

# **Ahsay Cloud Backup Suite v9**

## **Run on Server (Agentless) Microsoft 365 Backup & Restore Guide**

Ahsay Systems Corporation Limited

**2 May 2023**

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## Revision History

Date	Descriptions	Version
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2 May 2023	<ul style="list-style-type: none"><li>▪ Ch. 2.9 and 2.10 – updated steps for assigning permission</li></ul>	9.5.4.0

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# 1 Overview

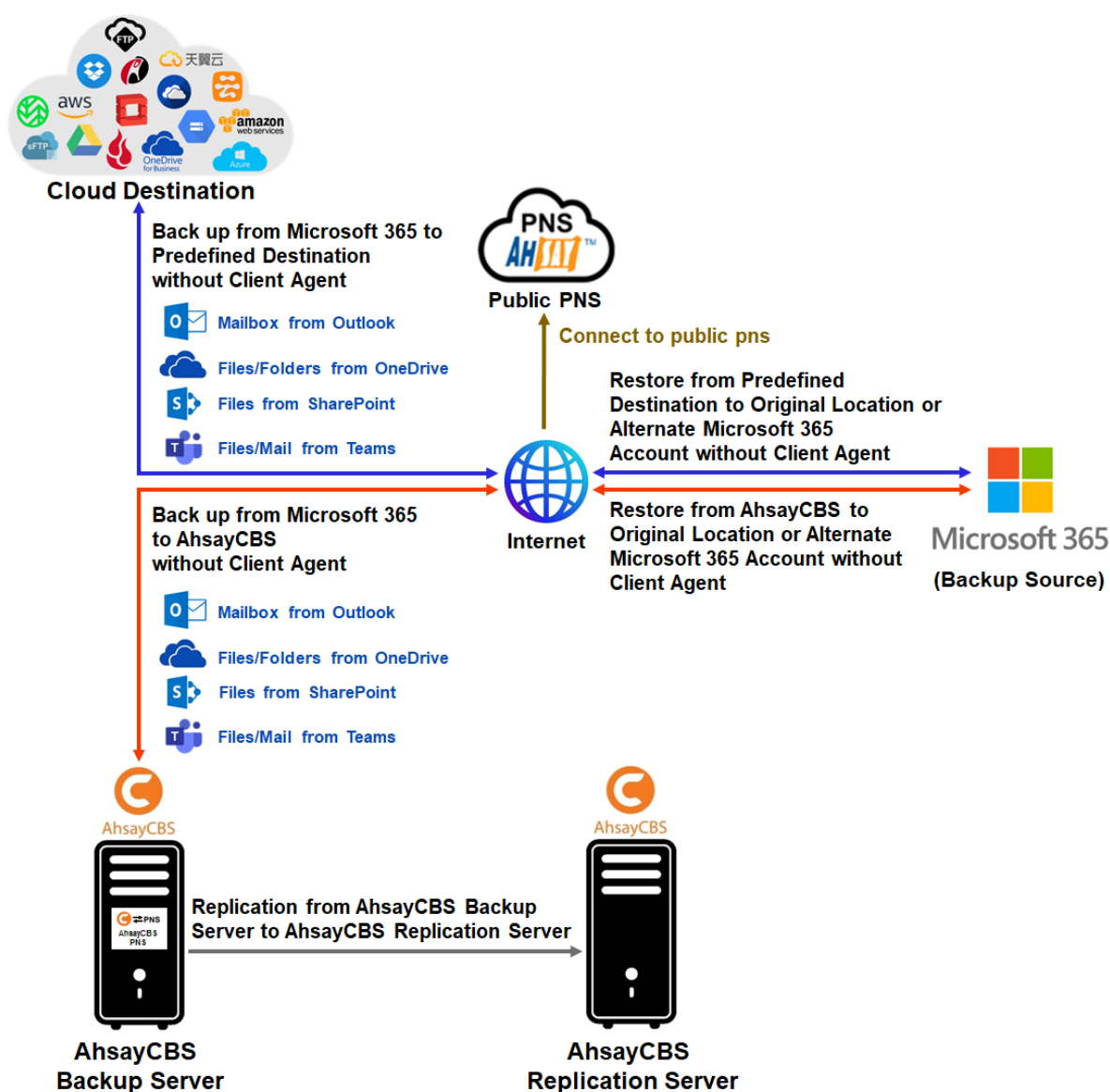
## What is this software?

Ahsay Cloud Backup Suite v9 allows you to back up your Microsoft 365 data on the cloud without the need to deploy a backup agent. You can access the AhsayCBS server environment easily on a web-based management console. This is a user interface that allows you to login remotely to a backup server to manage and monitor your backups.

