



Ahsay Online Backup Manager v7

Quick Start Guide for Mac OS X

Ahsay Systems Corporation Limited

25 May 2018

Copyright Notice

© 2018 Ahsay Systems Corporation Limited. All rights reserved.

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

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

Trademarks

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

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

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

Dropbox is registered trademark of Dropbox Inc.

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

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

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

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

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

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

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

ShadowProtect is registered trademark of StorageCraft Technology Corporation.

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

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

Disclaimer

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

Revision History

Date	Descriptions	Type of modification
28 Jun 2016	First Draft	New
10 Nov 2016	Modified Ch 7.3 Configure Backup Schedule for Automated Backup	Modification
25 Nov 2016	Added Backup Set Options to Ch 5 Create a File Backup Set, Advanced Options to Ch 7 Start a Manual Backup, and Restore Options to Ch 8 Restore Data; Modified Ch 3 Download AhsayOBM, and Ch 3 Install AhsayOBM; Combined "Technical Assistance" and "Documentation" as Ch 9 Contacting Ahsay	Modification
16 Dec 2016	Modified Ch 5 Create a Backup Set, Ch 7 Running Backup Jobs and Ch 8 Restore Data; Corrected typo in Copyright Notice and Trademarks; Removed "-ing" verb form from all chapter titles for consistency	Modification
3 Feb 2017	Added instructions and screen shots for Encryption key handling in Ch. 5	New
5 Apr 2017	Added Encryption Type option in Ch. 5 Create a Backup Set section: Revised screen shot with larger field for entering backup sever IP at login	New
16 Oct 2017	Added Software Requirements for Ch1.2; Added Offline Installation Option for Ch3.2	New
21 May 2018	Added Limitations for Ch1.3	New

Table of Contents

1	Requirements for AhsayOBM on Mac OS X	1
	Hardware Requirements	1
	Software Requirements.....	1
	Limitations	1
2	Get Started with AhsayOBM	2
3	Download and Install AhsayOBM	3
	Download AhsayOBM	4
	Install AhsayOBM.....	5
	Option 1: Online Installation Option	5
	Option 2: Offline Installation Option	9
4	Start AhsayOBM	13
	Add an AhsayOBM Shortcut Icon to the Desktop	13
	Login to AhsayOBM	14
5	Create a Backup Set.....	16
6	Overview on Backup Process	23
7	Run Backup Jobs	24
	Login to AhsayOBM	24
	Start a Manual Backup.....	24
	Configure Backup Schedule for Automated Backup.....	27
8	Restore Data	31
	Login to AhsayOBM	31
	Restore Data	31
9	Contact Ahsay	39
	Technical Assistance	39
	Documentation	39
	Appendix.....	40
	Uninstall AhsayOBM	40

1 Requirements for AhsayOBM on Mac OS X

Hardware Requirements

Refer to the link below for details of the minimum and recommended requirements for installing AhsayACB:

[FAQ: Ahsay Hardware Requirement List \(HRL\) for version 7.3 or above \(5000\)](#)

Software Requirements

Refer to the following link for details of the operating systems, applications and databases supported by AhsayACB:

[FAQ: Ahsay Software Compatibility List \(SCL\) for version 7.3 or above \(5001\)](#)

Limitations

- Installation on Root Drive

AhsayOBM must be installed on the root drive of a volume (e.g. /Applications/...).

- Resource Fork Files

Resource fork files cannot be restored with AhsayOBM installation on Mac OS X 10.8 above.

- Case-Insensitive File System

For volume with a case-insensitive file system, target file of a symbolic link will be backed up twice (in both upper case and in lower case), hence, doubling the backup quota storage requirement.

2 Get Started with AhsayOBM

This quick start guide will walk you through the following 5 major parts to get you started with using AhsayOBM.

Download and Install

Download and Install
AhsayOBM on your Mac

Launch the App

Launch and log in to AhsayOBM

Create File Backup Set

Create backup set according to
your preferences

Run Backup Jobs

Run the backup jobs to back up
data

Restore Data

Restore backed up data to your
system

3 Download and Install AhsayOBM

From version 7.15.0.0 onwards, there are two installation modes of AhsayOBM, online installation and offline installation. Below is the table of comparison between online installation and offline installation.

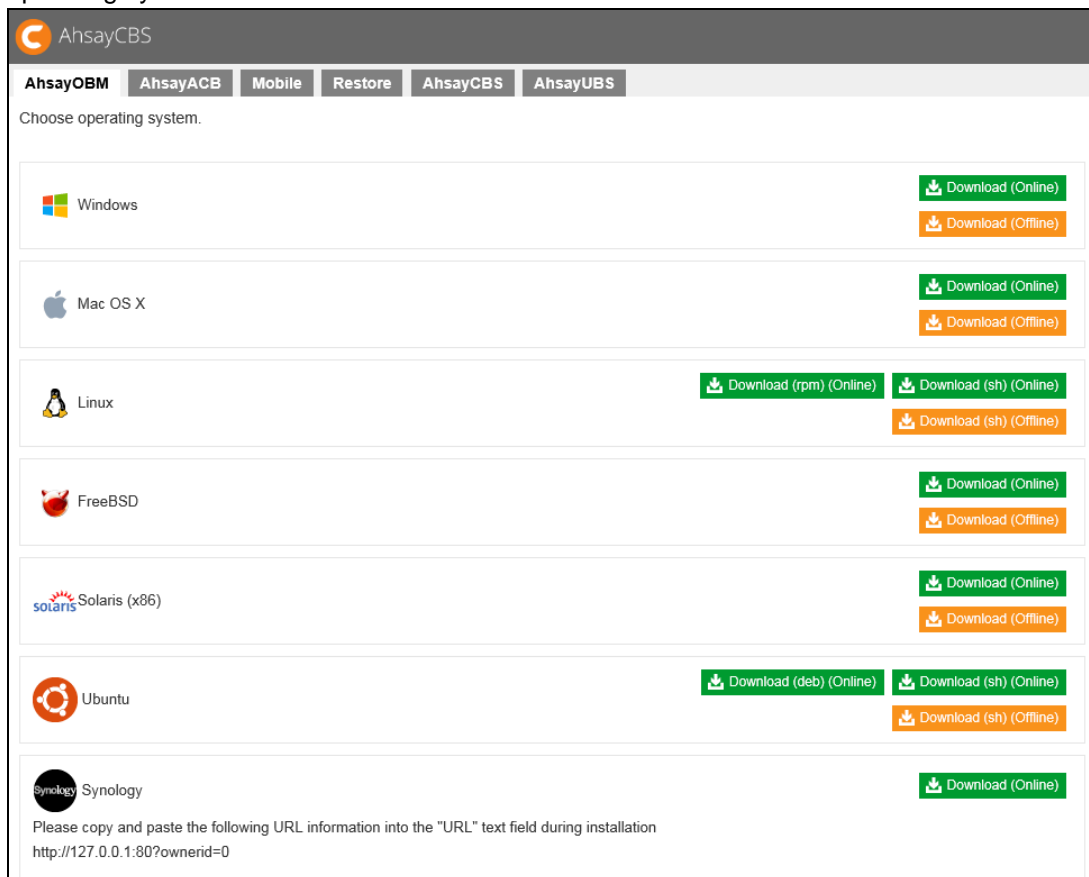
	Online Installation	Offline Installation
Version Supported and Control	<ul style="list-style-type: none">➤ From v7.3.2.0 onwards.➤ Ensures the latest version of the product is installed.	<ul style="list-style-type: none">➤ From v7.15.0.0 onwards.➤ May need to update the product version after installation if an older offline installer is used.
Installation Time	<ul style="list-style-type: none">➤ Takes more time as it needs to download the binary and component files (80MB to 132MB depending on operating system) each time the installation is run.➤ Online installer size is 6KB to 3.5MB depending on operating system as it contains only the initial installation package files.	<ul style="list-style-type: none">➤ 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 80MB to 132MB depending on operating system as it contains all the necessary binary and component files.
Deployments	<ul style="list-style-type: none">➤ Suitable for single or small amount of device installations.➤ 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.	<ul style="list-style-type: none">➤ Suitable for multiple or mass device installations.➤ 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.

Download AhsayOBM

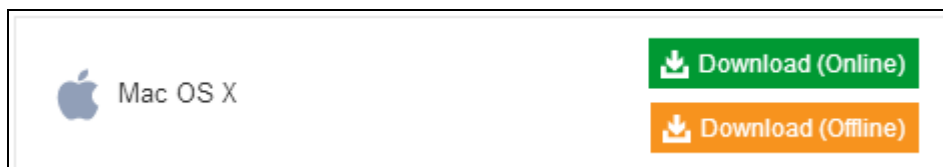
1. In a web browser, click the blue icon on the top right corner to open the download page for the AhsayOBM installation package file from your backup service provider's website.



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



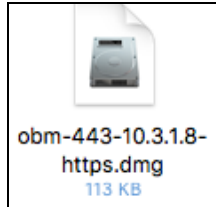
3. In the **Mac OS X** section, click on the **Download (Online)** or **Download (Offline)** button to download the AhsayOBM installation package.



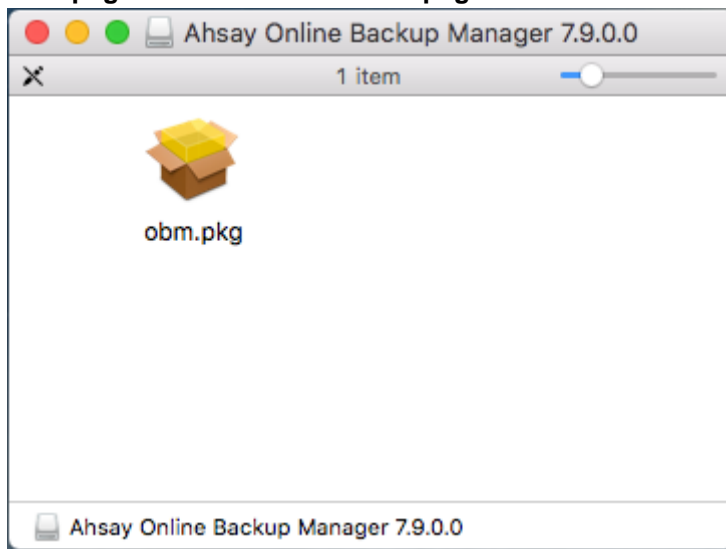
Install AhsayOBM

Option 1: Online Installation Option

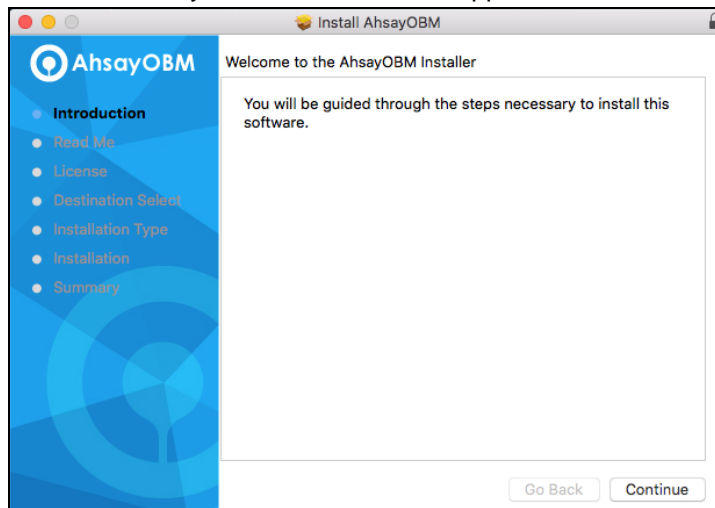
1. Double-click the icon of the AhsayOBM installation package **.dmg** file you have downloaded.



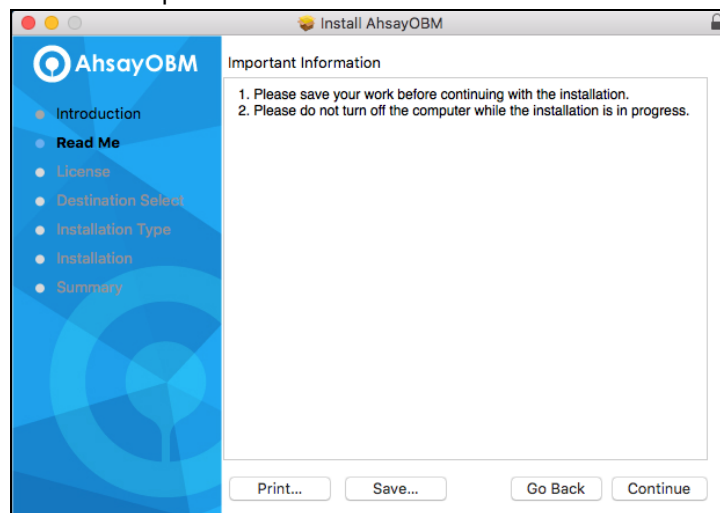
2. The Ahsay Online Backup Manager window will appear. You will see another file named **obm.pkg**. Double click on the **obm.pkg** file.




