

# Ahsay Online Backup Manager v7 Quick Start Guide for QNAP NAS

Ahsay Systems Corporation Limited

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# **Revision History**

Date	Descriptions	Type of modification	
14 September 2018	First Draft	New	
18 October 2018	Update the link for Hardware Requirement for Ch.1.1; Added Requirement for Ch. 1.3, 1.4, 1.5	New / Modification	

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# 1 Requirements for AhsayOBM on QNAP NAS

## **Hardware Requirements**

Refer to the following article for the list of QNAP NAS models and supported list: FAQ: Ahsay Hardware Compatibility List (HRL) for AhsayOBM on QNAP NAS

## Software Requirements

Refer to the following article for the Ahsay Software Compatibility List: FAQ: Ahsay Software Compatibility List (SCL) for version 7.3 or above

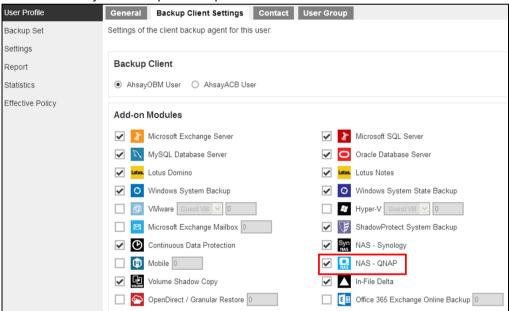
## **AhsayOBM Installation**

AhsayOBM v7.17.0.30 or above must be installed on the QNAP NAS.

### **NAS-QNAP Add-on Module**

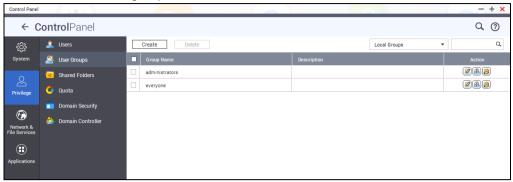
Make sure the NAS-QNAP feature has been enabled as an add-on module in your AhsayOBM user account to cover the backup of your QNAP NAS.

Please contact your backup service provider for more details.

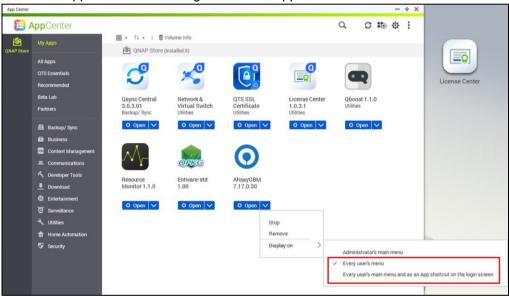


#### **QNAP NAS User Account Permission**

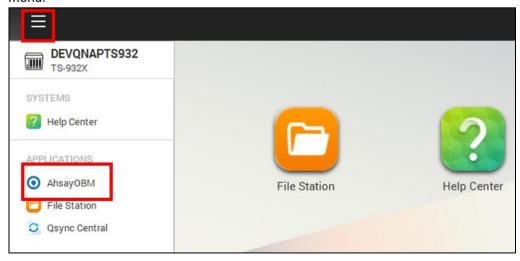
The QNAP NAS user account used for the AhsayOBM installation must be a member of "administrator" user group.



The QNAP NAS user account belongs to "everyone" user group can apply AhsayOBM after administrator assigning AhsayOBM to Display on "Every user's menu" or "Every user's main menu and as an App shortcut on the login screen"in App Center.



After login with user account belongs to "everyone" user group, you can find the App in the user's menu.



# 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 QNAP NAS

# **Launch the App**

Launch and log in to AhsayOBM

## **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

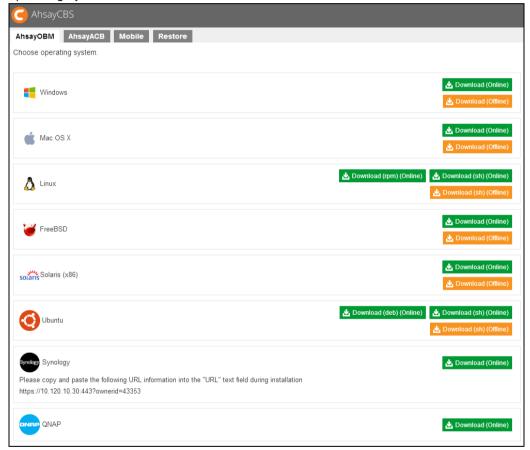
# 3 Download and Install AhsayOBM

## **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 QNAP section, click the **Download (Online)** icon to download the AhsayOBM installation package.



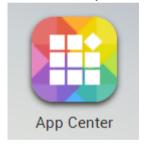
## **Install AhsayOBM**

1. Login to QNAP QTS with the admin account. In a web browser, enter the QNAP NAS device IP address and use the login credentials to login.

