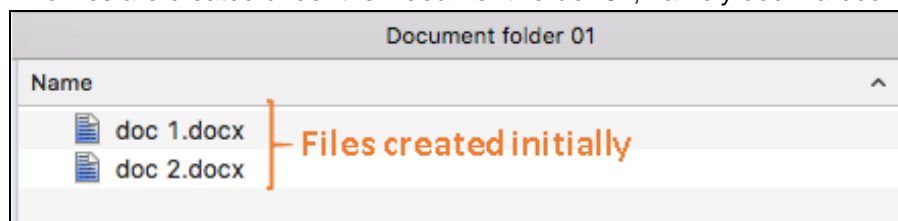
ii) A backup is performed for folder **Document folder 01**.

iii) Two new files are created, namely doc 3 & doc 4.
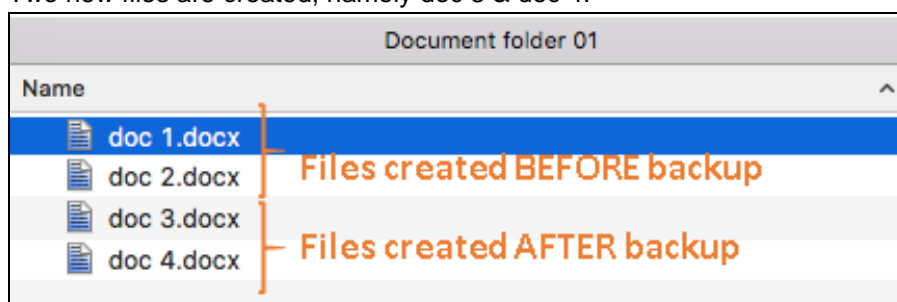
iv) A restore is performed for the **Document folder 01**, with **Delete extra files** option enabled.

v) Since doc 3 & doc 4 have never been backed up, therefore they will be deleted from **Document folder 01**, leaving only the two files that have been backed up.
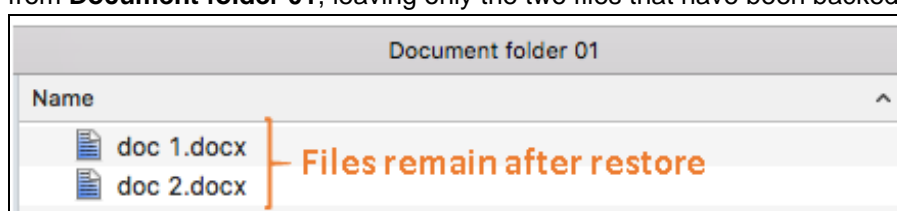
WARNING

Please exercise extra caution when enabling this feature. Consider what data in the restore source has not been backed up and what impact it would cause if those data is deleted.

Prior to the data restore and synchronization, a warning message shows as the one shown below. Only clicking **Yes** will the "extra file" be deleted. You can click **Apply to all** to confirm deleting all the "extra files"at a time.

⊙ **Follow Link (Enabled by default)**

When this option is enabled, not only the symbolic link or junction point will be restored, the directories and files that the symbolic link or junction point links to will also be restored.

The table below summarizes the behaviors when a restore is performed with different settings.

Follow Link	Restore to	Behavior
Enabled	**Original location**	Symbolic link or junction point is restored to the original backup location. Target directories or files are also restored to the original backup location.
	Alternate location	Symbolic link or junction point is restored to the location specified. Target directories or files are also restored to the alternate location specified.

| Disabled | Original location | Symbolic link or junction point is restored to the original backup location. Target directories or files are NOT restored to the original backup location. |
| | Alternate location | Symbolic link or junction point is restored to the location specified. Target directories or files are NOT restored to the alternate location specified. |

◉ **Resolve Link (Only for restoring to Alternate Location)**

This option must be used in conjunction with the **Follow Link** option. When this option is enabled, the symbolic link or junction point, as well as the directories and files that the symbolic link or junction point links to will also be restored in the alternate location you have chosen. That means the link or junction will point to the alternate location instead of the original location.

The table below summarizes the behaviors when a restore is performed with this option turned on and off.

| Resolve Link	Behavior
Enabled	Symbolic link or junction point is restored to the alternate location specified, with its target directories and files also restored to the same location in their relative path. Target of the link or junction is updated to the new relative path. In other word, the link or junction now points to the new alternate location.
Disabled	Symbolic link or junction point is restored to the alternate location specified, with its target directories and files also restored to the same location in their relative path. However, target of the link or junction is NOT updated to the new relative path. In other word, the link or junction still points to the original location.