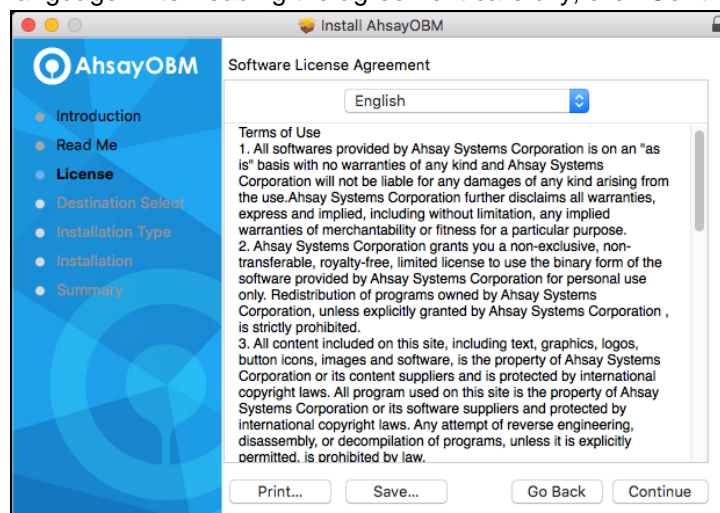
3. When the AhsayOBM Installer wizard appears, click **Continue** to proceed.



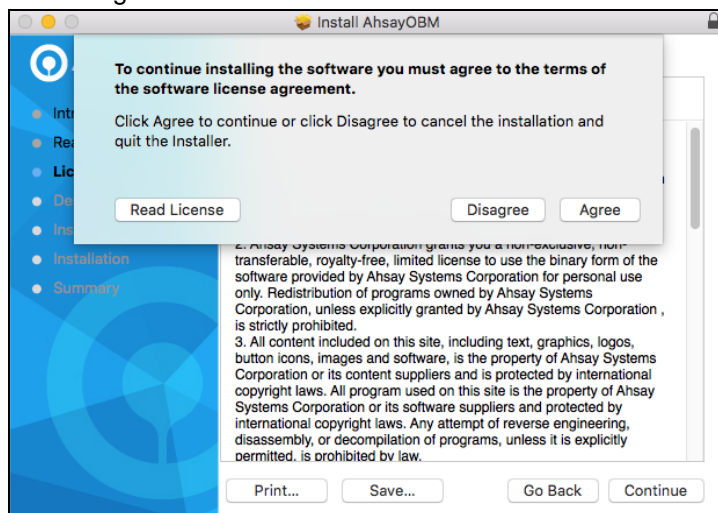
4. When the Important Information screen appears, read the information and then click **Continue** to proceed.



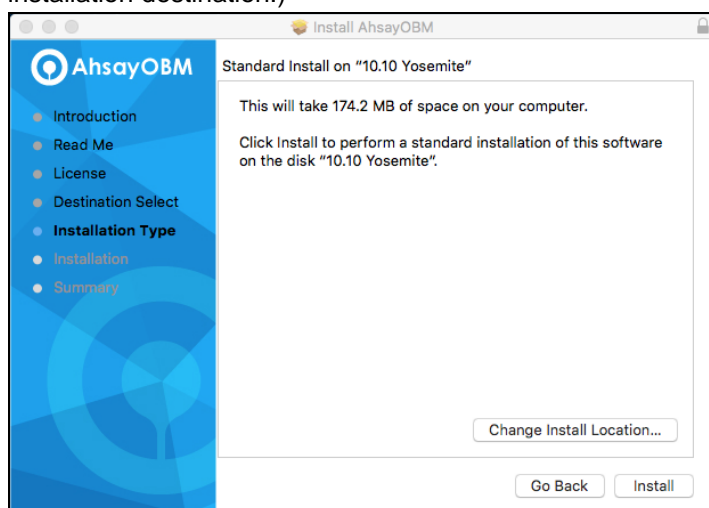
5. When the Software License Agreement appears, the agreement content will be displayed in English by default. If you prefer to read it in a different language, click  to change the language. After reading the agreement carefully, click **Continue** to proceed.



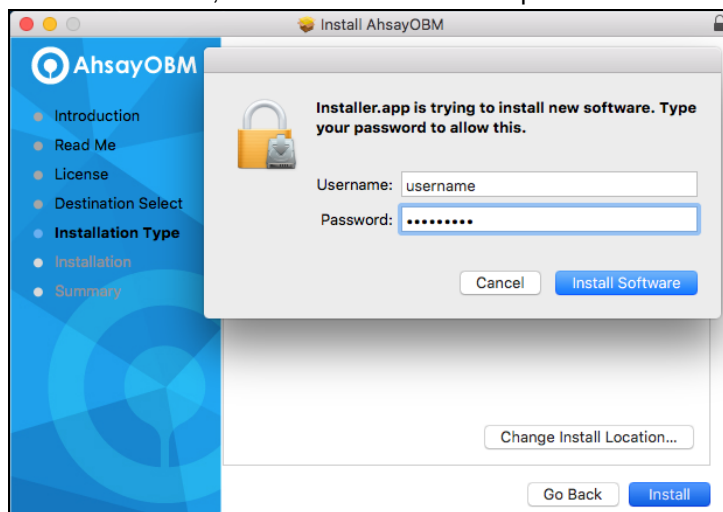
6. The following message will appear in a pop-up window. Click **Agree** to accept the software license agreement.



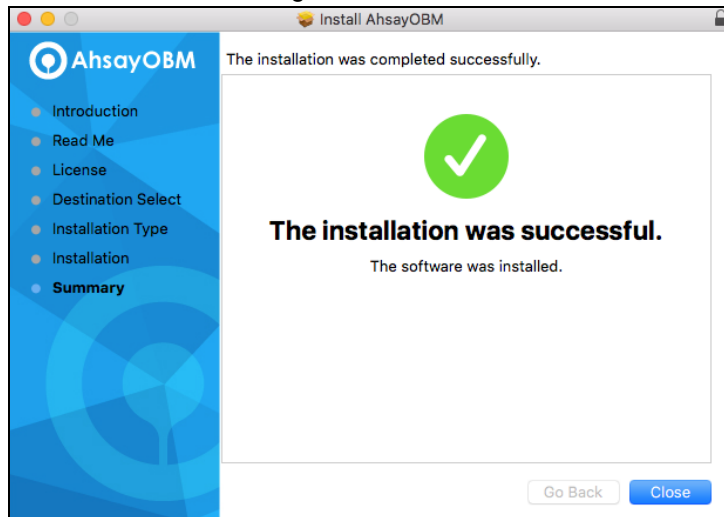
7. Click **Install** to start installing AhsayOBM to the default location, i.e. "10.10 Yosemite" in this example. (Alternatively, you can click **Change Install Location...** to choose a different installation destination.)



8. The following message will appear in a pop-up window. Enter your Mac OS X login credentials. Then, click **Install Software** to proceed with the installation.



9. You will see the following screen when the installation of AhsayOBM is completed.

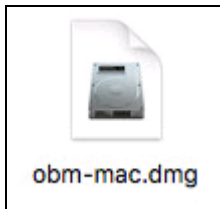


Option 2: Offline Installation Option

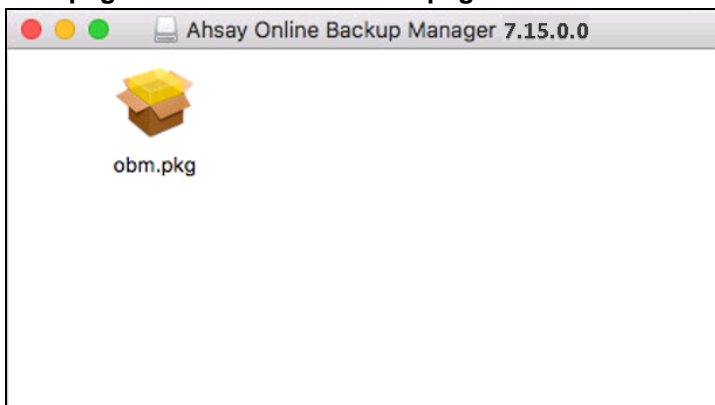
1. Double-click the icon of the AhsayOBM installation package **.gz** file you have downloaded to expand it.



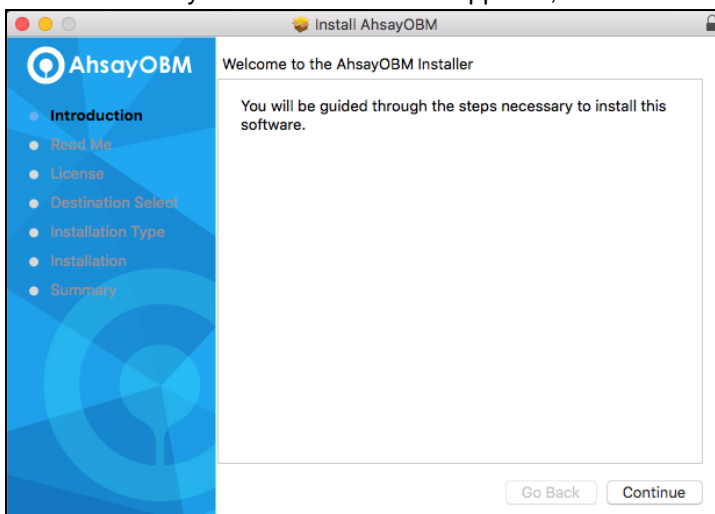
2. Double-click the icon of the AhsayOBM installation package **.dmg** file you have expanded.



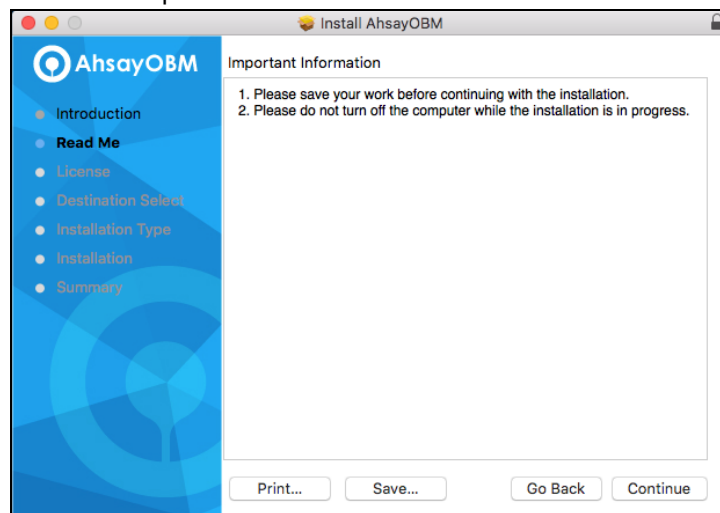
3. The Ahsay Online Backup Manager window will appear. You will see another file named **obm.pkg**. Double click on the **obm.pkg** file.




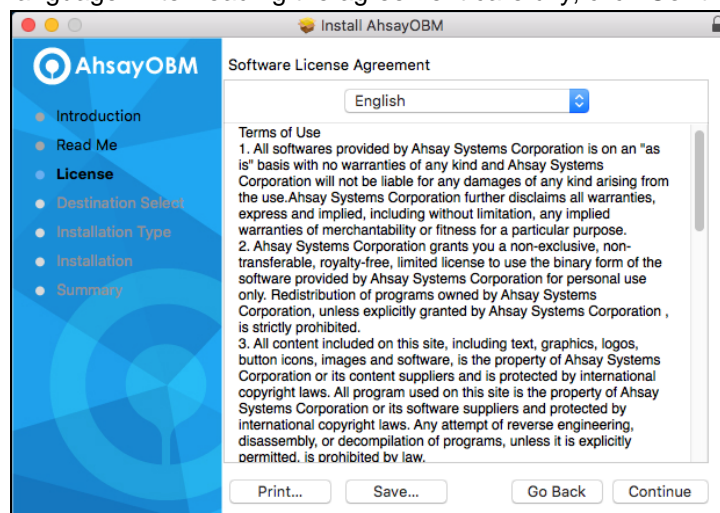
4. When the AhsayOBM Installer wizard appears, click **Continue** to proceed.



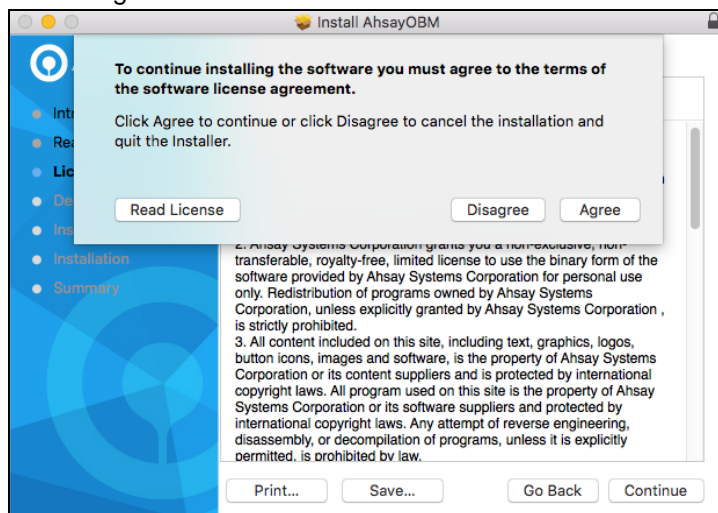
5. When the Important Information screen appears, read the information and then click **Continue** to proceed.



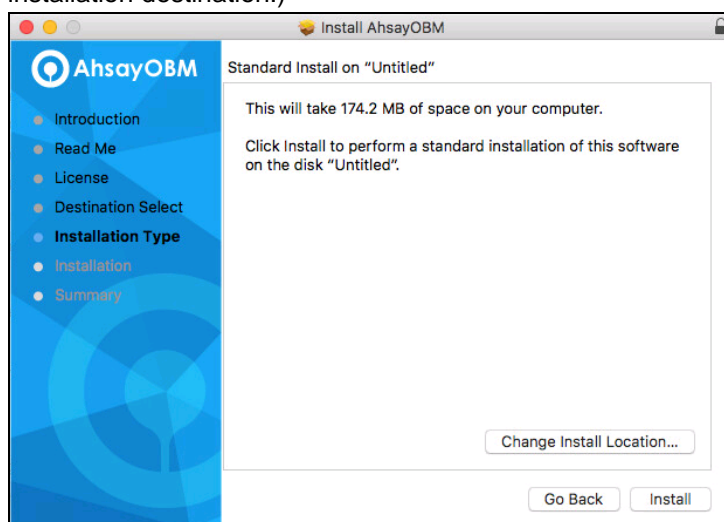
6. When the Software License Agreement appears, the agreement content will be displayed in English by default. If you prefer to read it in a different language, click  to change the language. After reading the agreement carefully, click **Continue** to proceed.