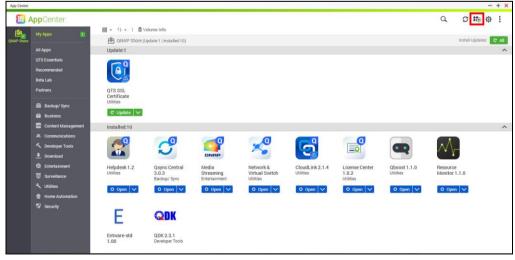
**Note:** Refer to the following user manual for information on how to login to QTS: <a href="https://www.gnap.com/en/support/con">https://www.gnap.com/en/support/con</a> show.php?cid=11



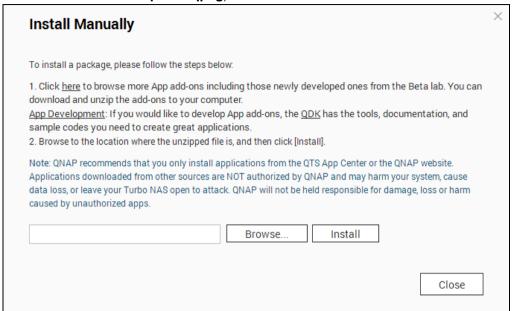
2. To install AhsayOBM on QNAP NAS, click the App Center icon from the desktop.



3. When the Package Center window appears, select Install Manually.

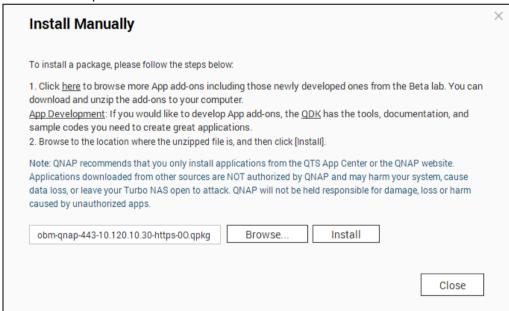


 When the Install Manually window appears, click Browse to select the AhsayOBM package file which you have downloaded (e.g. obm-qnap-port number-Backup Service Provider Web Console IP Address-https-00.qpkg).

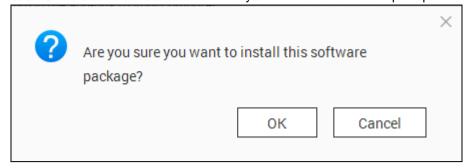


After selecting the AhsayOBM package file, obm-qnap-443-10.120.10.30-https-0O.qpkg, click **Open** to proceed.

5. Click Install to proceed with the installation.



6. Click **OK** to start the installation of AhsayOBM when the window prompt.

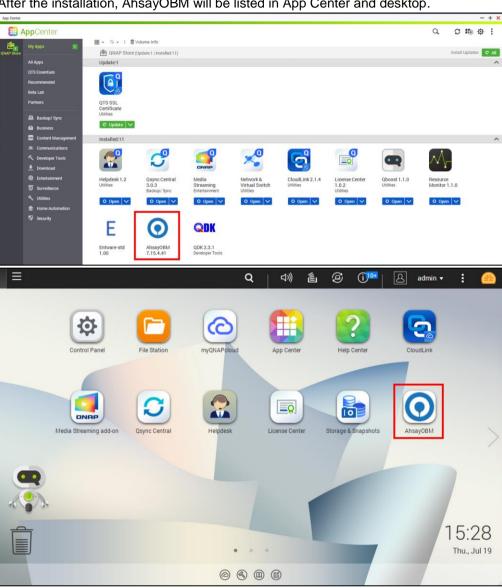


7. Upon successful installation, the following message will be prompted.



Click **OK** to finish the installation.

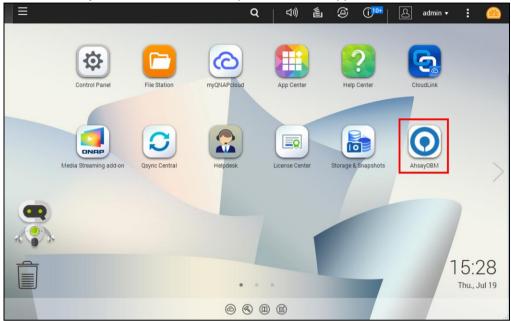
After the installation, AhsayOBM will be listed in App Center and desktop.



