

# **Online-Backup.dk v9**

## **Cloud File Backup & Restore Guide for MacOS**

Ahsay Systems Corporation Limited

**8 February 2022**

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## Revision History

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Date	Descriptions	Version
28 January 2022	▪ Ch. 4 – added migrate data	9.1.0.0

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# 1 Overview

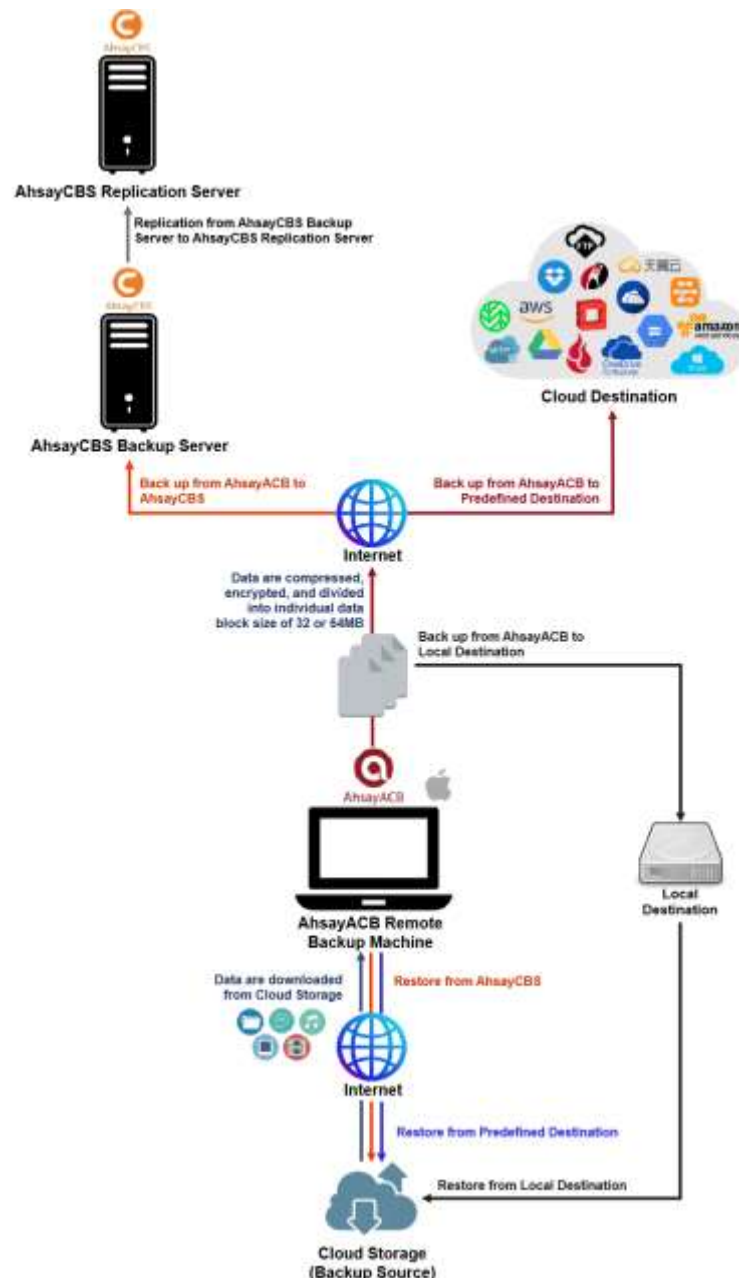
## 1.1 What is this software?

Ahsay brings you specialized client backup software, namely AhsayACB, that allows you to back up your data stored on the cloud storage to either the AhsayCBS backup server, another cloud or predefined storage, and local destination. This provides set of tools that include backup and recovery of individual files with versioning and retention policy to protect your data on cloud storages.

## 1.2 System Architecture

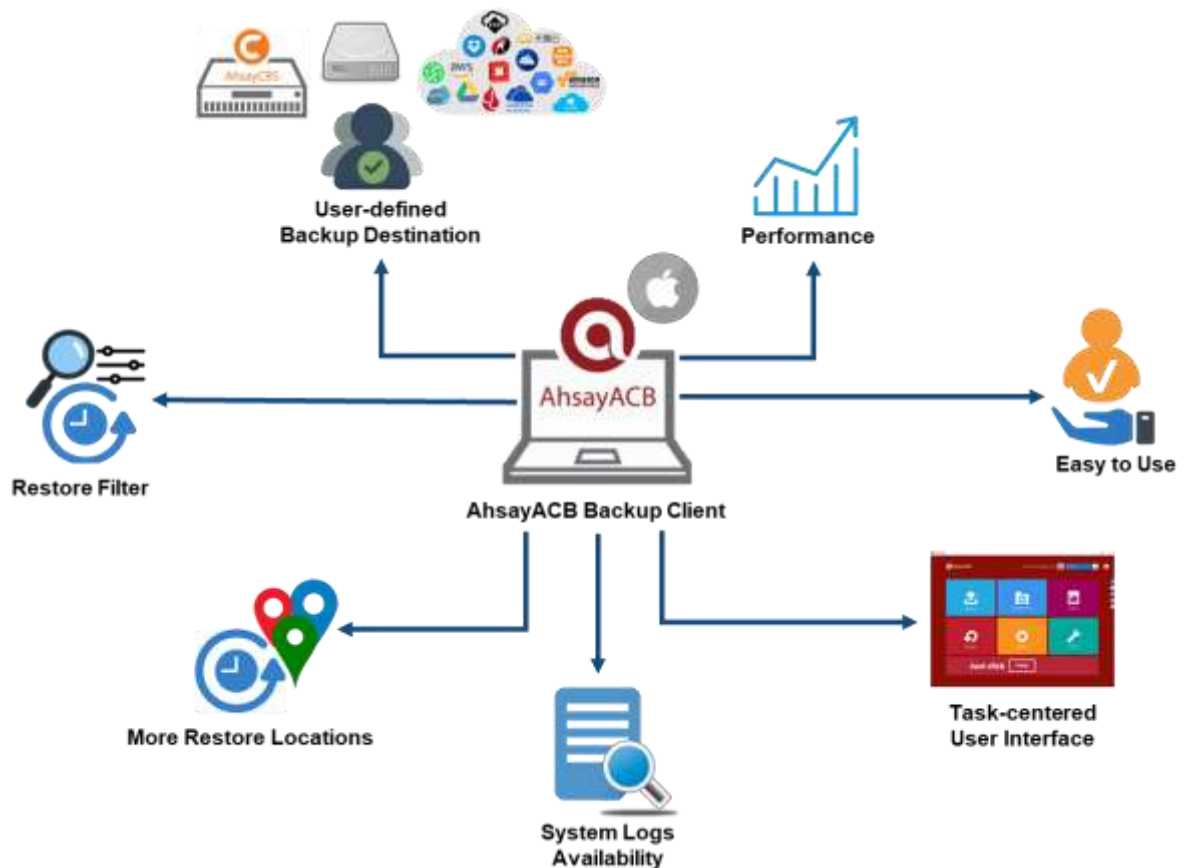
For agent-based backup and restore, the AhsayACB initiates connection to the cloud storage (backup source) through the internet via the deployed backup agent on the customer's site.

Below is the system architecture diagram illustrating the major elements involved in the backup and restore process using the AhsayACB Run on Client (Agent-based) backup configuration.



## 1.3 Why should I use AhsayACB (Agent-based) Solution to back up my cloud data?

We are committed to bringing you a comprehensive Run on Client (Agent-based) cloud backup and recovery solution with AhsayACB. Below are some key areas that we can help to make your backup experience a better one.



### User-defined Backup Destination

Backup users have more options in assigning a backup destination (i.e. AhsayCBS, Cloud or Predefined destinations, and standard and local destination).

### Performance

Agent-based backup is performed on a physical machine or computer with resources that is dedicated for backup and restore operations. Once the backup client is deployed on the machine, the user have more control on the hardware which affects the overall backup and restore performance.

### Easy to Use

Agent-based backup solution has a traditional backup approach that is well understood by most administrators and end users who would only need minimal effort and time to understand the backup and/or restore operations.

## Task-centered User Interface

Agent-based backup solution make it a good option for users to have more control on the individual backup/restore and resources management.

## System Logs Availability

System logs for data integrity check and space freeing up results is accessible for the end users and can be reviewed anytime. Unlike with the agentless backup where system logs will only be available upon request from the backup service provider.

## More Restore Locations

Agent-based backup offers you three (3) restore locations such as the local machine, original location (or the cloud storage where you backed up them), and alternate location (which is through the same cloud storage but on a different folder).

## Restore Filter

Agent-based backup has a restore filter feature which allows users to easily search directories, files, and/or folders to restore.

















## High Level of Security

We understand that the data on your cloud storage may contain sensitive information that requires to be protected, that is why we ensure that your backup data will be encrypted with the highest level of security measure.

- **Un-hackable Encryption Key** – to provide the best protection to your backup data, the encryption feature which will default encrypt the backup data locally with an AES 256-bit randomized encryption key.
- **Encryption Key Recovery** – Furthermore, we have a backup plan for you to recover your encryption key in case you have lost it. Your backup service provider can make it mandatory for you to upload the encryption key to the centralized management console, the encryption key will be uploaded in hashed format and will only be used when you request for a recovery.

## Cloud Destinations Backup

By default, the AhsayCBS is set as the storage destination in creating a cloud file backup set. However, you may add another storage destination(s) as provided by your backup service provider. Below is a list of supported cloud destinations:

	<b>Aliyun</b>		<b>Microsoft Azure</b>
	<b>CTYun</b>		<b>Microsoft OneDrive</b>
	<b>Amazon S3</b>		<b>Microsoft OneDrive for Business</b>
	<b>AWS S3 Compatible Cloud Storage</b>		<b>Rackspace</b>
	<b>Wasabi</b>		<b>OpenStack</b>
	<b>Backblaze</b>		<b>Dropbox</b>
	<b>Google Cloud Storage</b>		<b>FTP</b>
	<b>Google Drive</b>		<b>SFTP</b>

### NOTE

For more details, please contact your backup service provider.



## Run on Client

A Run on Client Cloud File Backup Set provides you with an agent-based backup solution. Manual, scheduled, or continuous backup job is performed on the client computer. A backup agent needs to be installed on the client machine in order to back up your data on cloud storage(s).

## Differences between a Run on Client and Run on Server Backup Set

The following table summarizes the differences in backup options available between a Run on Client and Run on Server cloud file backup set, and the tool to use (client agent or web console) when performing a backup and restore:

Features/Functions	Run on Client Cloud File Backup Set	Run on Server Cloud File Backup Set
General Settings	✓	✓
Backup Source	✓	✓
Backup Schedule	✓	✓
Continuous Backup	AhsayOBM / AhsayACB for Windows only	✓
Destination	AhsayCBS, Predefined Destinations, Standard and Local	AhsayCBS or Predefined Destinations only
Multiple Destinations	✓	✗
Deduplication	AhsayOBM	AhsayOBM
Retention Policy	✓	AhsayOBM
Command Line Tool	AhsayOBM	✗
Reminder	AhsayOBM / AhsayACB for Windows only	✗
Restore Filter	✓	✗
Bandwidth Control	✓	AhsayOBM
IP Allowed for Restore	✓	✗
System Logs of Data Integrity Check and Space Freeing Up	✓	✗
Others	✓	✓
<b>To Run a Backup</b>	AhsayOBM / AhsayACB	AhsayCBS User Web Console only
<b>To Run a Restore</b>	AhsayOBM / AhsayACB / AhsayOBR	AhsayCBS User Web Console only

Aside from the backup options, the table below shows other operations that can be performed using client agent and web console:

Features/Functions	Run on Client Cloud File Backup Set	Run on Server Cloud File Backup Set
Data Integrity Check	✓	✓
Space Freeing Up	✓	✗
Delete Backup Data	✓	✓
Decrypt Backup Data	✓	✗

**NOTE**

For more details on the Run on Server backup option, please refer to the following guides:  
[AhsayCBS v9 User Guide – Cloud File Run on Server \(Agentless\) Backup and Restore Guide](#)

## 1.4 About This Document

### *What is the purpose of this document?*

This document aims at providing all necessary information for you to get started with setting up your system for Run on Client Cloud File backup and restore, followed by step-by-step instructions on a creating a backup set, running a backup, and restoring backup data using the AhsayACB client.

The document can be divided into three (3) main parts.

### **Part 1: Preparing for Cloud File Backup & Restore**

#### **Requirements**

Requirements on hardware & software installation

#### **Best Practices and Recommendations**

Items recommended to pay attention to before performing backup and restore

### **Part 2: Performing a Cloud File Backup**

#### **Logging in to AhsayACB client**

Log in to AhsayACB

#### **Creating a Backup Set**

Create a backup set using AhsayACB

#### **Running a Backup Set**

Run a backup set using AhsayACB

### **Part 3: Restoring a Cloud File Backup**

#### **Restoring a Backup Set using AhsayACB client**

Restore a backup set using AhsayACB

***What should I expect from this document?***

After reading through this documentation, you can expect to have sufficient knowledge to set up your system to backup data on Cloud storage using the client agent, as well as to carry out an end-to-end backup and restore process.

***Who should read this document?***

This documentation is intended for backup administrators and IT professionals who are responsible for the Cloud File backup and restore.

## 2 Preparing for Backup and Restore

### 2.1 Hardware Requirement

To achieve the optimal performance when AhsayACB is running on your machine, refer to the following article for the list of hardware requirements.

[FAQ: Ahsay Hardware Requirement List \(HRL\) for version 9.1 or above](#)

### 2.2 Software Requirement

Refer to the following article for the list of compatible operating systems and application versions.

[FAQ: Ahsay Software Compatibility List \(SCL\) for version 9.1 or above](#)

### 2.3 Internet / Network Connection

In order to allow access to the cloud storage, a stable internet connection must be available on the computer where the AhsayACB is installed. If large amounts of data are backed up from a cloud storage account then a fast internet connection is required.

### 2.4 AhsayACB Installation

Make sure that AhsayACB is installed on a computer with Internet access for connection to the cloud storage.

### 2.5 Valid AhsayACB User Account

A valid AhsayACB user account is required before you can log in to the AhsayACB client.

### 2.6 Ahsay License Requirement

#### ⦿ Licenses

The Cloud File Backup module is included in the basic AhsayACB license. There is no limit on the number of Cloud File backup sets in an AhsayACB user account.

For more details, please contact your backup service provider.

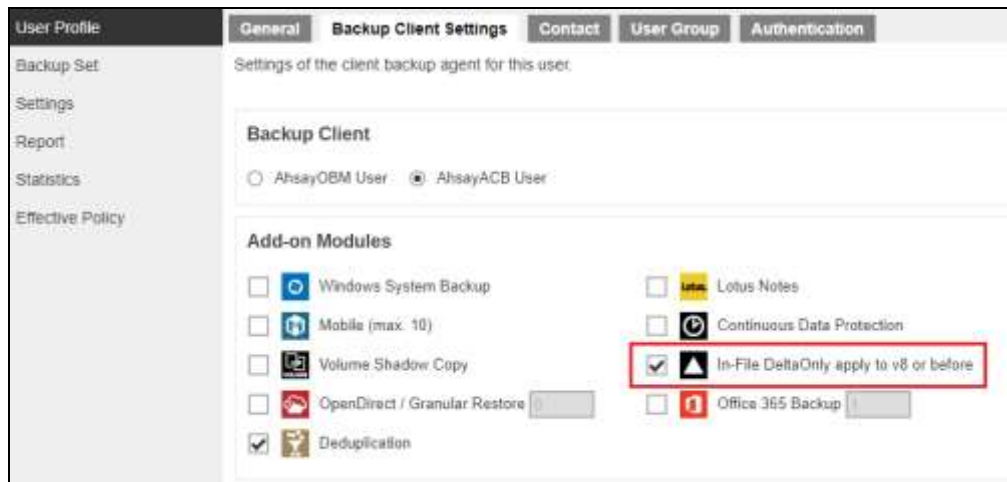
### 2.7 Add-on Module Requirements

#### ⦿ In-File Delta

The In-File Delta add-on module must be added on the AhsayACB user account if you would like to use this feature. This only applies to backup sets created using AhsayOBM v8 or before.