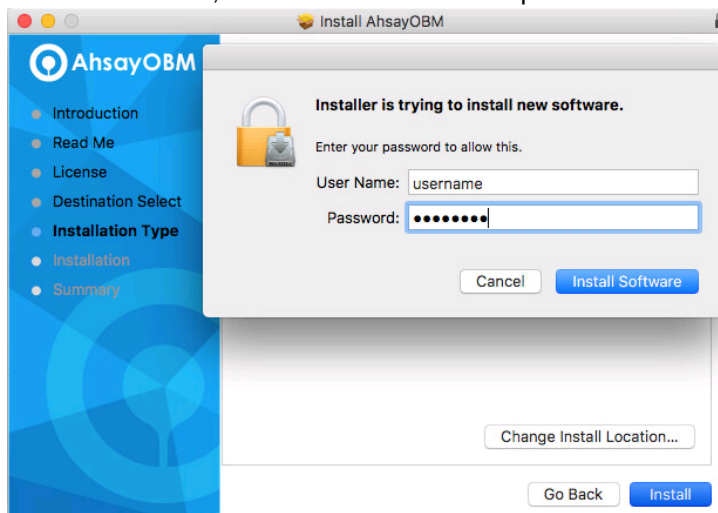
7. The following message will appear in a pop-up window. Click **Agree** to accept the software license agreement.



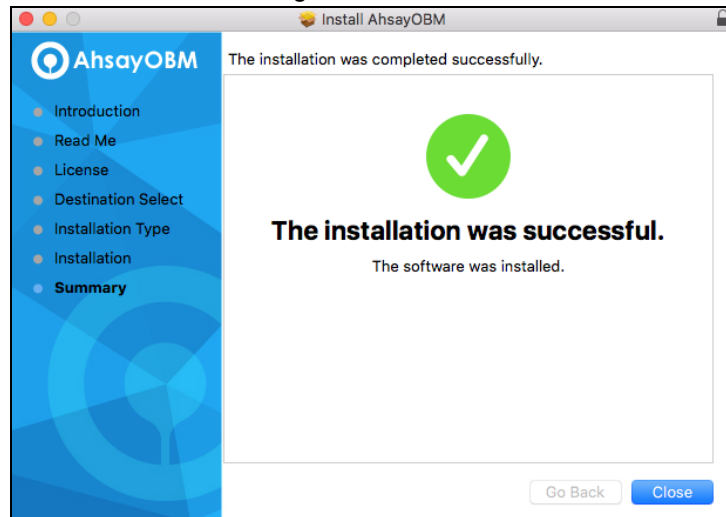
8. Click **Install** to start installing AhsayOBM to the default location, i.e. "Untitled" in this example. (Alternatively, you can click **Change Install Location...** to choose a different installation destination.)



9. The following message will appear in a pop-up window. Enter your Mac OS X login credentials. Then, click **Install Software** to proceed with the installation.



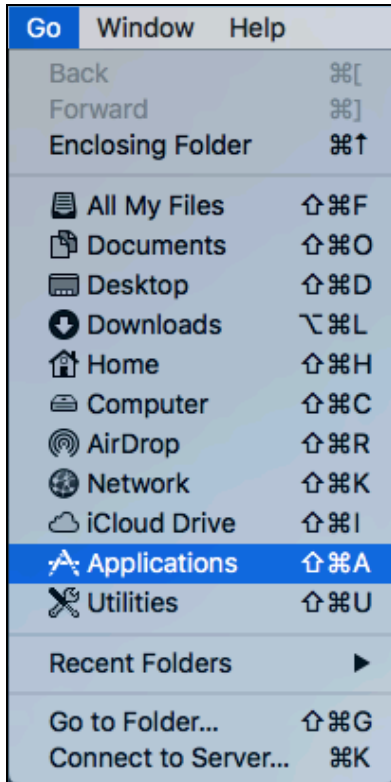
10. You will see the following screen when the installation of AhsayOBM is completed.



4 Start AhsayOBM

Add an AhsayOBM Shortcut Icon to the Desktop

1. Under the **Go** menu bar on the top of the screen, click the **Applications** option.



2. Look for the AhsayOBM application icon as shown below.

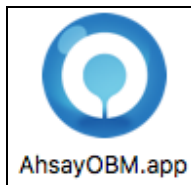


3. Then, drag the icon to to add a shortcut to the desktop.

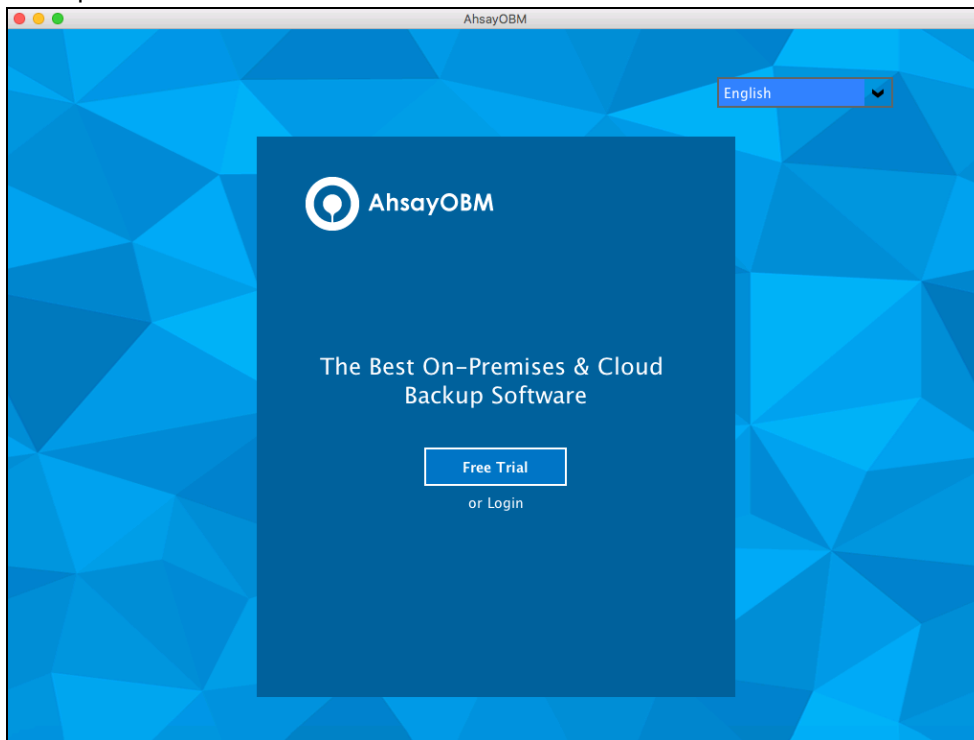


Login to AhsayOBM

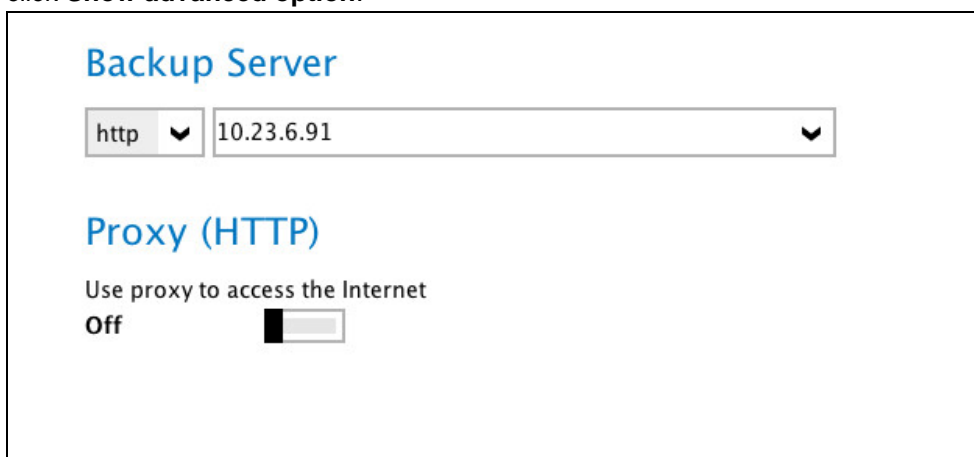
1. Double-click the **AhsayOBM** icon to launch the application.



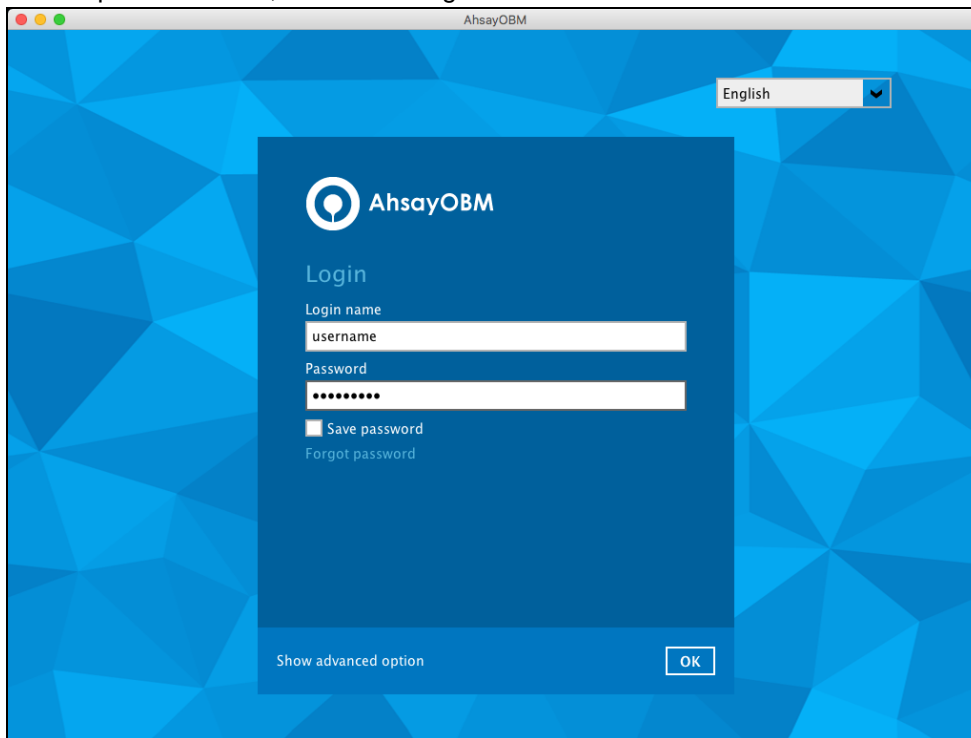
2. The Free Trial Registration menu may be displayed when you log in for the first time. Click **Login** if you already have an AhsayOBM account, or click **Free Trial** to register for a trial backup account.



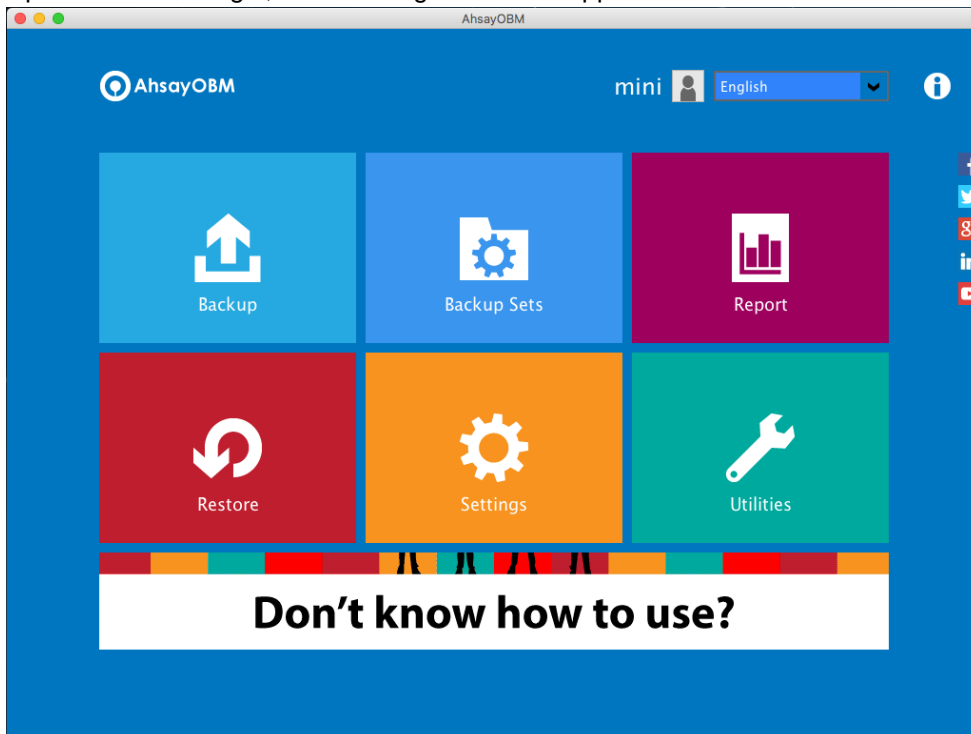
3. In case you want to enter the backup server setting provided by your backup service provider, click **Show advanced option**.