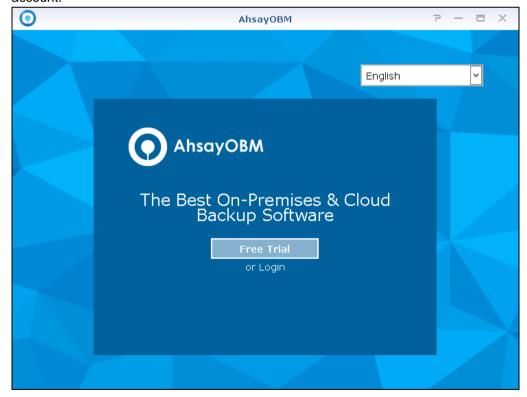
# 4 Start AhsayOBM

## Login to AhsayOBM

1. Click the AhsayOBM icon on the desktop to launch the application.

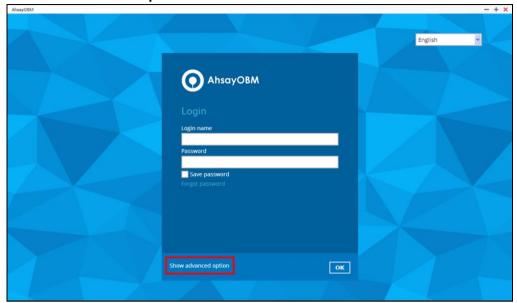


 The Free Trial Registration menu may display when you login for the first time. Click Login if you already have an AhsayOBM account, or click Free Trial to register for a trial backup account.

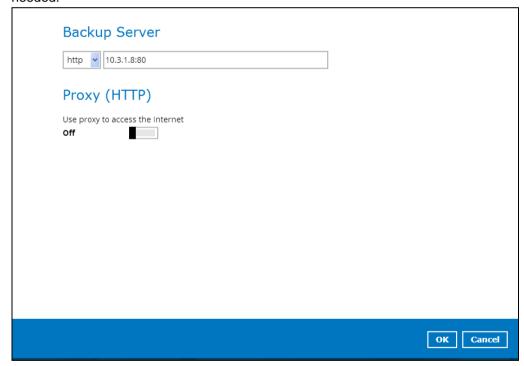


**Note:** The free trial registration menu will only be displayed if your service provider has enabled free trial registration on the backup server.

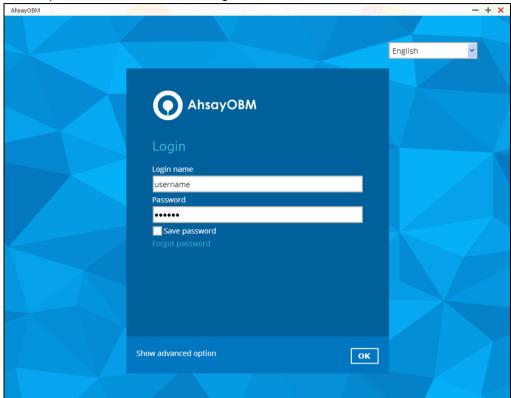
3. In case you want to enter the backup server setting provided by your backup service provider, click **Show advanced option**.



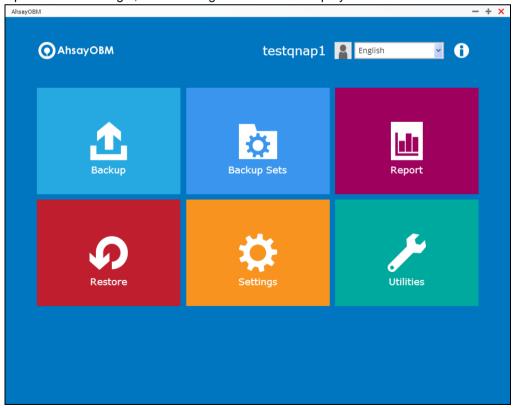
4. Click **OK** after typing in the backup server information. You can turn on the Proxy feature if needed.



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



6. Upon successful login, the following screen will be displayed.



# 5 Create a Backup Set

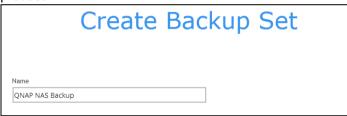
1. Click the Backup Sets icon on the main interface of AhsayOBM.



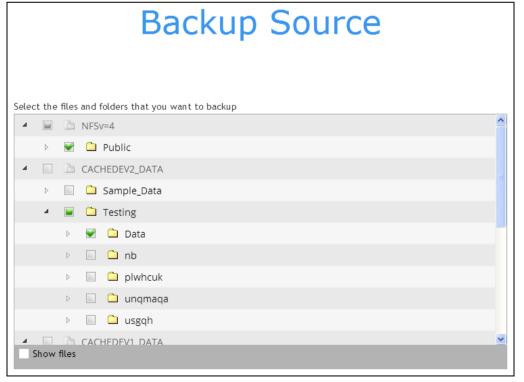
2. Create a backup set by clicking "+ Add new backup set".



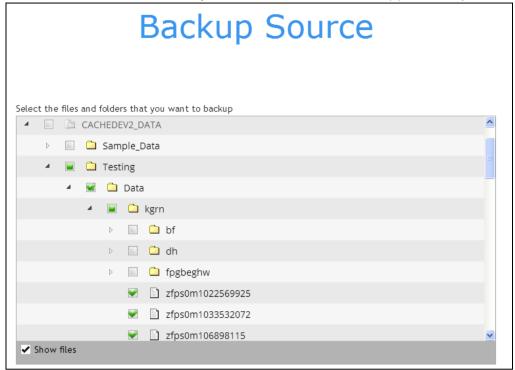
3. When the Create Backup Set window appears, name your new backup set, then click **Next** to proceed.



