

Online Backup Manager v8

Quick Start Guide for Synology NAS

23 May 2019

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Revision History

Date	Descriptions	Type of modification
21 January 2019	First Draft	New
11 March 2019	Updated Ch. 2.6 v8 Oracle JDK Requirement, Java memory requirement	Modification
15 May 2019	Added Ch. 6 OBM Overview; Profile, Online Help, Language, Information, Backup, Backup Sets, Report, Restore, Settings, Utilities; Added Ch. 4 OBM Scheduler Service Check	New
23 May 2019	Added Overview in Ch. 1	New

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1 Requirements for OBM on Synology NAS

Hardware Requirements

Certain models of Synology are unable to run OBM. Check with your service provider for clarification.

OBM Installation

The latest version of OBM must be installed on the Synology NAS.

NAS-Synology Add-on Module

The NAS-Synology add-on module is enabled in your OBM user account to cover the backup of your Synology NAS devices. The NAS-Synology add-on module supports the backup of an unlimited number of devices per OBM user account.

Please contact your backup service provider for more details.

Java Requirement

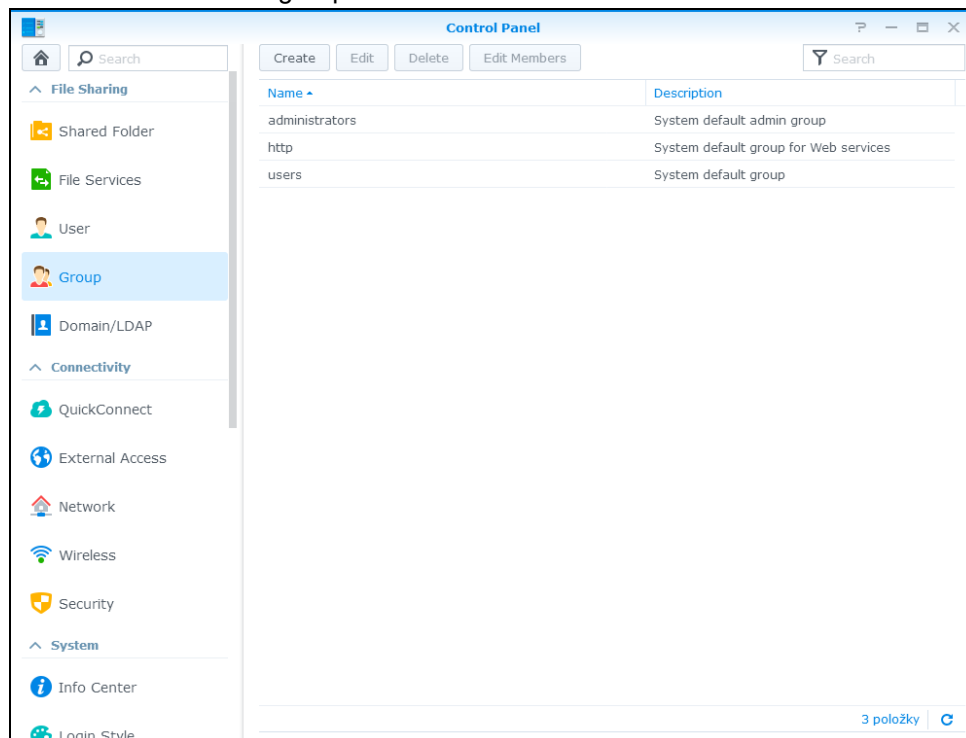
In v8 the Oracle Java JDK files are already included and deployed as part of the OBM installation

Memory Requirement

The default Java heap size of OBM installation on Synology NAS is 256 MB. It is recommended that 1 GB RAM or more is installed for stability and better backup / restore performance.

Synology NAS User Account Permission

The Synology NAS user account used for the OBM installation and application must be a member of **“administrators”** user group.



Synology NAS Trust Level

In the **General** tab, modify the Trust Level setting by choosing **Any publisher**.

Settings

General

Beta

Auto Updates

Package Sources

Certificate

Notification

An email or desktop notification will be sent or displayed when updates are available.

☐

Enable email notification

☐

Enable desktop notification

Trust Level

Allow installation of packages published by:

☐

Synology Inc.

☐

Synology Inc. and trusted publishers

☒

Any publisher

OK

Close

2 Get started with OBM

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

Download and Install

Download and install OBM on your Synology NAS



Launch the App

Launch and log in to OBM



Create a Backup Set

Create a backup set according to your preferences



Run Backup Jobs

Run a backup job to back up your data



Restore Data

Restore your backed up data

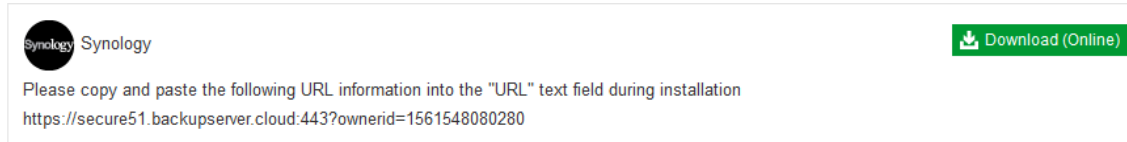
3 Download and Install OBM

Download OBM

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



2. In the **OBM** tab of the download page, you can choose the OBM installer by operating system.
3. In the Synology section, click the **Download** icon to download the OBM installation package.



Install OBM

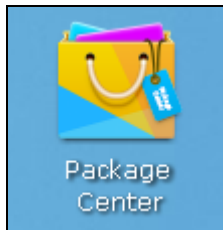
1. Sign into DiskStation Manager (DSM) with the admin account. In a web browser, enter the Synology NAS device IP address, followed by :5000

https://nas_hostname:5000

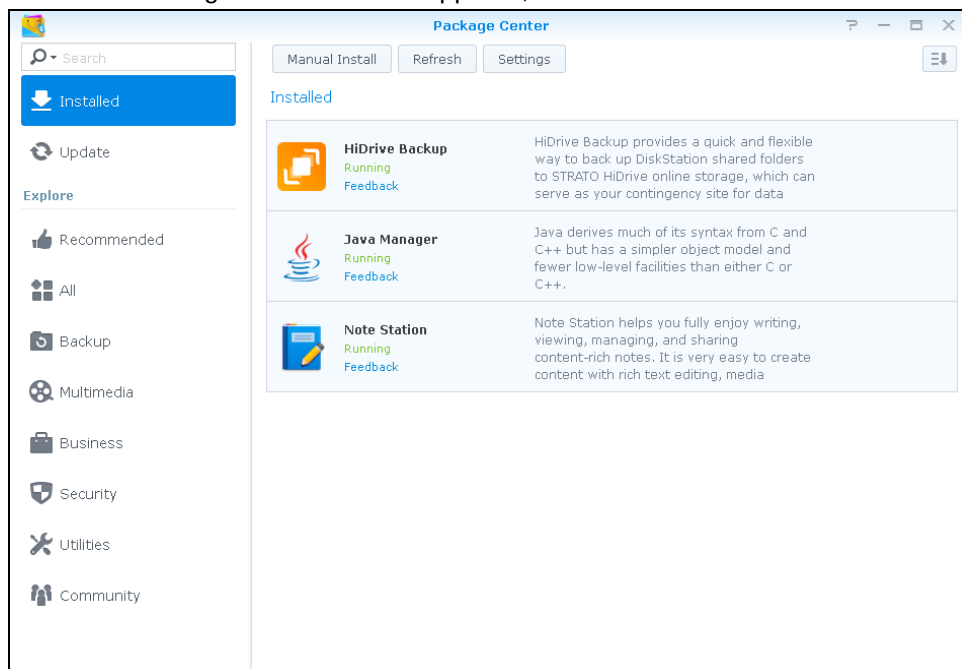
Note: Refer to the following Synology article for information on how to sign into DSM:

https://www.synology.com/en-us/knowledgebase/DSM/help/DSM/MainMenu/get_started

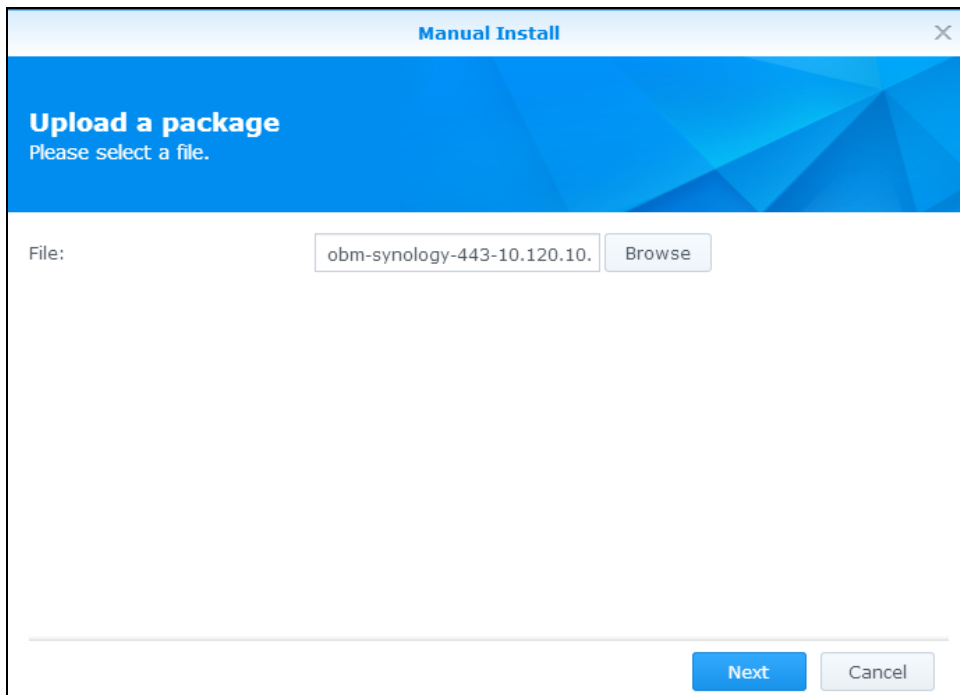
2. To install OBM on Synology NAS, click the Package Center icon from the desktop.



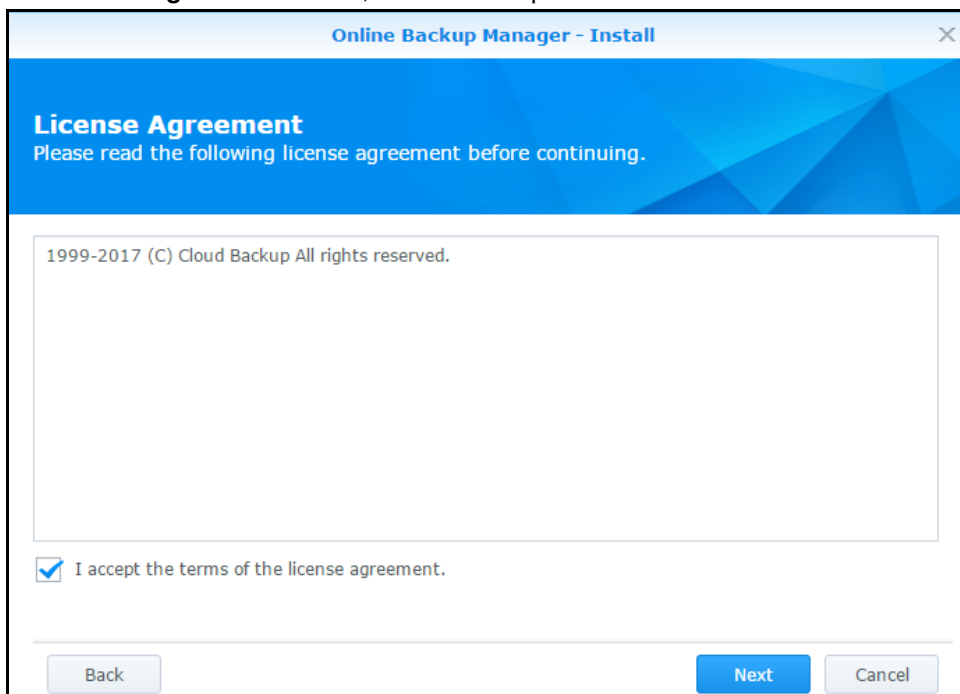
3. When the Package Center window appears, select **Manual Install**.