## 1.1 System Architecture

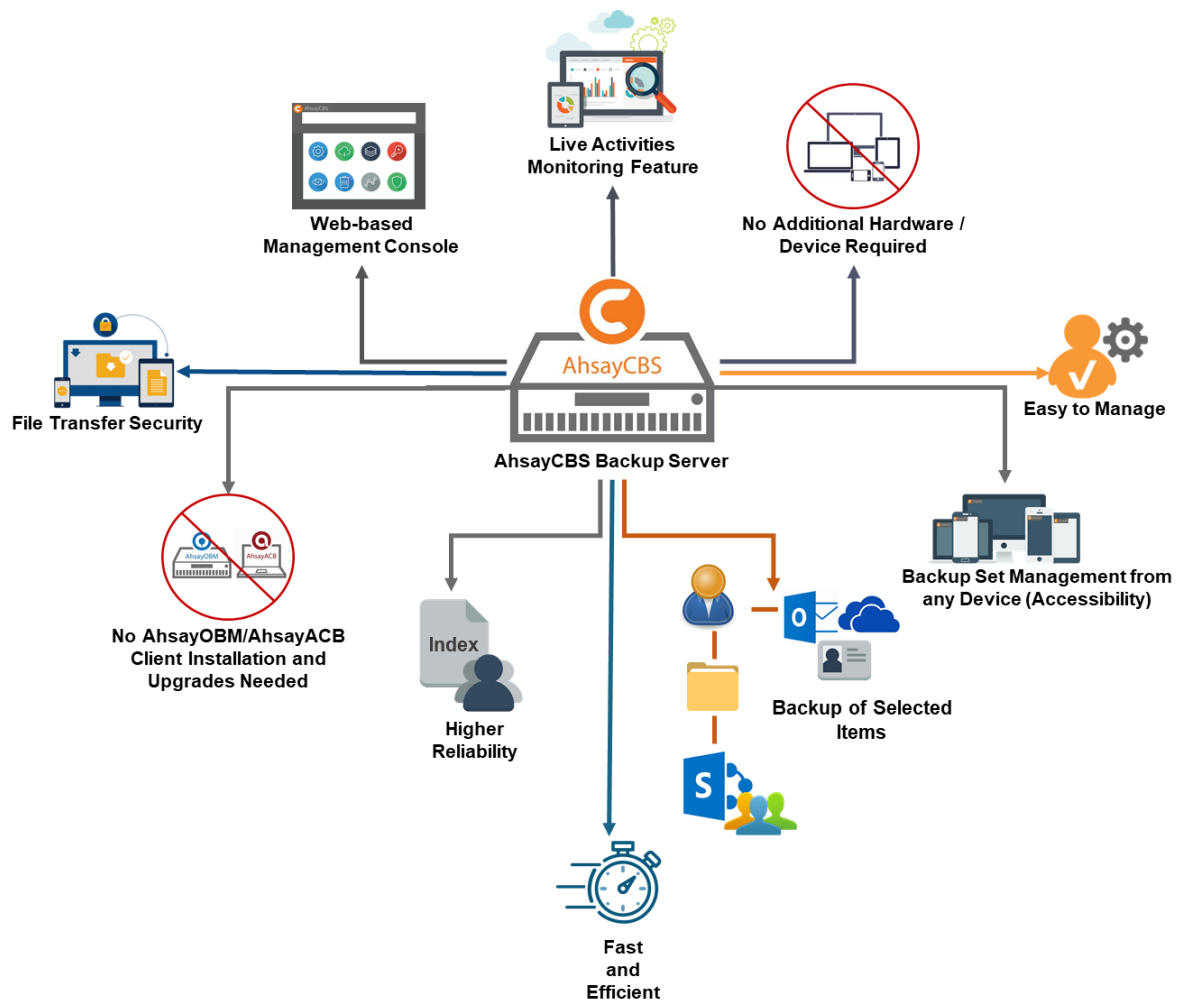
For agentless backup and restore, the AhsayCBS backup server connects to the Microsoft 365 directly through the Internet without the need to deploy additional backup agents on the customers site.

Below is the System architecture diagram illustrating the major elements involved in the backup and restore process using Ahsay Agentless (Run on Server) backup configuration.



## 1.2 Why should I use AhsayCBS Run on Server (Agentless) solution to back up my Microsoft 365 data?

We are committed to bringing you a comprehensive Run-on Server (Agentless) Microsoft 365 backup and recovery solution. Below are some key areas that can help make your backup experience a better one.



### Web-based Management Console

Our enriched features on the centralized user web console offers you a one-stop location for monitoring and managing your backup and restore, whether you are a system administrator or a backup user. Below is an overview of what you can do with it.

- 1 Create backup set
- 1 Restore backup
- 1 Configure user settings
- 1 Configure backup settings
- 1 View and download backup and restore reports.

## Performance

The Change Key API has significantly improved backup performance of backup jobs, which means backup sets with a large number of Microsoft 365 accounts for backup can be completed within hours.

## Live Activities Monitoring Feature

The AhsayCBS User Web Console has a live activity monitoring feature which is used to keep track of the backup and restore job(s). The following operations can be performed using this feature:

- View the status of the backup process that is currently running
- View the status of the restore process that is currently running

### NOTE

There is an update interval of around five (5) seconds for both backup and restore activities.

## No Additional Hardware / Device Required

As the Run on Server (agentless) backup set utilizes the resources of the AhsayCBS backup server, there is no need to provision additional physical or virtual machine to run the backup/restore which means the cost of each backup set is much lower than for an agent-based Microsoft 365 backup set.

## Easy to Manage

The AhsayCBS User Web Console offers you an easy-to-manage user interface. This will help you save time, and it reduces the overall cost of support.

## Backup Set Management from any Device (Accessibility)

Backup/restore operation(s), backup set settings configuration, and backup/restore process monitoring can be done from any device as long as a web browser and internet connection are present in the device.

## Backup of Selected Items

To back up the Microsoft 365 user accounts, the backup resources can be user level, site collection level and even item level.

- Flexible backup options:
  - Only select the required users, specific site collection or items for backup.
- Flexible restore options:
  - Restore all the users or just one user or restore the whole site collection or just one site or restore the whole user content or just one item.
  - Restore items to the original location or an alternate location.

## Fast and Efficient

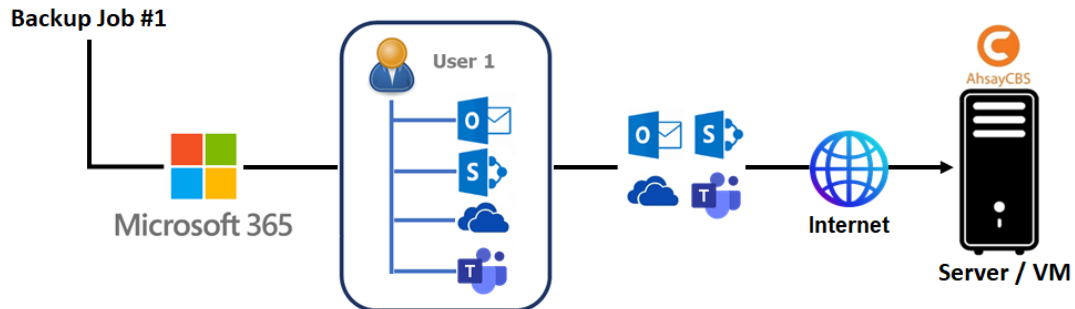
We understand that backup could be a time and resources consuming process, which is why AhsayCBS is designed with advanced technologies to make backup a fast and efficient process.

We also understand that you may wish to run backup at a specified time interval of your choice, that's why we also allow you to set your own backup schedules so that you can take full control of the time when to perform backup.

- ❶ **Multi-threading** – this technology utilizes the computing power of multiple CPU cores for creating multiple backup and restore threads to produce fast backup and restore performance.

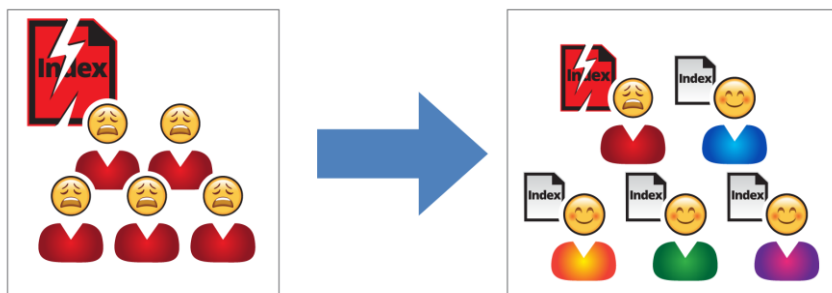
The default setting for Microsoft 365 backup sets supports a total of 4 threads per backup job.