The image shows a 'Backup Server' configuration form. It has a title 'Backup Server' in blue. Below the title, there are two input fields: a dropdown menu with 'http' selected and a text field with '10.23.6.91'. Below these fields, there is a section titled 'Proxy (HTTP)' in blue. Under this section, there is a label 'Use proxy to access the Internet' and a toggle switch labeled 'Off'.

4. Enter the login name and password of your AhsayOBM account provided by your backup service provider. Then, click **OK** to login.

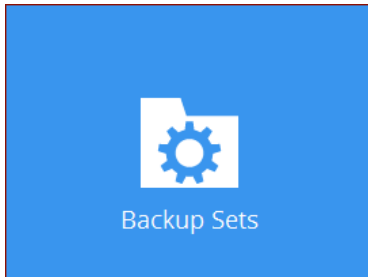



5. Upon successful login, the following screen will appear.

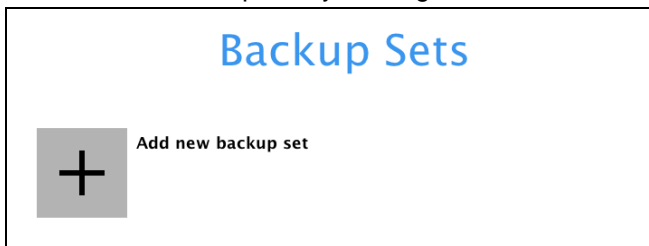


5 Create a Backup Set

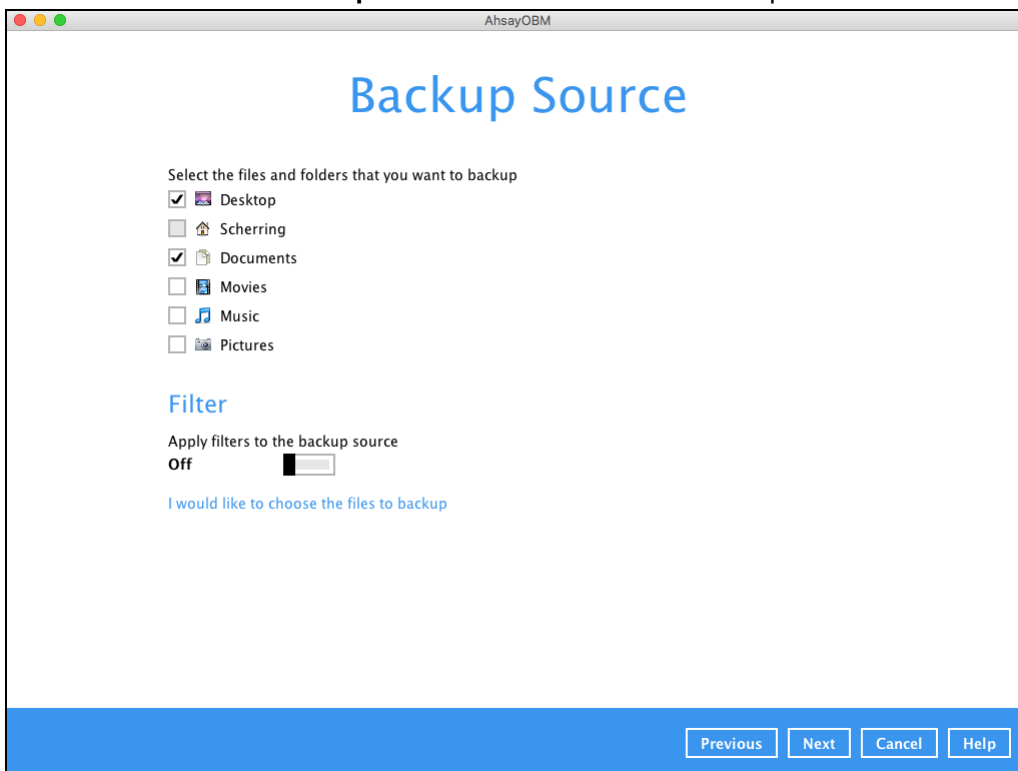
1. Click the **Backup Sets** icon on the main interface of AhsayOBM.



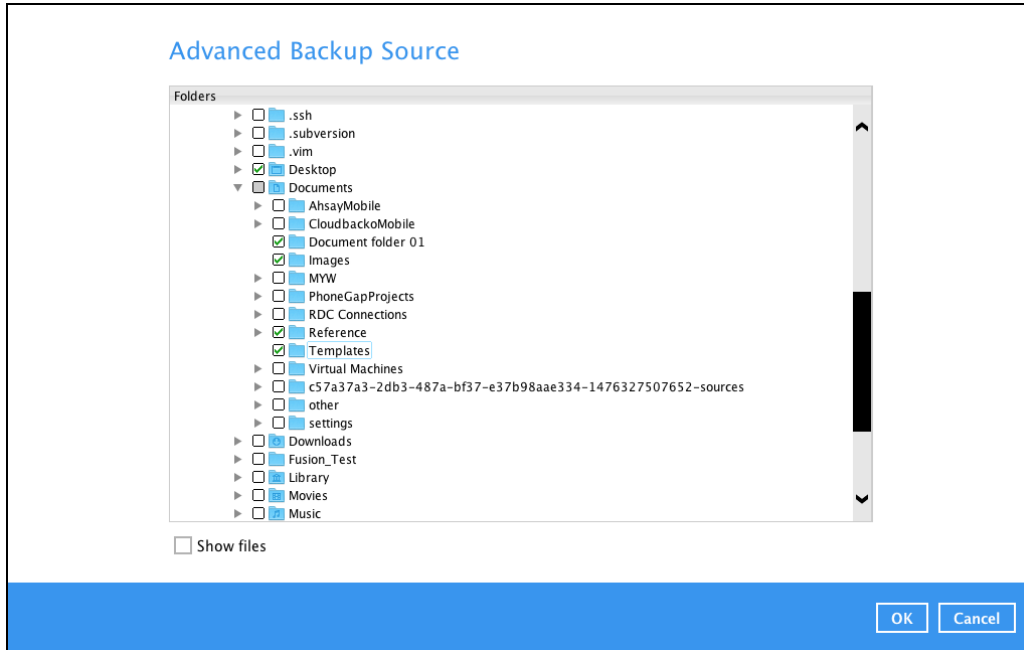
2. Create a new backup set by clicking  next to **Add new backup set**.



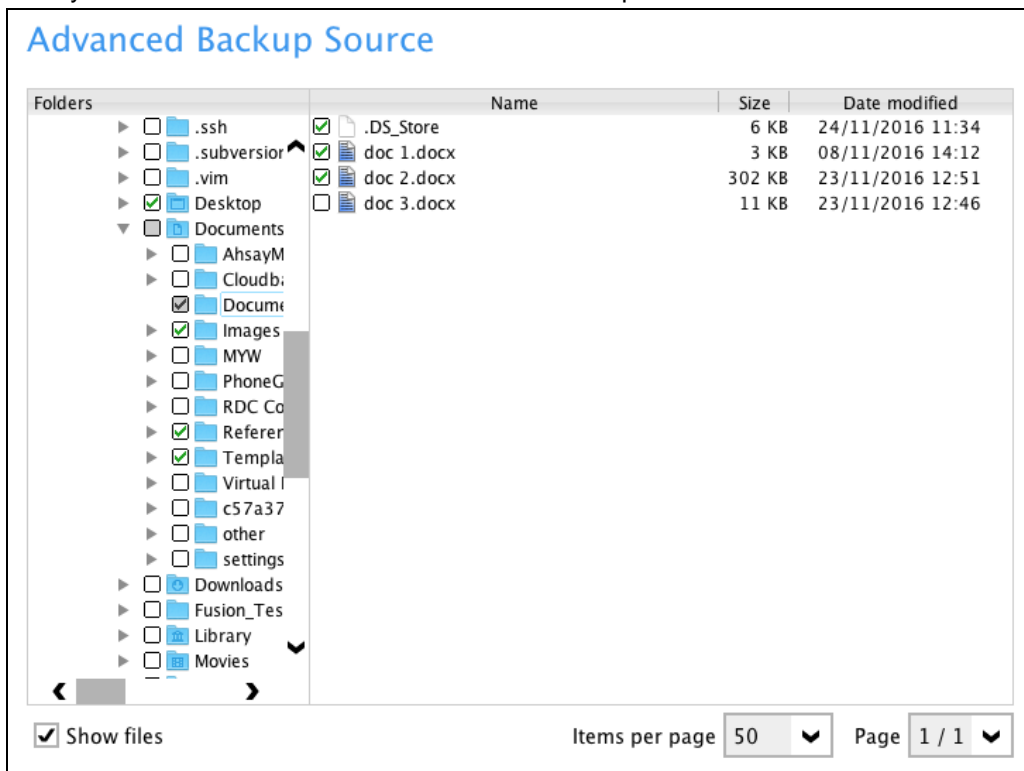
3. When the Create Backup Set window appears, name your new backup set and select the **Backup set type**. Then, click **Next** to proceed.
4. In the Backup Source window, select the source files and folders for backup. Click **I would like to choose the files to backup** to select individual files for backup.



- In the **Advanced Backup Source** window, select folder(s) to back up all files in the folder(s).

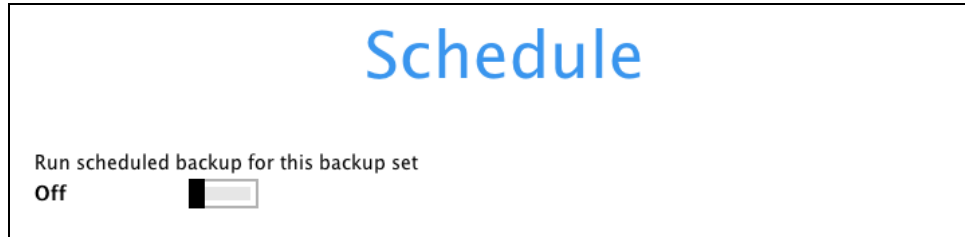


- Alternatively, if you want to back up only specific files instead of all files in your selected folder(s), select the **Show files** checkbox at the bottom of the screen. A list of files will appear on the right hand side. Select the checkbox(es) next to the file(s) to back up. Then, click **OK** to save your selections and close the Advanced Backup Source window.




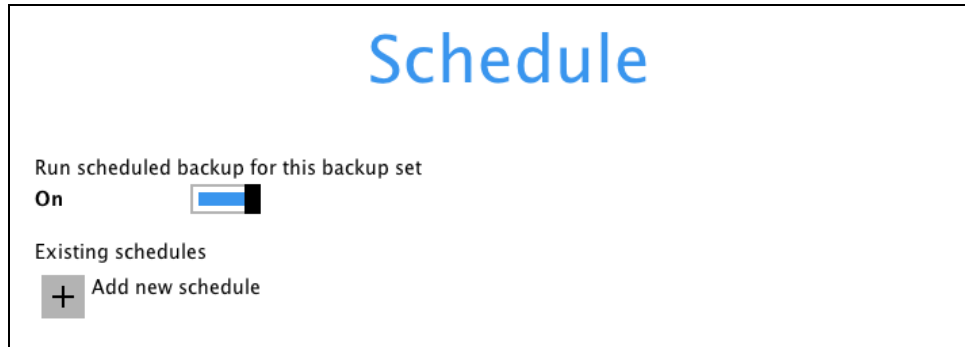
- In the Backup Source window, click **Next** to proceed.
- In the Schedule window, you can configure a backup schedule to automatically run a backup job at your specified time interval. In the Schedule window, the Run scheduled backup for this backup set is **Off** by default.

- You can leave it as is if you want to add a schedule later.



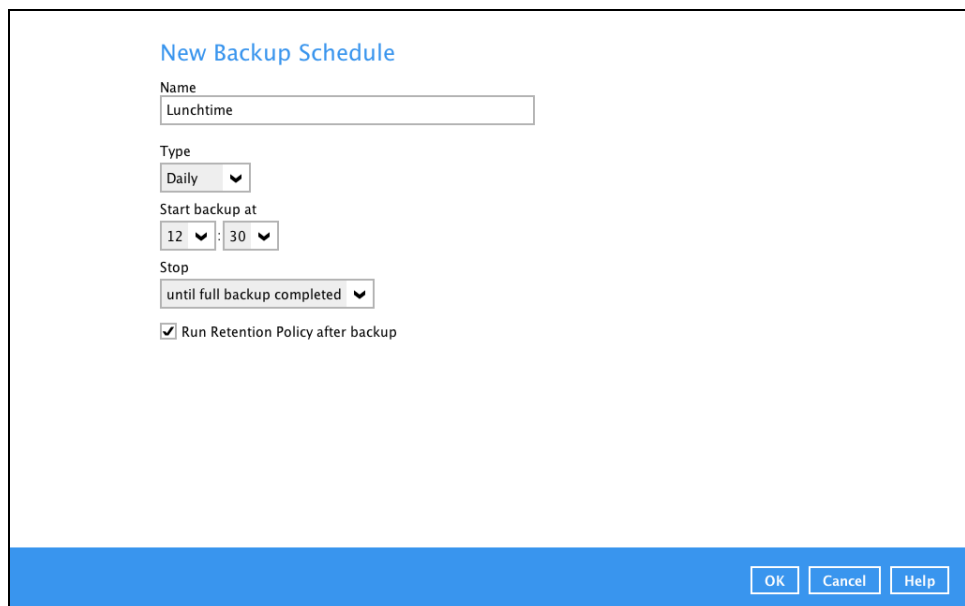
The screenshot shows a window titled "Schedule". Below the title, there is a label "Run scheduled backup for this backup set" followed by a toggle switch set to "Off".