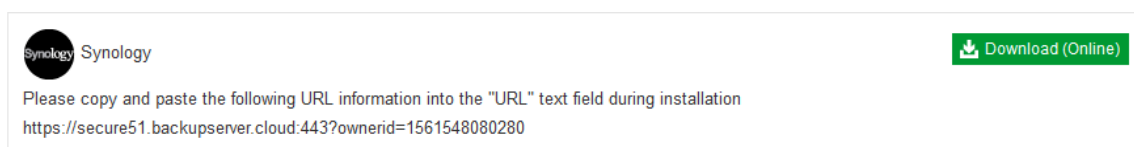
4. When the Manual Install window appears, click **Browse** to select the OBM package file which you have downloaded (e.g. obm-synology-443-backup service provider IP address-https-00.spk). Then, click **Next** to proceed.



5. After reading the License Agreement carefully, tick the checkbox next to **I accept the terms of the license agreement**. Then, click **Next** to proceed.



6. Copy and paste the URL information for installing on Synology shown in the download page. Then, click **Next** to proceed.



Online Backup Manager - Install

Please provide the URL of the CBS

Specify the URL

URL:

Back Next Cancel

7. Review the information on screen. Then, click **Apply** to start the installation of OBM.

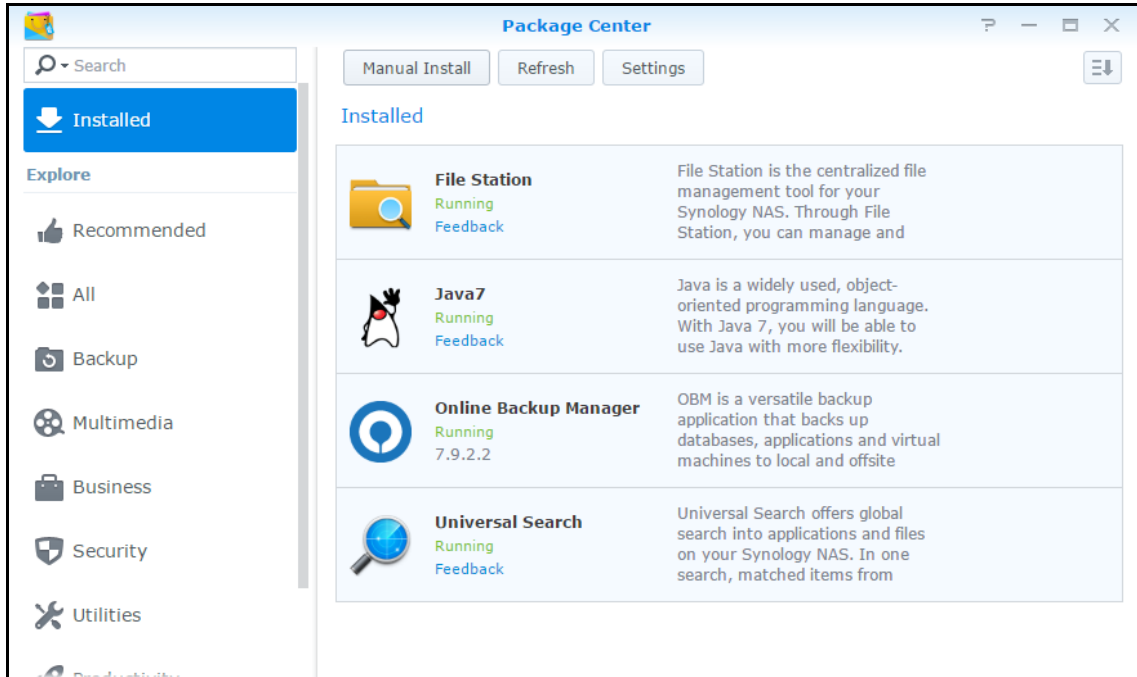
Online Backup Manager - Install

Confirm settings
The wizard will apply the following settings and start updating the package.

Item	Value
Package name	Online Backup Manager
Newest version	7.9.2.2
Developer	Cloud Backup
Description	OBM is a versatile backup application that backs up databases, applications and virtual machines to local and offsite destinations, e.g. local hard disk, on-premises backup appliance, and backup server located in datacenter.

Back Apply Cancel

8. Upon successful installation, Online Backup Manager will be listed in the Installed packages.



9. You can click the Main Menu icon on the top left corner of your desktop.



10. You can click the OBM icon to launch the application.



11. Revert the Trust Level to the previous setting in Package Center afterward.
12. Refer to [Pre-install Requirement](#) for instructions.

OBM Scheduler Service Check

This option is used to kick automated or scheduled backup jobs. To start, login to Synology NAS device using ssh client, i.e. putty.

Go to the **/volume1/@appstore/OBM/obm/bin** directory.

To **check** if the OBM scheduler service is running, use the **ps** command.

Scheduler service is running, highlighted in **red**.

```
login as: admin
admin@10.3.0.116's password:
admin@dev-ds215j:~$ cd /volume1/@appstore/OBM/obm/bin
admin@dev-ds215j:/volume1/@appstore/OBM/obm/bin$ ps -ef|grep java
root 15083 1 0 May14 ? 00:03:05 /volume1/@appstore/OBM/obm/jvm/bin/java -
Xrs -Xms64m -Xmx373m -Dsun.nio.PageAlignDirectMemory=true -
Djava.library.path=. -cp ../cb.jar WuiService
/volume1/@appstore/OBM/obm/volume1/@appstore/OBM/.obm --port=32168
admin 16343 15411 0 08:56 pts/3 00:00:00 grep --color=auto java
admin 20925 1 1 May14 ? 00:11:46 /volume1/@appstore/OBM/obm/jvm/bin/java -
Xms64m -Xmx256m -Dsun.nio.PageAlignDirectMemory=true -Djava.library.path=.
-cp ../cbs.jar cbs /volume1/@appstore/OBM/obm
```

To manually **stop** the scheduler service, use the **touch /volume1/@appstore/AhsayOBM/obm/ipc/Scheduler/stop** script.

Use the **ps** command again.

```
admin@dev-ds215j:/volume1/@appstore/OBM/obm/bin$ touch
/volume1/@appstore/OBM/obm/ipc/Scheduler/stop
admin@dev-ds215j:/volume1/@appstore/OBM/obm/bin$ ps -ef|grep java
root 15083 1 0 May14 ? 00:03:05 /volume1/@appstore/OBM/obm/jvm/bin/java -
Xrs -Xms64m -Xmx373m -Dsun.nio.PageAlignDirectMemory=true -
Djava.library.path=. -cp ../cb.jar WuiService /volume1/@appstore/OBM/obm
/volume1/@appstore/OBM/.obm --port=32168
admin 16479 15411 0 08:58 pts/3 00:00:00 grep --color=auto java
```

To manually **start** the scheduler service, use **/volume1/@appstore/OBM/bin/Scheduler.sh** script and use the **ps** command.

Scheduler service is running, highlighted in **red**.

```
admin@dev-ds215j:/volume1/@appstore/OBM/obm/bin$
/volume1/@appstore/OBM/obm/bin/Scheduler.sh
admin@dev-ds215j:/volume1/@appstore/OBM/obm/bin$ ps -ef|grep java
root 15083 1 0 May14 ? 00:03:05 /volume1/@appstore/OBM/obm/jvm/bin/java -
Xrs -Xms64m -Xmx373m -Dsun.nio.PageAlignDirectMemory=true -
Djava.library.path=. -cp ../cb.jar WuiService /volume1/@appstore/OBM/obm
/volume1/@appstore/OBM/.obm --port=32168
admin 16583 1 8 08:58 pts/3 00:00:16
/volume1/@appstore/OBM/obm/jvm/bin/java -Xms64m -Xmx256m -
```

```
Dsun.nio.PageAlignDirectMemory=true -Djava.library.path=. -cp ../cbs.jar  
cbs /volume1/@appstore/OBM/obm  
admin 16962 15411 0 09:02 pts/3 00:00:00 grep --color=auto java
```

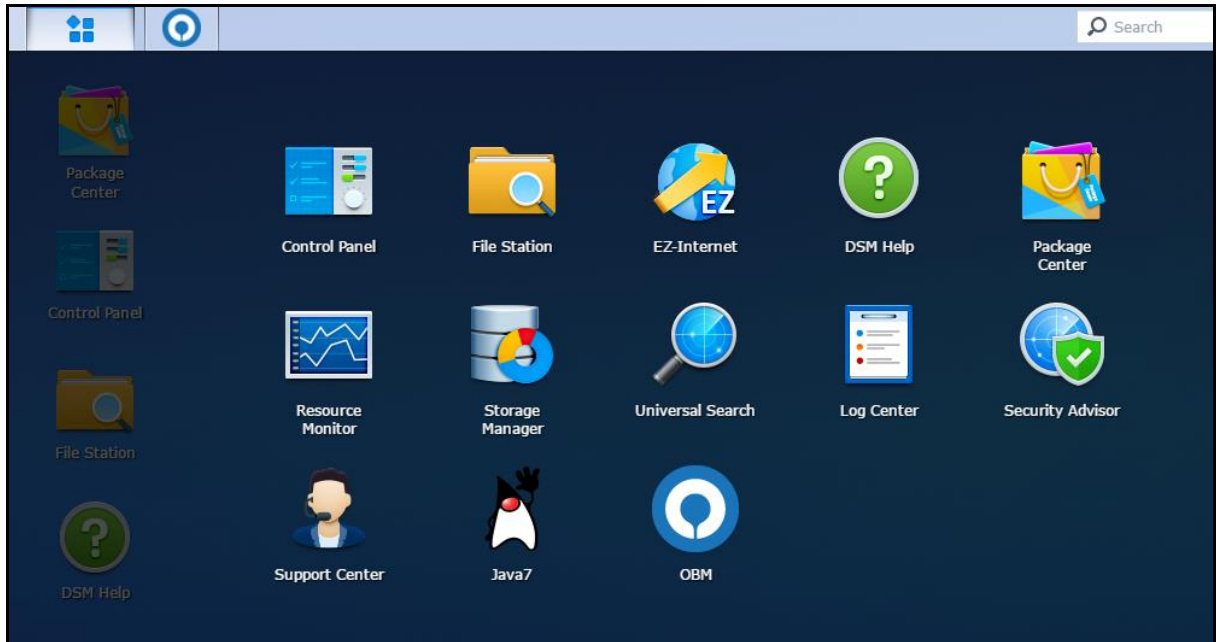
4 Start OBM

Add an OBM Shortcut Icon to the Desktop

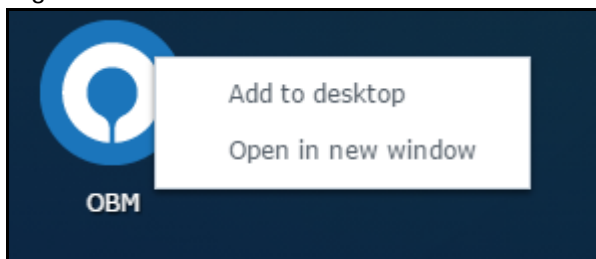
1. In the DiskStation Manager (DSM) console, click the **Main Menu** icon on the top left corner of the desktop to open it.