4. In the Backup Source window, select the files and folders that you would like to backup.

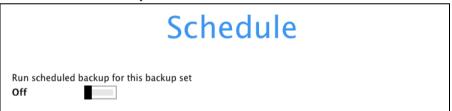


5. Click the **Show files** checkbox if you want to select individual file(s) for backup.

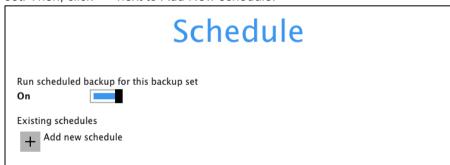


After selecting the backup source, click Next to proceed.

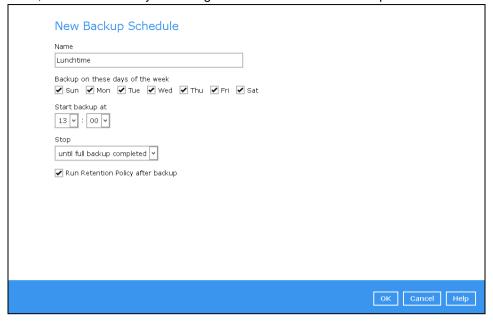
- 6. When the Schedule window appears, you can configure a backup schedule to automatically run a backup job at your specified time interval. In the Schedule window, the Run scheduled backup for this backup set is **Off** by default.
  - You can leave it as is if you want to add a schedule later.



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

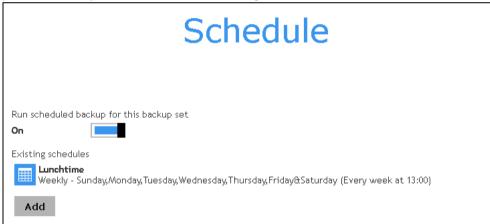


When the **New Backup Schedule** window appears, specify your backup schedule. Then, click **OK** to save your changes and close the New Backup Schedule window.



**Note:** For details about the options from the dropdown menus, please refer to Configure Backup Schedule for Automated Backup.

7. 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.



8. The Destination window will appear.

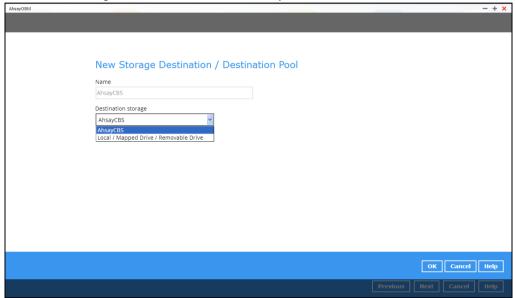


Select the appropriate option from the **Backup mode** drop down menu.

- 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

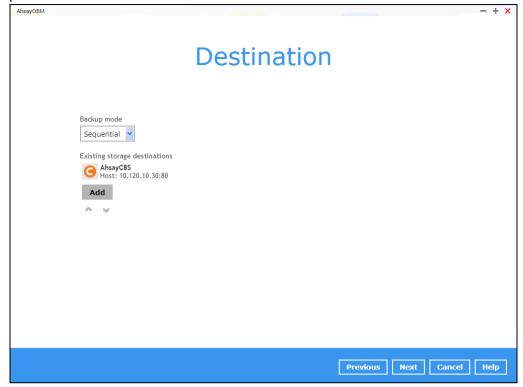
To select a backup destination for the backup data storage, click the "+" icon next to **Add new** storage destination / destination pool.

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

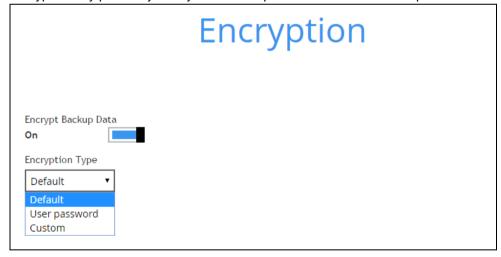


**Note:** For more details on configuration of cloud storage as backup destination, refer to Appendix A in this guide.

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



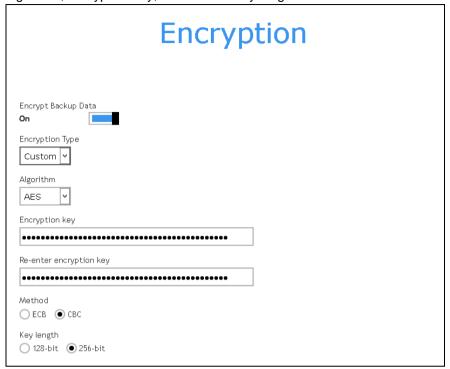
11. In the Encryption window, the default **Encrypt Backup Data** option is enabled with an encryption key preset by the system which provides the most secure protection.



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 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.



**Note:** For best practice on managing your encryption key, refer to the following KB article. <a href="http://wiki.ahsay.com/doku.php?id=public:5034">http://wiki.ahsay.com/doku.php?id=public:5034</a> best practices for managing encryption key Click **Save** when you are done with the settings.