**For Agentless Option:**



## Higher Reliability

The implementation of one index file per user can significantly improve the overall resilience of backup and restore from index related issues.



For example, if a single index file becomes corrupted, it will only affect corresponding user, while other users selected for backup are unaffected.

## No AhsayOBM/AhsayACB Client Installation and Upgrades Needed

AhsayOBM and AhsayACB client installation is not required in running AhsayCBS server. Also, unlike the client backup agent, upgrading when a newer version becomes available is not necessary, as long as the AhsayCBS server version is upgraded by the backup service provider.

## File Transfer Security

The AhsayCBS comes with a secure file transfer method using the https protocol that guarantees the highest level of security measure in safeguarding the movement of files from the backup source (Microsoft 365) to the backup destination (AhsayCBS server).

## High Level of Security

















We understand your Microsoft 365 users may contain sensitive information that requires to be protected, that is why your backup data will be encrypted with the highest level of security measure.

- ❶ **Un-hackable Encryption Key** – to provide the best protection to your backup data, the encryption feature which by default will encrypt the backup data locally with AES 256-bit truly randomized encryption key.



## Cloud Destinations Backup

By default, the AhsayCBS is set as the storage destination in creating an Microsoft 365 backup set. However, you have the option of selecting another storage destination 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.

## Compliance

Some organizations do not permit the installation of third-party applications on production environments due to regulatory requirements. An agentless solution allows for compliance during backup or restore.

## Less Resources Needed

Backup client agent could interfere with the processing power of core applications of the machines that it is installed on. Run on Server Microsoft 365 backup job is performed on the backup server, which does not consume resources on client computer during a backup job.

## Run on Server

A Run-on Server Microsoft 365 backup set provides you with an agentless backup solution. Manual schedules are performed directly by the AhsayCBS backup server; you do not need to install a backup agent on your personal computer in order to back up your data on cloud storages.

Run on Server backup and restore can be managed on a computer or device running on Windows/MacOS/Linux /iOS/Android as long as the device is able to support a web browser and has an internet connection.

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

The following table summarizes the differences in backup options available between a Run-on Server and Run-on Client Microsoft 365 backup set, and the tool to use (web console or client agent) when performing a backup and restore:

	Run on Server Microsoft 365 Backup Set	Run on Client Microsoft 365 Backup Set
General Settings	✓	✓
Backup Source	✓	✓
Backup Schedule	✓	✓
Destination	AhsayCBS or Predefined Destinations only	AhsayCBS, Predefined Destinations, Standard and Local
Multiple Destinations	✗	✓
Deduplication	✓	AhsayOBM
Retention Policy	✓	✓
Command Line Tool	✗	AhsayOBM for Windows only
Reminder	✗	AhsayOBM / AhsayACB for Windows only
Bandwidth Control	✓	✓
IP Allowed for Restore	✗	✓
System Logs of Data Integrity Check	✗	✓
Others	✓	✓
<b>To Run a Backup</b>	AhsayCBS User Web Console only	AhsayOBM / AhsayACB
<b>To Run a Restore</b>	AhsayCBS User Web Console only	AhsayOBM / AhsayACB / AhsayOBR

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

	Run on Server Microsoft 365 Backup Set	Run on Client Microsoft 365 Backup Set
Data Integrity Check	✓	✓
Space Freeing Up	✗	✓
Delete Backup Data	✓	✓
Decrypt Backup Data	✗	✓

#### **NOTE**

For more details on the Run-on Client backup option, please refer to the following guides:

[AhsayOBM v9 User Guide - Microsoft 365 Backup & Restore for Windows](#)

[AhsayOBM v9 User Guide - Microsoft 365 Backup & Restore for Mac](#)

[AhsayACB v9 User Guide - Microsoft 365 Backup & Restore for Windows](#)

[AhsayACB v9 User Guide - Microsoft 365 Backup & Restore for Mac](#)



## 1.3 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 Server (Agentless) Microsoft 365 backup and restore, followed by step-by-step instructions on creating backup set, running backup job, and restoring backed up data, using the AhsayCBS User Web Console.

The document can be divided into six (6) main parts.

### **Part 1: Preparing for Microsoft 365 Backup & Restore**

#### **Requirements**

Requirements for Microsoft 365 backup set

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

Items recommended to pay attention to before backup and restore

### **Part 2: Performing a Microsoft 365 Backup**

#### **Logging in to AhsayCBS User Web Console**

Log in to AhsayCBS User Web Console

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

Create a backup set using AhsayCBS User Web Console

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

Run a backup set using AhsayCBS User Web Console

### **Part 3: Restoring a Microsoft 365 Backup**

#### **Restoring a Backup Set using AhsayCBS User Web Console**

Restore a backup using AhsayCBS User Web Console

### **Part 4: Running a Data Integrity Check**

#### **Running a Data Integrity Check using AhsayCBS User Web Console**

Run a data integrity check using AhsayCBS User Web Console

### **Part 6: Deleting Backup Data**

#### **Deleting a Backup Data using AhsayCBS User Web Console**

Delete a backup data using AhsayCBS User Web Console

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

After reading through this documentation, you can expect to have sufficient knowledge to perform various tasks on the AhsayCBS server, as well as to carry out an end-to-end backup and restore process, and to be instructed about the other actions that can be performed through the User Web Console (i.e. Data Integrity Check and Delete Backup Data).

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

This documentation is intended for backup administrators and IT professionals who are responsible for the Microsoft 365 backup and restore.

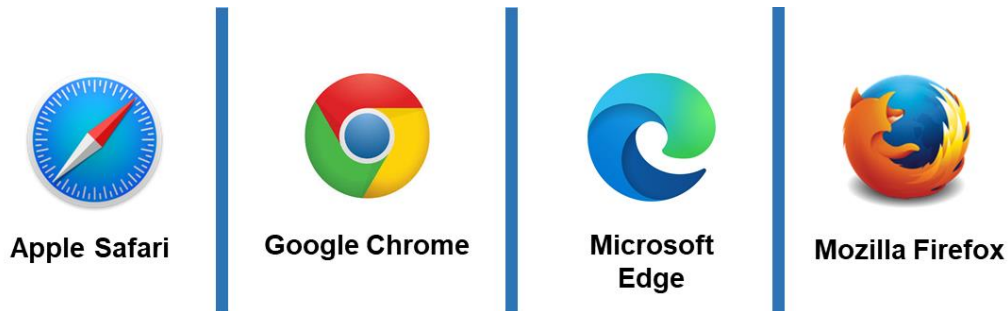
## 2 Preparing for Backup and Restore

### 2.1 Internet / Network Connection

In order to access the AhsayCBS Backup Server through the Web-based Management Console, you need to have internet connection or LAN access to the internal AhsayCBS server.