#### NOTE

This add-on module must be enabled on the AhsayACB user account. Please contact your backup service provider for details.

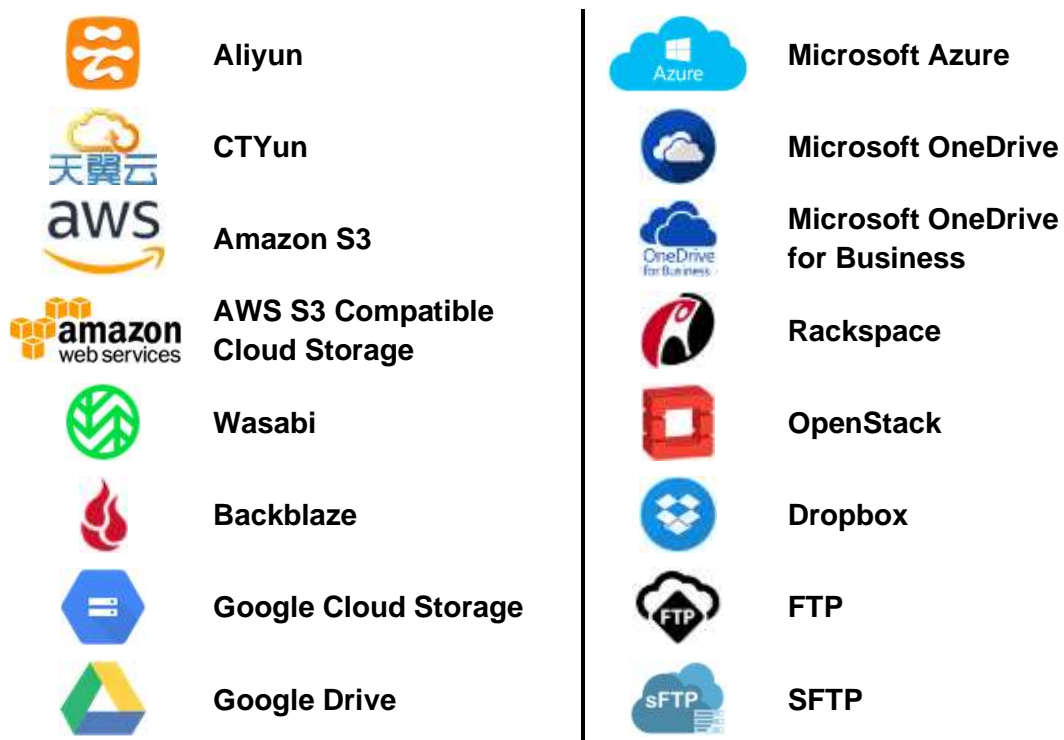


## 2.8 Backup Quota Requirement

Make sure that your AhsayACB user account has sufficient quota assigned to accommodate the storage for the Cloud File backup. Contact your backup service provider for details.

## 2.9 Cloud Sources

The AhsayACB Run on Client (Agent-based) Backup Solution supports the following cloud sources to back up as provided by your backup service provider:



## 2.10 Login Credentials to Cloud Storage

To allow access to the cloud storage (backup source) in performing a backup, make sure to have the correct login credentials to the cloud storage service.

## 2.11 Network Bandwidth

10 Mbps or above connection speed.

## 2.12 Best Practices and Recommendations

The following are some best practices or recommendations we strongly recommend you follow before you start any Cloud File backup and restore.

### • Backup Destination

To provide maximum data protection and flexible restore options for agent-based backup, it is recommended to configure:

- At least one offsite or cloud destination
- At least one local destination for fast recovery

### • Temporary Directory Folder Location

Temporary directory folder is used by AhsayACB for storing backup set index files and any incremental or differential backup files generated during a backup job. To ensure optimal backup/restoration performance, it is recommended that the temporary directory folder is set to a local drive.

### • Performance Recommendations

Schedule backup jobs when system activity is low to achieve the best possible performance.

### • Bucket Management for Enterprise Cloud Storage Providers

If you have chosen to back up files from an enterprise cloud storage (e.g., Amazon S3, Wasabi, Microsoft Azure, Google Cloud Storage, etc.), you will have to select a bucket name during the creation of cloud file backup set. Each bucket has a single compartment, and an access key is associated with a single bucket. Therefore, each backup set can back up one bucket.

For account with multiple buckets, the backup should be organized into one bucket per backup set. For best practice, make sure to assign one bucket name per backup set so you can ensure that you are selecting the correct file(s) to back up.

### • Test Restore Operations

Perform test restores periodically to ensure your backup is setup and backed up properly. Performing recovery test can also help identify potential issues or gaps in your recovery plan. It is important that you do not try to make the test easier, as the objective of a successful test is not to demonstrate that everything is flawless, but to discover faults in your recovery plan. There might be flaws identified in the plan throughout the test and it is important to identify those flaws.

### • Periodic Backup Schedule

The periodic backup schedule should be reviewed regularly to ensure that the interval is sufficient to handle the data volume on the machine. Over time, data usage pattern may change on a Cloud storage account, i.e., the number of new files created, the number of files which are updated/deleted, and new users may be added etc.

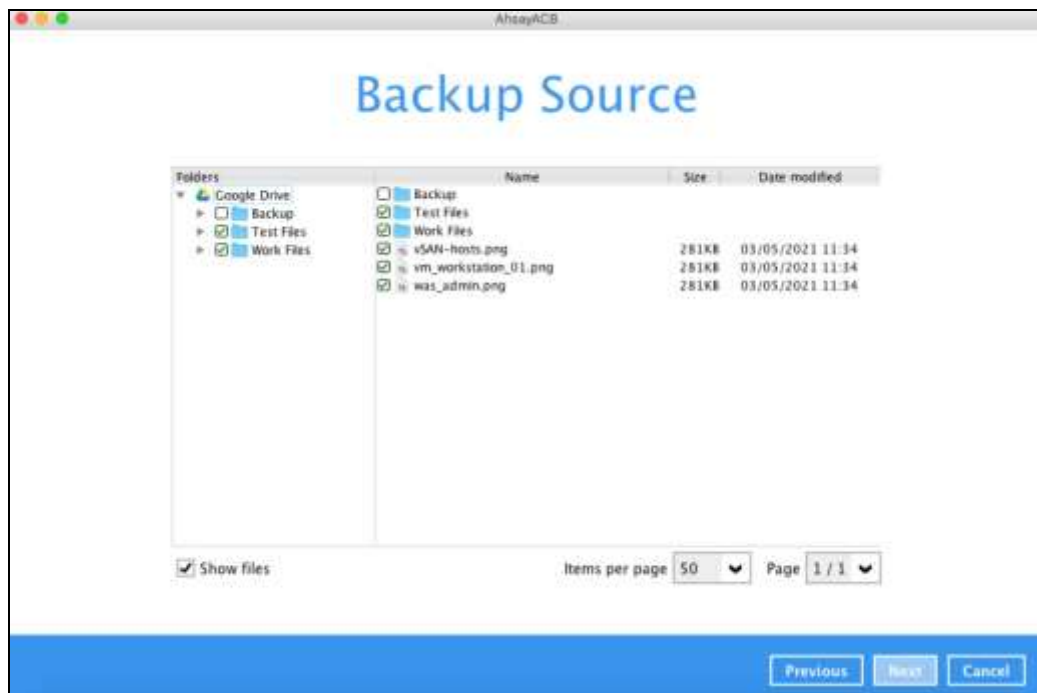
Consider the following key points to efficiently handle backup sets with periodic backup schedule.

- ⦿ Hardware – to achieve optimal performance, compatible hardware requirements is a must. Ensure you have the backup machine’s appropriate hardware specifications to accommodate frequency of backups,
  - so that the data is always backed up within the periodic backup interval
  - so that the backup frequency does not affect the performance of the production server
- ⦿ Retention Policy - also make sure to consider the retention policy settings and retention area storage management which can grow because of the changes in the backup data for each backup job.

## 2.13 Limitations

For backup source selection:

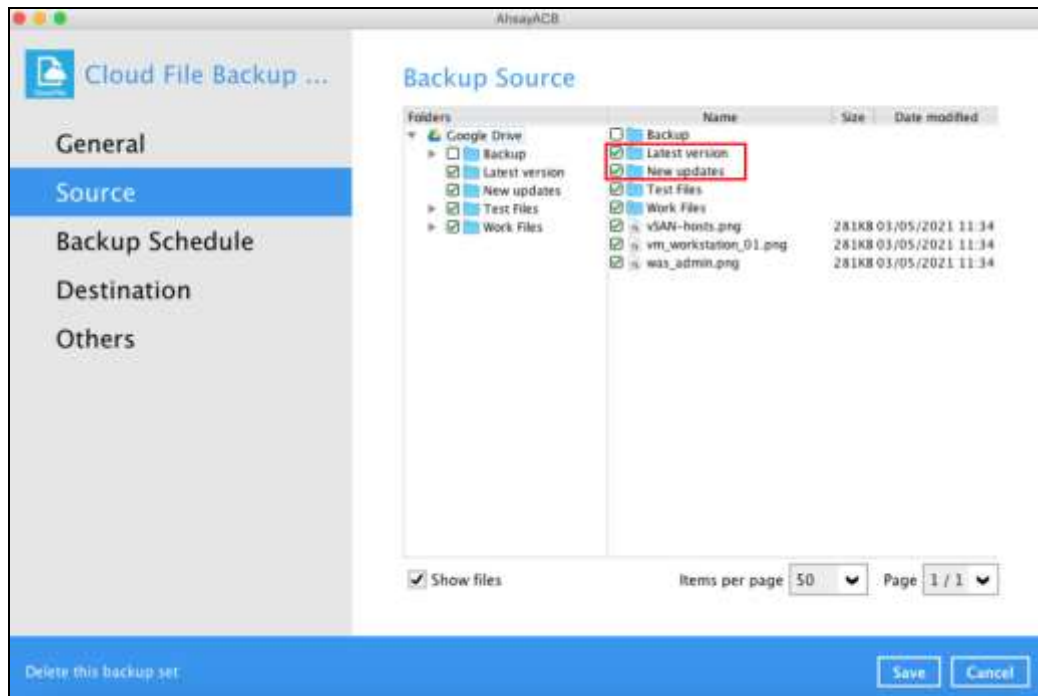
1. It is currently not possible to select the entire contents of the Cloud drive. Existing top level folders and/or files must be selected individually. If you need to back up the contents of the entire Cloud drive, then all top level folders and/or files must be selected.



2. If there are any top level folders and/or files added to the Cloud drive after the backup set is created, they will not be added in the backup source automatically. The backup set will have to be manually updated to include the new top level folders and/or files before they can be backed up.

### Example:

If the “Latest version” and “New updates” folders were created after the creation of the backup set, and the contents of these folders must be backed up, then you must manually select these folders to be included in the backup.



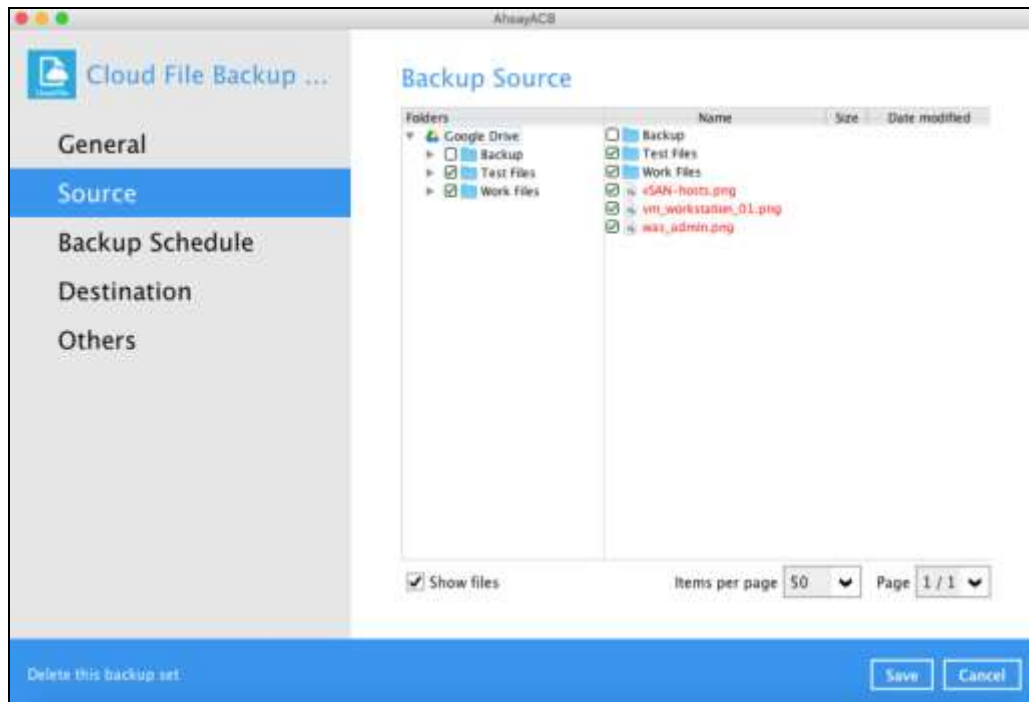
3. If there are any top level folders and/or files which have been deleted from the Cloud drive since the last backup job, they will not be removed from the backup source automatically. The backup set will have to be manually updated to unselect the deleted top level folders and/or files. Otherwise, the backup job will be completed with warnings.

#### Example:

The following files were backed up but subsequently deleted from the top level backup source of the Cloud drive: **was\_admin.png**, **vm\_workstation\_01.png**, **vSAN-hosts.png**. The next backup job will encounter the following warnings until these deleted files are unselected from the backup source.

The deleted files are highlighted in red on the backup source to indicate that they no longer exist on the Cloud storage account.