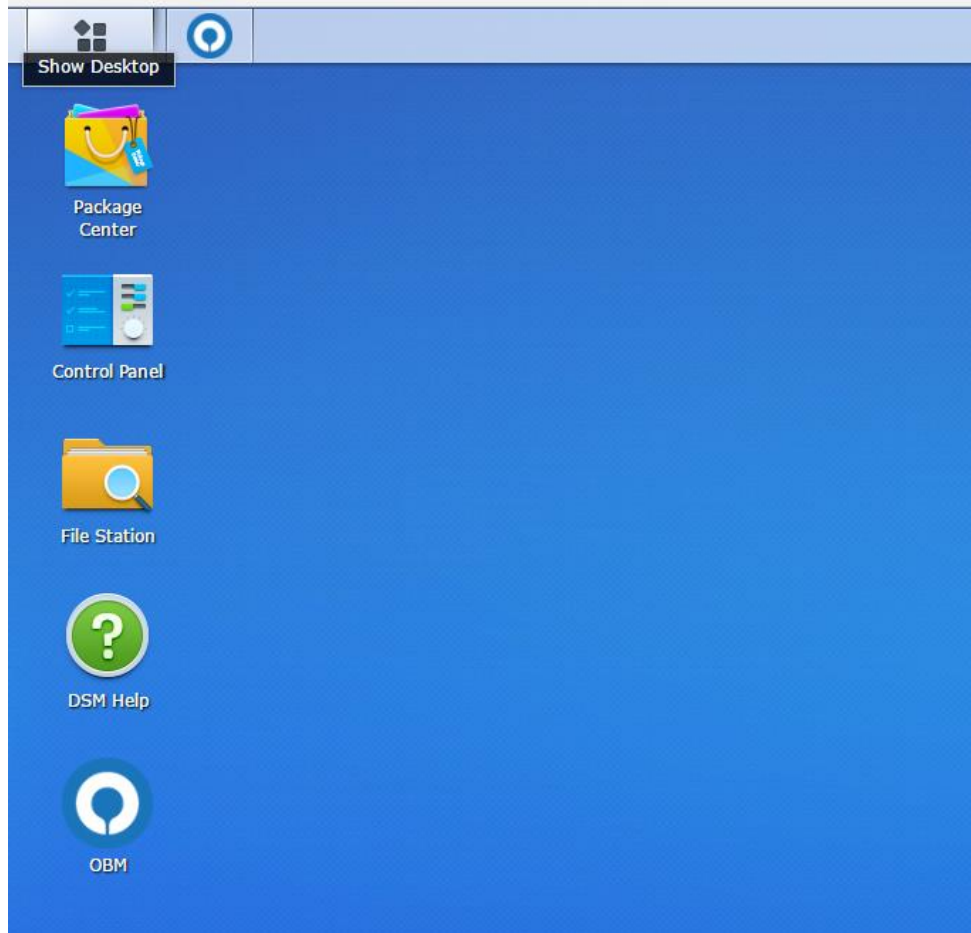
2. All application icons will be shown. Look for the **OBM** icon.



3. Right-click the **OBM** icon and select **Add to desktop**.

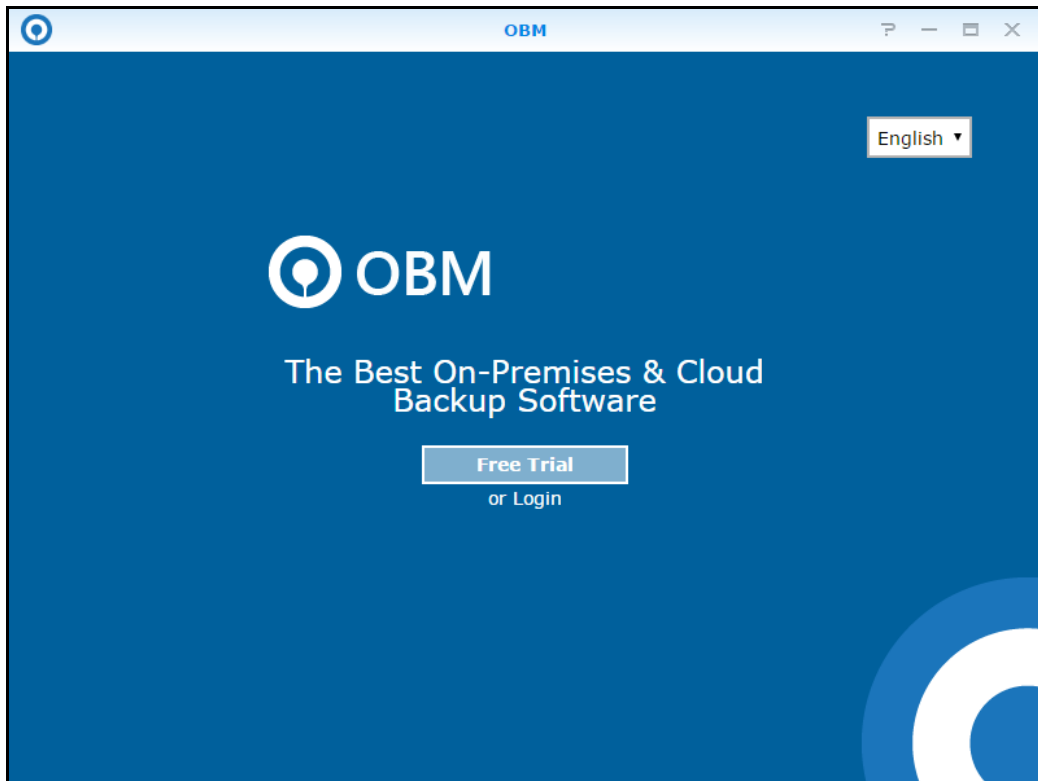


4. The OBM shortcut icon will be added to the desktop.



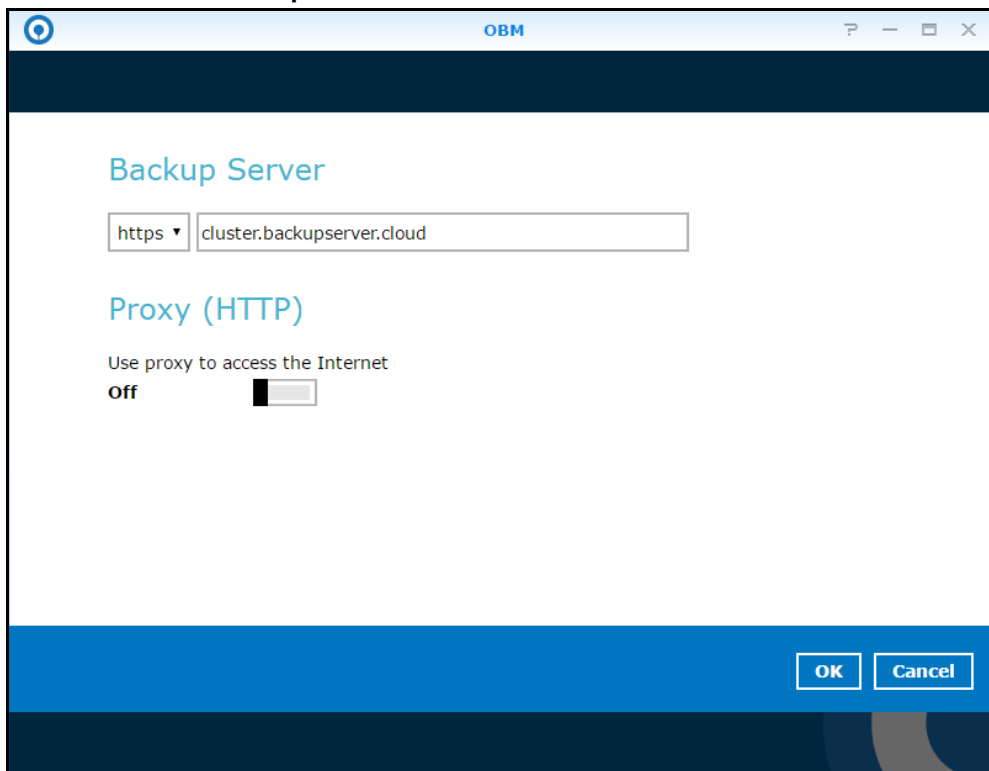
Login to OBM

1. Double-click the OBM icon on the desktop to launch the application.
2. The Free Trial Registration menu may be displayed when you login for the first time. Click **Login** if you already have an OBM account, or click **Free Trial** to register for a trial backup account.



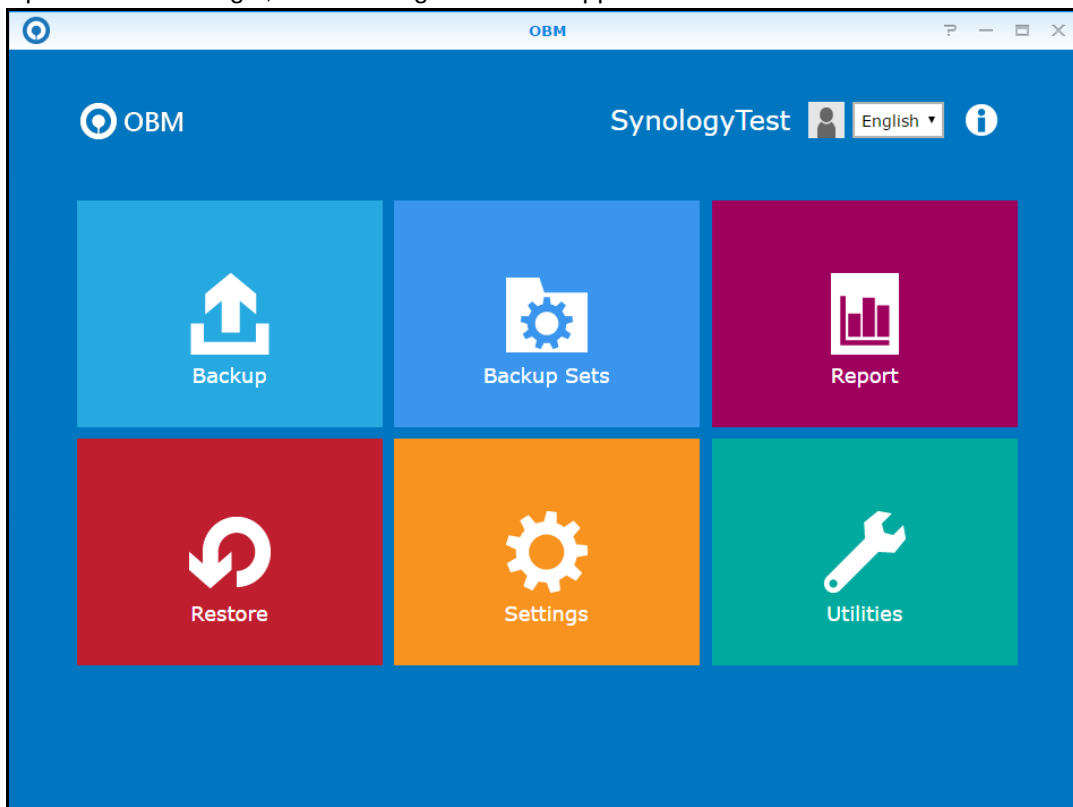
Note: The free trial registration menu will be displayed if your service provider has enabled free trial registration on the backup server.

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



The screenshot shows a web browser window titled "OBM". The main content area is titled "Backup Server". It contains a dropdown menu set to "https" and a text input field containing "cluster.backupserver.cloud". Below this, there is a section titled "Proxy (HTTP)" with the text "Use proxy to access the Internet" and a toggle switch labeled "off". At the bottom right of the window, there are "OK" and "Cancel" buttons.

4. Enter the Login Name and Password of your OBM account provided by your backup service provider. Then, click **OK** to login.
5. Upon successful login, the following screen will appear.



5 OBM Overview

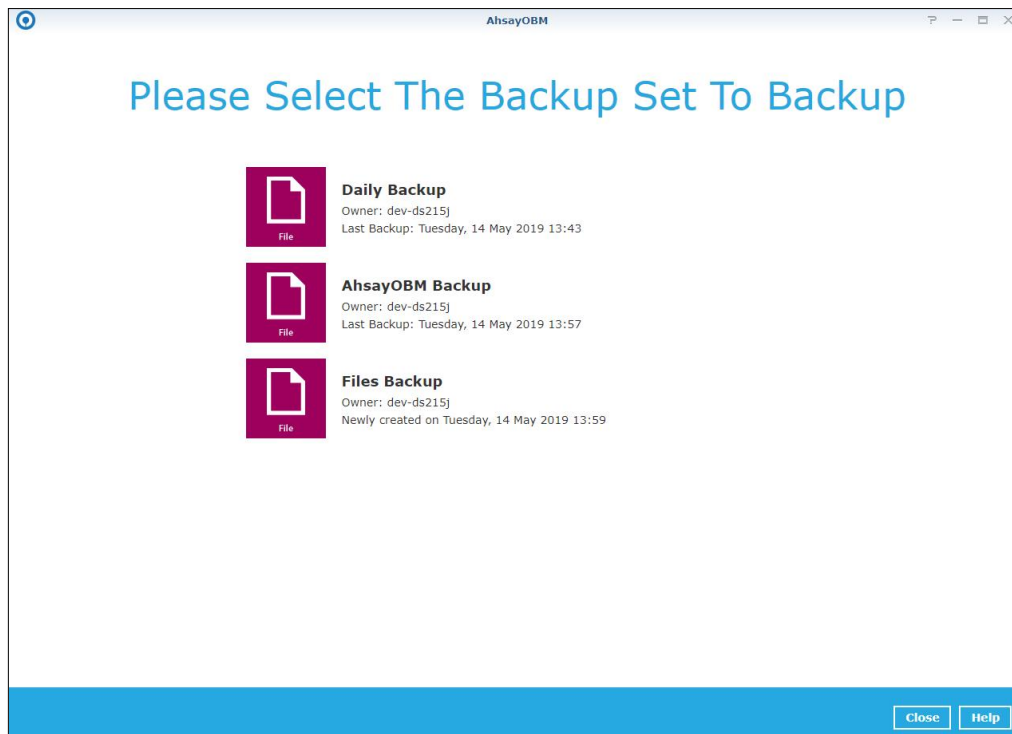
Backup

This feature is used to run your backup set(s).