### 2.2 Supported Browsers

The AhsayCBS User Web Console runs with all major browsers. Please make sure that you are using the latest version and enable pop-ups on your preferred web browsers.



### 2.3 Login Credentials to Microsoft 365

To allow access to Microsoft 365 (backup source) in performing a backup, make sure to have the correct login credentials to Microsoft 365.

### 2.4 Valid AhsayOBM/AhsayACB User Account

A valid AhsayOBM/AhsayACB user account is required before you can access the AhsayCBS User Web Console. Please contact your system administrator for more details.

### 2.5 Ahsay License Requirements

#### • Licenses

Licenses are calculated on a per device basis for AhsayOBM and AhsayACB.

For Agentless, to be able to backup users using AhsayCBS User Web Console, one AhsayOBM or AhsayACB license is required.

Please contact your backup service provider for more details.

### 2.6 Add-on Module Requirements

#### • Microsoft 365 Add-on Module

Make sure that the Microsoft 365 Backup feature has been enabled as an add-on module in your AhsayOBM and AhsayACB user account and there is enough Microsoft 365 Backup license quota to cover the backup of the users.

Please contact your backup service provider for more details. Below are the sample screenshots of an AhsayOBM and AhsayACB user with an add-on module of Microsoft 365 with licenses.

## AhsayOBM User with five (5) licenses

Settings of the client backup agent for this user.

**Backup Client**

☒ AhsayOBM User ☐ AhsayACB User

**Add-on Modules**

<input type="checkbox"/> Microsoft Exchange Server	<input type="checkbox"/> Microsoft SQL Server
<input type="checkbox"/> MySQL Database Server	<input type="checkbox"/> Oracle Database Server
<input type="checkbox"/> Lotus Domino	<input type="checkbox"/> Lotus Notes
<input type="checkbox"/> Windows System Backup	<input type="checkbox"/> Windows System State Backup
<input type="checkbox"/> VMware <input type="text" value="Guest VM"/> <input type="text" value="0"/>	<input type="checkbox"/> Hyper-V <input type="text" value="Guest VM"/> <input type="text" value="0"/>
<input type="checkbox"/> Microsoft Exchange Mailbox <input type="text" value="0"/>	<input type="checkbox"/> ShadowProtect System Backup
<input type="checkbox"/> NAS - QNAP	<input type="checkbox"/> NAS - Synology
<input checked="" type="checkbox"/> Mobile (max. 10)	<input checked="" type="checkbox"/> Continuous Data Protection
<input type="checkbox"/> Volume Shadow Copy	<input type="checkbox"/> In-File Delta (Only apply to v8 or before)
<input type="checkbox"/> OpenDirect / Granular Restore <input type="text" value="0"/>	<input checked="" type="checkbox"/> Microsoft 365 Backup <input type="text" value="5"/> <span style="color: red;">Quota value</span>
<input type="checkbox"/> MariaDB Database Server	<input checked="" type="checkbox"/> Deduplication

The Ahsay licenses for the Microsoft 365 module are calculated by the number of unique licensed or unlicensed Microsoft 365 user accounts. If same Microsoft 365 account is backed up on multiple backup sets with an AhsayOBM user account, it would be counted as one Microsoft 365 license.

- Each licensed or unlicensed Microsoft 365 user account selected for backup requires one Microsoft 365 license.
- Each Equipment Mailbox, Room Mailbox, or Shared Mailbox selected for backup requires one Microsoft 365 license.
- If just only SharePoint Sites under the Site Collections and/or files of folders under Public Folder are selected for backup, this requires zero Microsoft 365 license but a minimum of one Microsoft 365 license is needed to perform a backup. The Microsoft 365 license is only needed to start the backup but it will not be counted as used license.

However, if any items from either Outlook, Items from OneDrive, or Personal Sites under Users are selected for backup, the Microsoft 365 license count will be calculated based on the number of user account selected.

For more detailed examples about the Microsoft 365 license requirement and usage, refer to [Appendix A: Example Scenarios for Microsoft 365 License Requirement and Usage](#).

### AhsayACB User with two (2) licenses

General Backup Client Settings Contact User Group Authentication Mobile Backup

Settings of the client backup agent for this user.

**Backup Client**

☐ AhsayOBM User ☒ AhsayACB User

**Add-on Modules**

<input type="checkbox"/> Windows System Backup	<input type="checkbox"/> Lotus Notes
<input checked="" type="checkbox"/> Mobile (max. 10)	<input type="checkbox"/> Continuous Data Protection
<input type="checkbox"/> Volume Shadow Copy	<input type="checkbox"/> In-File Delta (Only apply to v8 or before)
<input type="checkbox"/> OpenDirect / Granular Restore <input type="text" value="0"/>	<input checked="" type="checkbox"/> Microsoft 365 Backup <input type="text" value="2"/>
<input checked="" type="checkbox"/> Deduplication	

Quota value

#### NOTE

- Please be reminded that a maximum of two (2) modules are allowed for Microsoft 365 Backup on AhsayACB. If you wish to back up more than two Microsoft 365 users, consider using AhsayOBM instead. Please contact your backup service provider for more details.
- Each AhsayACB Microsoft 365 backup set is limited to one Microsoft 365 user account. Therefore, when you backup two Microsoft 365 user accounts it will require two separate backup sets.

For more detailed examples about the Microsoft 365 license requirement and usage, refer to [Appendix A: Example Scenarios for Microsoft 365 License Requirement and Usage](#).

## 2.7 Backup Quota Requirement

Make sure that your AhsayACB or AhsayOBM user account has sufficient quota assigned to accommodate the storage of the Microsoft 365 users for the new backup set and retention policy. Please contact your backup service provider for more details.

To get an accurate estimate of the backup quota requirement, it is recommended to check the actual usage of the Microsoft 365 Organization in the Microsoft 365 Admin Centre. Please refer to this link: [Appendix F: How to view Item count and Storage used in Microsoft 365 Admin Center](#)

## 2.8 Microsoft 365 License Requirements

### Microsoft 365 Subscription Plan

The following subscription plans with Microsoft 365 email services are supported to run backup and restore on AhsayCBS User Web Console.

Microsoft 365 Business	Microsoft 365 Business Essentials
Microsoft 365 Business Premium	Microsoft 365 Enterprise E1
Microsoft 365 Enterprise E3	Microsoft 365 Enterprise E4
Microsoft 365 Enterprise E5	Microsoft 365 Education

### ❶ **Microsoft 365 Subscription Status**

Make sure your Microsoft 365 subscription with Microsoft is active in order to enjoy all privileges that come along with our backup services. If your account has expired, renew it with Microsoft as soon as possible so that you can continue to enjoy the Microsoft 365 backup services provided by Ahsay.