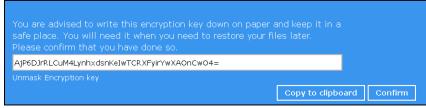
,

12. 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.

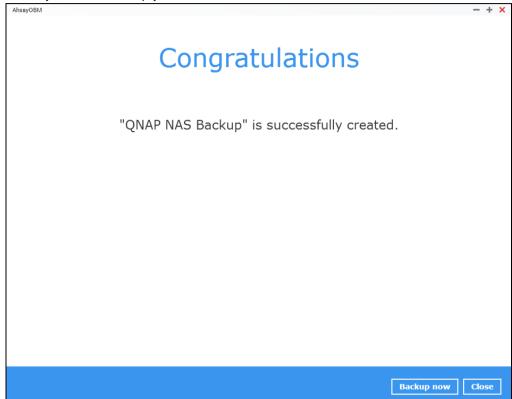


The pop-up window has the following three options to choose from:

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

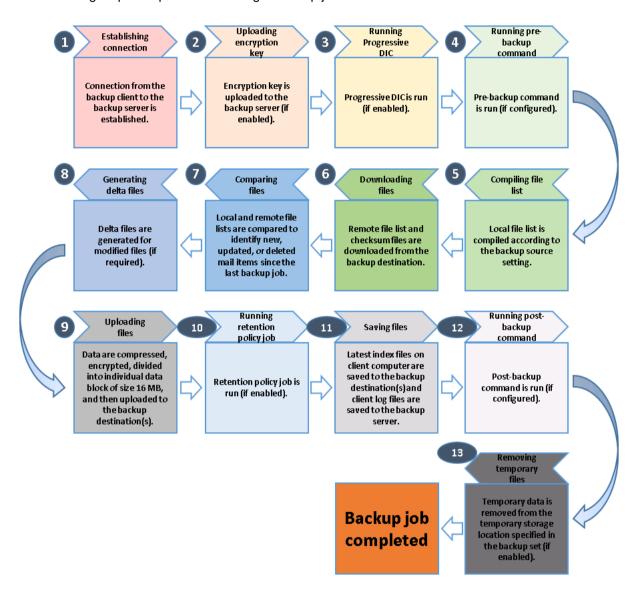


- Copy to clipboard Click to copy the encryption key, then you can paste it in another location of your choice.
- ➤ **Confirm** Click to exit this pop-up window and proceed to the next step.
- 13. Upon successful creation of the backup set, the following screen will appear. You can click **Backup now** to back up your data or click **Close** to exit.



# 6 Overview on Backup Process

The following steps are performed during a backup job.



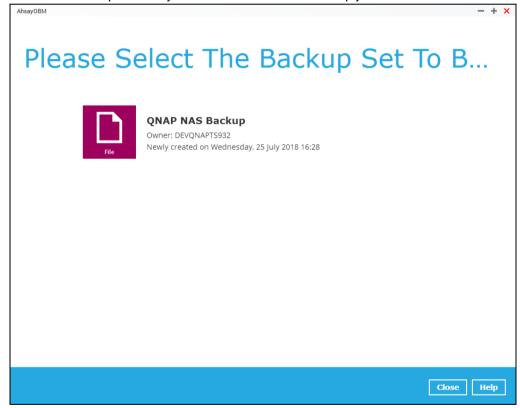
# 7 Run Backup Jobs

# Start a Manual Backup

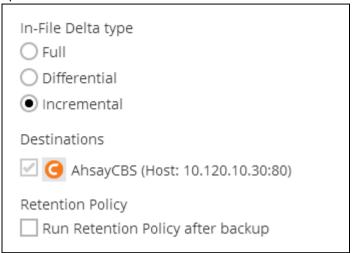
- 1. Login to the AhsayOBM application with the instructions provided in Login to AhsayOBM.
- 2. Click Backup on the main interface of AhsayOBM.



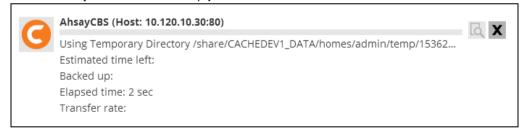
3. Select the backup set that you would like to start a backup job with.



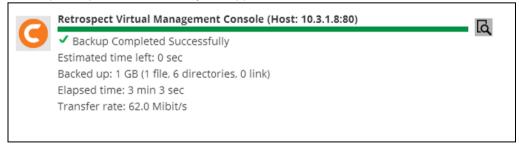
4. When the following options are shown, it is recommended that you tick the checkbox next to **Run Retention Policy after backup** in the Retention Policy section at the bottom. This will help you save hard disk quota in the long run. In the In-File Delta type section, the following three options are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



- 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).
- 5. Click **Backup** to start the backup job. The status will be shown.



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



7. 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.