### Backup log

```
[2021/05/04 18:33:08] [warn] [1620120741994] Backup source
"vSAN-hosts.png" does not exist !

[2021/05/04 18:33:08] [cbs] [1620120741994] warn,"Backup
source \"vSAN-hosts.png\" does not exist !",0,0,0,,,

[2021/05/04 18:33:09] [warn] [1620120741994] Backup source
"vm_workstation_01.png" does not exist !

[2021/05/04 18:33:09] [cbs] [1620120741994] warn,"Backup
source \"vm_workstation_01.png\" does not exist !",0,0,0,,,

[2021/05/04 18:33:09] [warn] [1620120741994] Backup source
"was_admin.png" does not exist !

[2021/05/04 18:33:09] [cbs] [1620120741994] warn,"Backup
source \"was_admin.png\" does not exist !",0,0,0,,,
```

## 3 Creating a Cloud File Backup Set

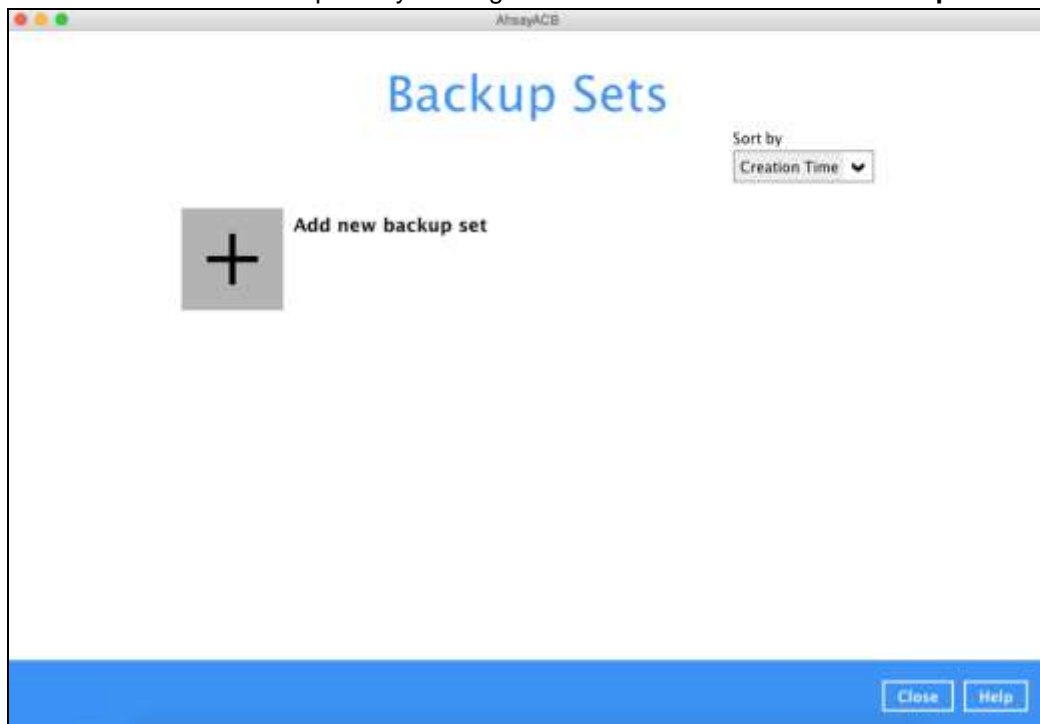
1. Log in to AhsayACB.

For instructions on how to do this please refer to [Chapter 7](#) of the AhsayACB v9 Quick Start Guide for Mac.

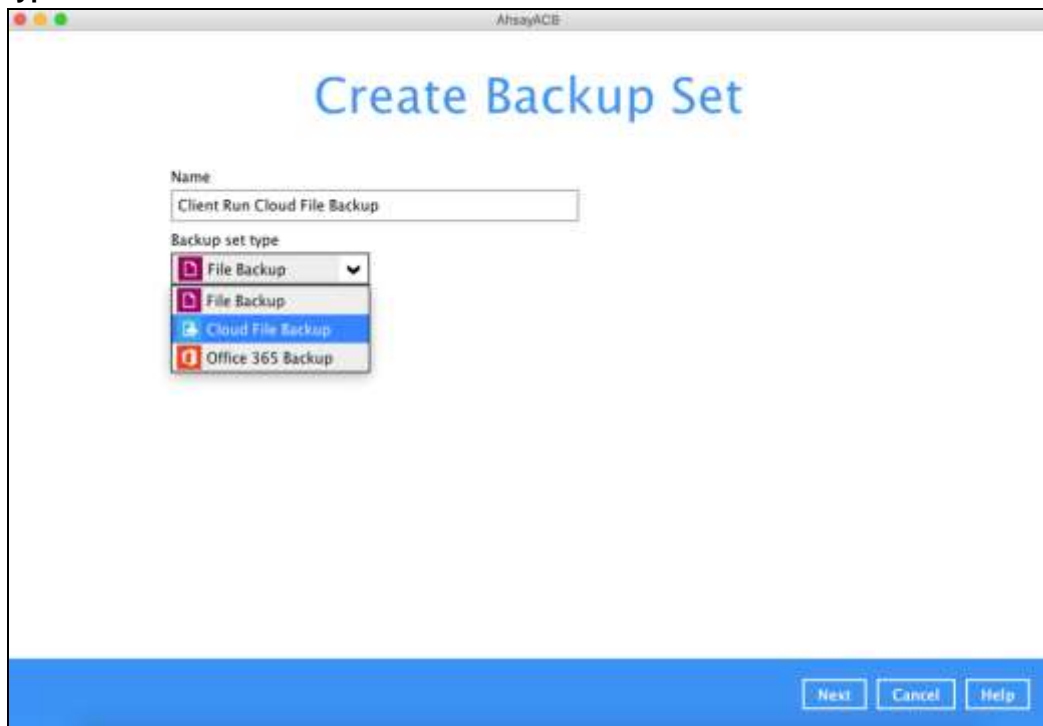
2. In the AhsayACB main interface, click **Backup Sets**.



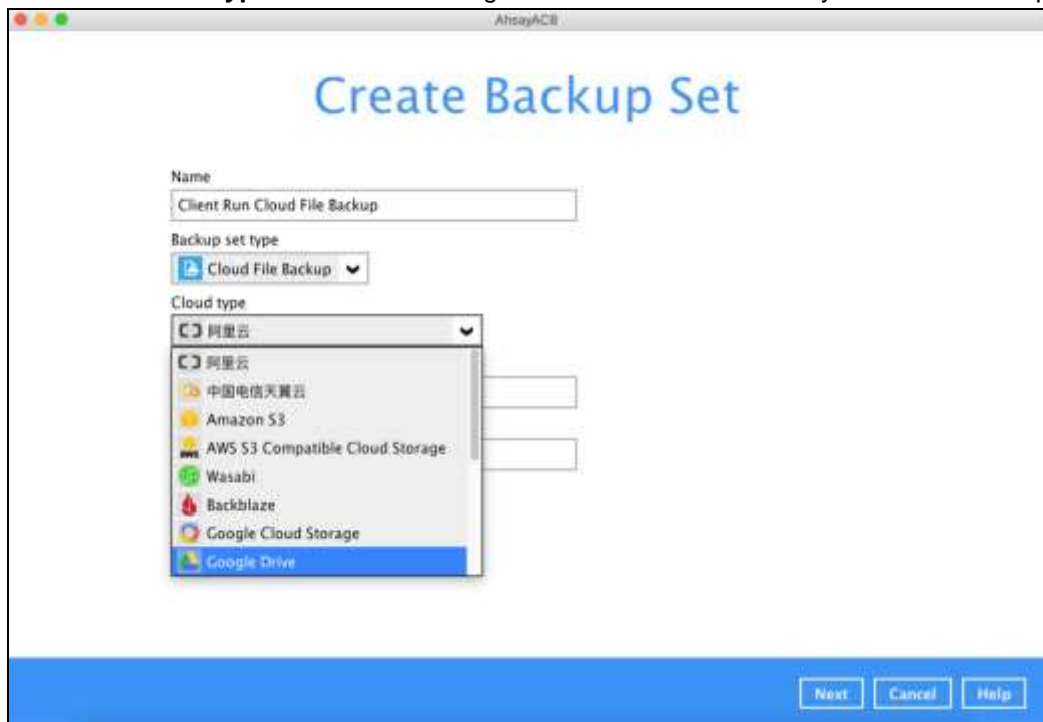
3. Create a Cloud File backup set by clicking the "+" icon next to **Add new backup set**.



4. Enter a **Name** for your backup set and select **Cloud File Backup** as the **Backup set type**.

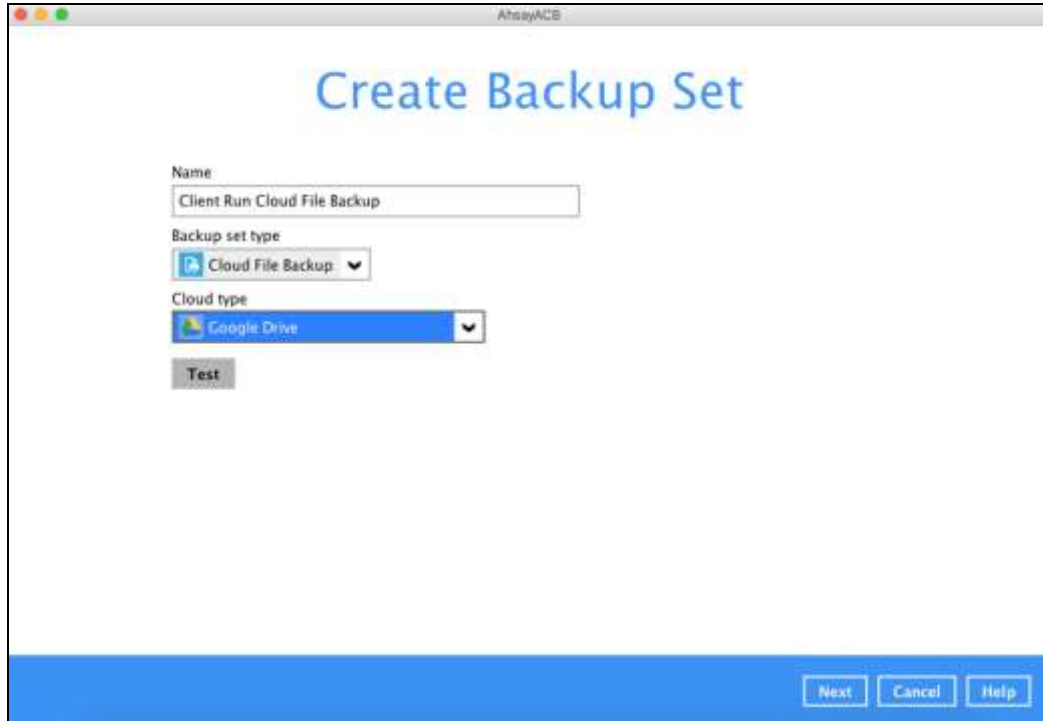


5. Select the **Cloud type** of the cloud storage that contain the data that you want to backup.

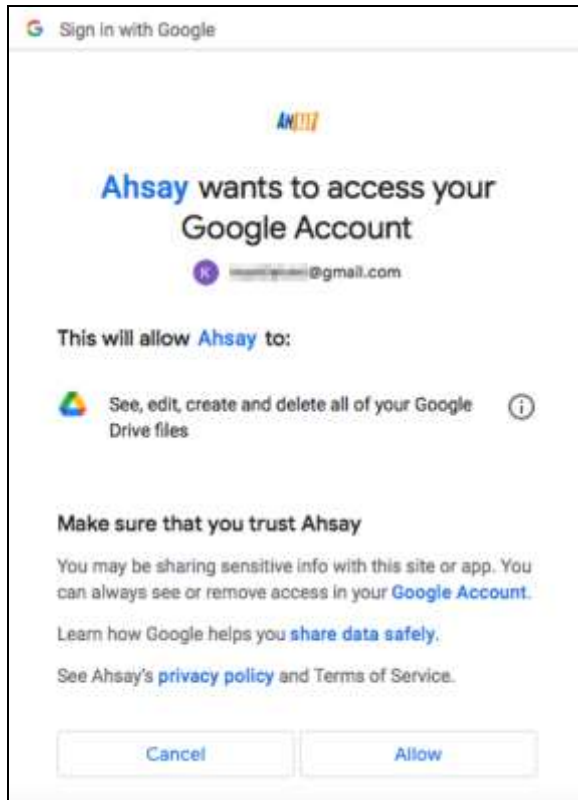


- Depending on the cloud type you have selected, you will be prompted to enter the cloud service login details.

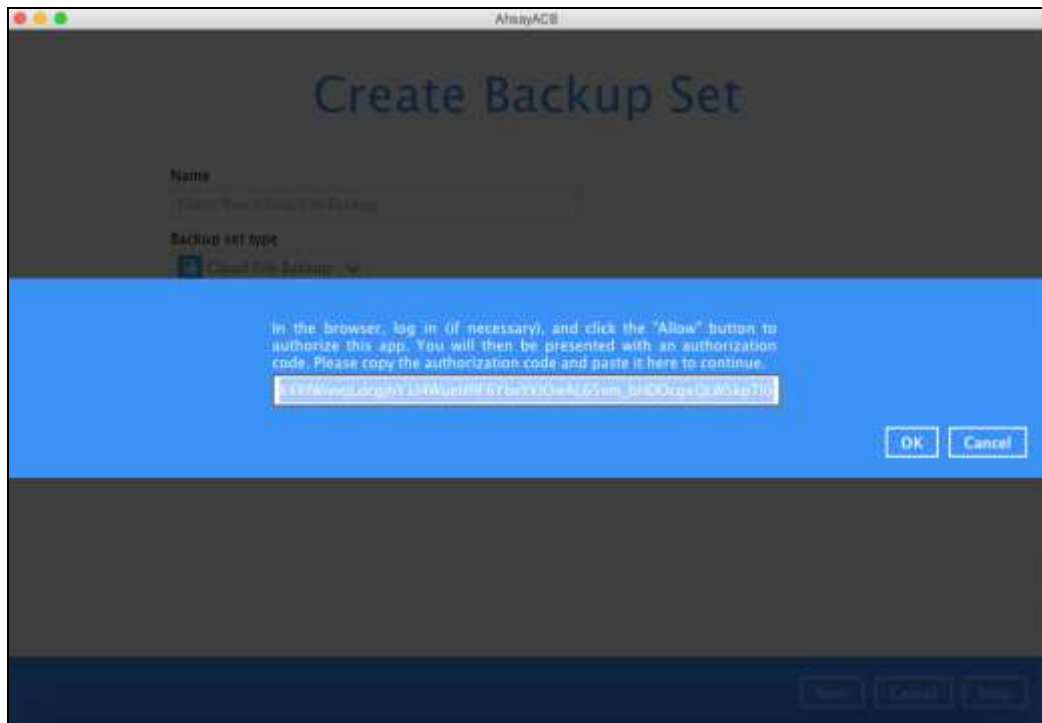
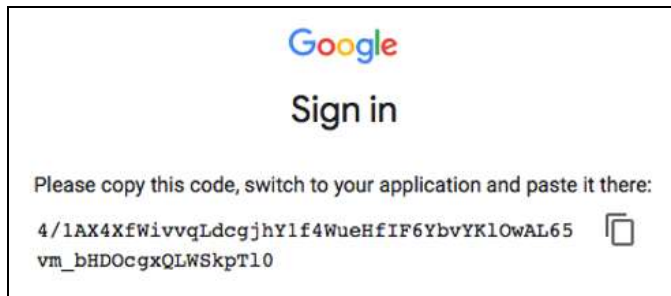
Click **Test** to get redirected to the login page of the cloud service provider on your default browser, then enter the login details there.



Click **Allow** to permit AhsayACB to access the cloud storage.