When your account is expired, depending on your role, certain access restrictions will be applied to your account. Refer to the URL for more details, [Microsoft 365 Subscription Status](#).

### ❷ **Restore Requirement**

When restoring data of Microsoft 365 user, the account which the data will be restored to requires valid license(s):

- ⦿ Requires Exchange License

Example: Exchange Online Plan and Microsoft 365 E3 are required when restoring Outlook's / Public Folder's items.

- ⦿ Requires SharePoint License

Example: SharePoint Online Plan and Microsoft 365 E3 are required when restoring OneDrive's / Personal Site's items.

## 2.9 **Microsoft 365 Permission Requirements for AhsayOBM**

The basic permissions required by a Microsoft user account for authentication of an AhsayOBM Microsoft 365 backup set is as follows:

- **Global Admin Role**

The Microsoft 365 account used for authentication must have Global Admin Role, since Modern Authentication will be used.

This is to ensure that the authorization configuration requirements will be fulfilled (e.g. connect to Microsoft Azure AD to obtain the App Access Token). To assign the role, please refer to [Ch. 2.9.1](#).

- **Term Store Administrator Role**

The Term Store Administrator Role may be required for backup and restore of SharePoint items. To assign the role, please refer to [Ch. 2.9.2](#).

- A member of **Discovery Management** security group

The **Discovery Management** security group must be assigned the following roles. To assign the role, please refer to [Ch. 2.9.3](#).

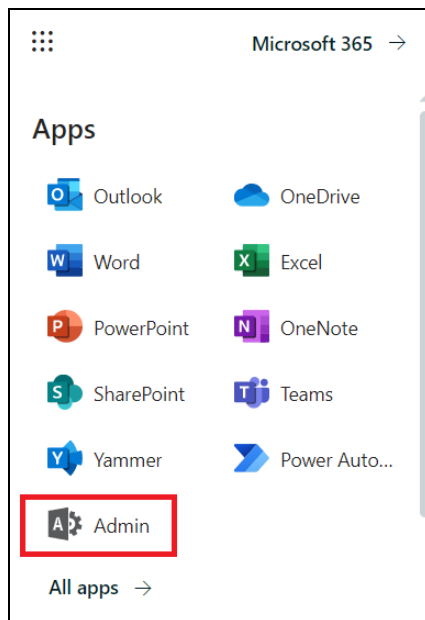
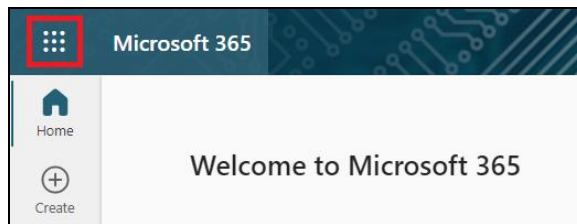
- ⦿ ApplicationImpersonation
- ⦿ Legal Hold
- ⦿ Mailbox Import Export
- ⦿ Mailbox Search
- ⦿ Public Folders

Otherwise, proceed to grant all necessary permissions to the Microsoft user account as shown in the following chapters [2.9.1](#), [2.9.2](#), [2.9.3](#), [2.9.4](#), and [2.9.5](#).

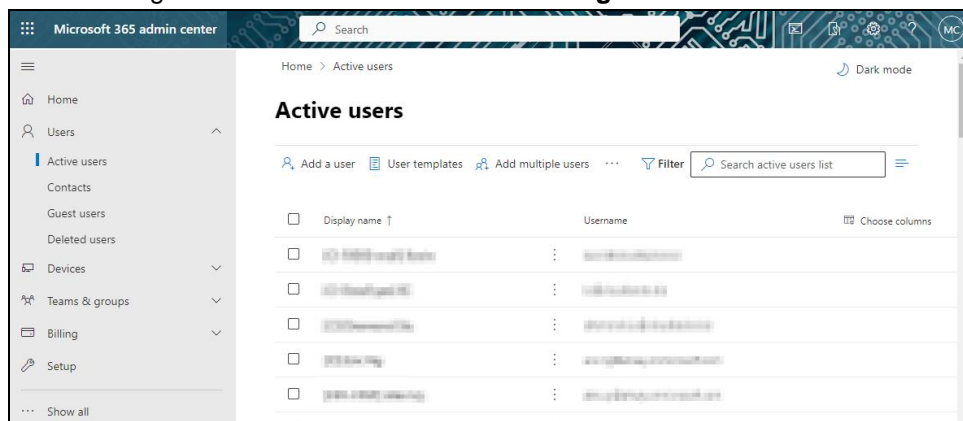
## 2.9.1 Assigning Global Admin Role to Accounts

To assign the Global Admin role to accounts, follow the steps below:

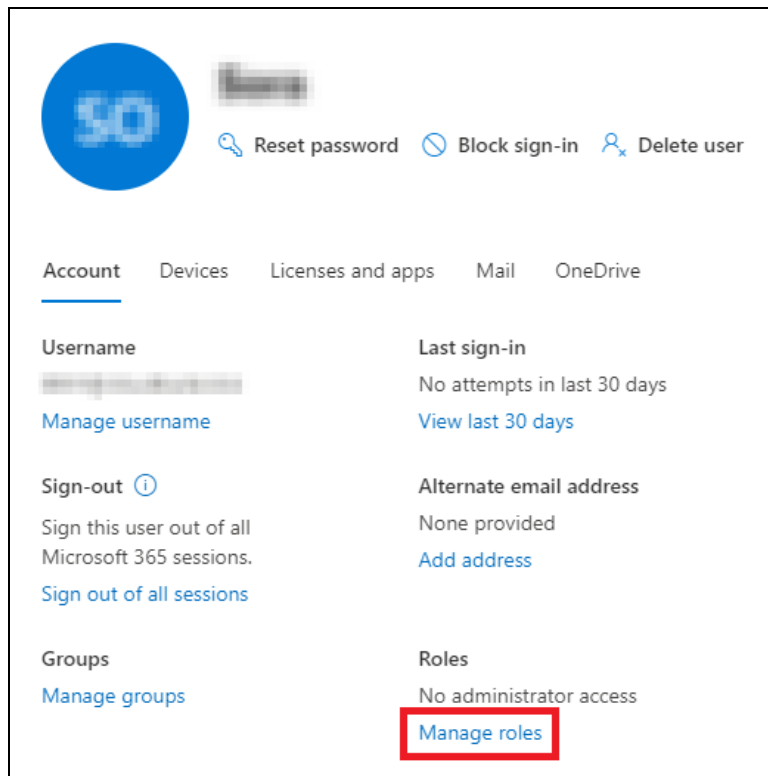
- i. Click the App launcher in the upper left side then click **Admin** to go to the Microsoft 365 admin center.