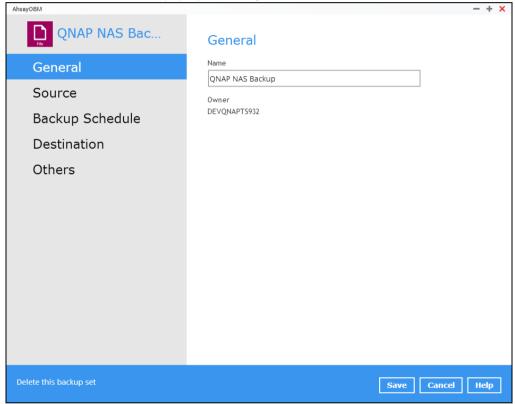


# **Configure Backup Schedule for Automated Backup**

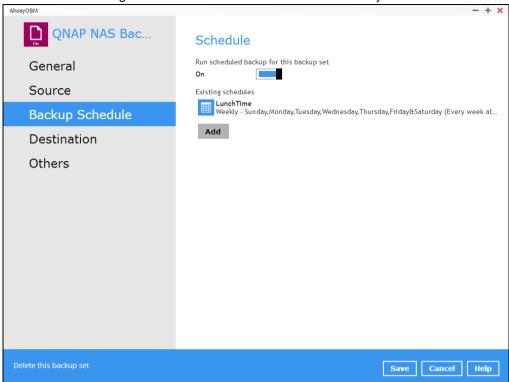
1. Click **Backup Sets** on the AhsayOBM main interface.



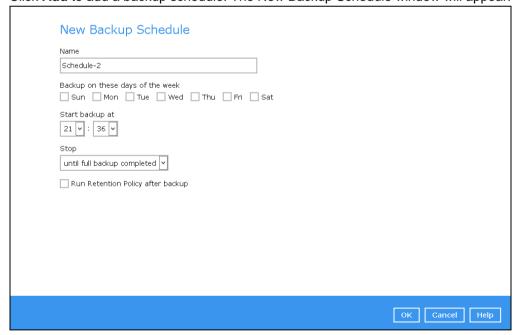
2. All backup sets will be listed. Select the backup set that you would like to create a backup schedule for. A screen will pop up, showing the General tab.



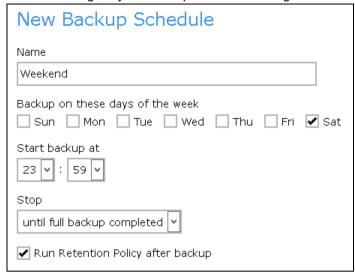
3. Go to the **Backup Schedule** tab. In case **Run scheduled backup for this backup set** is off, switch it **On**. Existing schedules will be listed at the bottom if any.



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

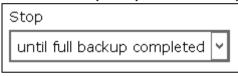


5. You can configure your backup schedule settings.

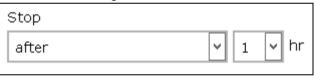


The **Stop** dropdown menu offers two options:

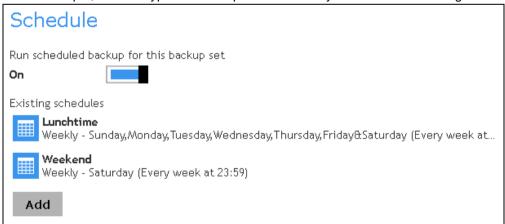
until full backup completed – in case you prefer a complete backup



 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



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



6. Click **Save** to confirm your settings.

#### 8 Restore Data

## Login to AhsayOBM

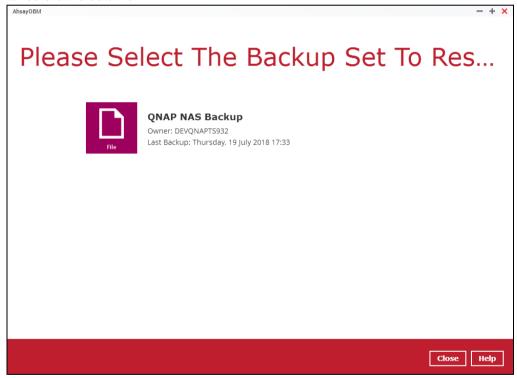
Login to the AhsayOBM application with the instructions provided in Login to AhsayOBM.

#### **Restore Data**

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



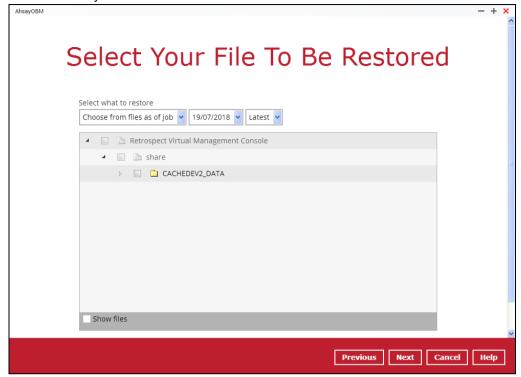
2. All the available backup sets for restore will be listed. Select the backup set that you would like to restore the data from.



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.