When using OBM for the first time, you will be asked to create a new backup set first.

If there is an existing backup set or after a backup set is created, choose the backup set you want to backup.



There are three (3) options in the In-File Delta type section:

- **Full** – this type of backup will capture all the data that you want to secure. When you run a backup job for the first time, OBM will run a full backup regardless of the in-file delta setting.
- **Differential** – this type of backup captures only the changes made as compared with the last uploaded full file only and not since the last differential backup.
- **Incremental** – this type of backup captures only the changes compared with the last uploaded full or delta file.

The **destination** depends on the selected destination storage(s) during the creation of backup set.

Enabling the **retention policy** will help you save hard disk quota in the long run.

Click **backup** to start the backup job.

In-File Delta type

☒ Full

☐ Differential

☐ Incremental

Destinations

☒  CBS (Host: 10.3.1.8:443)

Retention Policy

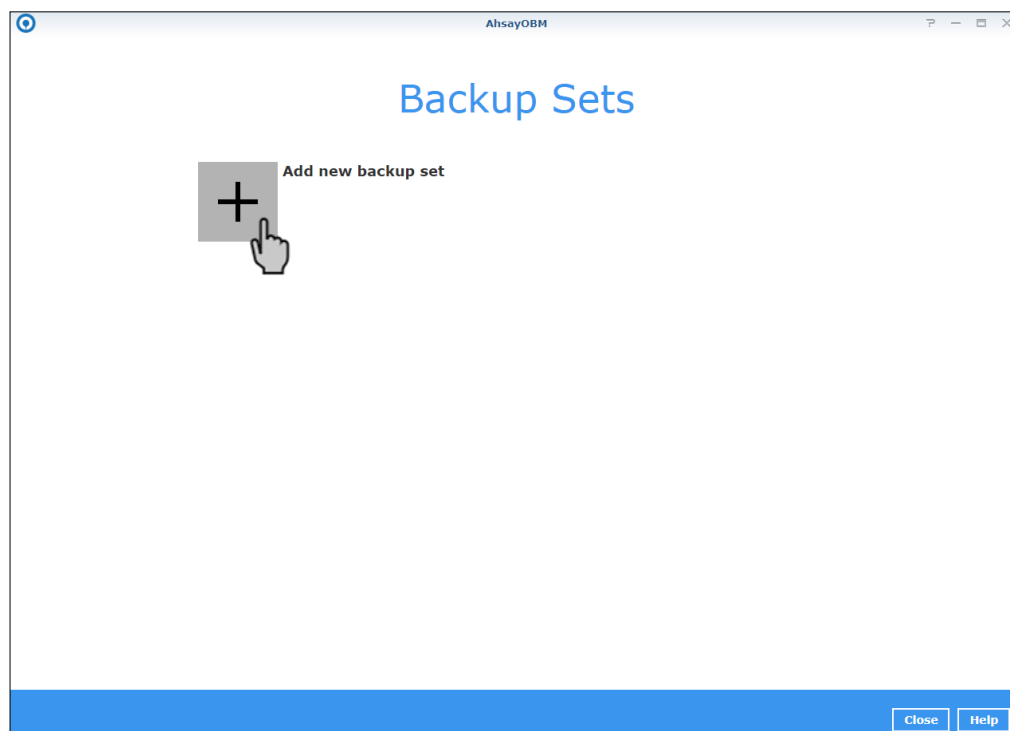
☒ Run Retention Policy after backup

Backup Sets

A **backup set** is a place for files and/or folders of your backed-up data. This feature allows the user to select files individually or entirely in a selected folder to back up. It is also used to delete a specific backup set.



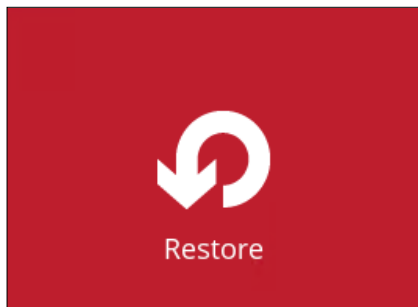
When using OBM for the first time, you must add a new backup set first.



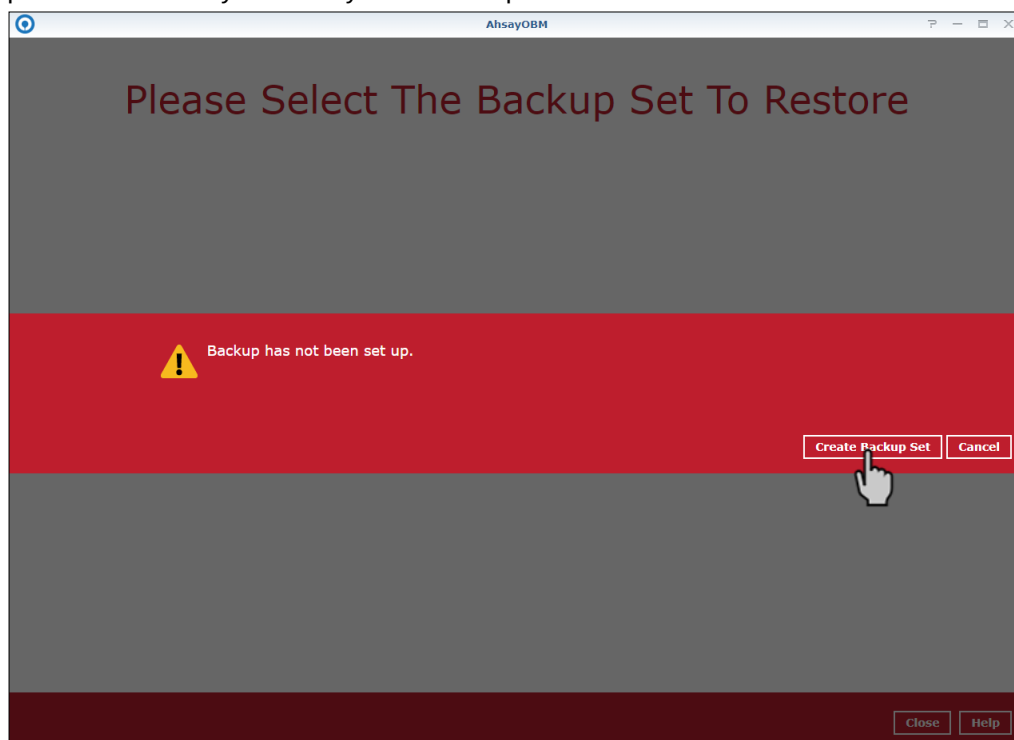
Created backup sets will be displayed.

Restore

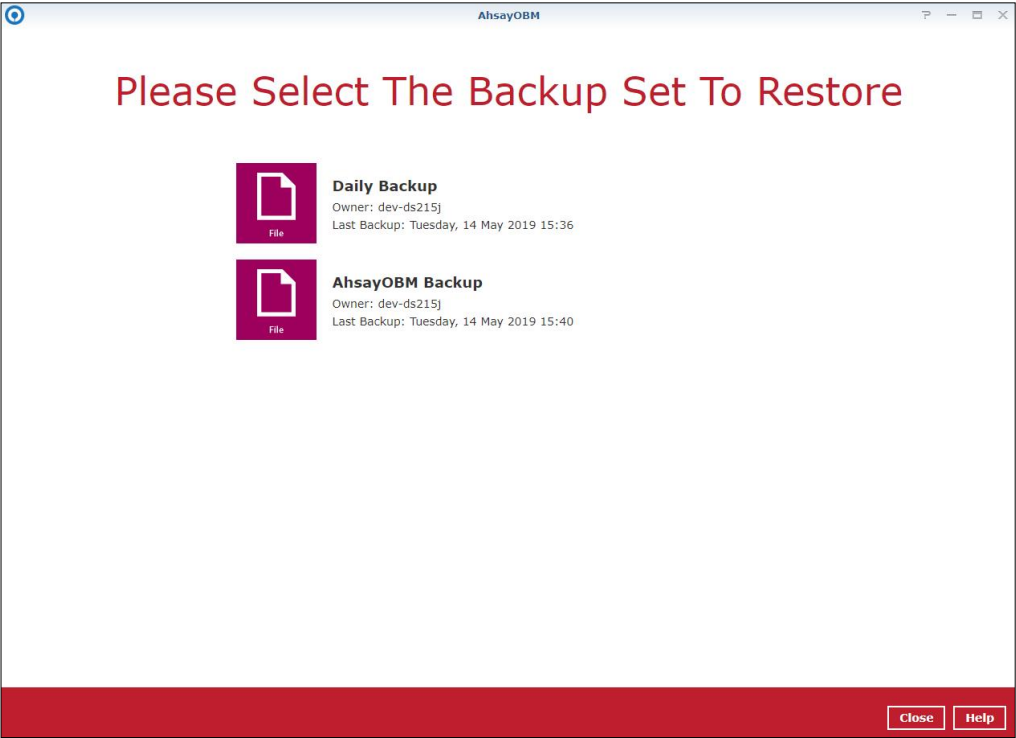
This feature is used to copy the backed-up file(s) from the backup set and restoring it to its original location or new location.



If using OBM for the first time, you will be asked to create a backup set first. A restore cannot be performed unless you already run a backup.

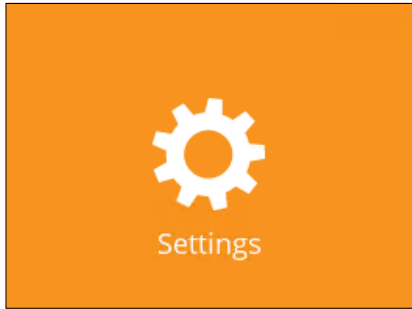


After a backup job has been performed, select a backup set you wish to restore.

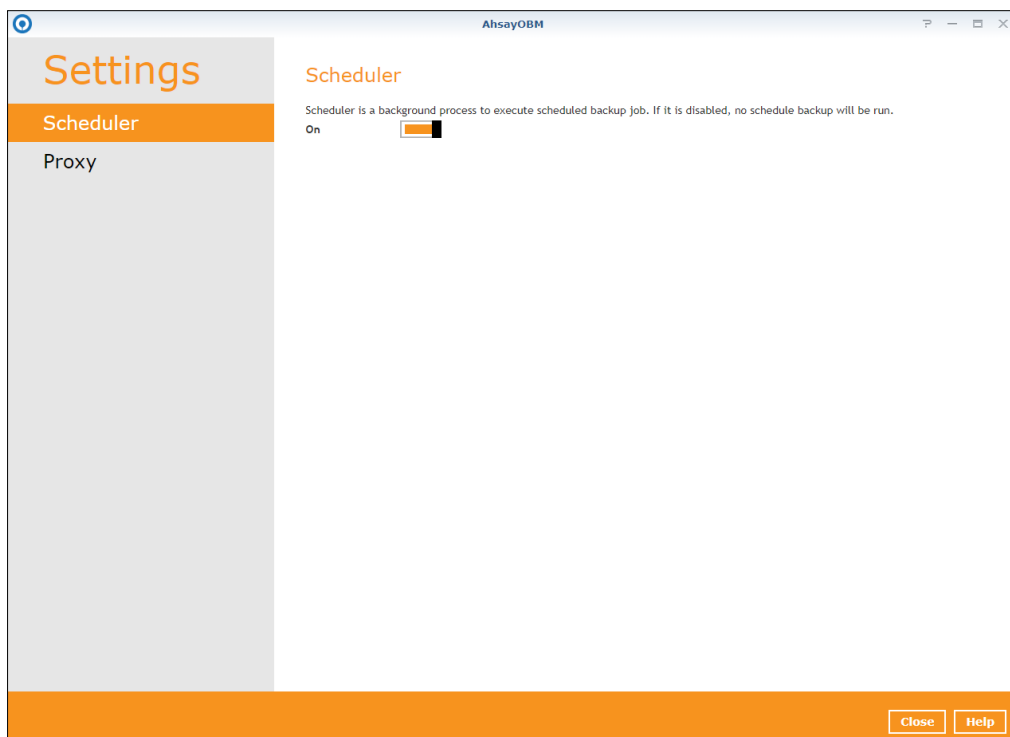


Settings

This feature allows user to enable the **Scheduler** and **Proxy Settings**.