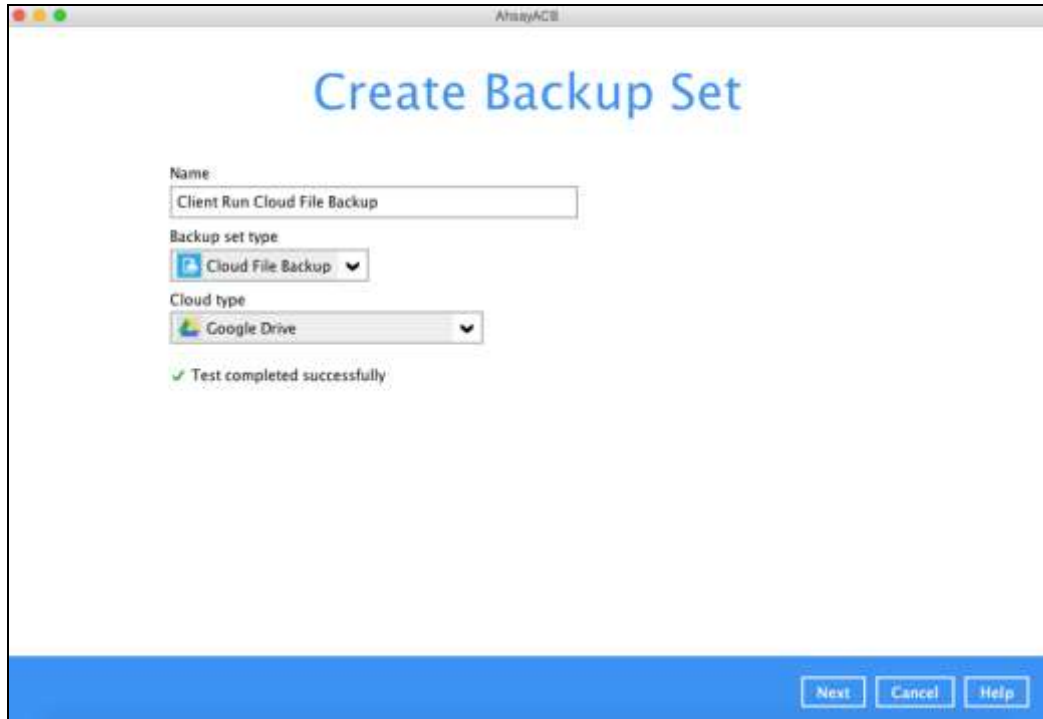
Copy and paste the code generated by the cloud service provider to AhsayACB, then click **OK** to confirm.



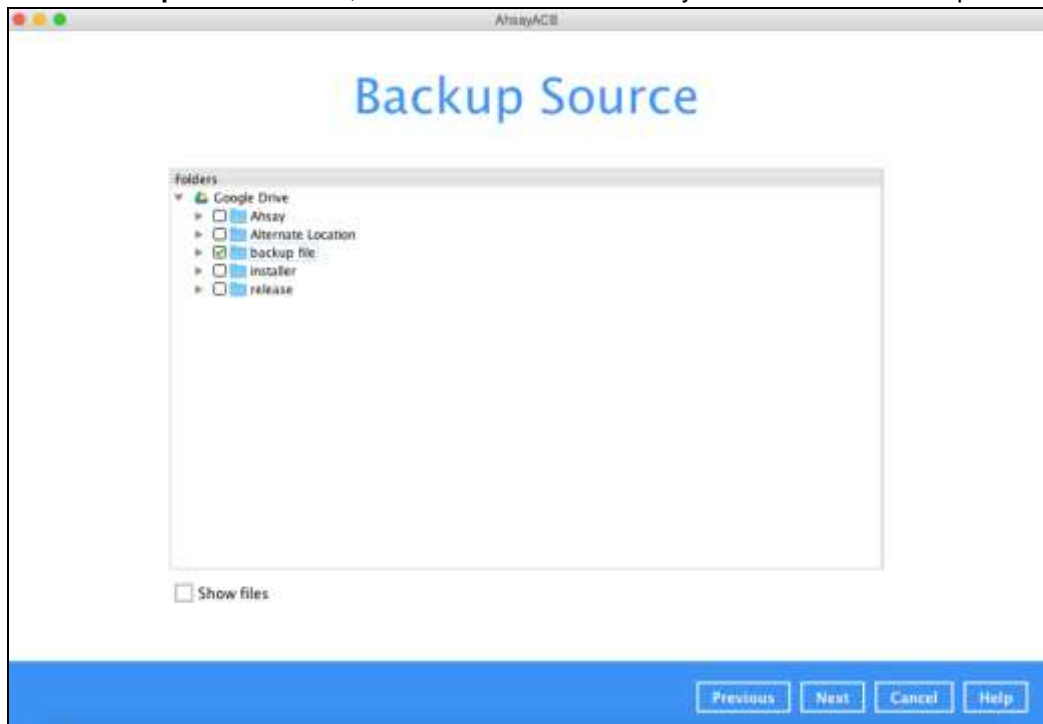
**NOTE**

The authentication request will be opened in a new tab or window. Ensure that the pop-up window is not blocked, and pop-up blocker is disabled in your browser.

Click **Next** to proceed.



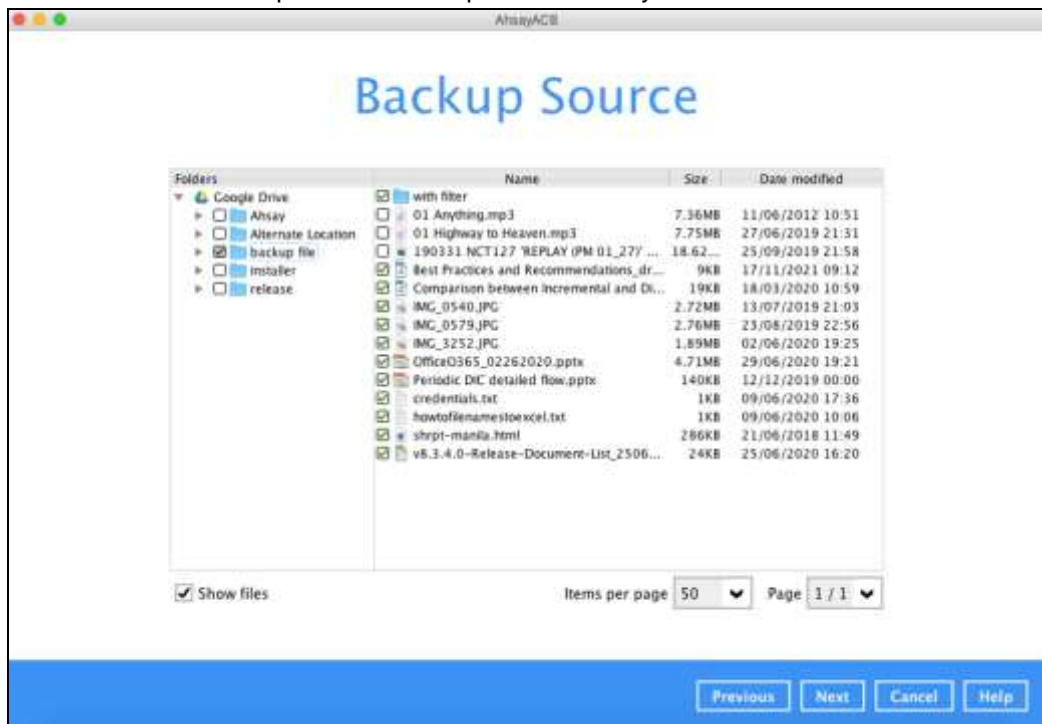
7. In the **Backup Source** menu, select the folder / files that you would like to backup.



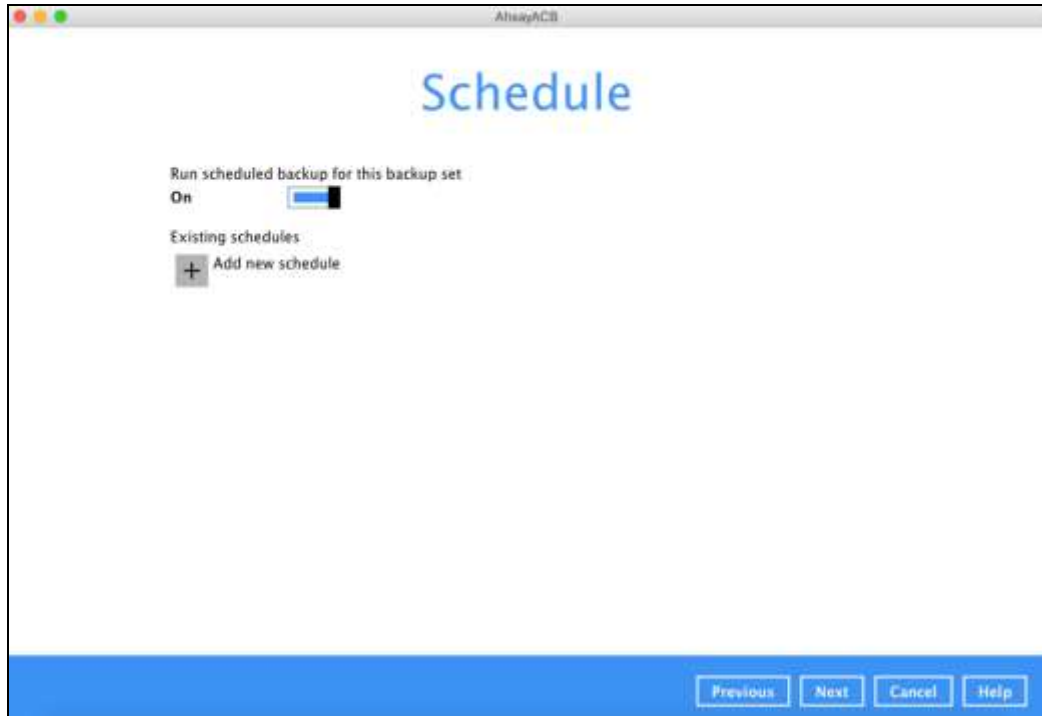
**NOTE**

There are limitations in selecting files and/or folders in the backup source menu. For further details, please refer to [Ch. 2.13 Limitations](#).

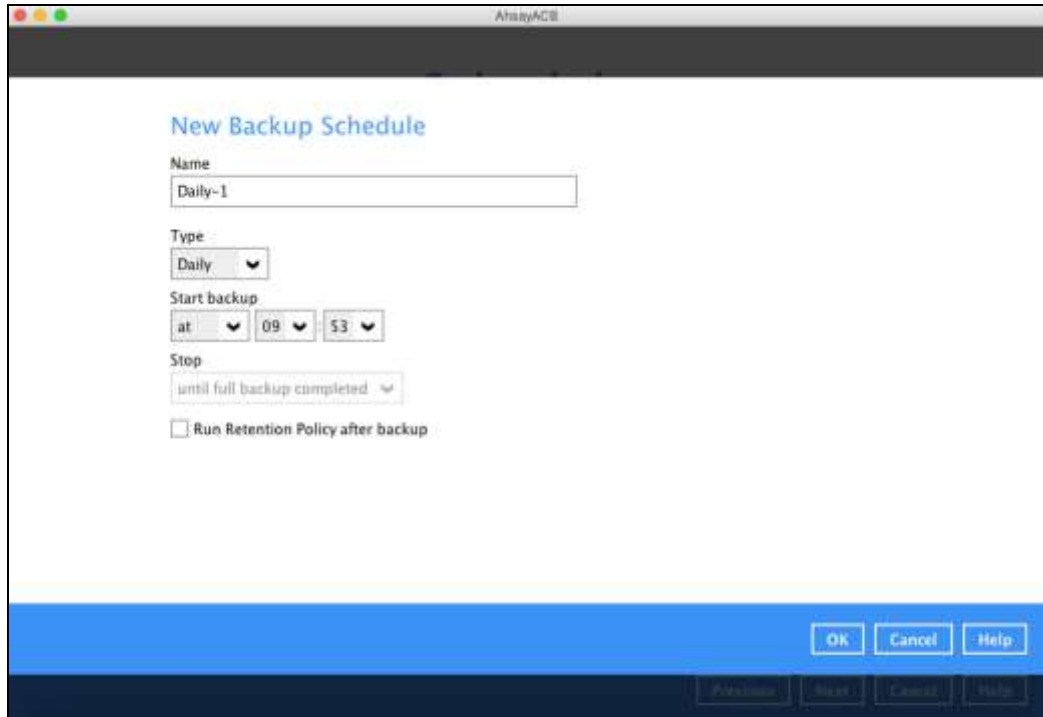
Tick the **Show files** checkbox at the bottom left corner if you would like to choose individual file for backup. Click **Next** to proceed when you are done with the selection.



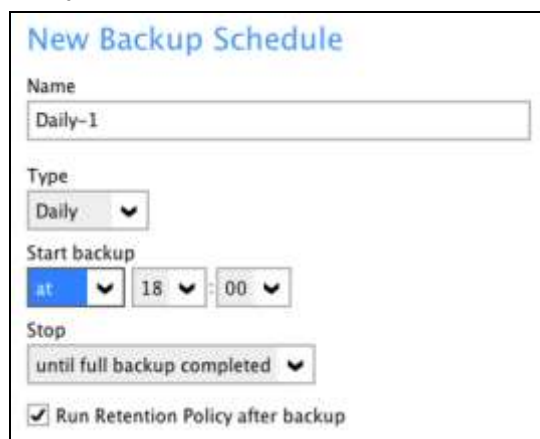
8. In the **Schedule** menu, configure a backup schedule for backup job to run automatically at your specified time interval. Click **Add new schedule** to add a new schedule, then click **Next** to proceed afterward.



In the New Backup Schedule window, configure the following backup schedule settings.



- ▶ **Name** – the name of the backup schedule.
- ▶ **Type** – the type of the backup schedule. There are four (4) different types of backup schedule: Daily, Weekly, Monthly and Custom.
  - ◉ **Daily** – the time of the day or interval in minutes/hours when the backup job will run.





- ⦿ **Weekly** – the day of the week and the time of the day or interval in minutes/hours when the backup job will run.

**New Backup Schedule**

Name: Weekly-1

Type: Weekly

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

Start backup at: 19:00

Stop: until full backup completed

Run Retention Policy after backup

- ⦿ **Monthly** – the day of the month and the time of the day when the backup job will run.

**New Backup Schedule**

Name: Monthly-1

Type: Monthly

Backup on the following day every month:  Day 1  Last Sunday

Start backup at: 20:00 on the selected days

Stop: until full backup completed

Run Retention Policy after backup

- ⦿ **Custom** – a specific date and the time when the backup job will run.

**New Backup Schedule**

Name: Custom-1

Type: Custom

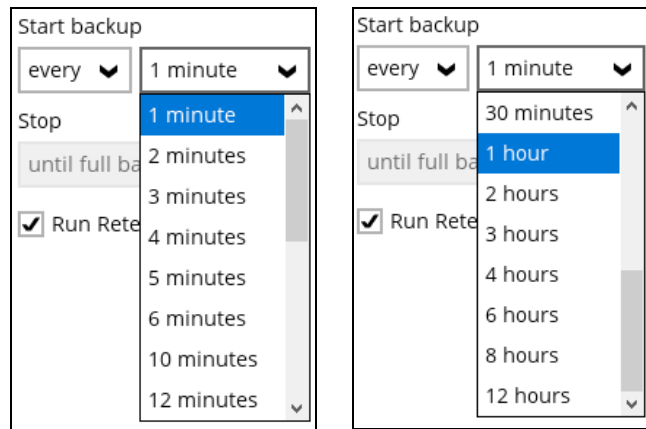
Backup on the following day once: 2022 December 31

Start backup at: 21:00

Stop: until full backup completed

Run Retention Policy after backup

- **Start backup** – the start time of the backup job.
  - **at** – this option will start a backup job at a specific time.
  - **every** – this option will start a backup job in intervals of minutes or hours.



Here is an example of backup set that has a periodic and normal backup schedule.