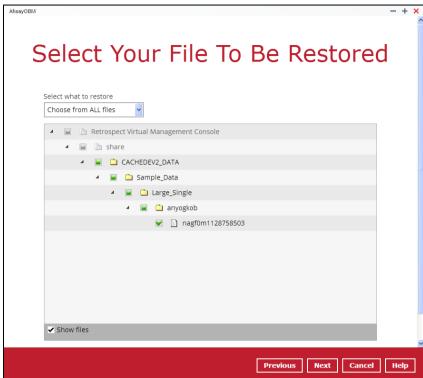
There are two options from the **Select what to restore** drop-down menu:

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



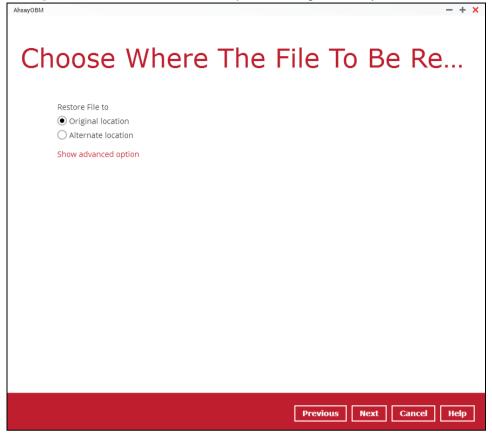
• Choose from ALL files – This option allows you to restore all the available backup files and folders for this backup set. Among all the available backup files and folders, you can even select only some of the backup files or folders to

#### restore.

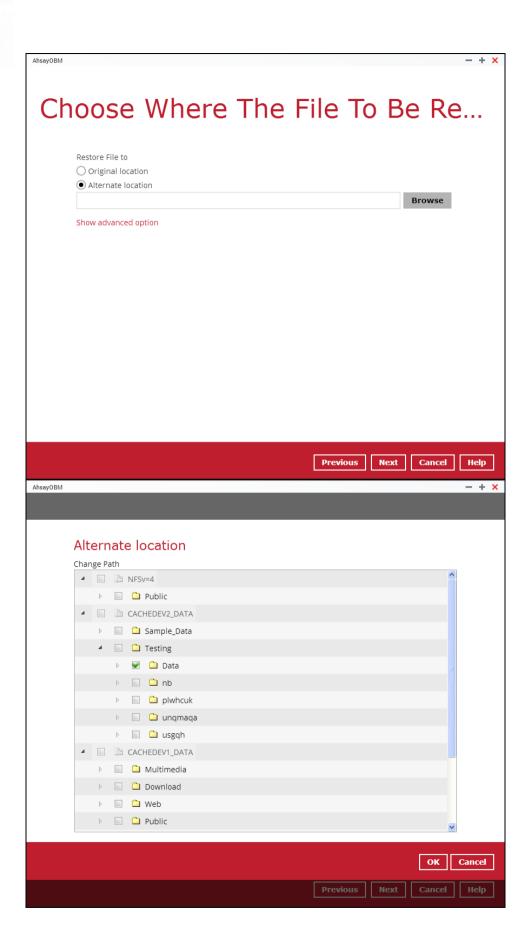


- 5. Click the **Show files** checkbox to select individual files for restoration. Click **Next** to proceed when you are done with the selections.
- 6. Select to restore the files to their **Original location**, or to an **Alternate location**. Then click **Next** to proceed.
  - Original location the 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.



• 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:

Restore File to		
<ul> <li>Original location</li> </ul>		
Alternate location		
Show advanced option		
Overwrite mode during restoration:  Skip All Overwrite all		
☐ Restore file permission ☐ Delete extra files ☑ Follow Link	าร	
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

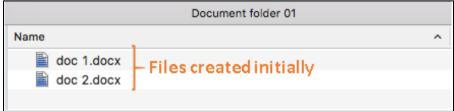
Restore file permissions are disabled by default. When you perform a file restore on a shared computer, it is recommended that you enable Restore file permissions by ticking the checkbox so that the files restored will not be fully accessible to everyone using the shared computer.

#### 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.

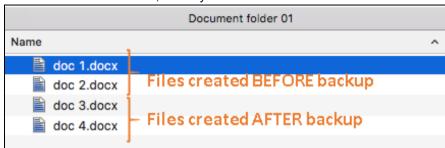
#### Example:

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

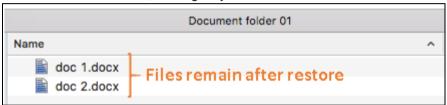


A backup is performed for folder Document folder 01.

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



- A restore is performed for the Document folder 01, with Delete extra files option enabled.
- 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
	Original location	Symbolic link or junction point is restored to the original backup location.
Enabled		Target directories or files are also restored to the original backup location.
Ellabled	Alternate	Symbolic link or junction point is restored to the location specified.
	location	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.
Disableu	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.