- ii. In the Microsoft 365 admin center, on the left panel click **Users**. Find the user you want to assign the Global Admin and select **Manage roles**.







SO [Profile Picture]

[Reset password](#) [Block sign-in](#) [Delete user](#)

[Account](#) [Devices](#) [Licenses and apps](#) [Mail](#) [OneDrive](#)

**Username**  
[Redacted]  
[Manage username](#)

**Last sign-in**  
No attempts in last 30 days  
[View last 30 days](#)

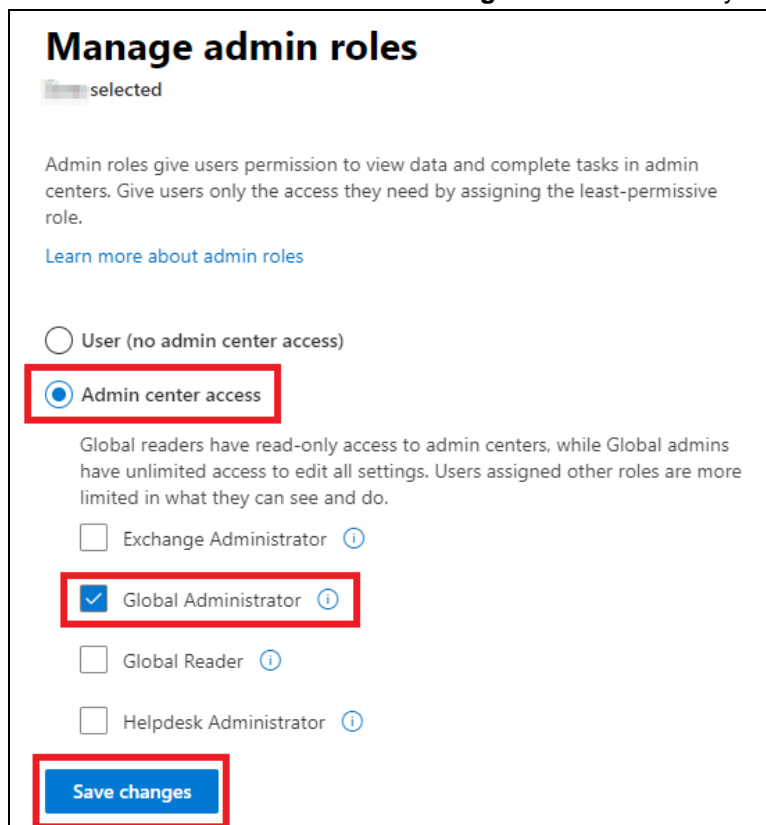
**Sign-out** ⓘ  
Sign this user out of all Microsoft 365 sessions.  
[Sign out of all sessions](#)

**Alternate email address**  
None provided  
[Add address](#)

**Groups**  
[Manage groups](#)

**Roles**  
No administrator access  
[Manage roles](#)

- iii. In the Manage roles window, select **Admin center access** then check the box beside **Global admin**. Click **Save Changes** to save the role you assigned.



## Manage admin roles

[Redacted] selected

Admin roles give users permission to view data and complete tasks in admin centers. Give users only the access they need by assigning the least-permissive role.

[Learn more about admin roles](#)

☐ User (no admin center access)

☒ **Admin center access**

Global readers have read-only access to admin centers, while Global admins have unlimited access to edit all settings. Users assigned other roles are more limited in what they can see and do.

☐ Exchange Administrator ⓘ

☒ **Global Administrator** ⓘ

☐ Global Reader ⓘ

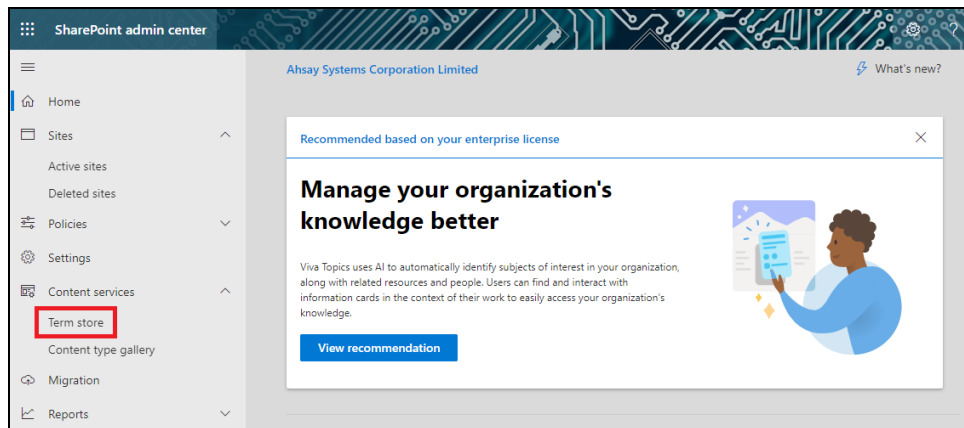
☐ Helpdesk Administrator ⓘ

[Save changes](#)

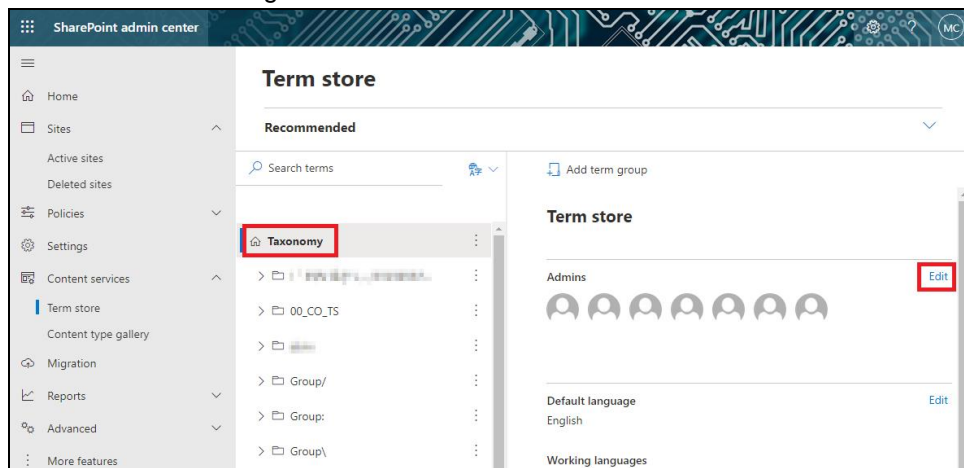
## 2.9.2 Granting Term Store Administrator Role

To add Term Store Administrator role to the Microsoft 365 user account used to authenticate the Microsoft 365 backup set.