**Figure 1.1**

**Figure 1.2**

**Figure 1.1** – Periodic scheduled every 4 hours Monday - Friday for business hours

**Figure 1.2** – Normal schedule run at 21:00 or 9:00 PM daily on Saturday & Sunday for weekend non-business hours

- **Stop** – the stop **time** of the backup job. This only applies to schedules with start backup “at” and is not supported for periodic backup schedule (start backup “every”)
  - **until full backup completed** – this option will stop a backup job once it is complete. This is the configured stop time of the backup job by default.
  - **after (defined no. of hrs.)** – this option will stop a backup job after a certain number of hours regardless of whether the backup job has completed or not. This can range from 1 to 24 hrs.

The number of hours must be enough to complete a backup of all files in the backup set. For small files in a backup, if the number of hours is not enough to back up all files, then the outstanding files will be backed up in the next

backup job. However, if the backup set contains large files, this may result in partially backed up files.

For example, if a backup has 100GB file size which will take approximately 15 hours to complete on your environment, but you set the “stop” after 10 hours, the file will be partially backed up and cannot be restored. The next backup will upload the files from scratch again.

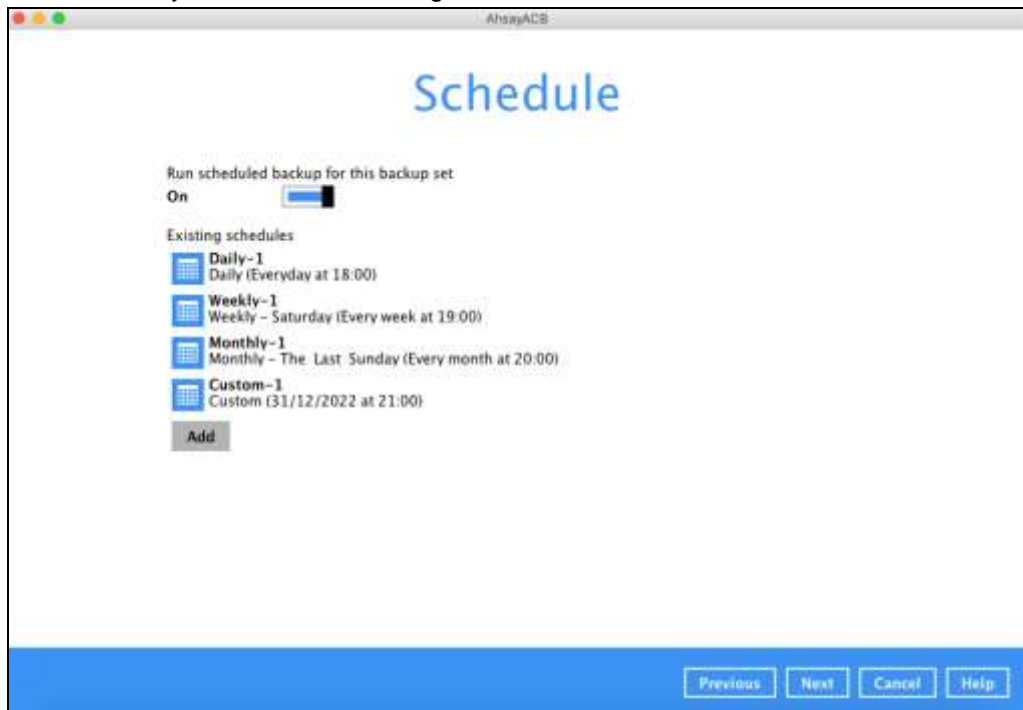
The partially backed up data will have to be removed by running the data integrity check.

As a general rule, it is recommended to review this setting regularly as the data size on the backup machine may grow over time.

- **Run Retention Policy after backup** – if enabled, the AhsayACB will run a retention policy job to remove files from the backup destination(s) which have exceeded the retention policy after performing a backup job.

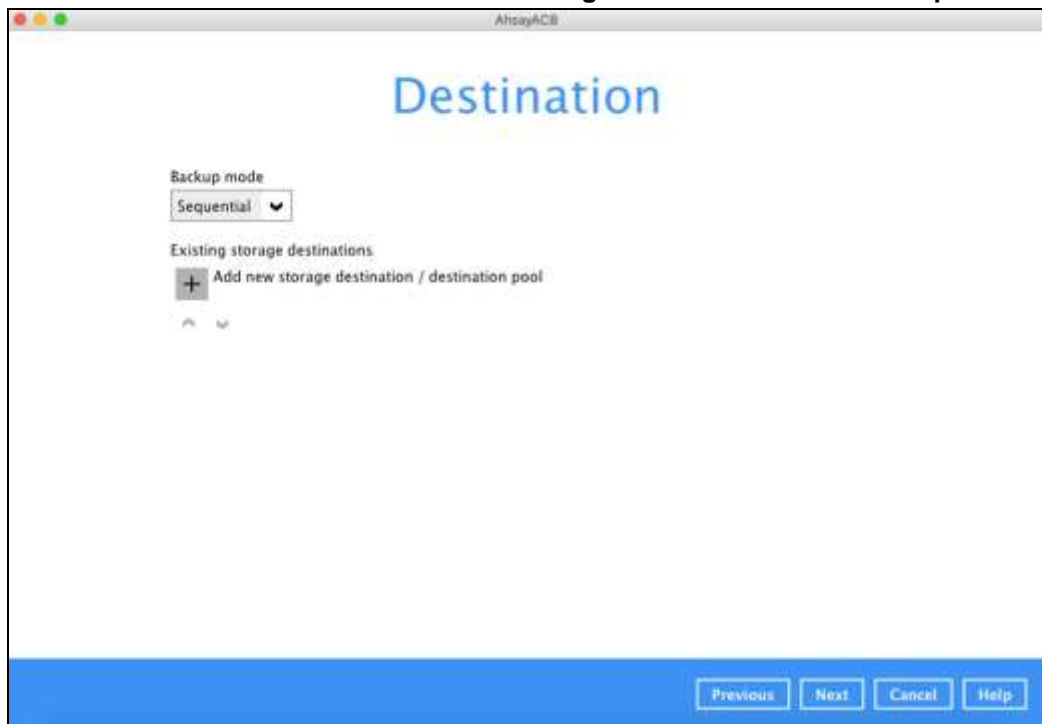
Click the **OK** button to save the configured backup schedule settings.

Multiple backup schedules can be created, as an example; the four types of backup schedules may look like the following.

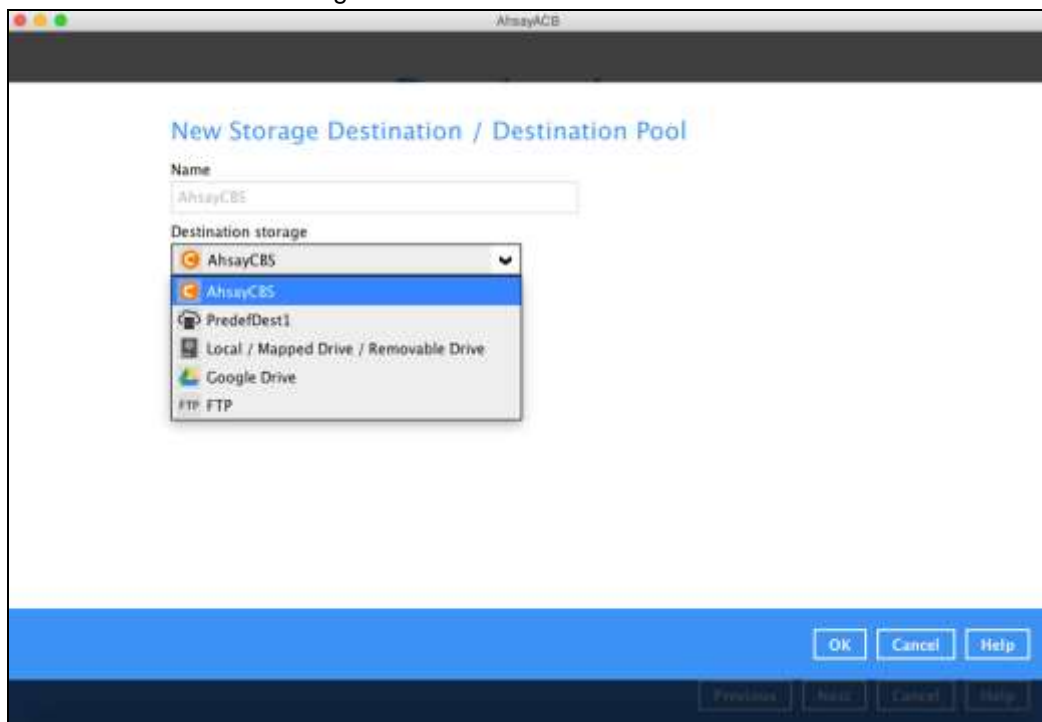


Click **Next** to proceed.

- In the **Destination** menu, select a backup destination where the backup data will be stored. Click the “+” icon next to **Add new storage destination / destination pool**.

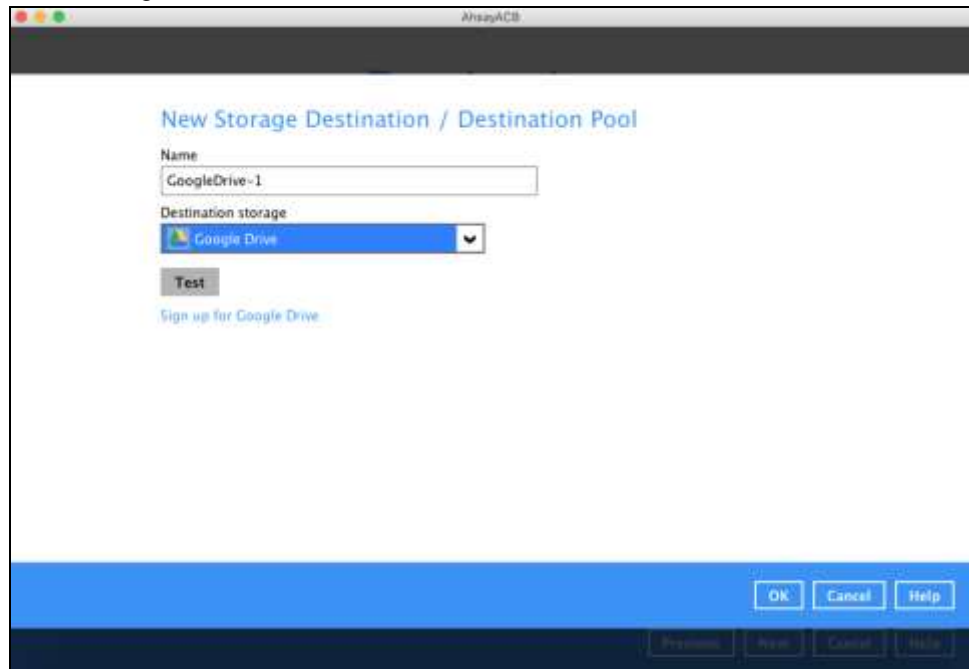


- Select the Destination storage.

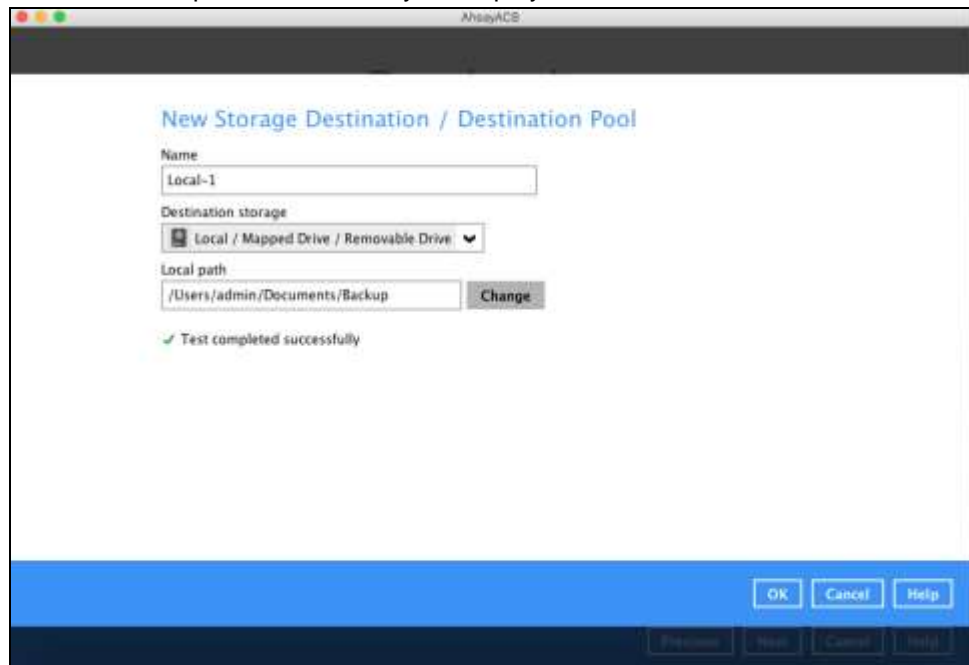


You can choose a storage combination of Local/Mapped drive/Removable Drive or Cloud storage. Click **OK** to proceed when you are done with the settings.

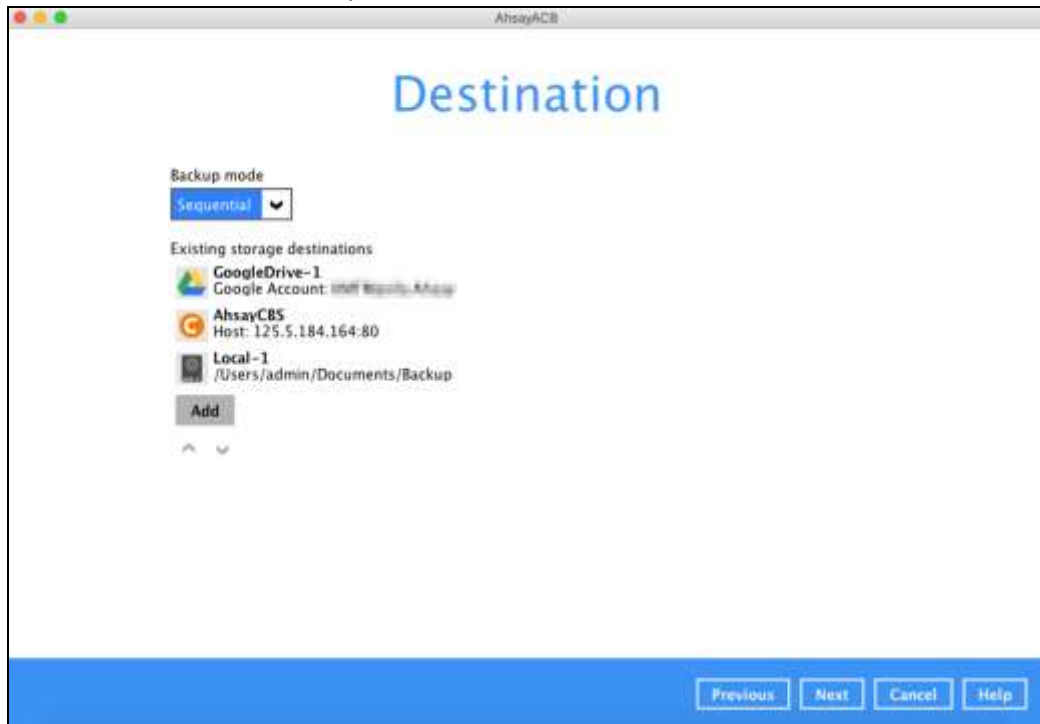
- If you have chosen the Cloud Storage, click **Test** to log in to the corresponding cloud storage service.