When this feature is on, the user can execute a **scheduled backup** job. Otherwise, no scheduled backup will run.



This feature is used to allow OBM to gain access to the internet.

Settings

Scheduler

Proxy

Proxy (HTTP)

Use proxy to access the Internet

On

IP address

10.90.30.22

Port

443

Login ID

NASSample

Password

.....

Test connection

Save

Cancel

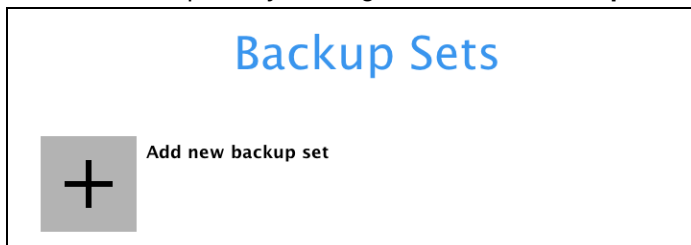
Help

6 Create a Backup Set

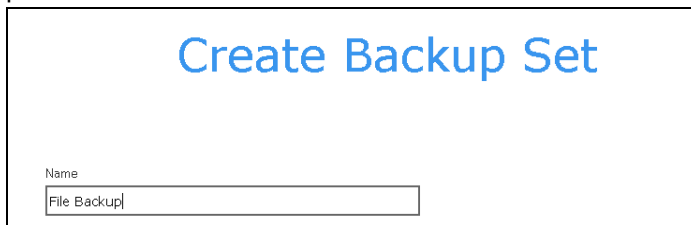
1. Click the **Backup Sets** icon on the main interface of OBM.



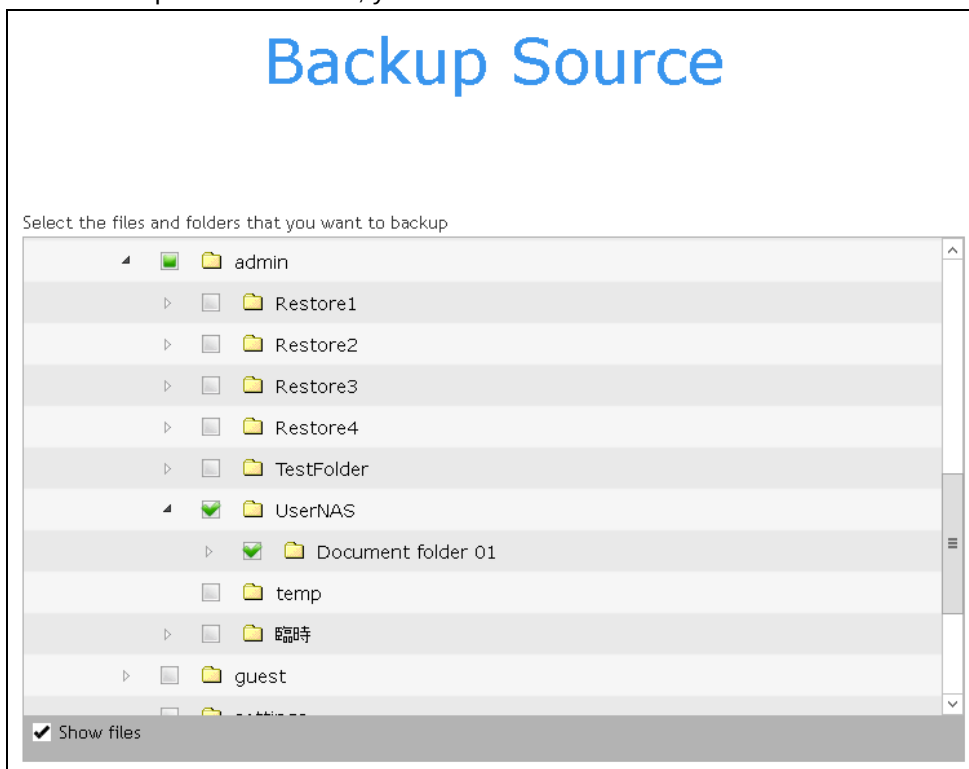
2. Create a backup set by clicking “+ Add new backup set”.



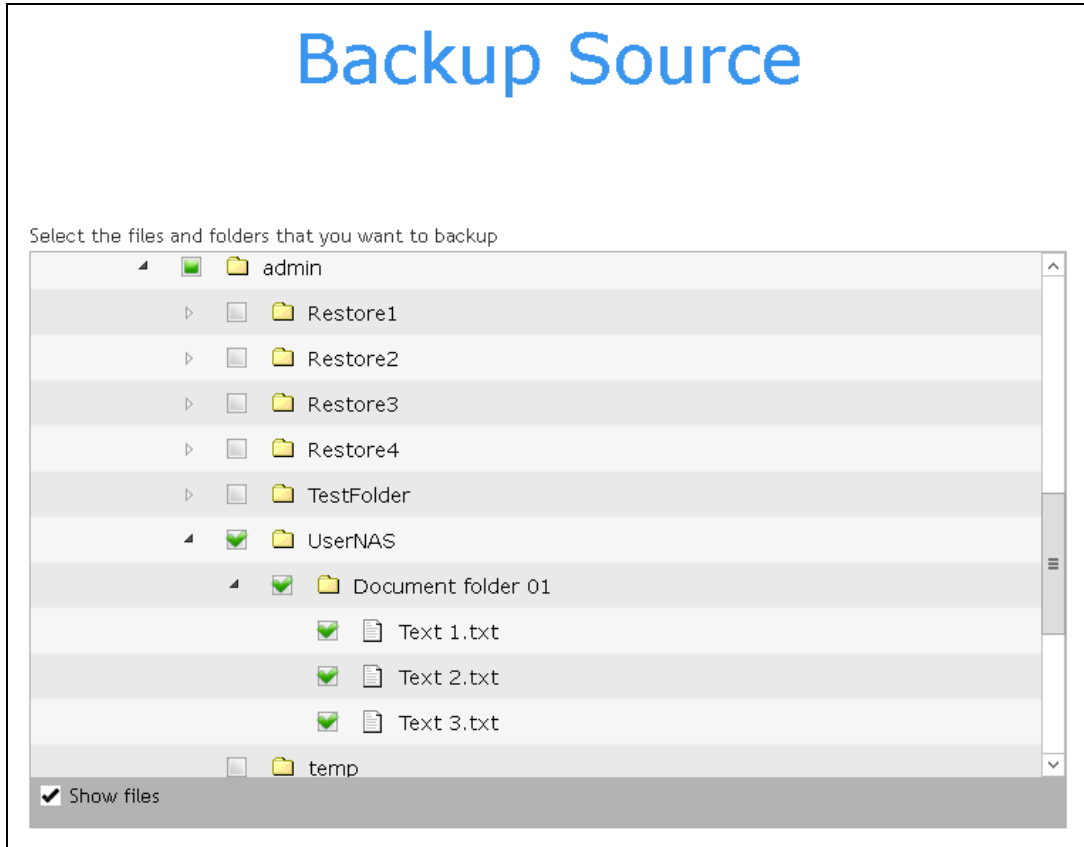
3. When the Create Backup Set window appears, name your new backup set, then click **Next** to proceed.



4. In the Backup Source window, you can select the source files and folders for backup.

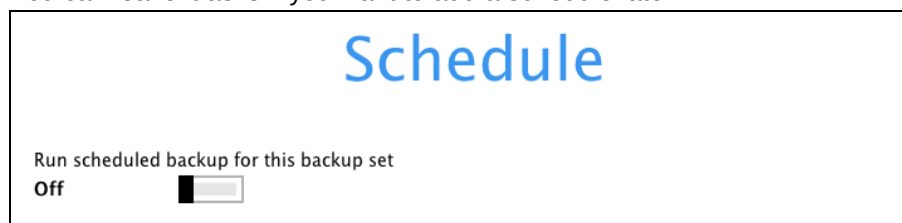


- Click the **Show files** checkbox if you want to select individual file(s) for backup.



Note: OBM can only back up files or folders displayed under the File Station on the DiskStation Manager.

- In the Backup Source window, click **Next** to proceed.
- When the Schedule window appears, 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.



If you want to add a schedule now, switch on **Run scheduled backup for this backup set**. Then, click “+” next to Add New schedule.

Schedule

Run scheduled backup for this backup set

On ☒

Existing schedules

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.

New Backup Schedule

Name

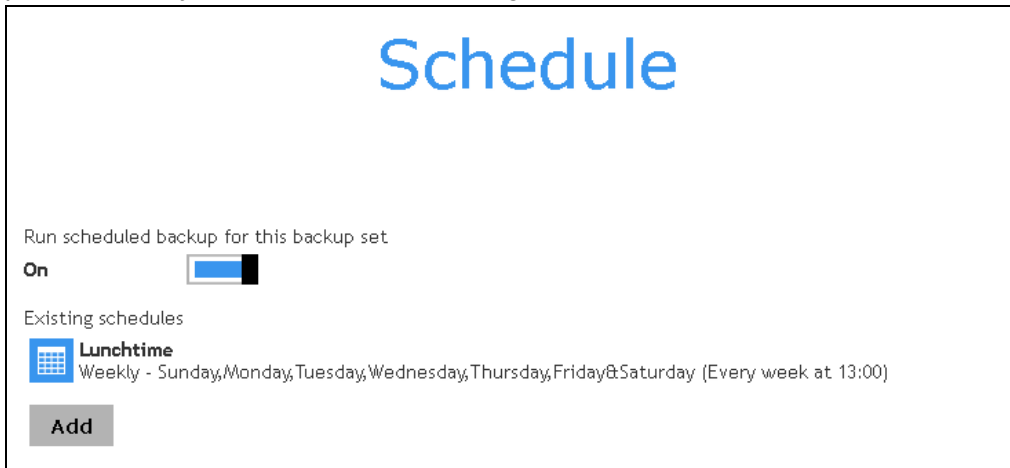
Backup on these days of the week
☒ Sun ☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri ☒ Sat

Start backup at
 :

Stop

☒ Run Retention Policy after backup

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



9. The Destination window will appear.

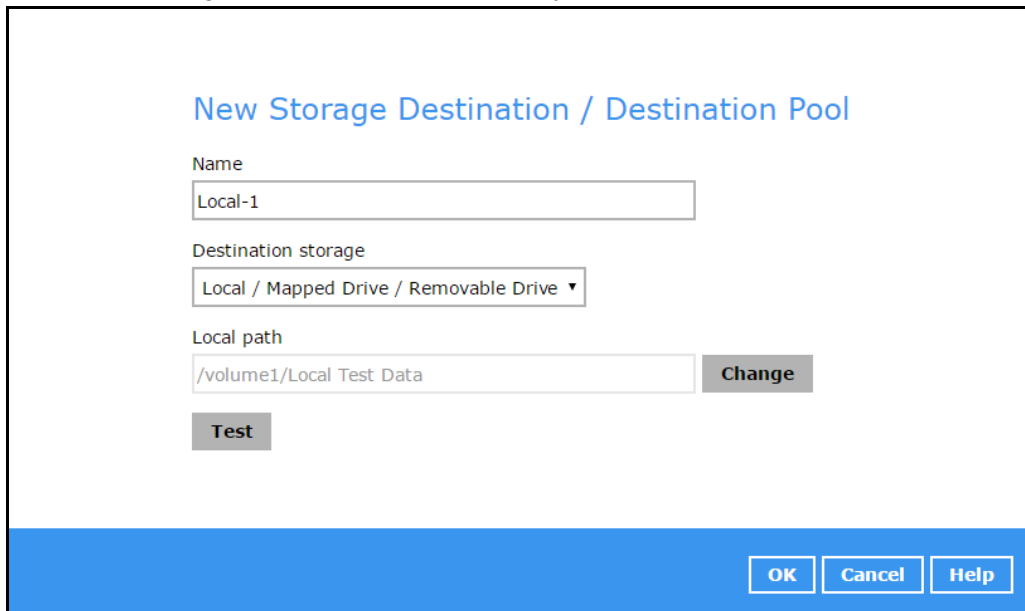


Select the appropriate option from the **Backup mode** drop down menu.