- If you want to add a schedule now, switch **On** Run scheduled backup for this backup set. Then, click  next to **Add New schedule**.



The screenshot shows the same "Schedule" window, but the toggle switch is now set to "On". Below the toggle, there is a section titled "Existing schedules" with a button that has a plus icon and the text "Add new schedule".

When the New Backup Schedule window appears, specify your backup schedule. Then, click **OK** to save your changes and close the New Backup Schedule window.



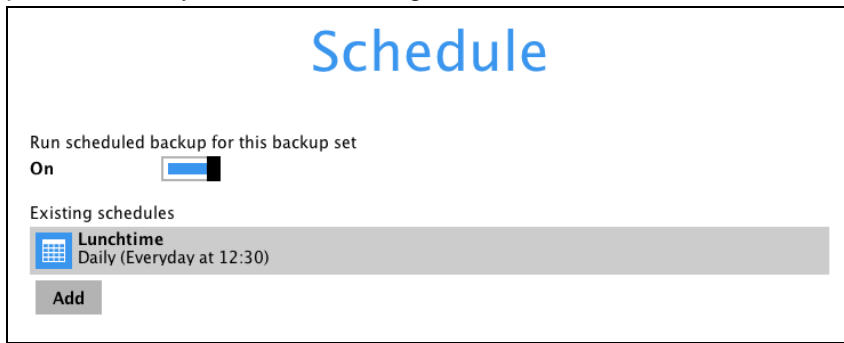
The screenshot shows a window titled "New Backup Schedule". It contains the following fields and options:

- Name:** A text box containing "Lunchtime".
- Type:** A dropdown menu with "Daily" selected.
- Start backup at:** Two dropdown menus showing "12" and "30".
- Stop:** A dropdown menu with "until full backup completed" selected.
- Run Retention Policy after backup:** A checked checkbox.

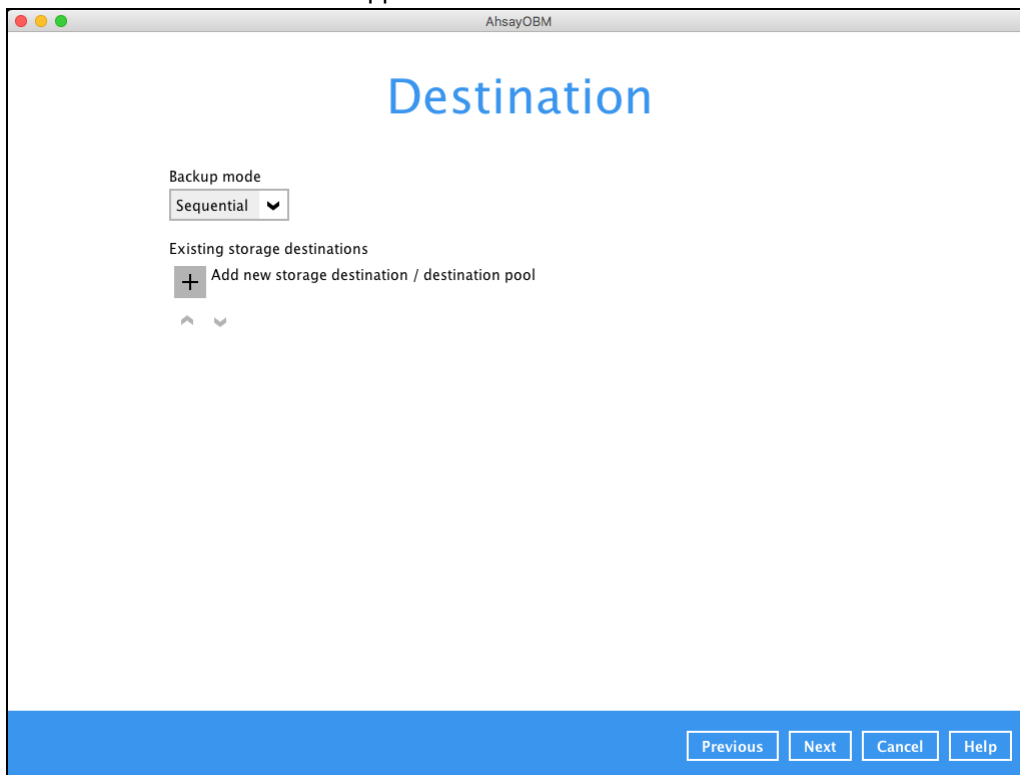
At the bottom right, there are three buttons: "OK", "Cancel", and "Help".

Note: For details about the options from the dropdown menus, please refer to chapter 7 [Configure Backup Schedule for Automated Backup](#).

9. In case you have added a schedule, it will be shown in the Schedule window. Click **Next** to proceed when you are done setting.




10. The **Destination** window will appear.

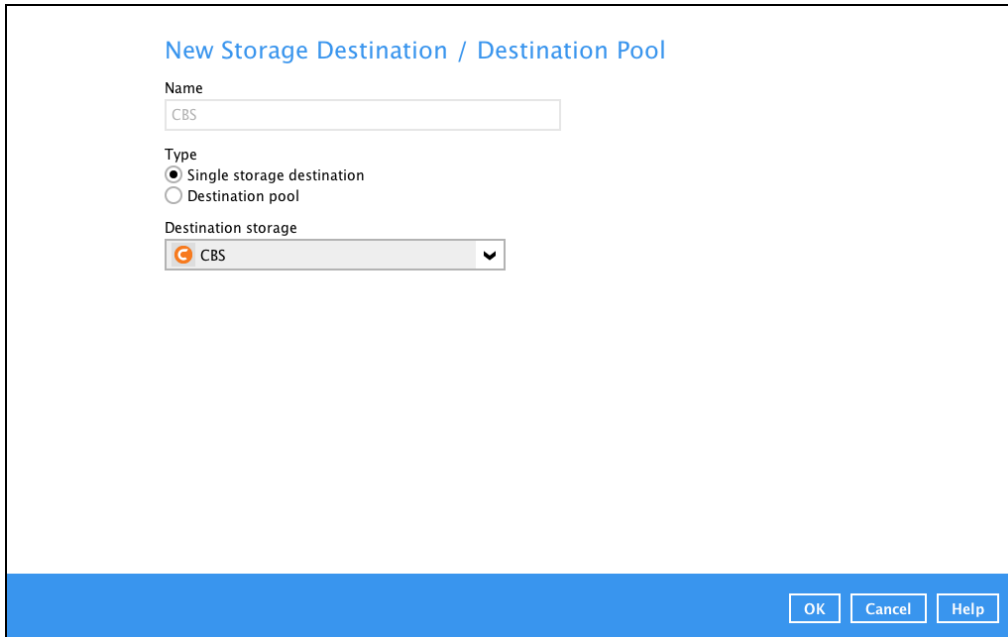


Select the appropriate option from the **Backup mode** dropdown menu.

- ☒ **Sequential** (default value) – run backup jobs to each backup destination one by one
- ☐ **Concurrent** – run backup jobs to all backup destinations at the same time

To select a backup destination for the backup data storage, click  next to **Add new storage destination / destination pool**.

11. In the New Storage Destination / Destination Pool window, select the destination type and destination storage. Then, click **OK** to confirm your selection.



12. In the Destination window, your selected storage destination will be shown. Click **Next** to proceed.

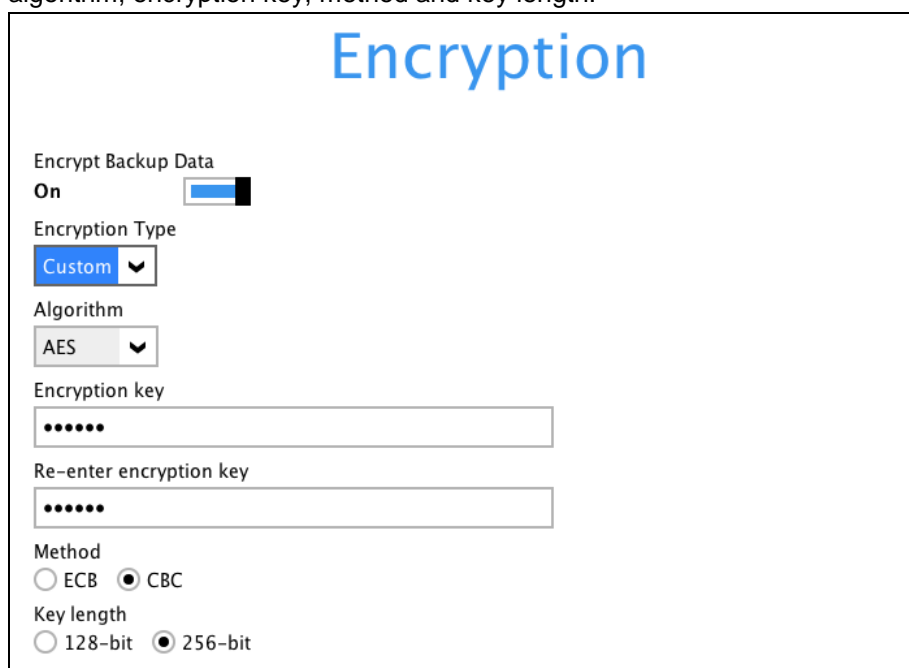


13. In the Encryption window, the default **Encrypt Backup Data** option is enabled with an encryption key preset by the system which provides the most secure protection.



You can choose from one of the following three Encryption Type options:

- **Default** – an encryption key with 44 alpha numeric characters will be randomly generated by the system
- **User password** – the encryption key will be the same as the login password of your AhsayOBM at the time when this backup set is created. Please be reminded that if you change the AhsayOBM login password later, the encryption keys of the backup sets previously created with this encryption type will remain unchanged.
- **Custom** – you can customize your encryption key, where you can set your own algorithm, encryption key, method and key length.



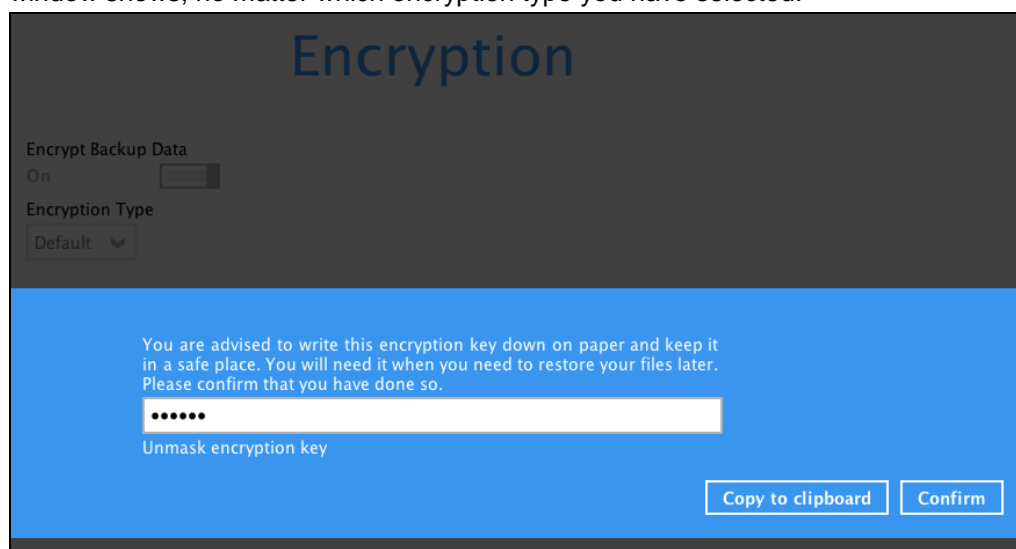
The screenshot shows the 'Encryption' settings window. At the top, the title 'Encryption' is displayed in blue. Below it, the 'Encrypt Backup Data' toggle is set to 'On'. The 'Encryption Type' dropdown is set to 'Custom'. The 'Algorithm' dropdown is set to 'AES'. The 'Encryption key' field is a text input with a masked key (represented by dots). The 'Re-enter encryption key' field is also a text input with a masked key. The 'Method' section has two radio buttons: 'ECB' and 'CBC', with 'CBC' selected. The 'Key length' section has two radio buttons: '128-bit' and '256-bit', with '256-bit' selected.

Note: For best practice on managing your encryption key, refer to the following KB article.

<https://forum.ahsay.com/viewtopic.php?f=169&t=14090>

Click **Next** when you are done setting.

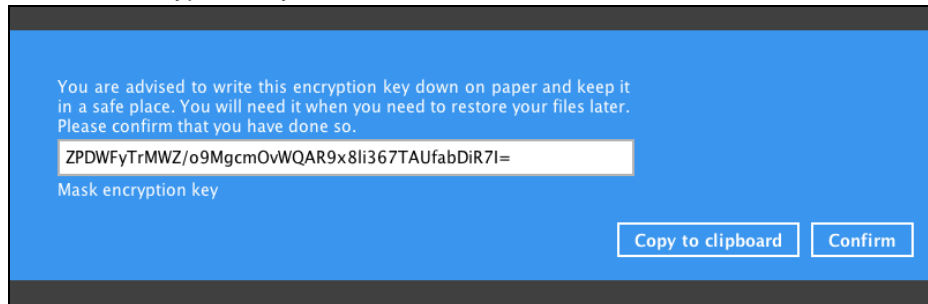
14. If you have enabled the Encryption Key feature in the previous step, the following pop-up window shows, no matter which encryption type you have selected.