- If you have chosen the Local / Mapped Drive / Removable Drive, click **Change** to select the local path. Then click **Test** to check access to the local path. Click **OK** once "Test completed successfully" is displayed.



11. You can add multiple storage destinations. The backup data will be uploaded to all the destinations you have selected in the order you added them. Press the ^ v icon to alter the order. Click **Next** to proceed.

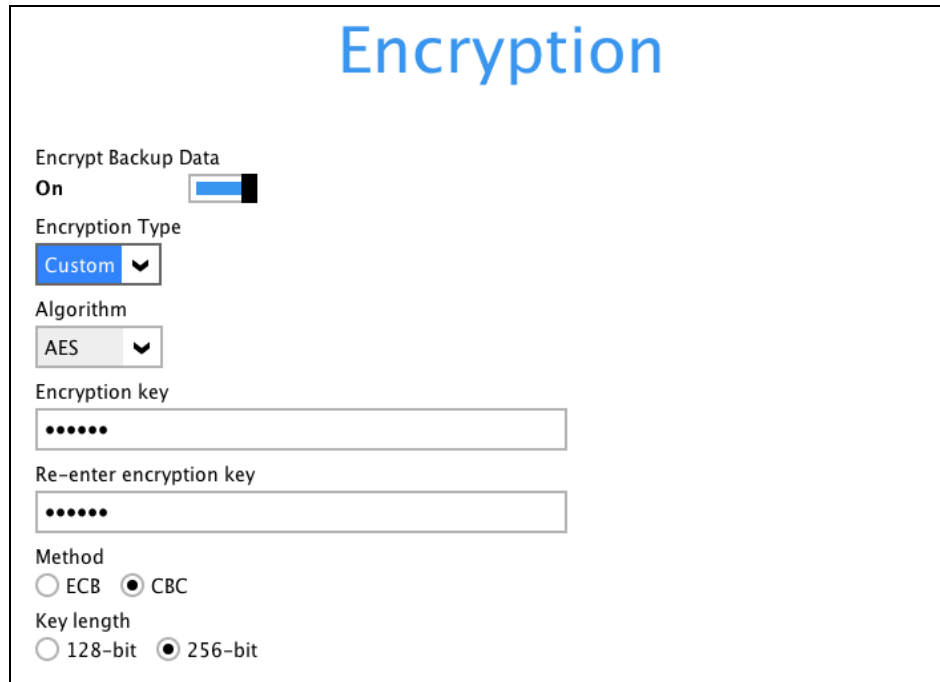


12. In the Encryption window, the default **Encrypt Backup Data** option is enabled with an encryption key preset by the system which provides the most secure protection.



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

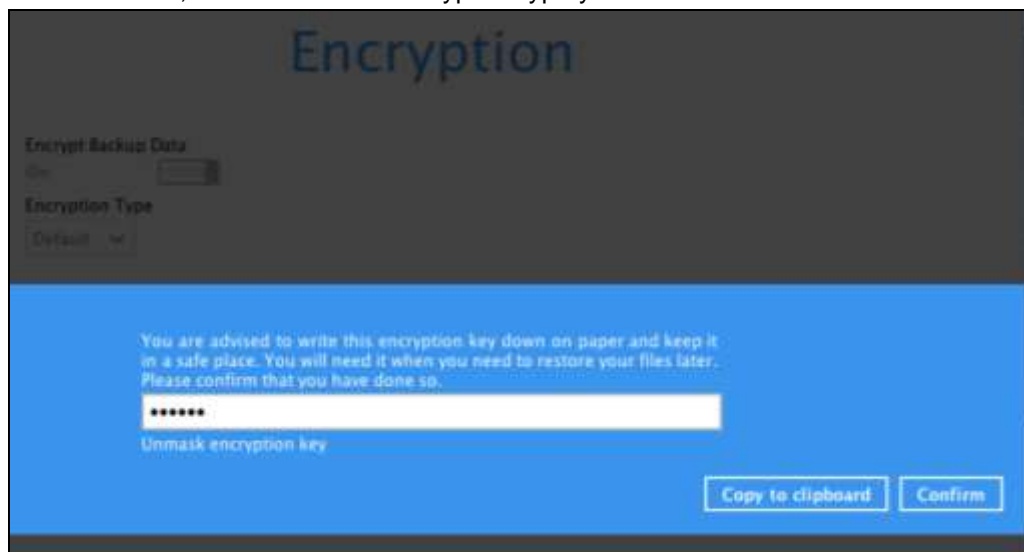


The screenshot shows the 'Encryption' configuration window. At the top, the title 'Encryption' is displayed in blue. Below the title, there are several settings:

- Encrypt Backup Data:** A toggle switch is set to 'On'.
- Encryption Type:** A dropdown menu is set to 'Custom'.
- Algorithm:** A dropdown menu is set to 'AES'.
- Encryption key:** A text input field containing six dots (••••••).
- Re-enter encryption key:** A text input field containing six dots (••••••).
- Method:** Radio buttons for 'ECB' and 'CBC'. 'CBC' is selected.
- Key length:** Radio buttons for '128-bit' and '256-bit'. '256-bit' is selected.

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

13. 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 blue. Below the title, there are several settings:

- Encrypt Backup Data:** A toggle switch is set to 'On'.
- Encryption Type:** A dropdown menu is set to 'Default'.

The main content area is blue and contains the following text:

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.

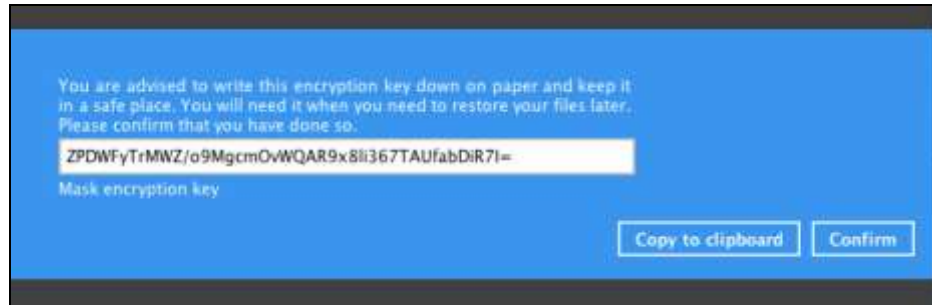
Below the text is a text input field containing six dots (••••••).

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:

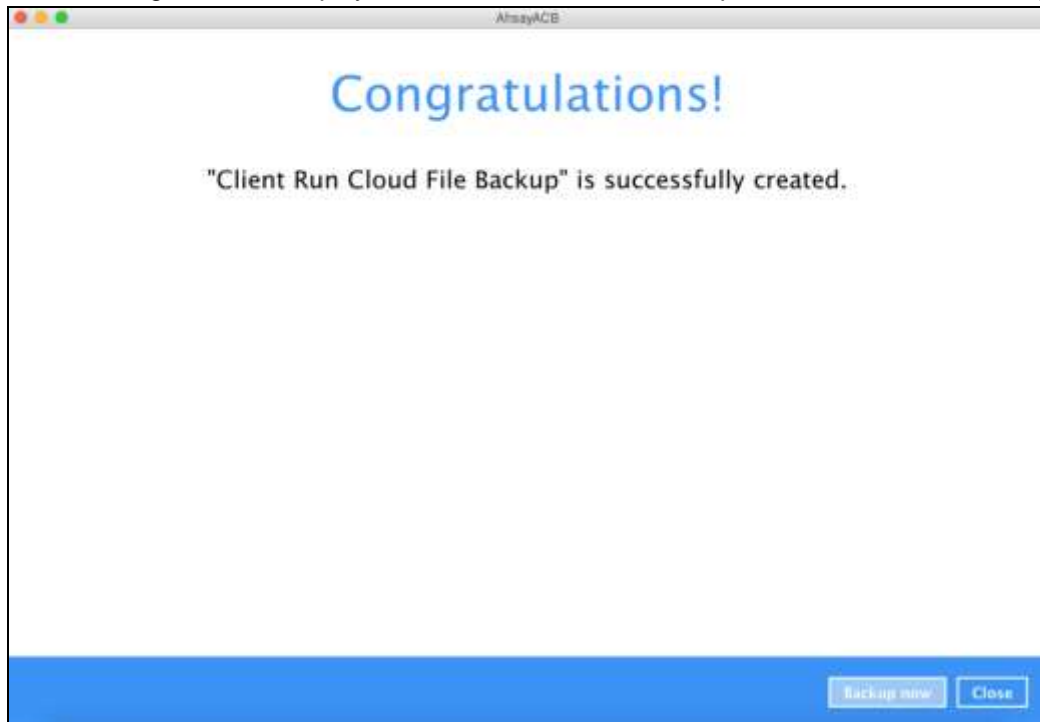
- **Unmask encryption key** – The encryption key is masked by default. Click this option to show the encryption key.



- **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.

Click **Next** to create the backup set.

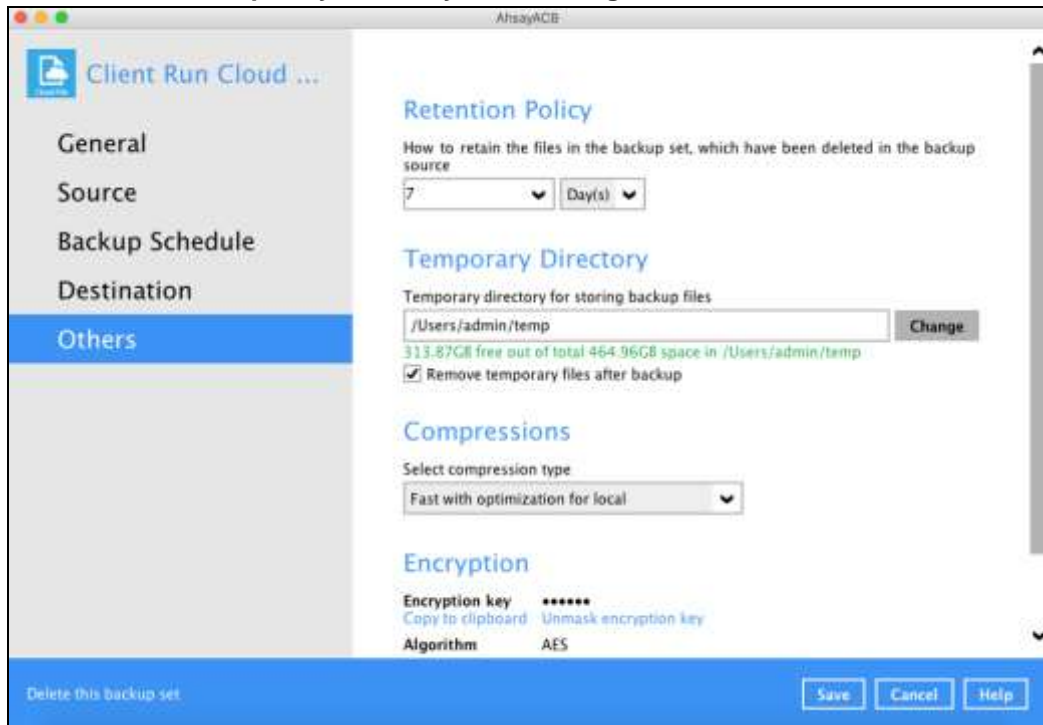
14. The following screen is displayed when the Cloud File backup set is created successfully.





15. Based on [Best Practices and Recommendations](#), it is highly recommended to change the **Temporary Directory**. Select another location with sufficient free disk space other than Dive /Users/admin/temp.

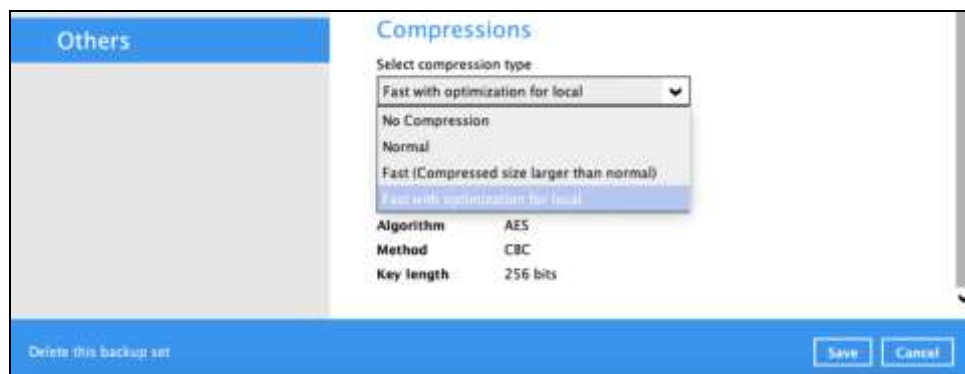
Go to **Others > Temporary Directory**. Click **Change** to browse for another location.



16. Optional: Select your preferred **Compression** type. By default, the compression is Fast with optimization for local.

Go to **Others > Compressions**. Select from the following list:

- No Compression
- Normal
- Fast (Compressed size larger than normal)
- Fast with optimization for local



## 4 Running a Backup

For an overview of the backup process, please refer to [Chapter 11](#) in the AhsayOBM v9 Quick Start Guide for Mac.

To start a backup follow the steps below:

1. Log in to AhsayACB.

For instructions on how to do this please refer to [Chapter 7](#) of the AhsayACB v9 Quick Start Guide for Mac.

2. Click the **Backup** icon on the main interface of AhsayACB.



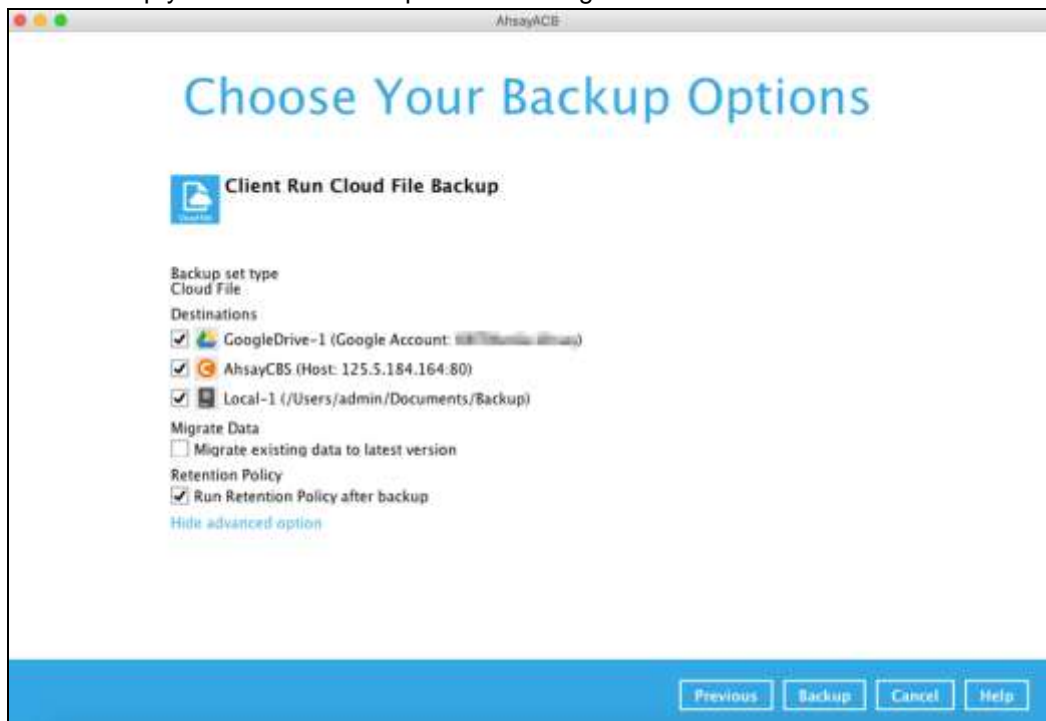
3. Select the backup set which you would like to start a backup for.