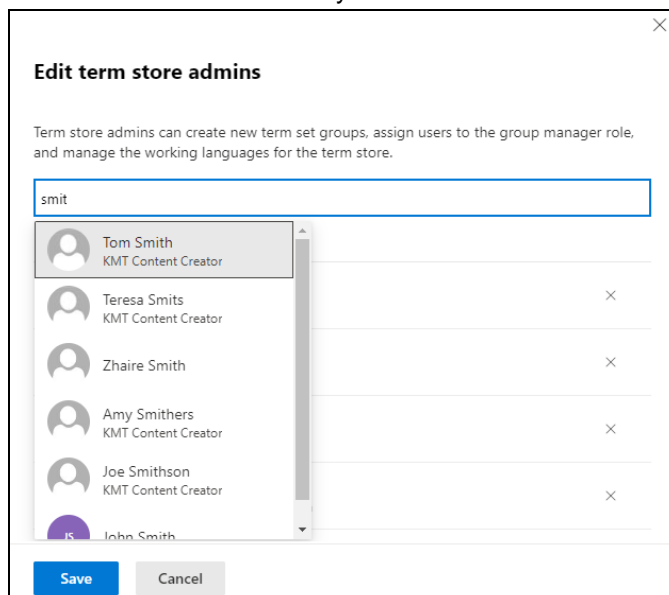
- i. In the SharePoint admin center, under **Content services**, click **Term store**.



- ii. In the tree view pane in the middle, select **Taxonomy**. Then click **Edit** in the Term store section on the right.



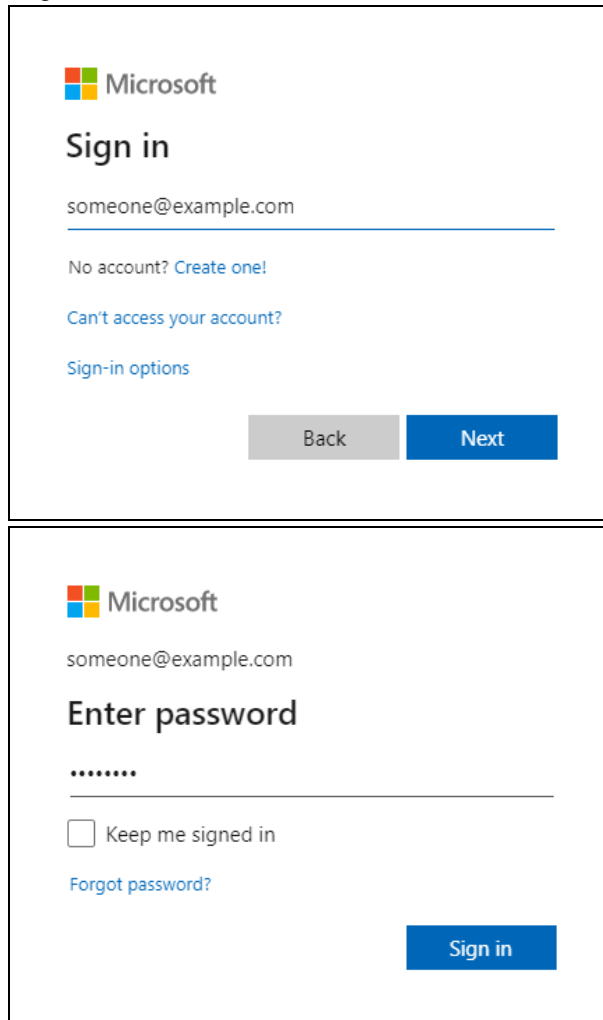
- iii. The “Edit term store admins” panel appears. Enter the names or email addresses of the Microsoft 365 user who you want to add as term store admins then click **Save**.



### 2.9.3 Granting Permission to Discovery Management Group

This permission allows users added under the **Permissions** section of the **Discovery Management** group (refer to [Ch. 2.9.4](#) for setup) to back up and/or restore user item(s) not only for their own account, but also the accounts of other users in the same **Assigned** section.

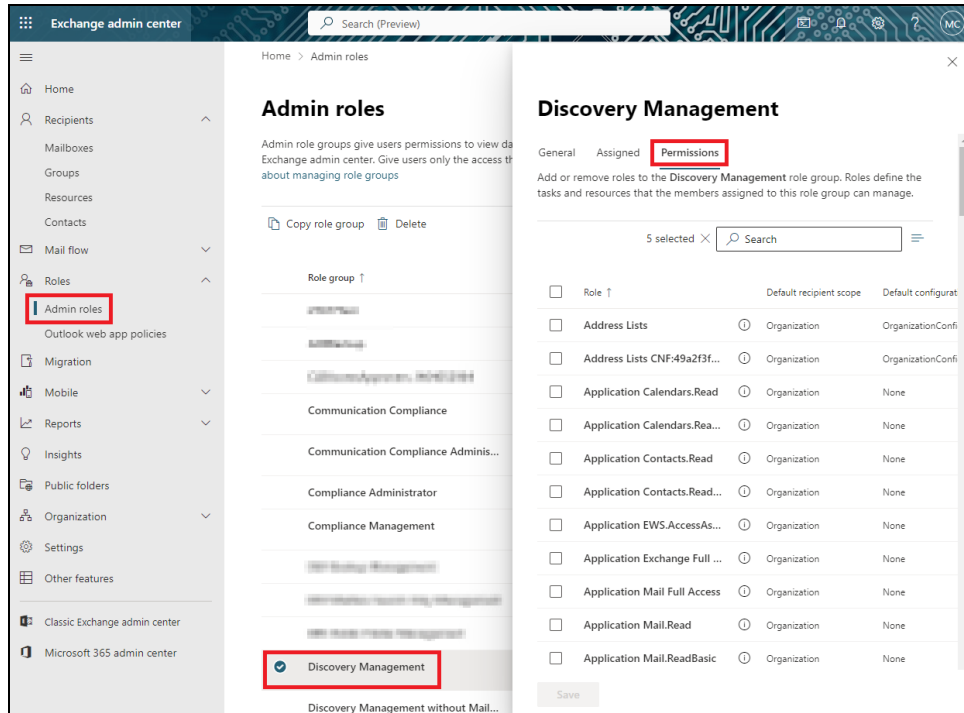
- i. Open <https://admin.exchange.microsoft.com/>
- ii. Log in to the **Microsoft 365** as an account administrator.