The screenshot shows a pop-up window titled 'Encryption'. The background is dark grey. The title 'Encryption' is in large blue font. Below it, the 'Encrypt Backup Data' toggle is set to 'On'. The 'Encryption Type' dropdown is set to 'Default'. The main content area is blue and contains a message: 'You are advised to write this encryption key down on paper and keep it in a safe place. You will need it when you need to restore your files later. Please confirm that you have done so.' Below the message is a text input field with a masked key (represented by dots). Below the input field is the text 'Unmask encryption key'. At the bottom right, there are two buttons: 'Copy to clipboard' and 'Confirm'.

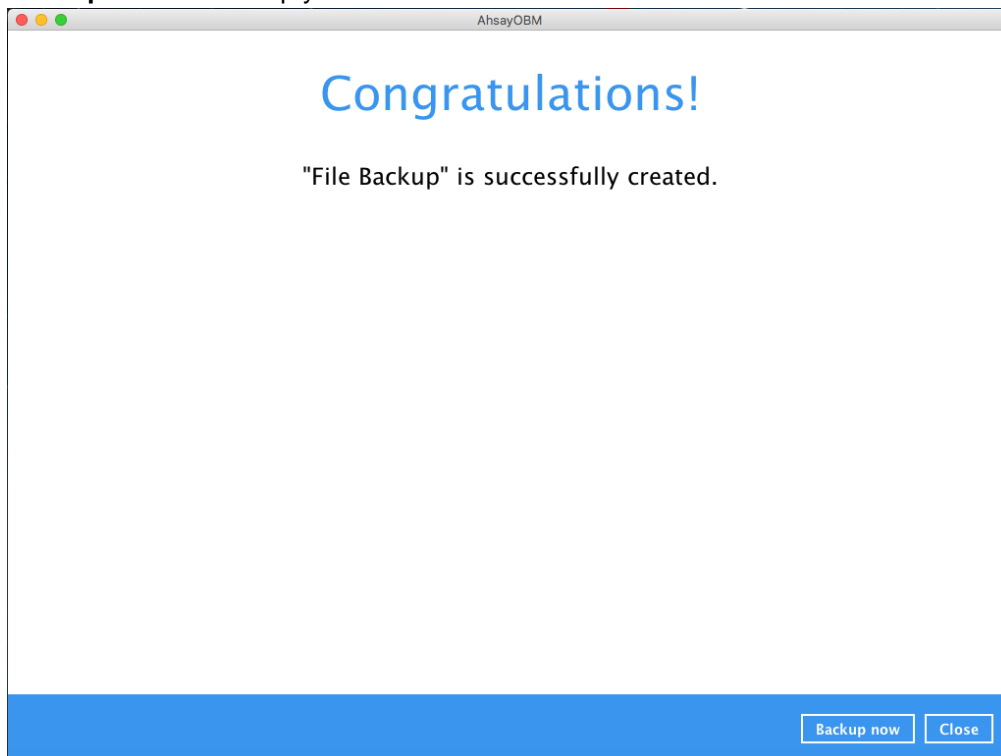
The pop-up window has the following three options to choose from:

- **Unmask encryption key** – The encryption key is masked by default. Click this option to show the encryption key.



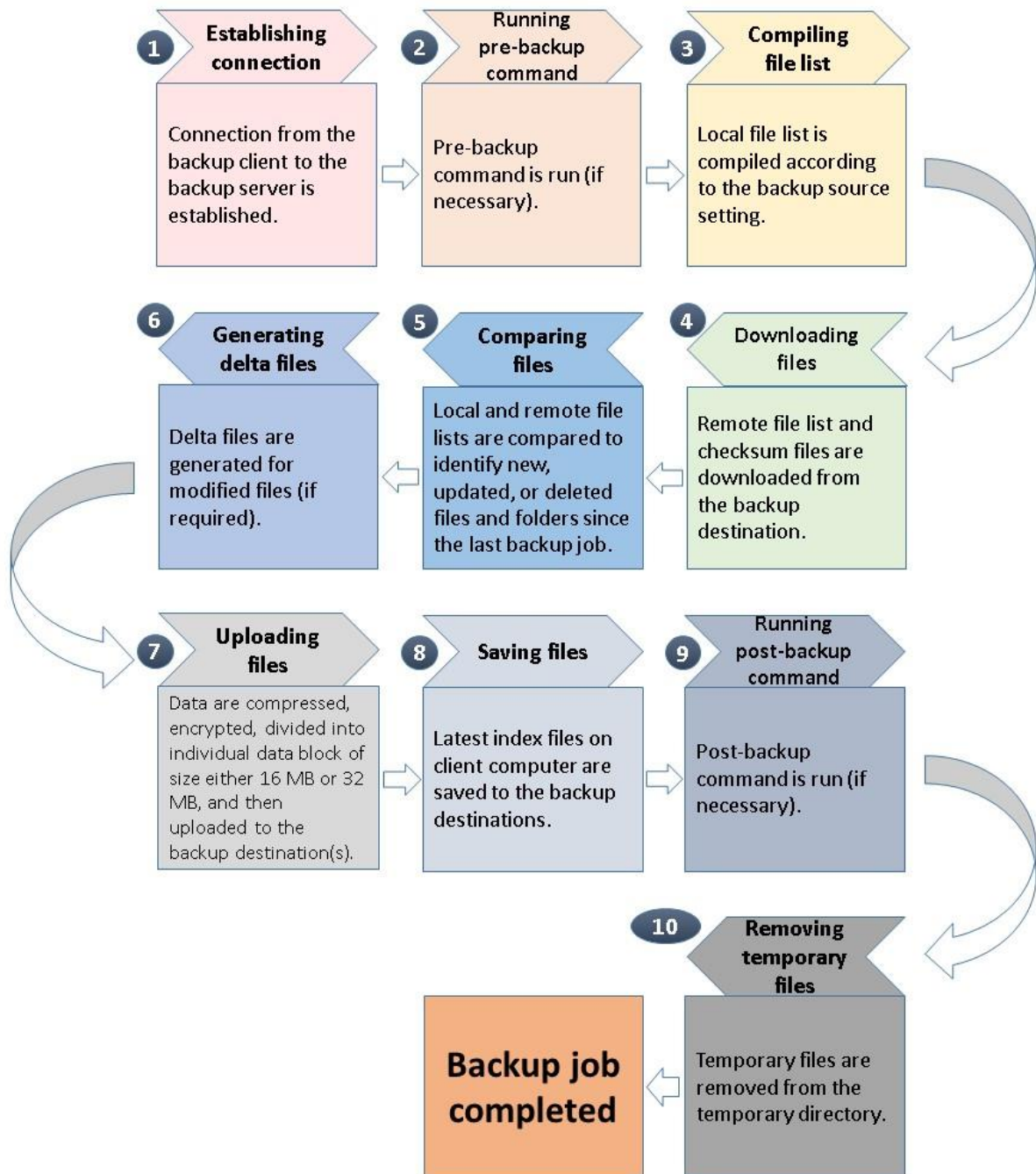
- **Copy to clipboard** – Click to copy the encryption key, then you can paste it in another location of your choice.
- **Confirm** – Click to exit this pop-up window and proceed to the next step.

15. Upon successful creation of the backup set, the following screen will appear. You can click **Backup now** to back up your data or click **Close** to exit.



6 Overview on Backup Process

The following steps are performed during a backup job:



7 Run Backup Jobs

Login to AhsayOBM

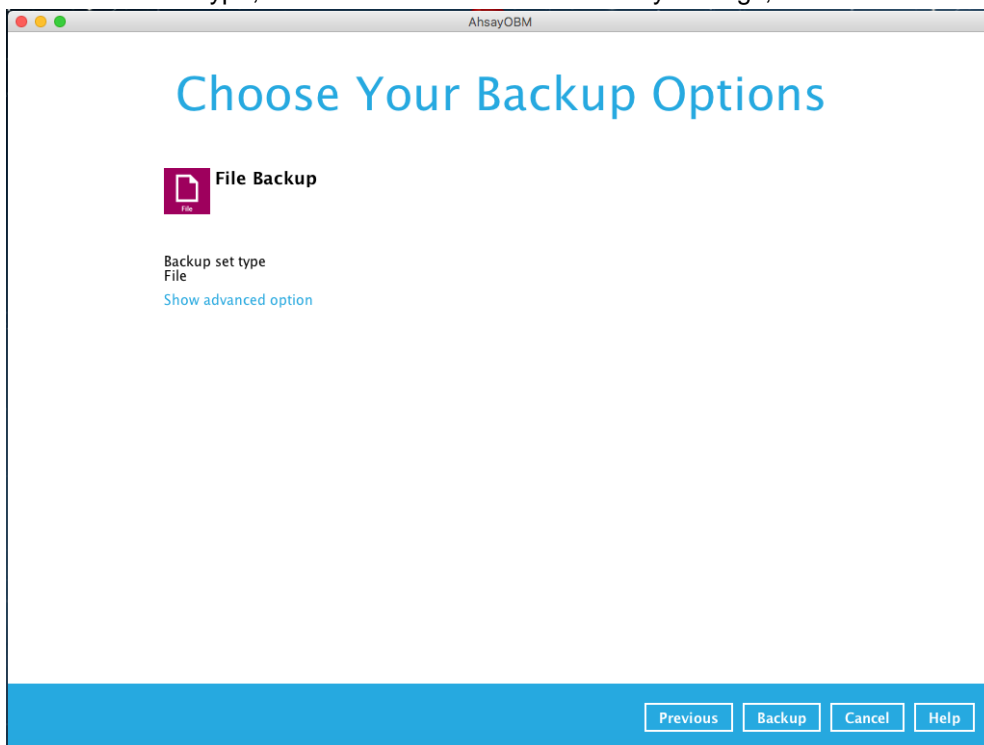
Login to the AhsayOBM application according to the instructions in chapter 4 [Login to AhsayOBM](#).

Start a Manual Backup

1. Click **Backup** on the main interface of AhsayOBM.




2. Select the backup set that you would like to start a backup job for. In case you want to modify the In-File Delta type, Destinations and Retention Policy settings, click **Show advanced option**.



3. When advanced options are shown, it is recommended that you tick the checkbox next to **Run Retention Policy after backup** in the Retention Policy section at the bottom. This will help you save hard disk quota in the long run. In the In-File Delta type section, the following three options are available:

Backup set type
File


In-File Delta type
☒ Full
☐ Differential
☐ Incremental

Destinations
☒  CBS (Host: 10.3.1.8:443)

Retention Policy
☒ Run Retention Policy after backup



[Hide advanced option](#)

- **Full** – A full backup captures all the data that you want to protect. When you run a backup job for the first time, AhsayOBM will run a full backup regardless of the in-file delta setting.
 - **Differential** – A differential backup captures only the changes made as compared with the last uploaded full file only (i.e. changes since the last full backup, not since the last differential backup).
 - **Incremental** – An incremental backup captures only the changes made as compared with the last uploaded full or delta file (i.e. changes since the last incremental backup).
4. Click **Backup** to start the backup job. The status will be shown.


 CBS (Host: 10.3.1.8:443)

Downloading server file list... Completed

Estimated time left 0 sec
Backed up 0 (0 file, 0 directory, 0 link)
Elapsed time 2 sec
Transfer rate 0bit/s



 


5. When the backup is completed, the progress bar will be green in color and the message “Backup Completed Successfully” will appear.

 CBS (Host: 10.3.1.8:443)

Total Moved Files = 0

Estimated time left 0 sec
Backed up 2.94M (99 files, 33 directories, 0 link)
Elapsed time 16 sec
Transfer rate 686.95kbit/s

6. You can click the  **View** icon on the right hand side to check the log. A window will pop up to show the log. Close the pop-up window when you finish reading it.

Show All

Type	Log	Time
	Start [Mac OS X 10.11.1 (Scherrings-Mac-mini), AhsayACB v7.9.0.0]	24/11/2016 15:12:17
	Saving encrypted backup set encryption keys to server...	24/11/2016 15:12:23
	Start Backup ... [In-File Delta: Full]	24/11/2016 15:12:23
	Using Temporary Directory /Users/Scherring/temp/1479952176042/OBS@1479970446499	24/11/2016 15:12:23
	Downloading server file list...	24/11/2016 15:12:23
	Downloading server file list... Completed	24/11/2016 15:12:27
	Reading backup source from hard disk...	24/11/2016 15:12:30
	Reading backup source from hard disk... Completed	24/11/2016 15:12:30
	[New Directory]... /	24/11/2016 15:12:30
	[New Directory]... /Users	24/11/2016 15:12:30
	[New Directory]... /Users/Scherring	24/11/2016 15:12:30
	[New Directory]... /Users/Scherring/Desktop	24/11/2016 15:12:30
	[New Directory]... /Users/Scherring/Documents	24/11/2016 15:12:30
	[New Directory]... /Users/Scherring/Documents/Document folder 01	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Documents/Templates	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Documents/Reference	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Documents/Images	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Desktop/=====	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Desktop/===== /Scherring	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Desktop/===== /Scherring/Desktop	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Desktop/===== /Scherring/Desktop/Sample_Test_Data	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Desktop/===== /Scherring/Desktop/Sample_Test_Data/Internationalization	24/11/2016 15:12:31
	[New Directory]... /Users/Scherring/Desktop/===== /Scherring/Desktop/Sample_Test_Data/Internationalization/Intè...	24/11/2016 15:12:31
	[New Directory]... /Users/Scherrina/Desktop/CBK Mobile App Certs	24/11/2016 15:12:31