- ⦿ **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 an extra backup destination for the backup storage (e.g. USB Drive), click the 'Add' button under existing storage destination

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



The screenshot shows a window titled "New Storage Destination / Destination Pool". It contains the following fields and controls:

- Name:** A text input field containing "Local-1".
- Destination storage:** A dropdown menu with the selected option "Local / Mapped Drive / Removable Drive".
- Local path:** A text input field containing "/volume1/Local Test Data". To its right is a "Change" button.
- Test:** A button located below the local path field.
- Footer:** A blue bar at the bottom containing "OK", "Cancel", and "Help" buttons.

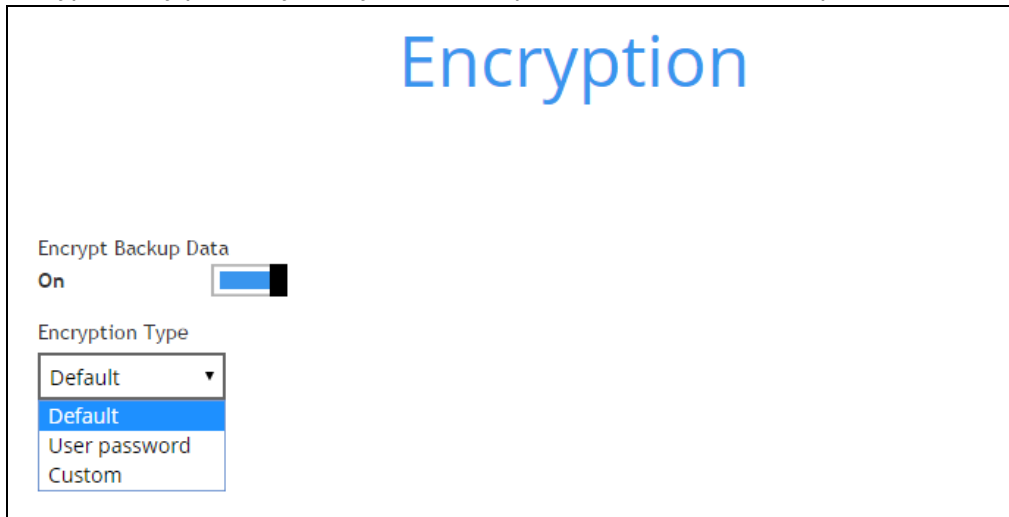
11. In the Destination window, your selected storage destination will be shown. Click **Next** to proceed.



The screenshot shows a window titled "Destination". It contains the following elements:

- Backup mode:** A dropdown menu with the selected option "Sequential".
- Existing storage destinations:** A section showing a single destination "CBS-1" with a cloud icon.
- Add:** A button below the existing storage destinations.
- Navigation:** Up and down arrow icons at the bottom left.

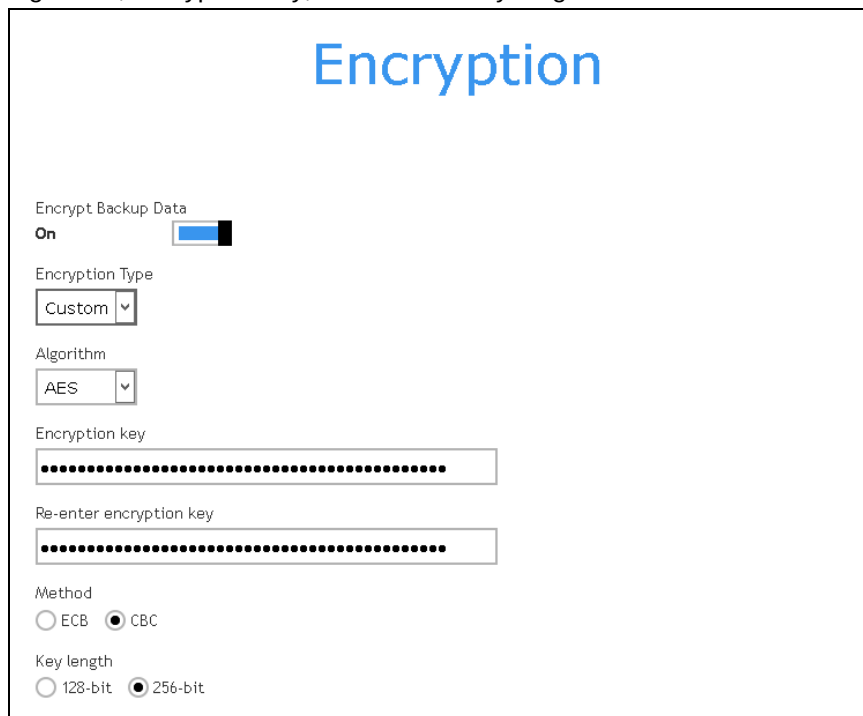
12. In the Encryption window, the default **Encrypt Backup Data** option is enabled with an encryption key preset by the system which provides the most secure protection.



The screenshot shows the 'Encryption' window. At the top, the word 'Encryption' is displayed in a large blue font. Below it, the 'Encrypt Backup Data' section has a toggle switch labeled 'On'. Underneath, the 'Encryption Type' dropdown menu is open, showing three options: 'Default' (highlighted in blue), 'User password', and 'Custom'.

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 OBM at the time when this backup is created. Please be reminded that if you change the OBM 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.



This screenshot shows the 'Encryption' window with the 'Custom' encryption type selected. The 'Encrypt Backup Data' toggle is 'On'. The 'Encryption Type' dropdown is set to 'Custom'. Below this, the 'Algorithm' dropdown is set to 'AES'. There are two text input fields for the 'Encryption key' and 'Re-enter encryption key', both filled with dots. At the bottom, the 'Method' section has two radio buttons: 'ECB' (unselected) and 'CBC' (selected). The 'Key length' section has two radio buttons: '128-bit' (unselected) and '256-bit' (selected).

WARNING: If a note of the encryption key is **NOT** taken, and the key is LOST, the data will be irretrievable. We recommend changing the DEFAULT encryption key to something memorable.

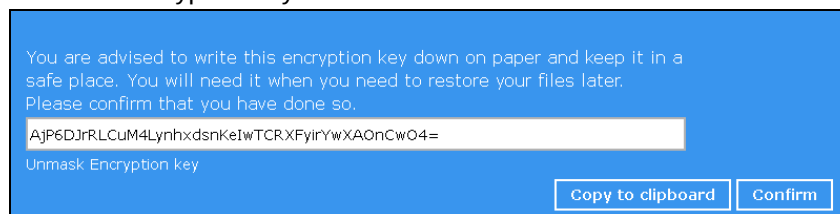
Click **Save** when you are done with the settings.

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



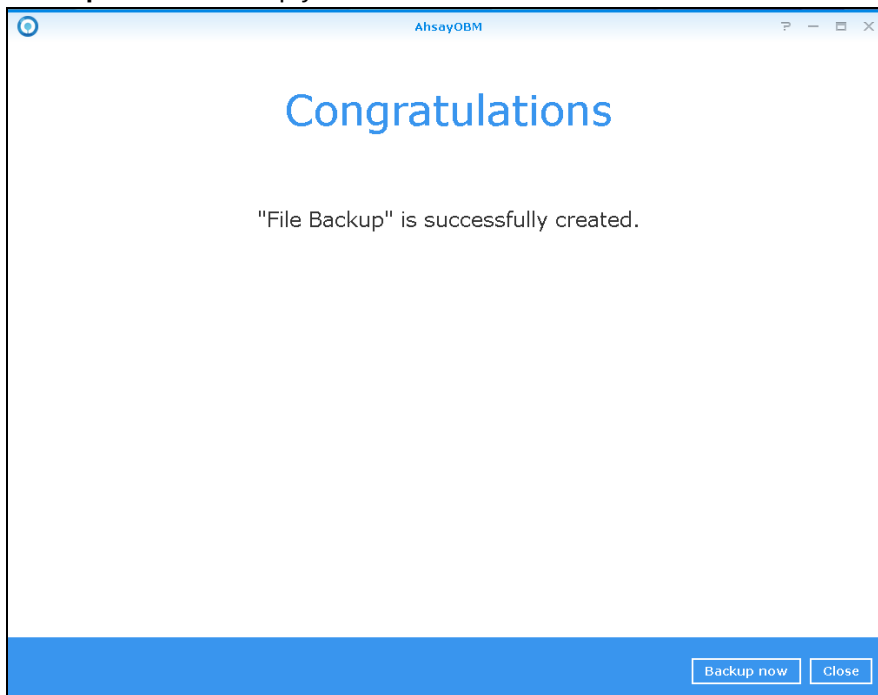
The pop-up window has the following three options to choose from:

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



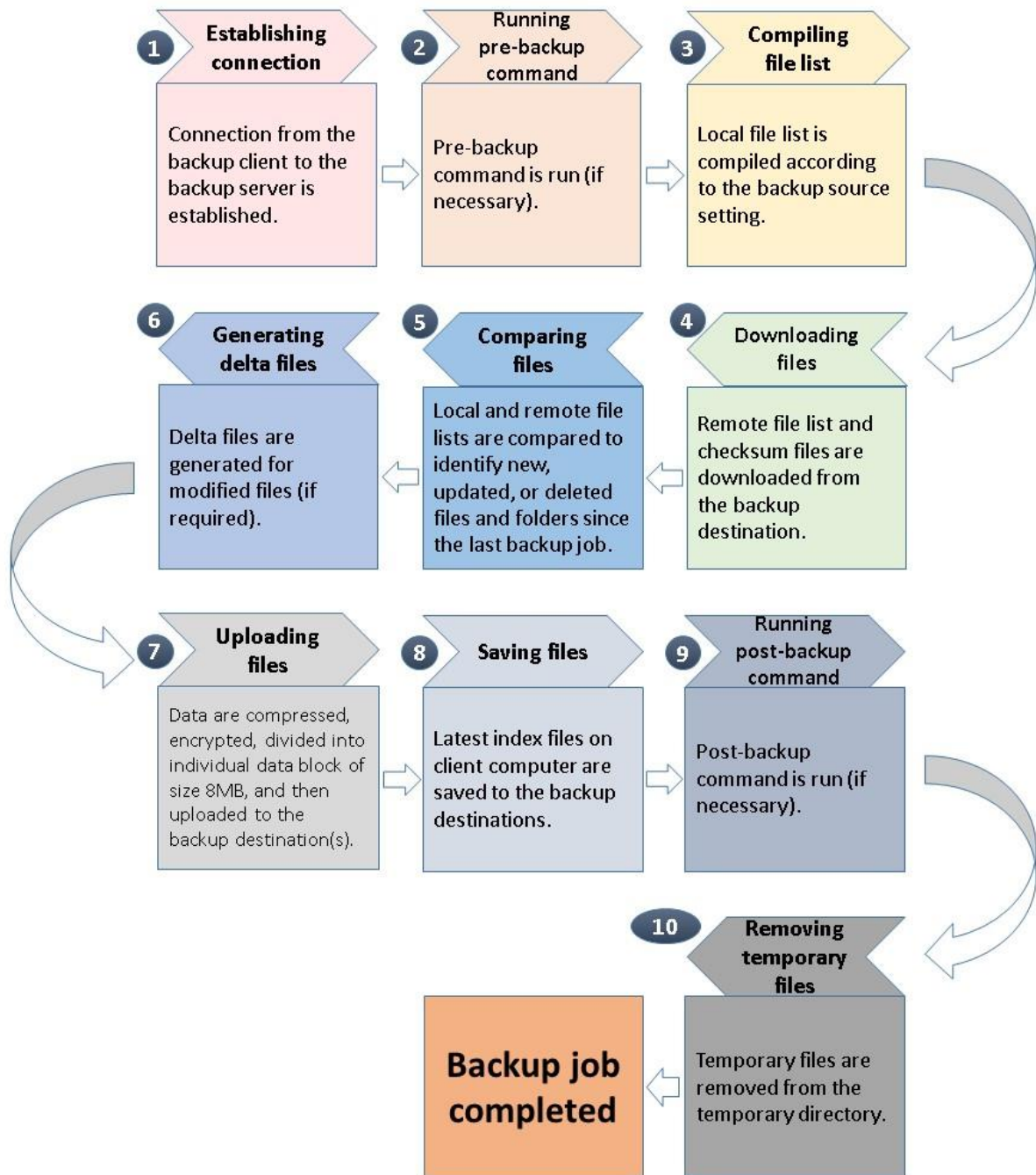
- **Copy to clipboard** – Click to copy the encryption key, then you can paste it in another location of your choice.
- **Confirm** – Click to exit this pop-up window and proceed to the next step.