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

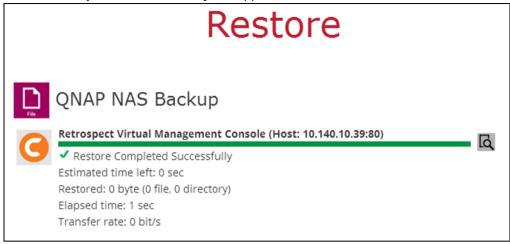
7. Select the temporary directory for storing temporary files, such as delta files when they are being merged.



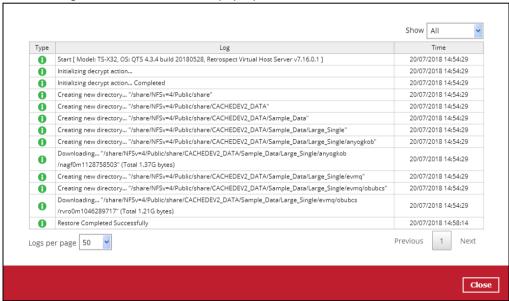
8. Click **Restore** to start the restore. The status will be shown.



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



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.



- 10. In the Restore window, click Close to close the Restore window.
- 11. To exit AhsayOBM, click the red "x" on the top right corner. 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: <a href="https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp">https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp</a>

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

http://wiki.ahsay.com/doku.php?id=public:home

#### **Documentation**

Documentations for all Ahsay products are available at:

https://www.ahsay.com/jsp/en/home/index.jsp?pageContentKey=ahsay\_downloads\_documentation\_quides

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**

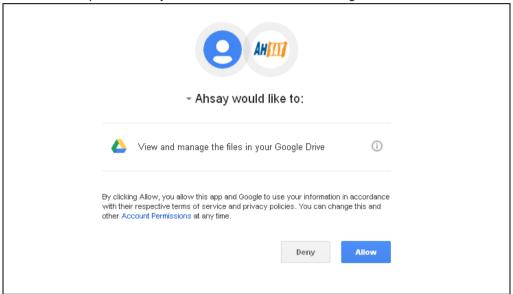
## **Cloud Storage as Backup Destination**

For most cloud storage providers (e.g. Dropbox, Google Drive, etc.), you need to enable access of AhsayOBM on your cloud destination. Click **OK** / **Test**, you will be prompted to login to the corresponding cloud service.

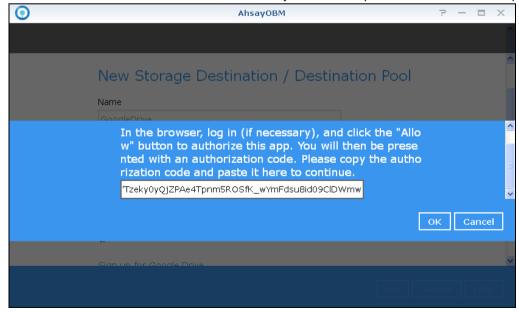
#### **IMPORTANT**

The authentication request will be opened in a new tab / window on the browser, ensure that the pop-up tab / window is not blocked.

1. Click **Allow** to permit AhsayOBM to access the cloud storage.



2. Enter the authentication code returned in AhsayOBM to complete the destination setup.



#### NOTE

A backup destination can be set to a supported cloud storage, backup server, FTP / SFTP server, network storage, or local / removable drive on your computer.

Multiple backup destinations can be configured for a single backup set. In fact it is recommended for you to set up at least 2 backup destinations for your backup set.

For more details on backup destination, for example which cloud service providers are supported, destination type, or limitation, you can refer to the following article:

http://wiki.ahsay.com/doku.php?id=public:5026 faq on backup destination&s[]=frequently

## **Uninstall AhsayOBM**

Refer to the following steps to uninstall AhsayOBM.

1. Login to QNAP QTS with the admin account. In a web browser, enter the QNAP NAS device IP address and use the login credentials to login.

**Note:** Refer to the following user manual for information on how to login to QTS: <a href="https://www.qnap.com/en/support/con\_show.php?cid=11">https://www.qnap.com/en/support/con\_show.php?cid=11</a>



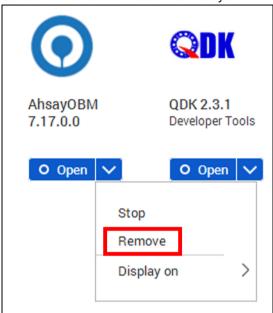
2. Click the App Center icon on the desktop.



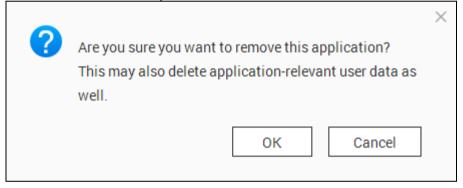
3. When the App Center window appears, click the arrow icon of AhsayOBM.



4. Select **Remove** to uninstall the AhsayOBM.



5. Click **OK** to uninstall AhsayOBM.



**Note**: If you select **OK**, AhsayOBM program files, user settings and AhayOBM-relevant user data will be removed from the NAS drive.

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