4. If you would like to modify the Destinations, Migrate Data and Retention Policy Settings, click **Show advanced option**.



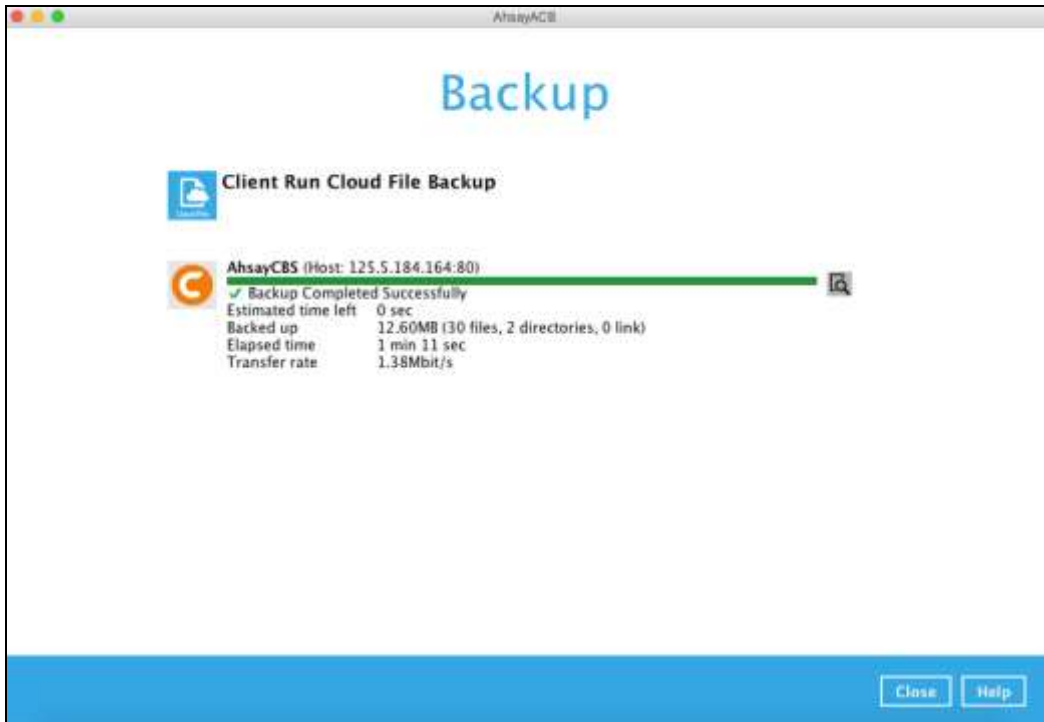
5. When advanced options are shown, it is recommended that you tick the checkbox next to **Run Retention Policy after backup** in the Retention Policy section at the bottom. This will help you save hard disk quota in the long run.




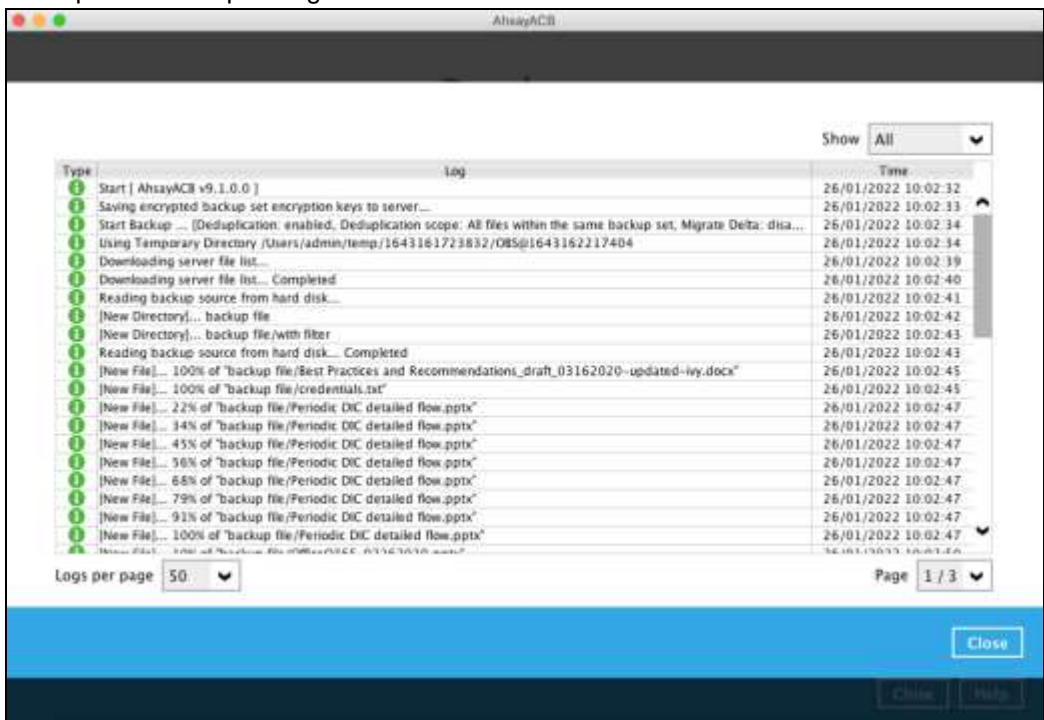
### NOTE

The Migrate Data option will only be displayed if Deduplication is enabled for the backup set. When the Migrate Data option is enabled, the existing data will be migrated to the latest version during a backup job. Backup job(s) for backup sets with Migrate Data enabled may take longer to finish. For more information about this feature, refer to [AhsayCBS v9 New Features Supplemental document](#).

6. Click **Backup** to start the backup and wait until it is finished.

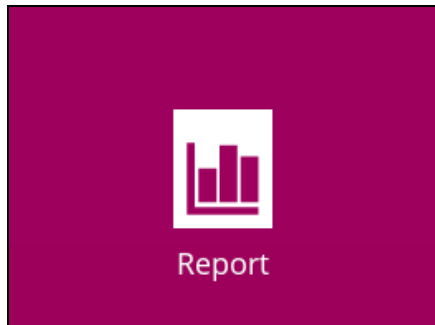


7. Check the log of your backup by clicking this icon . It will show you the log of your backup with corresponding date and time.



## View Report

To view the backup report, return to the AhsayACB main interface then click the following icon.



In this Backup Report screen, you can see the backup set with corresponding destination, completion date and time, and status.

Backup set	Destination	Completion	Status
Client Run Clo...	AhsayCBS	Today 10:03	Completed
Client Run Offi...	AhsayCBS	24/01/2022 11:41	Completed
Client Run Offi...	AhsayCBS	24/01/2022 11:30	Completed
Client Run Offi...	AhsayCBS	24/01/2022 10:40	Completed

Click the backup report and the summary of the backup will be displayed.

The screenshot shows the AhsayACB Report interface. On the left, there is a navigation menu with 'Report' selected, and sub-items 'Backup', 'Restore', and 'Usage'. The main area displays a 'Backup Report' for the backup set 'Client Run Cloud File Backup' at destination 'AhsayCBS'. The report includes the following details:

Backup set	Destination	Completion	Status
Client Run Cloud File Backup	AhsayCBS	26/01/2022 10:02	Completed successfully
Job	26/01/2022 10:02		
Time	Today 10:02 - 10:03 (PHT)		
Status	Completed successfully		
New files *	30 [12MB/12.6MB (5%)]		
Updated files *	0		
Attributes Changed Files *	0		
Moved files *	0		
Deleted files *	0		
Dedupe Saving	0/12.6M [0.0%]		

\* Unit = No of files (Total zipped size / Total unzipped size (compression ratio))

Buttons: View log, Close, Help

You can also click the **View Log**, this will redirect you to the log summary of your backup.

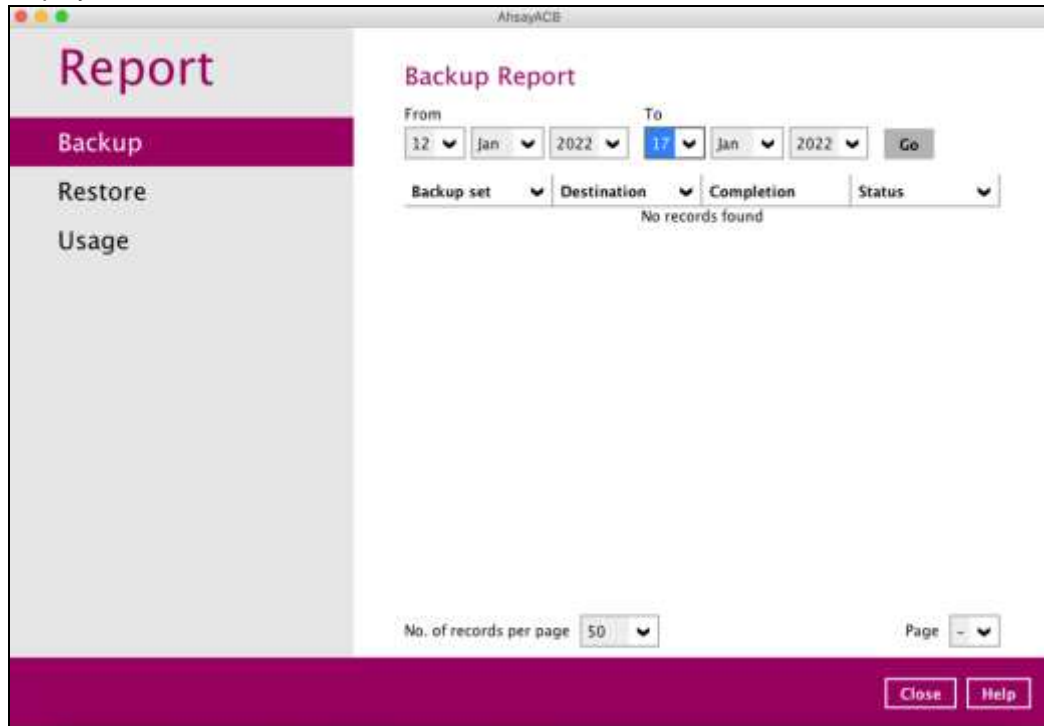
The screenshot shows the AhsayACB Report interface displaying the backup log summary for the backup set 'Client Run Cloud File Backup' at destination 'AhsayCBS' on '26/01/2022 10:02'. The log entries are as follows:

Type	Log	Time
Start	AhsayACB v9.1.0.0	26/01/2022 10:02:32
Start	Saving encrypted backup set encryption keys to server...	26/01/2022 10:02:33
Start	Start Backup ... [Deduplication: enabled, Deduplication scope: All files within the same backup set, Migrate Delta: disa...	26/01/2022 10:02:34
Using	Using Temporary Directory /Users/admin/temp/1643161723832/OBSp1643162217404	26/01/2022 10:02:34
Downloading	Downloading server file list...	26/01/2022 10:02:39
Completed	Downloading server file list... Completed	26/01/2022 10:02:40
Reading	Reading backup source from hard disk...	26/01/2022 10:02:41
[New Directory]	[New Directory]... backup file	26/01/2022 10:02:42
[New Directory]	[New Directory]... backup file/with filter	26/01/2022 10:02:43
Completed	Reading backup source from hard disk... Completed	26/01/2022 10:02:43
[New File]	[New File]... 100% of "backup file/Best Practices and Recommendations_draft_03162020-updated-ivy.docx"	26/01/2022 10:02:45
[New File]	[New File]... 100% of "backup file/credentials.txt"	26/01/2022 10:02:45
[New File]	[New File]... 22% of "backup file/Periodic DIC detailed flow.pptx"	26/01/2022 10:02:47
[New File]	[New File]... 34% of "backup file/Periodic DIC detailed flow.pptx"	26/01/2022 10:02:47
[New File]	[New File]... 45% of "backup file/Periodic DIC detailed flow.pptx"	26/01/2022 10:02:47
[New File]	[New File]... 56% of "backup file/Periodic DIC detailed flow.pptx"	26/01/2022 10:02:47
[New File]	[New File]... 68% of "backup file/Periodic DIC detailed flow.pptx"	26/01/2022 10:02:47
[New File]	[New File]... 79% of "backup file/Periodic DIC detailed flow.pptx"	26/01/2022 10:02:47

Buttons: Close, Help

You can also search for backup reports from a specific period of date. For example, we have the **From** date which is, **12 Jan 2022** and the **To** date which is, **17 Jan 2022**. Then click the **Go** button to generate the available reports.

If this is a valid range of dates then backup reports will be displayed unless there were no backup running on the specified dates. A message of **No records found** will also be displayed.



## 5 Restoring with a Cloud File Backup Set

Using AhsayACB to do the restoration has three (3) options. Through Local machine, Original location, and Alternate location. Below are brief descriptions of the said features. After this quick walkthrough you will see the step-by-step instructions with corresponding screen shots on how to restore your data using the following options below.

- **Local machine**  
Restore your data to your local computer where the AhsayACB is running.
- **Original location**  
Aside from the location machine option, you are also able to restore your data to your original location, on the cloud storage, where you backed them up.
- **Alternate location**  
Besides the two options above, you can also restore your data to an alternate location which is through the same cloud storage but on a different folder.

1. Log in to AhsayACB.

For instructions on how to do this please refer to [Chapter 7](#) of the AhsayACB v9 Quick Start Guide for Mac.

2. Click the **Restore** icon on the main interface of AhsayACB.





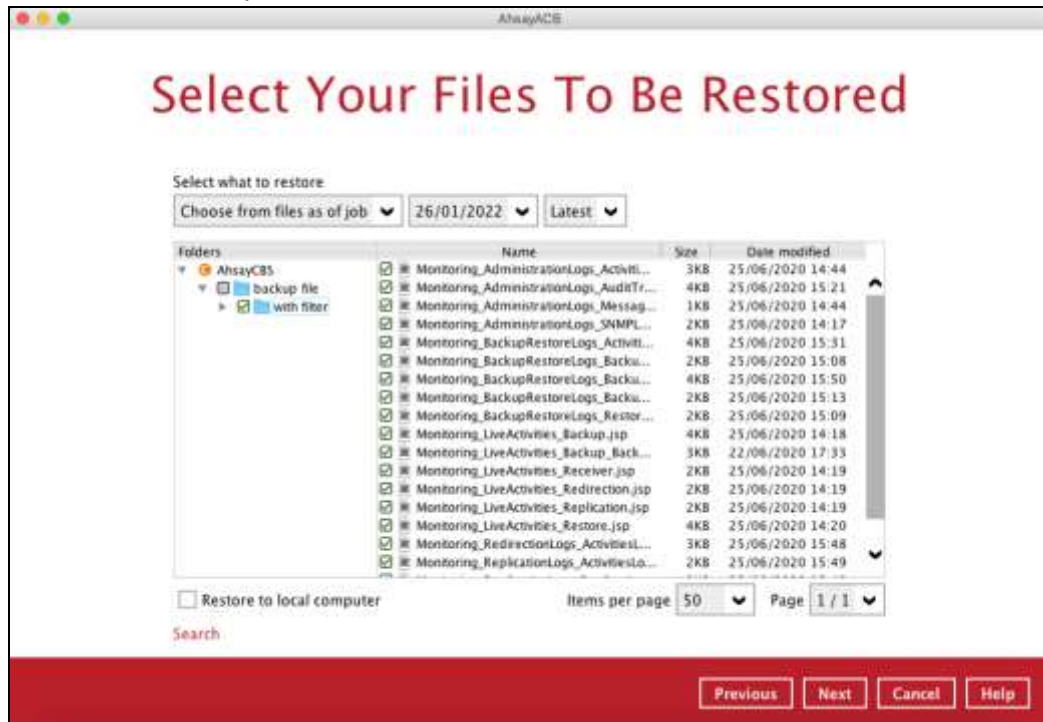
3. Select the backup set that you would like to restore.