14. 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.



7 Overview on Backup Process

The following steps are performed during a backup job.



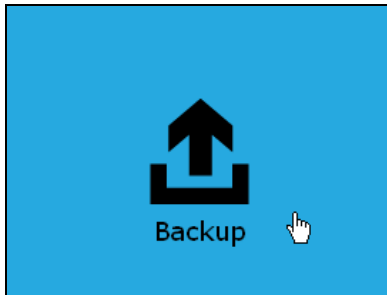
8 Run Backup Jobs

Login to OBM

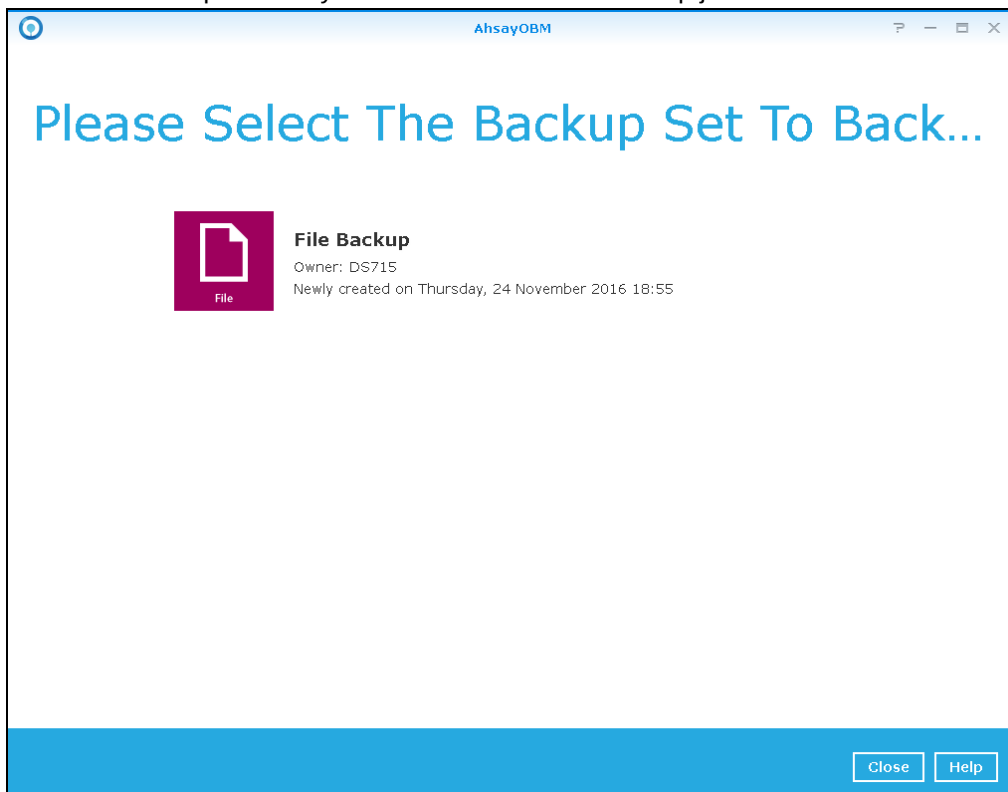
Login to the OBM application with the instructions provided in [Login to OBM](#).

Start a Manual Backup

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



2. Select the backup set that you would like to start a backup job with.



3. When the following 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:

In-File Delta type

☒ Full

☐ Differential

☐ Incremental

Destinations

☒  CBS (Host: 10.3.1.8:443)

Retention Policy

☒ Run Retention Policy after backup

- **Full** – A full backup captures all the data that you want to protect. When you run a backup job for the first time, OBM 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-1

Downloading server file list...

Estimated time left:

Backed up:

Elapsed time: 36 sec

Transfer rate:



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



CBS-1

✓ Backup Completed Successfully

Estimated time left: 0 sec

Backed up: 0 byte (3 files, 6 directories, 0 link)

Elapsed time: 3 min 43 sec

Transfer rate: 0 bit/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. Click **Close** to exit the pop-up window.

Show All ▼

Type	Log	Time
	Start [DSM 6.1-15047 Update 2 (SynologyDS115j), OBM v7.9.2.2]	27/03/2017 15:35:18
	Start Backup ... [In-File Delta: Full]	27/03/2017 15:35:46
	Using Temporary Directory /root/temp/1490624786767/OBS@-1476870631532	27/03/2017 15:35:46
	Start running pre-commands	27/03/2017 15:35:47
	Finished running pre-commands	27/03/2017 15:35:47
	Downloading server file list...	27/03/2017 15:35:52
	Downloading server file list... Completed	27/03/2017 15:37:10
	Reading backup source from hard disk...	27/03/2017 15:37:13
	[New Directory]... /	27/03/2017 15:37:18
	[New Directory]... /volume1	27/03/2017 15:37:20
	[New Directory]... /volume1/Shared Data	27/03/2017 15:37:53
	[New Directory]... /volume1/Shared Data/Accounts Share	27/03/2017 15:37:55
	Reading backup source from hard disk... Completed	27/03/2017 15:37:55

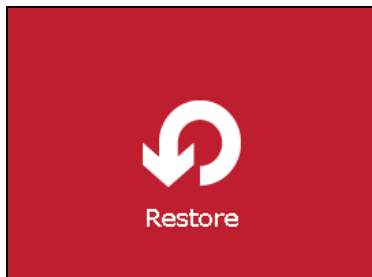
9 Restore Data

Login to OBM

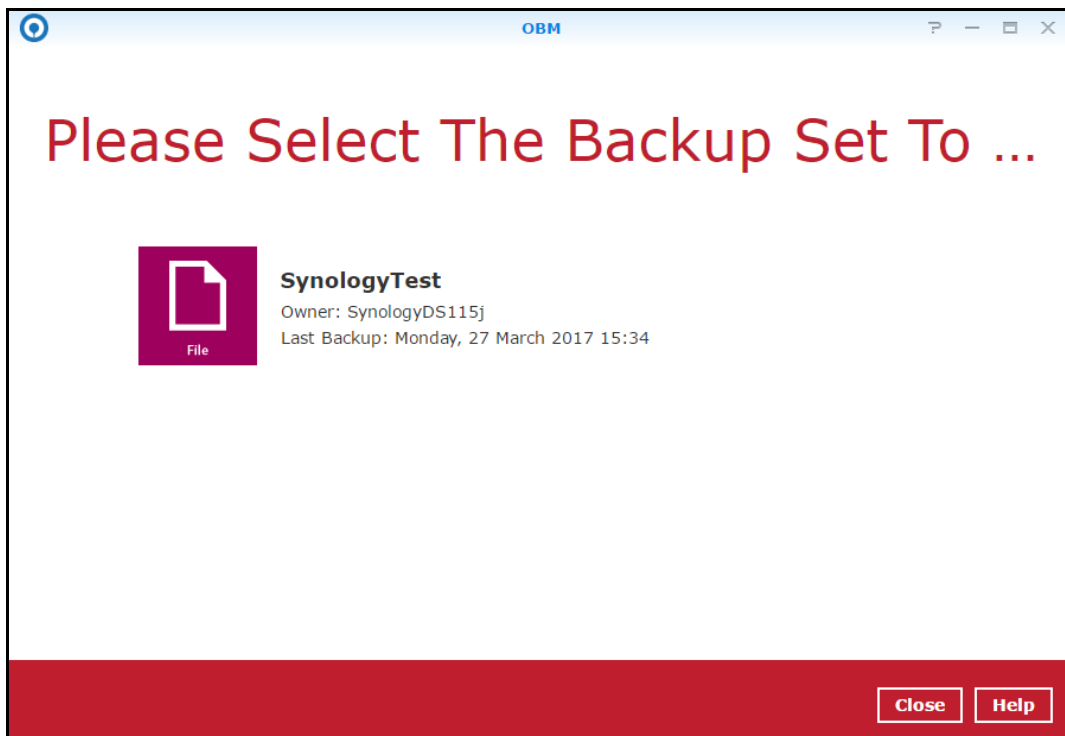
Login to the OBM application with the instructions provided in [Login to OBM](#).

Restore Data

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

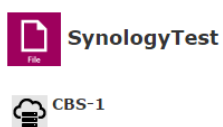


2. All the available backup sets for restore will be listed. Select the backup set that you would like to restore data from.



3. Select where you would like to restore your data from.

Select The Destination From Whic...



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.

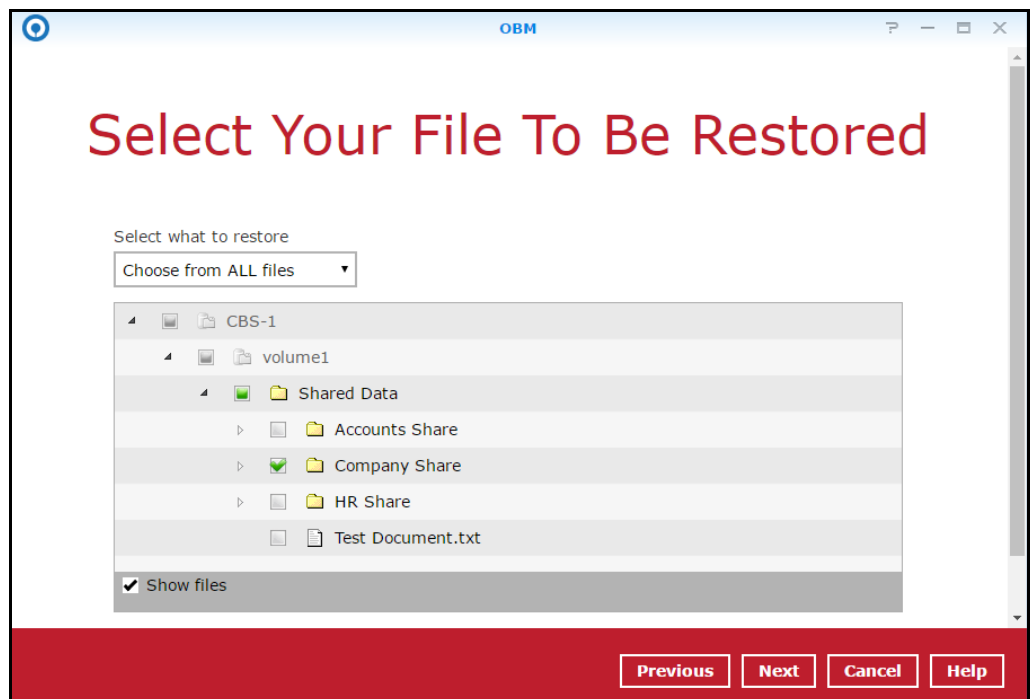
There are two options from the **Select what to restore** drop-down menu:

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

The image shows three instances of the 'Select what to restore' dropdown menu. In each instance, the 'Choose from files as of job' option is selected and highlighted with a red box. The first instance also shows the date '24/11/2016' and the version 'Latest' selected. The second instance shows the date '24/11/2016' selected. The third instance shows the version 'Latest' selected.

- 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.

The image shows the 'Select what to restore' dropdown menu with the 'Choose from ALL files' option selected.



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.

☒	File snapshot testing.txt	147 b...	08/11/2016 09:05
☒	File snapshot testing.txt	147 b...	08/11/2016 09:05
☒	File snapshot testing.txt	113 b...	07/11/2016 18:54
☐	File snapshot testing.txt	96 byt...	07/11/2016 18:52
☐	File snapshot testing.txt	80 byt...	07/11/2016 18:51
☐	File snapshot testing.txt	64 byt...	07/11/2016 18:39

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.