Logs per page 50

Page 1 / 4

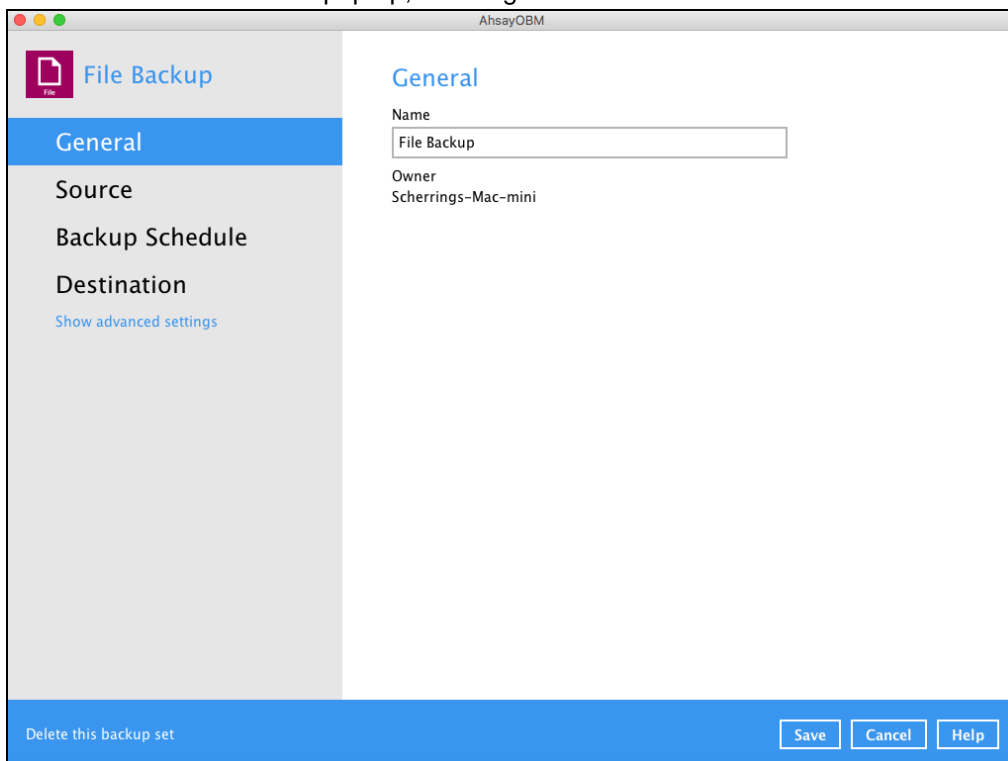
Close

Configure Backup Schedule for Automated Backup

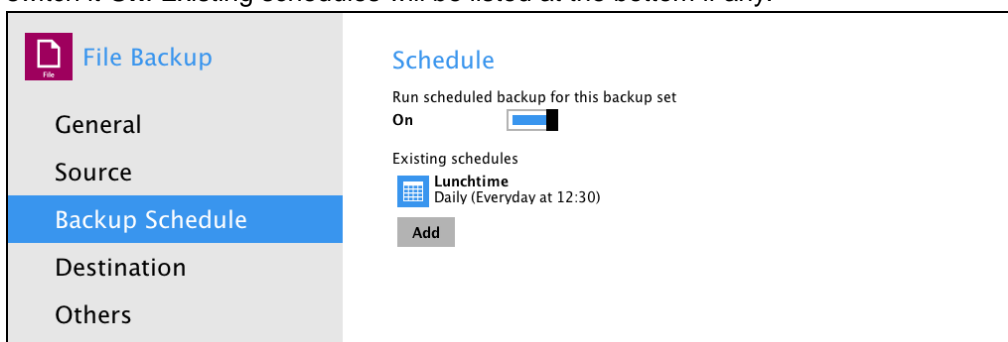
1. Click **Backup Sets** on the AhsayOBM main interface.



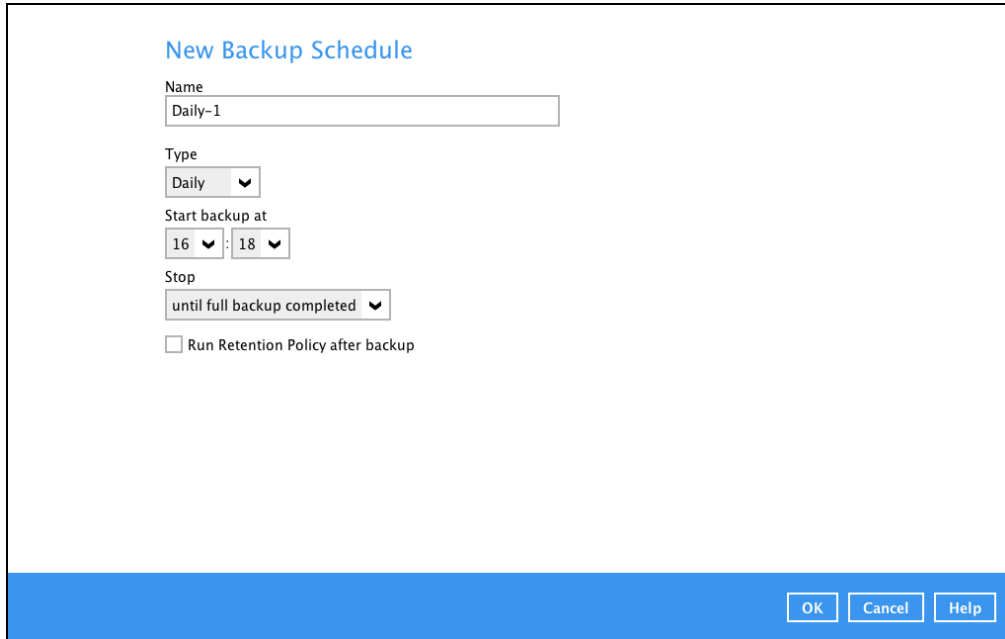
2. All backup sets will be listed. Select the backup set that you would like to create a backup schedule for. A screen will pop up, showing the General tab.



3. Go to the **Backup Schedule** tab. In case Run scheduled backup for this backup set is off, switch it **On**. Existing schedules will be listed at the bottom if any.



4. Click **Add** to add a backup schedule. The New Backup Schedule window will appear.



New Backup Schedule

Name
Daily-1

Type
Daily

Start backup at
16 : 18

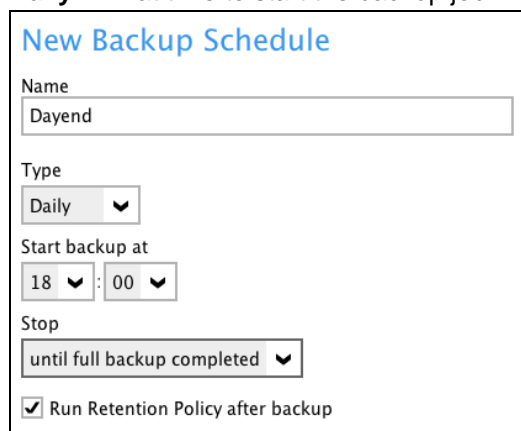
Stop
until full backup completed

☐ Run Retention Policy after backup

OK Cancel Help

5. In the New Backup Schedule window, you can configure your backup schedule settings. To save hard disk quota in the long run, it is recommended that you tick the checkbox next to **Run Retention Policy after backup** at the bottom. The rest of the setting options will vary by which option you choose from the **Type** dropdown menu:

• **Daily** – what time to start the backup job



New Backup Schedule

Name
Dayend

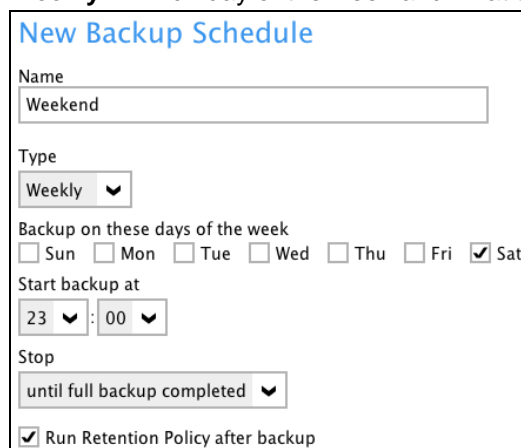
Type
Daily

Start backup at
18 : 00

Stop
until full backup completed

☒ Run Retention Policy after backup

• **Weekly** – which day of the week and what time that day to start the backup job



New Backup Schedule

Name
Weekend

Type
Weekly

Backup on these days of the week
☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☒ Sat

Start backup at
23 : 00

Stop
until full backup completed

☒ Run Retention Policy after backup

- **Monthly** – which day of the month and what time that day to start the backup job

New Backup Schedule

Name
Monthly Closing

Type
Monthly

Backup on the following day every month

☒ Day Last

☐ First Sunday

Start backup at
23 : 59 on the selected days

Stop
until full backup completed

☒ Run Retention Policy after backup

- **Custom** – which particular date to start a one-off backup job

New Backup Schedule

Name
New Year Eve

Type
Custom

Backup on the following day once

2016 December 31

Start backup at
23 : 59

Stop
until full backup completed

☒ Run Retention Policy after backup

The **Stop** dropdown menu offers two options:

- **until full backup completed** – in case you prefer a complete backup

Stop

until full backup completed

until full backup completed

after

- **after [how many] hr** – in case you prefer the backup job to stop after a certain number of hours regardless of whether or not the backup job is complete

Stop

after 1 hr






As an example, the four types of backup schedules may look like the following.

Schedule

Run scheduled backup for this backup set

On ☐

Existing schedules

-  **Lunchtime**
Daily (Everyday at 12:30)
-  **Dayend**
Daily (Everyday at 18:00)
-  **Weekend**
Weekly – Saturday (Every week at 23:00)
-  **Monthly Closing**
Monthly – The Last Day (Every month at 23:59)
-  **New Year Eve**
Custom (2016-12-31 at 23:59)

Add

- Click **Save** to confirm your settings. Then, click **Close** to exit Backup Sets.

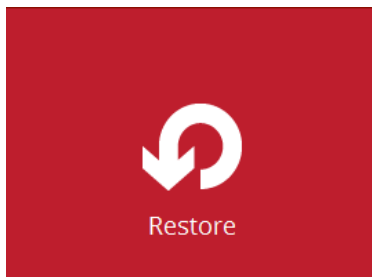
8 Restore Data

Login to AhsayOBM

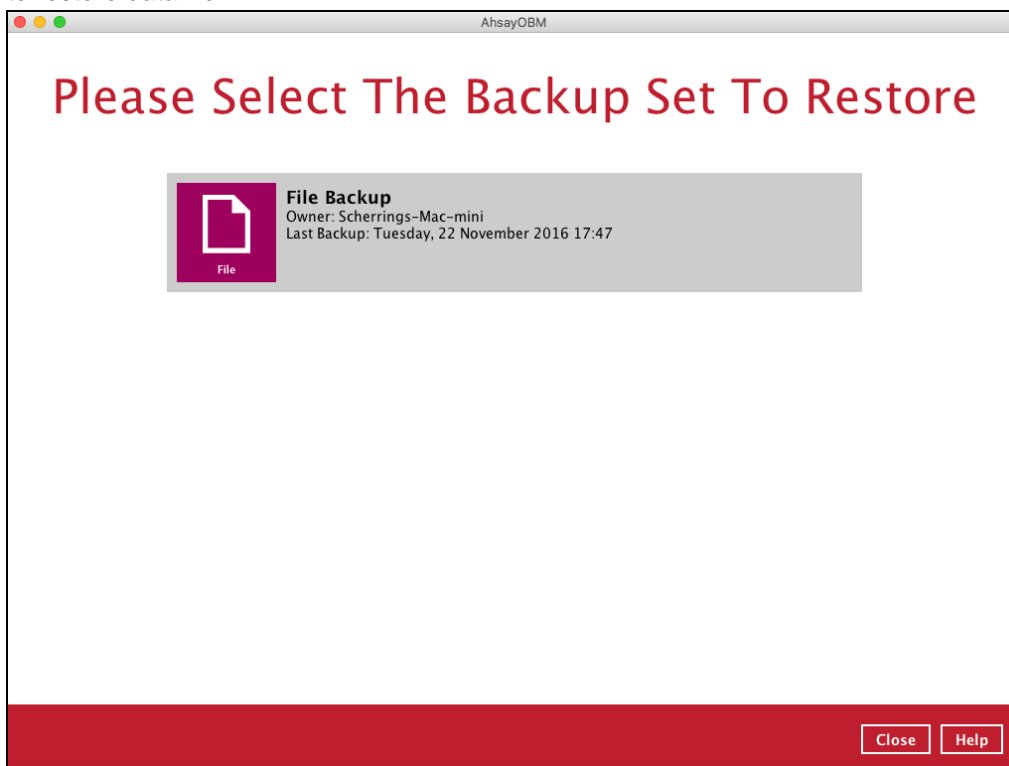
Login to the AhsayOBM application according to the instructions in [Login to AhsayOBM](#).

Restore Data

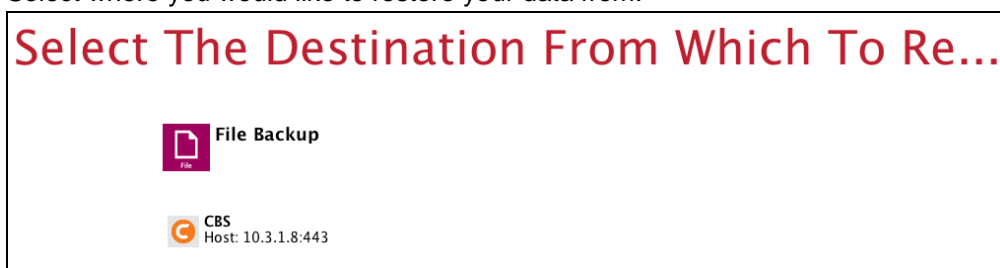
1. Click the **Restore** icon on the main interface of AhsayOBM.