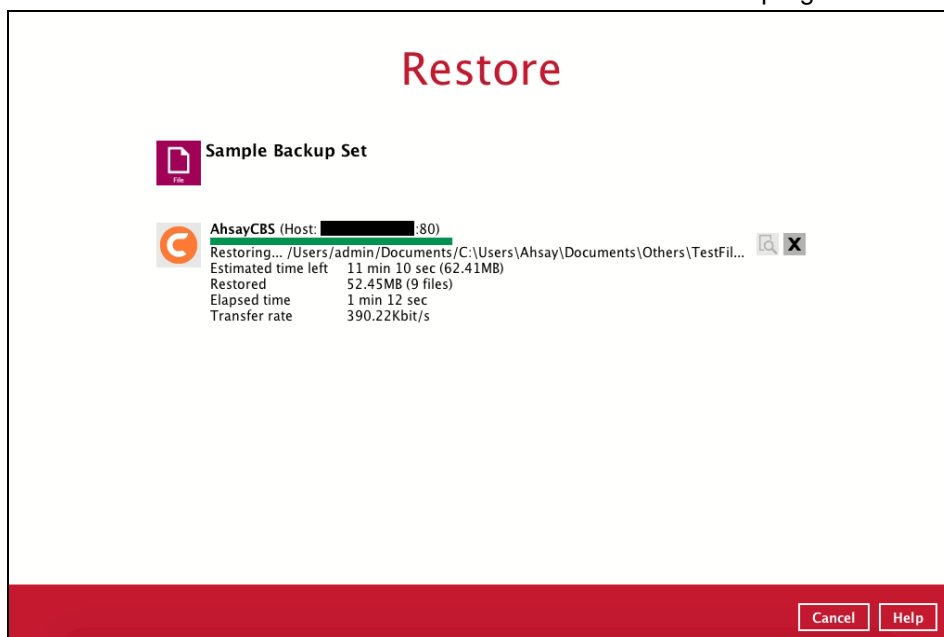⊙ **Verify checksum of in-file delta files during restore**

By enabling this option, the checksum of in-file delta files will be verified during the restore process. This will check the data for errors during the restore process and create a data summary of the in-file delta files which will be included in the report.

8. Click **Next** to proceed with you are done with the settings.

9. Select the temporary directory for storing temporary files, such as delta files when they are being merged.

By default, the temporary files are stored under the temp directory of the user profile directory. However, there is a chance that the same directory path does not exist in the computer you are running the AhsayOBR. In that case, you will have to click **Browse** to define a new location for storing the temporary files, otherwise you will not be able to perform a restore.

Temporary Directory

Temporary directory for storing restore files

/Users/admin/temp   [Browse]

[Previous] [Restore] [Cancel] [Help]
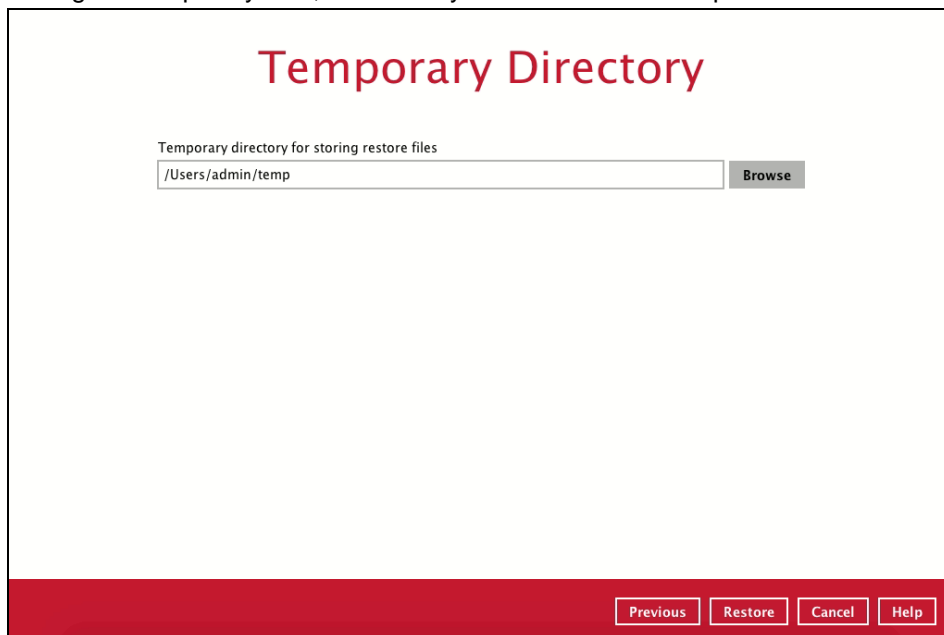
10. Click **Restore** to start the restore.

11. You will see a screen like the one shown below with the restore progress bar.

Restore

Sample Backup Set

AhsayCBS (Host: ████████:80)
Restoring... /Users/admin/Documents/C:\Users\Ahsay\Documents\Others\TestFil...
Estimated time left   11 min 10 sec (62.41MB)
Restored   52.45MB (9 files)
Elapsed time   1 min 12 sec
Transfer rate   390.22Kbit/s

[Cancel] [Help]

12. The progress bar shows **Restore Completed Successfully** when the restore is done. Click **Close** to exit the confirmation screen.

13. To exit AhayOBR, click **Cancel** and then **Yes**, it will then be closed completely. If you wish to use the AhsayOBR again, you will then have to launch it again according to the instructions in Ch. 5.2 Install AhsayOBR.

8   Contacting Ahsay

8.1 Technical Assistance

To contact Ahsay support representatives for technical assistance, visit the Partner Portal:
https://www.ahsay.com/partners/

Also use the Ahsay Wikipedia for resource such as Hardware Compatibility List, Software Compatibility List, and other product information:
https://wiki.ahsay.com/

8.2 Documentation

Documentations for all Ahsay products are available at:
https://www.ahsay.com/jsp/en/downloads/ahsay-downloads_documentation_guides.jsp

You can send us suggestions for improvements or report on issues in the documentation by contacting us at:
https://www.ahsay.com/partners/

Please specify the specific document title as well as the change required/suggestion when contacting us.