Name	Date modified
File snapshot testing	11/7/2016 6:54 PM
File snapshot testing_2016-11-07-18-39-11	11/7/2016 6:39 PM
File snapshot testing_2016-11-07-18-51-55	11/7/2016 6:51 PM
File snapshot testing_2016-11-07-18-53-26	11/7/2016 6:52 PM

- Click the **Show files** checkbox to select individual files for restoration. Click **Next** to proceed when you are done with the selections.

- 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 OBM 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 OBM.

OBM

Choose Where The File To Be Restored

Restore File to

☒ Original location
 ☐ Alternate location

Show advanced option

Previous

Next

Cancel

Help

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

OBM

Choose Where The File To Be Restored

Restore File to

☐ Original location

☒ Alternate location

Browse

Show advanced option

Previous Next Cancel Help

Alternate location

Change Path

- admin
 - Restore1
 - Restore2
 - Restore3
 - Restore4
 - TestFolder
 - UserNAS
 - Alternate Restore Location
 - ☒ Document folder 01
 - Images
 - Templates
 - Useful links
 - temp
 - 臨時
- guest

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

Restore File to

☒ Original location

☐ Alternate location

Show advanced option

Overwrite mode during restoration:

☒ Skip All

☐ Overwrite all

☐ Restore file permissions

☐ Delete extra files

☒ Follow Link

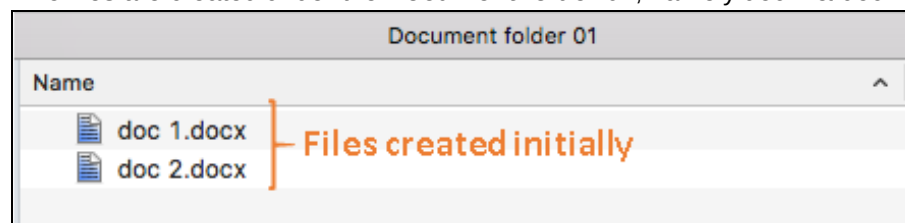
☐ Verify checksum of in-file delta files during restore

Hide advanced option

- **Overwrite mode during restoration**
When there are file name conflicts during restoration, you can choose to skip them all or overwrite all existing files in the restore destination.
- **Restore file permissions**
Restore file permissions is disabled by default. When you perform a file restore on a shared computer, it is recommended that you enable Restore file permissions by ticking the checkbox so that the files restored will not be fully accessible to everyone using the shared computer.
- **Delete extra files**
Synchronize the selected restore source with the restore destination. 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.

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 are deleted.

Prior to the data restore and synchronization, a warning message will show. Only by clicking **Yes** will the “extra file” be deleted. You can click **Apply to all** to confirm deleting all the “extra files” at one 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.

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

Verify checksum of in-file delta files during restore is disabled by default. You can enable the feature by ticking the checkbox so that the checksum of in-file delta files will be verified. As the feature will make the restore process time longer, it is recommended to enable the feature only if you want to verify whether the merged files were correct

8. Click **Next** to proceed when you are done with the settings.
9. Select the temporary directory for storing temporary files, such as delta files when they are being merged.

Temporary Directory

Temporary directory for storing restore files

Change

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

CBS (Host: 10.3.1.8:443)
🔍
✕

Pending
 Estimated time left:
 Restored:
 Elapsed time:
 Transfer rate:

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: 1 MB (5 files, 0 directory)
 Elapsed time: 21 sec
 Transfer rate: 388 Kibit/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. Click **Close** to exit the pop-up window.

Show All ▼		
Type	Log	Time
	Start [DSM 5.2-5592 (DS715), AhsayOBM v7.9.0.0]	25/11/2016 05:21:44
	Initializing decrypt action...	25/11/2016 05:21:44
	Initializing decrypt action... Completed	25/11/2016 05:21:45
	Creating new directory... "/volume1/homes/admin/UserNAS/Document folder 01/volume1"	25/11/2016 05:21:45
	Creating new directory... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes"	25/11/2016 05:21:45
	Creating new directory... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin"	25/11/2016 05:21:45
	Creating new directory... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS"	25/11/2016 05:21:45
	Creating new directory... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS/Document folder 01"	25/11/2016 05:21:45
	Downloading... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS/Document folder 01/Text 3.txt" (Total 2k bytes)	25/11/2016 05:21:45
	Downloading... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS/Document folder 01/Text 4.txt" (Total 5k bytes)	25/11/2016 05:21:45
	Downloading... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS/Document folder 01/doc 3.docx" (Total 1.06M bytes)	25/11/2016 05:21:46
	Creating new directory... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS/Templates"	25/11/2016 05:21:47
	Downloading... "/volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS/Templates/Template_v0.1.docx" (Total 11k bytes)	25/11/2016 05:21:47
	Restoring File Permission:... /volume1/homes/admin/UserNAS/Document folder 01/volume1/homes/admin/UserNAS/Document folder 01/Text 4.txt	25/11/2016 05:21:48

12. In the Restore window, click **Close** to close the Restore window.
13. To exit OBM, click the "x" on the top right corner. A message will appear to ask for your confirmation. Click **Yes** to close the application. If you wish to use OBM again, you will have to launch it again.

Appendix

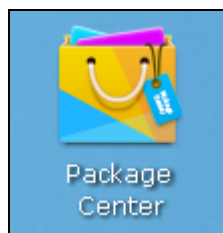
Uninstall OBM

Refer to the following steps to uninstall OBM.

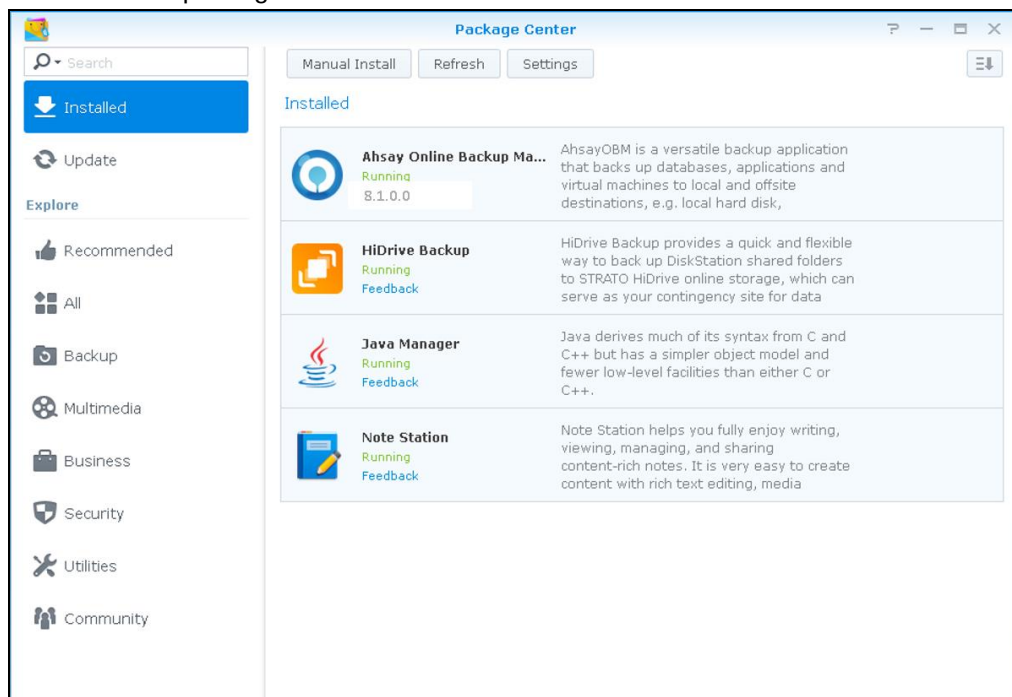
1. Sign into DiskStation Manager (DSM) with the admin account. In a web browser, enter the Synology NAS device IP address, followed by :5000
https://nas_hostname:5000

Note: Refer to the following Synology Wiki article for information on how to sign into DSM:
https://www.synology.com/en-us/knowledgebase/DSM/help/DSM/MainMenu/get_started

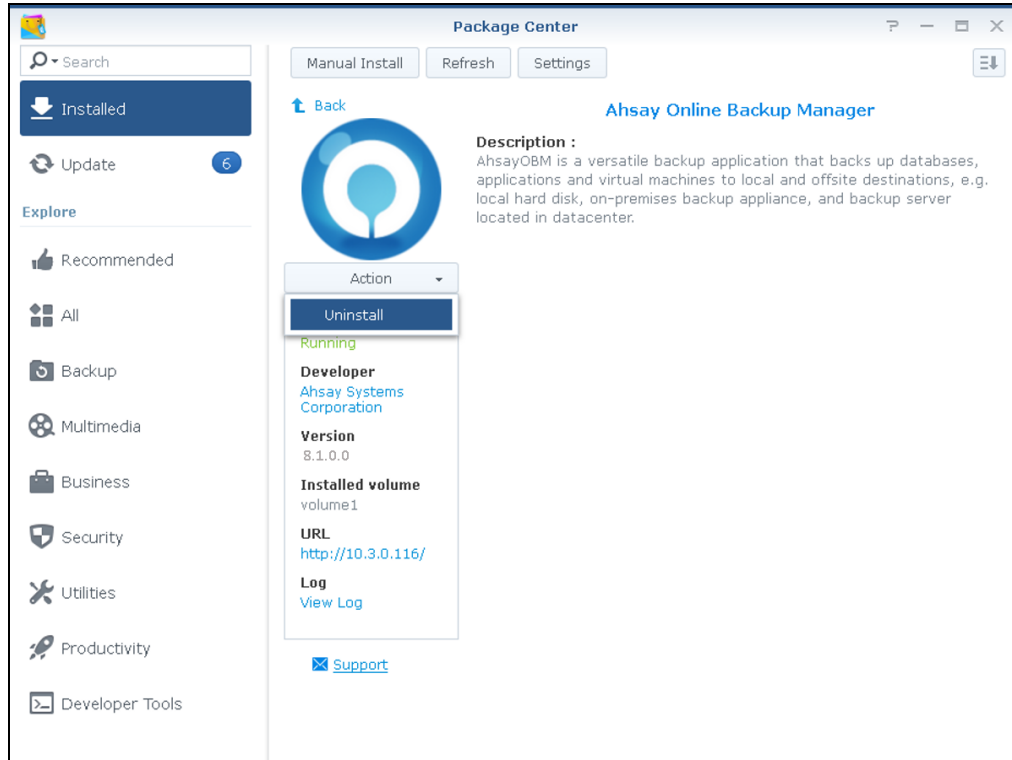
2. Double-click the Package Center icon on the desktop.



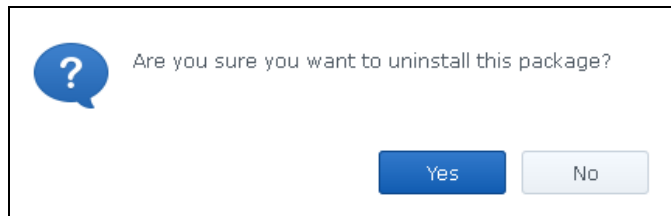
3. When the Package Center window appears, select **Online Backup Manager** from the listed installed packages.



4. When the Online Backup Manager properties appears, select **Action > Uninstall**.

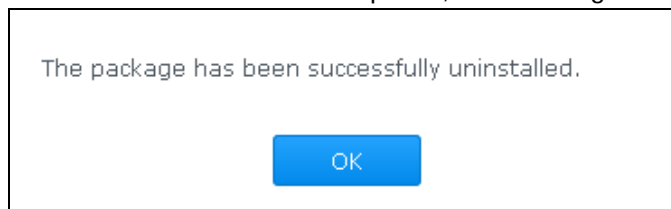


5. Click **Yes** to uninstall OBM.



Note: If you select yes, both OBM program files and user settings will be removed from the NAS drive.

6. When the uninstallation is completed, the following message will appear.



Note: Online Backup Manager will no longer appear in the list of Installed packages. The uninstaller will also remove the .obm folder and all binary files from the following paths respectively:

/volume1/@appstore/OBM/.obm
/volume1/@appstore/OBM/