2. All the available backup sets for restore will be listed. Select the backup set that you would like to restore data from.



3. Select where you would like to restore your 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** dropdown menu:

- **Choose from files as of job** – This option allows you to select a backup version from a specific date and time to restore.

Select what to restore

Choose from files as of job ▼ 24/11/2016 ▼ Latest ▼

Choose from files as of job

Choose from ALL files

Name

Select what to restore

Choose from files as of job ▼ 24/11/2016 ▼ Latest ▼

Show filter

24/11/2016

23/11/2016

22/11/2016

Folders

▼ CBS

▼ /

Select what to restore

Choose from files as of job ▼ 24/11/2016 ▼ Latest ▼

Show filter

Latest

10:52

10:49

09:43

Folders

▼ CBS

▼ /

► Users

Name

- **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.

Select Your Files To Be Restored

Select what to restore

Choose from ALL files ▼

Show filter

Folders	Name	Size	Date modified
▼ CBS	<input type="checkbox"/> File 1.rtf	449 b...	25/11/2016 09:47
▼ /	<input type="checkbox"/> File 1.rtf	439 b...	25/11/2016 09:45
▼ Users	<input type="checkbox"/> File 1.rtf	430 b...	25/11/2016 09:42
▼ Scherring	<input type="checkbox"/> File 1.rtf	426 b...	25/11/2016 09:34
► Desktop			
▼ Documents			
Files 01			
MYW			

The following is an example showing all the available backup versions of the file **File 1.rtf**. 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.

	Name	Size	Date modified
<input type="checkbox"/>	File 1.rtf	449 b...	25/11/2016 09:47
<input type="checkbox"/>	File 1.rtf	439 b...	25/11/2016 09:45
<input type="checkbox"/>	File 1.rtf	430 b...	25/11/2016 09:42
<input type="checkbox"/>	File 1.rtf	426 b...	25/11/2016 09:34

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.

<< Common ▶ KMT ▶ Steven ▶ Others ▶ File Snapshot		
	Name	Date modified
<input type="checkbox"/>	File snapshot testing	11/7/2016 6:54 PM
<input type="checkbox"/>	File snapshot testing_2016-11-07-18-39-11	11/7/2016 6:39 PM
<input type="checkbox"/>	File snapshot testing_2016-11-07-18-51-55	11/7/2016 6:51 PM
<input type="checkbox"/>	File snapshot testing_2016-11-07-18-53-26	11/7/2016 6:52 PM

5. Click the **Show files** checkbox to select individual files for restoration. 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 AhsayOBM 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 AhsayOBM.

Choose Where The Files To Be Restored

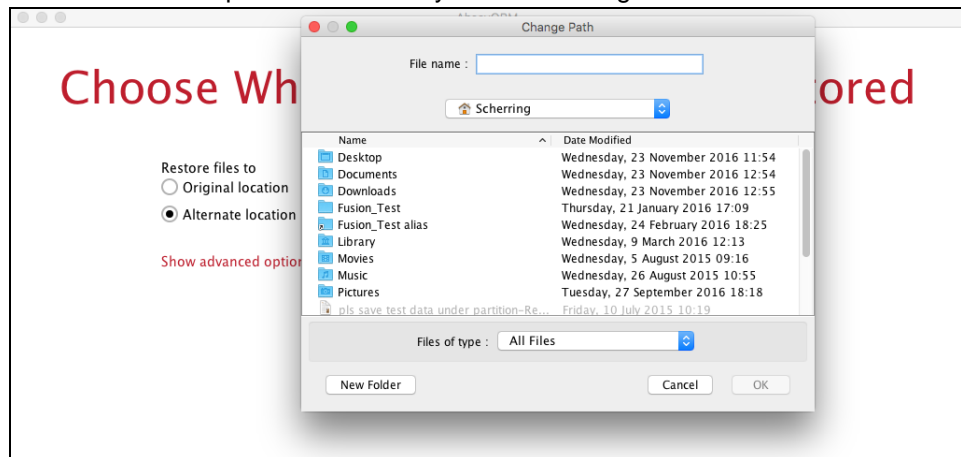
Restore files to

☒ Original location

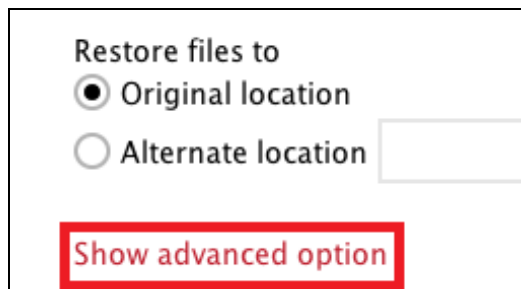
☐ Alternate location

[Show advanced option](#)

- **Alternate location** – you can choose to restore the data to a location of your choice on the computer where AhsayOBM is running.



7. Click **Show advanced option** to configure other restore settings:

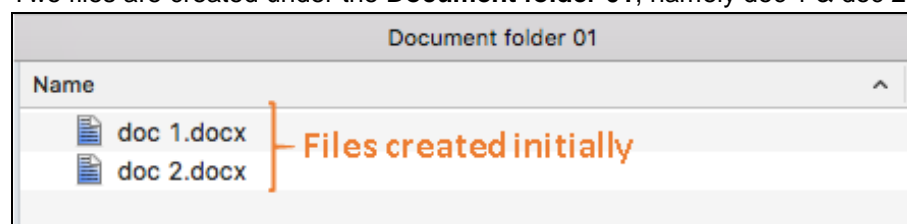


- **Delete extra files**

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:

- Two files are created under the **Document folder 01**, namely doc 1 & doc 2.



- A backup is performed for folder **Document folder 01**.

- iii) Two new files are created, namely doc 3 & doc 4.

Document folder 01	
Name	
doc 1.docx	Files created BEFORE backup
doc 2.docx	
doc 3.docx	Files created AFTER backup
doc 4.docx	

- 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.

Document folder 01	
Name	
doc 1.docx	Files remain after restore
doc 2.docx	

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.

- Click **Next** to proceed when you are done with the settings.
- 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. In case the same directory path does not exist in the computer you are running AhsayOBM, you 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/Scherring/temp

Browse

10. Click **Restore** to start the restore. The status will be shown.

 CBS (Host: 10.3.1.8:443)

Restoring... \\LAUREL\Departments\Customer Services\Common\KMT\Steven\Graphic\...

Estimated time left

0 sec (1.76M)

Restored

1.52M (23 files)


Elapsed time


2 sec

Transfer rate

27.51Mbit/s

11. When the restore is completed, the progress bar will be green in color and the message "Restore Completed Successfully" will appear.

 CBS (Host: 10.3.1.8:443)



✓ Restore Completed Successfully

Estimated time left

0 sec

Restored


8.86k (1 file)

Elapsed time












4 sec

Transfer rate

8.86kbit/s

You can click the  **View** icon on the right hand side to check the log. A window will pop up to show the log. Close the pop-up window when you finish reading it.

Show All

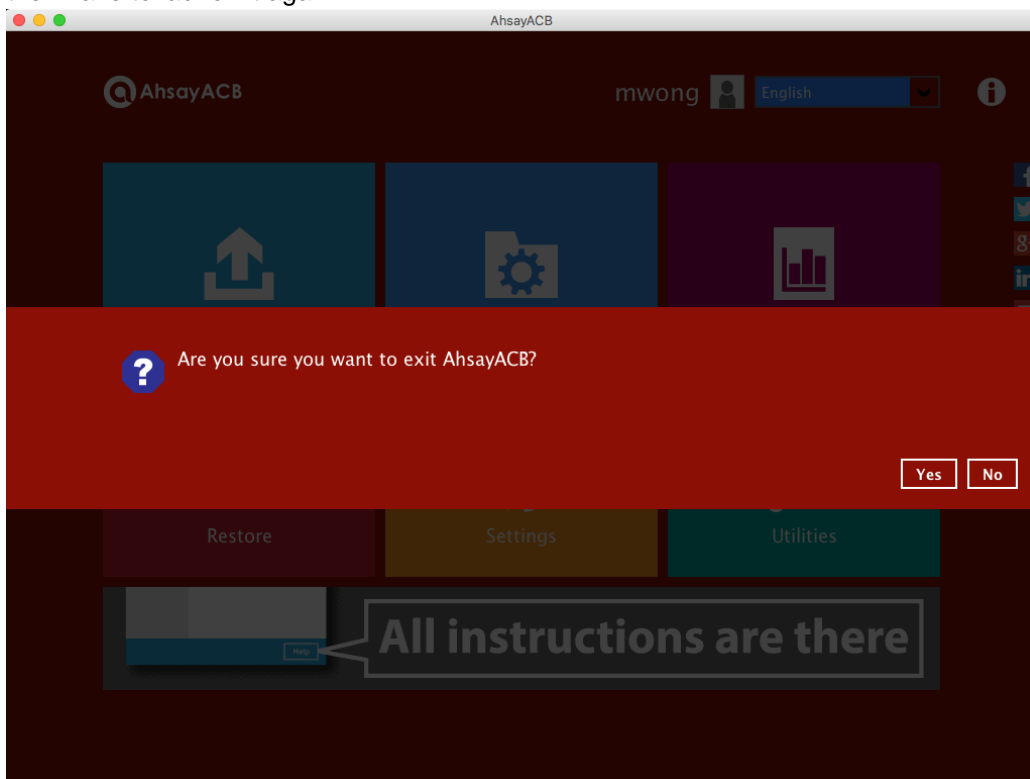
Type	Log	Time
	Start [Mac OS X 10.11.1 (Scherrings-Mac-mini), AhsayOBM v7.9.0.0]	24/11/2016 10:22:46
	Initializing decrypt action...	24/11/2016 10:22:46
	Initializing decrypt action... Completed	24/11/2016 10:22:46
	Downloading... "/Users/Scherring/Documents/Document folder 01/doc 1.docx" (Total 11k bytes)	24/11/2016 10:22:47
	"/Users/Scherring/Documents/Images/pic 1.jpg" contains the same file resource. Skip restore file resource.	24/11/2016 10:22:47
	"/Users/Scherring/Documents/Images/pic 2.jpg" contains the same file resource. Skip restore file resource.	24/11/2016 10:22:47
	"/Users/Scherring/Documents/Images/pic 4.jpg" contains the same file resource. Skip restore file resource.	24/11/2016 10:22:47
	"/Users/Scherring/Documents/Images/pic 3.jpg" contains the same file resource. Skip restore file resource.	24/11/2016 10:22:47
	"/Users/Scherring/Documents/Images" contains the same file resource. Skip restore file resource.	24/11/2016 10:22:47
	"/Users/Scherring/Documents/Document folder 01/doc 1.docx" contains the same file resource. Skip restore file resource.	24/11/2016 10:22:48
	Restore Completed Successfully	24/11/2016 10:22:49

Logs per page 50

Page 1 / 1

12. In the Restore window, click **Cancel** to close the Restore window.

13. To exit AhsayOBM, click the red “x” on the top left corner. A message will appear to ask for your confirmation. Click **Yes** to close the application. If you wish to use the AhsayOBM again, you will then have to launch it again.



9 Contact Ahsay

Technical Assistance

To contact Ahsay support representatives for technical assistance, visit the following website:

<https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp>

Also use the Ahsay Knowledge Base for resource such as Hardware Compatibility List, Software Compatibility List, and other product information:

<https://forum.ahsay.com>

Documentation

Documentations for all Ahsay products are available at:

https://www.ahsay.com/jsp/en/home/index.jsp?pageContentKey=ahsay_downloads_documentation_guides

You can send us suggestions for improvements or report on issues in the documentation, by contacting us at:

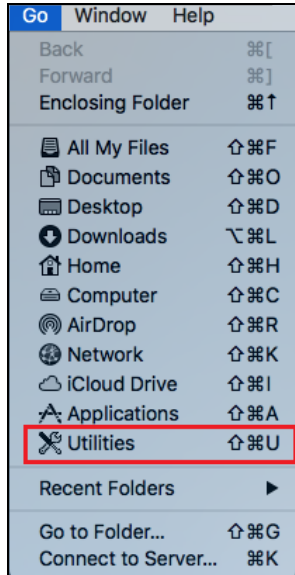
<https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp>

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

Appendix

Uninstall AhsayOBM

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



2. Double click the Terminal.app icon.



Terminal.app

3. Use the command highlighted in **red** to enter the Applications folder.

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

4. Use the command highlighted in **red** to enter the AhsayOBM folder.

```
#[user]-Mac-mini:Applications [user]$ cd AhsayOBM.app/bin  
#[user]-Mac-mini:bin [user]$
```

5. Use the command highlighted in **red** to execute the uninstallation. Enter the password for logging in to your Mac when prompted.

```
#[user]-Mac-mini:bin [user]$sudo sh uninstall.sh  
#Password:
```

6. The following scripts show when the uninstallation is completed.

```
#Shutdown Scheduler for Ahsay Online Backup Manager  
#Wait 5 seconds before Scheduler exits
```

```
#Kill Process by Image
Name:/Applications/AhsayOBM.app/jvm/bin/bJW

#Ignore Process by Image Name:

#Kill Process by Image Name:
/Applications/AhsayOBM.app/jvm/bin/bschJW

#Ignore Process by Image Name:

#Kill Process by Image Name:
/Applications/AhsayOBM.app/jvm/bin/java

#Ignore Process by Image Name:

#Remove LaunchDaemons for com.AhsayOBM.scheduler from service

#Remove AhsayOBM from Your Mac OS X

#[user]-Mac-mini:bin [user]$
```