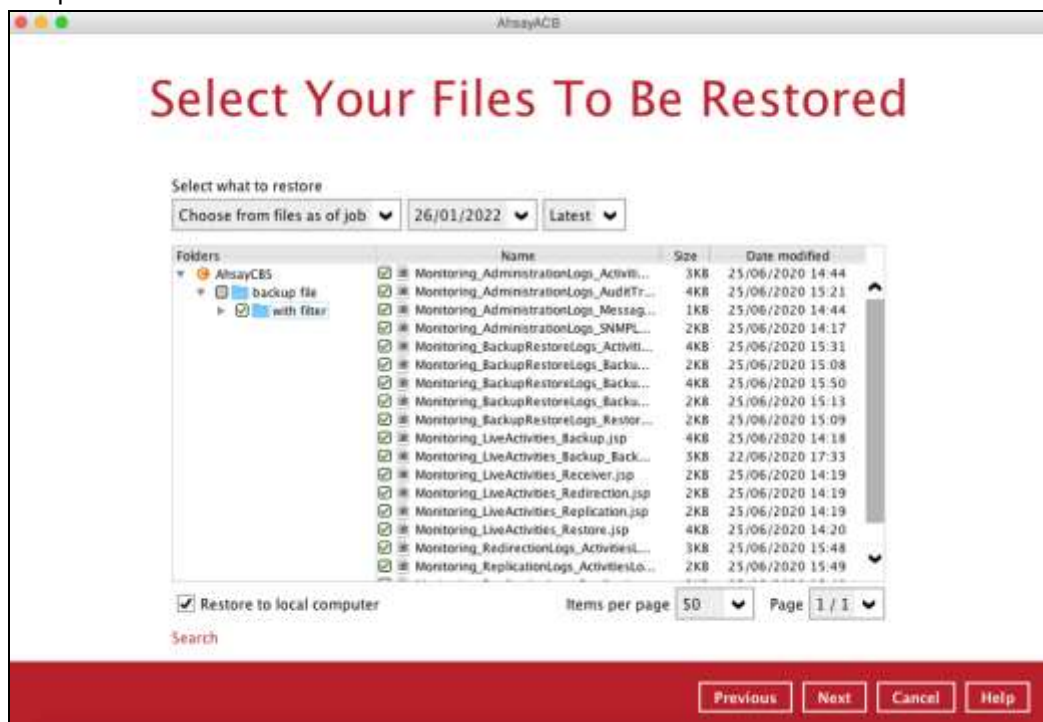
4. Select the backup destination that contains the data that you would like to restore.



5. Select to restore from a specific backup job, or the latest job available from the **Select what to restore** drop down menu.



Tick **Restore to local computer** if you want to restore the backed-up data to the local computer.



If you want to search for directories, files, and folders to be restored, click **Search** to use the restore filter.

For more information on how to use the restore filter please refer to [Chapter 13.3](#) of the AhsayACB v9 Quick Start Guide for Mac.

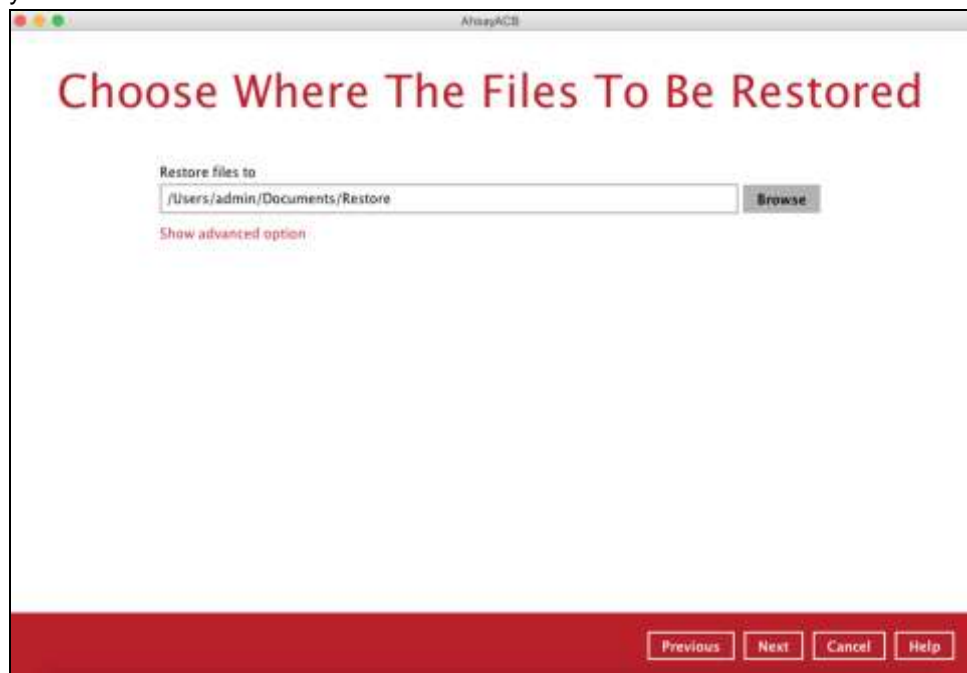
Click **Next** to continue.

6. The window that will be displayed will depend on the restore destination selected. Here are the three options:
- Local machine
  - Original location
  - Alternate location

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- **Local machine**

Click the **Browse** button to select a path on where you want the items to be restored on your local computer. Make sure it has enough space to accommodate your restoration.



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

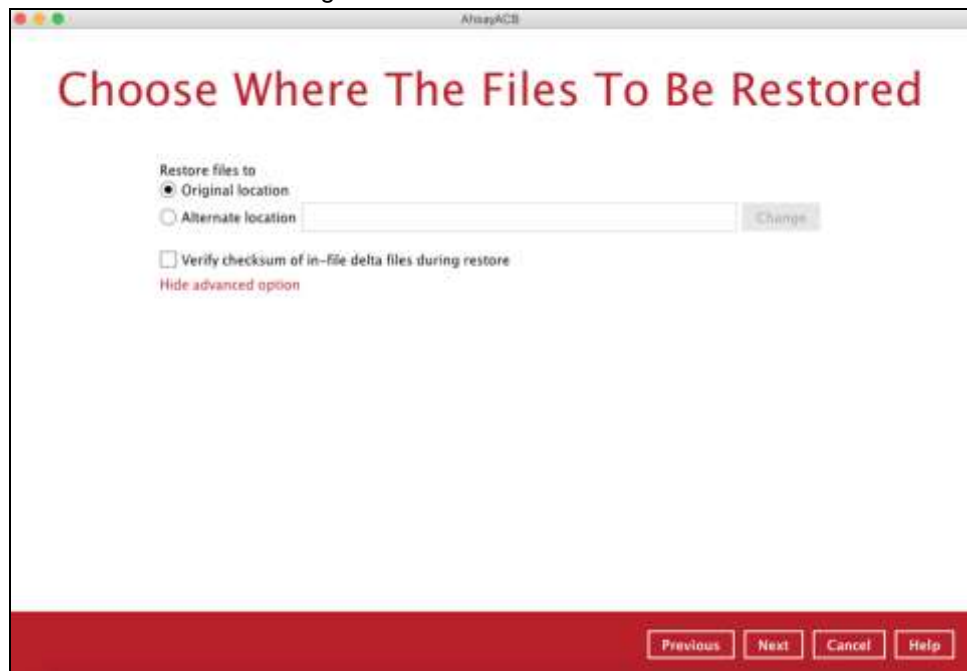


#### **Verify checksum of in-file delta files during restore**

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

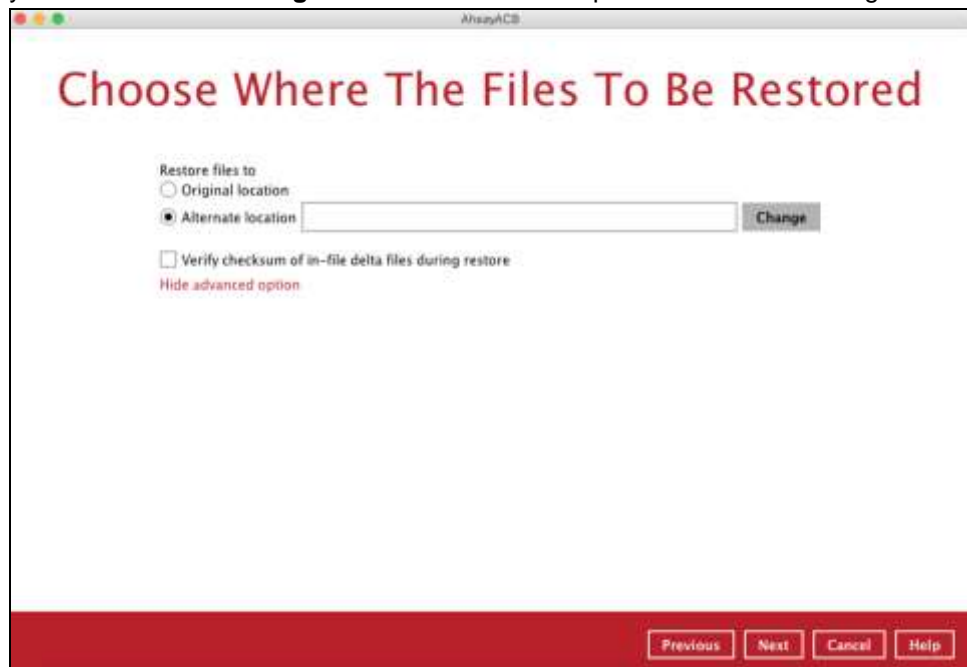
- **Original location**

If you have chosen this option, the backup data will be restored to the original location on the cloud storage.

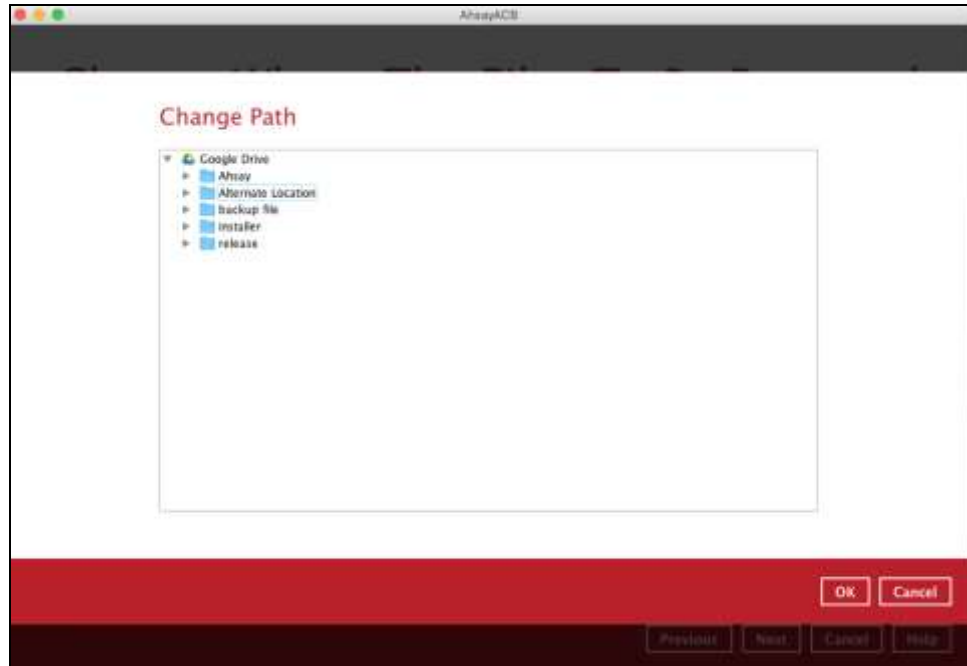


- **Alternate location**

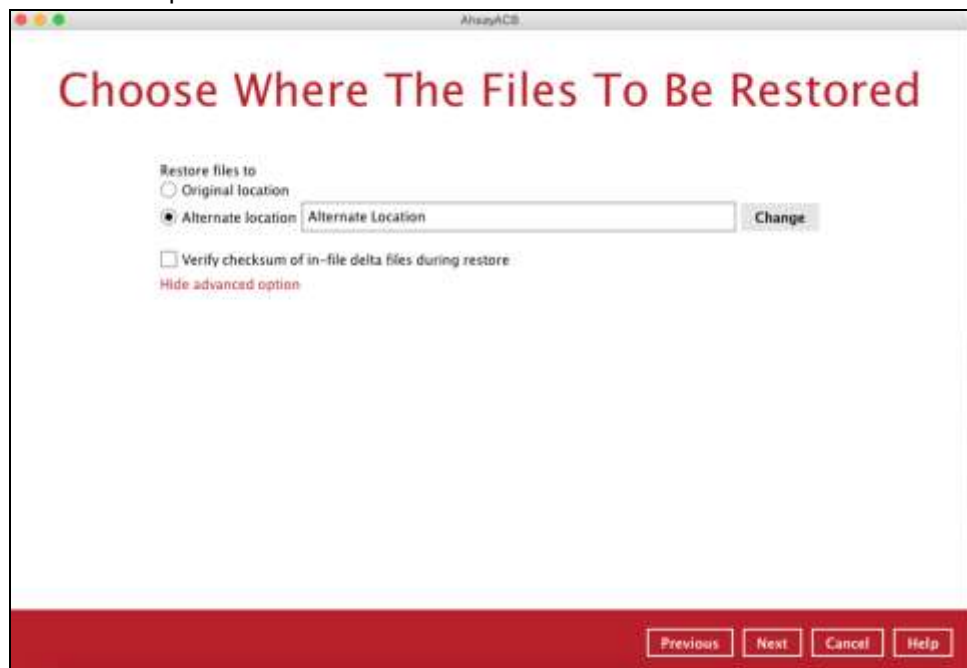
If you have chosen this option, backup data will be restored to another location of your choice. Click **Change** to select the alternate path on the cloud storage.



Select the path where the data will be restored then click **OK**.



Click **Next** to proceed.



#### NOTE

Data can only be restored to the local computer or to the original cloud storage where the data was backed up from (i.e. same cloud storage provider and same account). Restoring backup data to a different cloud storage provider or different account is **NOT** possible.

7. Select the temporary directory for storing temporary files. Click **Restore** to start the restoration.



8. The following screen is displayed when the files are restored successfully.



## 6 Contact Ahsay

### 6.1 Technical Assistance

To contact Ahsay support representatives for technical assistance, visit the Partner Portal:

<https://www.ahsay.com/partners/>

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

<https://wiki.ahsay.com/>

### 6.2 Documentation

Documentations for all Ahsay products are available at:

[https://www.ahsay.com/jsp/en/downloads/ahsay-downloads\\_documentation\\_guides.jsp](https://www.ahsay.com/jsp/en/downloads/ahsay-downloads_documentation_guides.jsp)

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

<https://www.ahsay.com/partners/>

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