The first screenshot shows the Microsoft sign-in page. It features the Microsoft logo at the top left, followed by the text 'Sign in'. Below this is a text input field containing the email address 'someone@example.com'. Underneath the input field are three links: 'No account? Create one!', 'Can't access your account?', and 'Sign-in options'. At the bottom right of the page are two buttons: a grey 'Back' button and a blue 'Next' button.

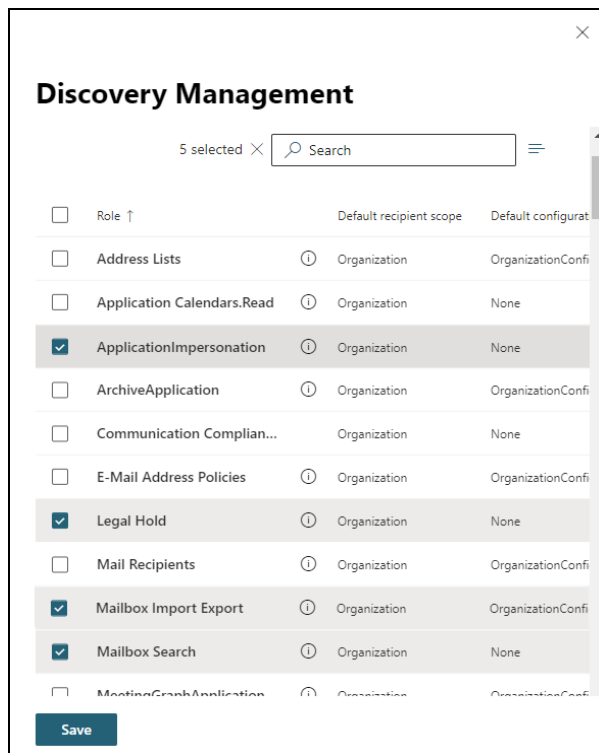
The second screenshot shows the Microsoft 'Enter password' page. It features the Microsoft logo at the top left, followed by the text 'Enter password'. Below this is a password input field with a masked password '.....'. Underneath the input field is a checkbox labeled 'Keep me signed in'. At the bottom left is a link 'Forgot password?'. At the bottom right is a blue 'Sign in' button.

- iii. Select **Admin roles** which is under Roles on the left, then click on **Discovery Management** in the middle. Click on **Permissions** on the right.



- iv. Tick the box beside the roles you want to add. These are the following roles:


- ApplicationImpersonation
- Legal Hold
- Mailbox Import Export
- Mailbox Search
- Public Folders



- v. Click **Save** to confirm and click **X** to exit the setting.

## 2.9.4 Granting Permission to Accounts for Creating Backup Set

- i. Open <https://admin.exchange.microsoft.com/>
- ii. Log in to the **Microsoft 365** as an account administrator.

 Microsoft

Sign in


[No account? Create one!](#)

[Can't access your account?](#)

[Sign-in options](#)

Back

Next

 Microsoft

someone@example.com

Enter password

.....

☐ Keep me signed in

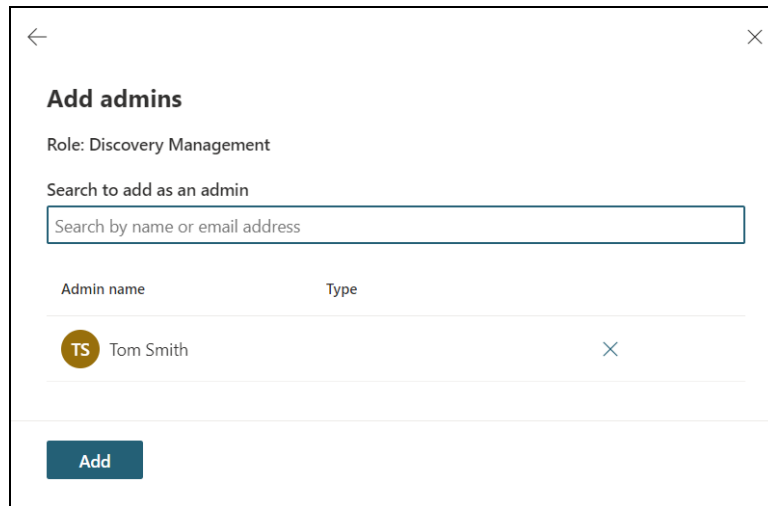
[Forgot password?](#)

[Sign in](#)

- iii. Select **Admin roles** which is under Roles on the left, then click on **Discovery Management** in the middle. Click **Assigned** on the right, then click **Add**.

The screenshot displays the Exchange Admin Center (EAC) interface. On the left, the 'Admin roles' section is highlighted with a red box. The main content area shows the 'Discovery Management' role group selected, which is also highlighted with a red box. The 'Add' button is highlighted with a red box. The 'Discovery Management' role group is selected, and the 'Add' button is highlighted with a red box.

- iv. You can now add users to this group. Search by name or email address then click **Add** once done.




← ×

**Add admins**

Role: Discovery Management

Search to add as an admin

Search by name or email address

Admin name	Type
 Tom Smith	×

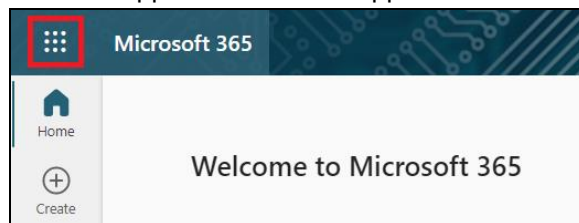
Add

## 2.9.5 Granting Permission to restore all share link types to alternate location in Microsoft 365

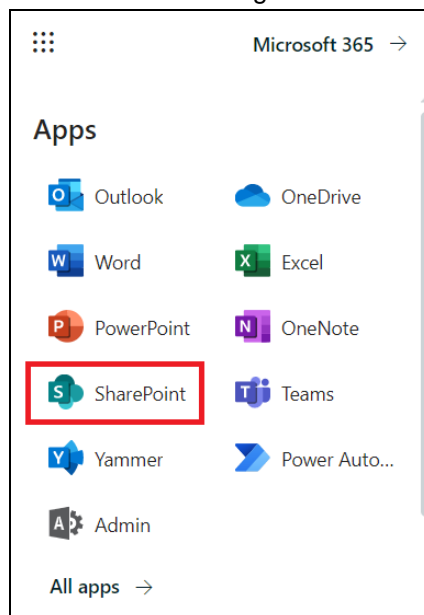
To successfully restore all share link types to alternate location of the same organization in Microsoft 365, follow the settings below:

- ⦿ Allowing anonymous users to access application pages

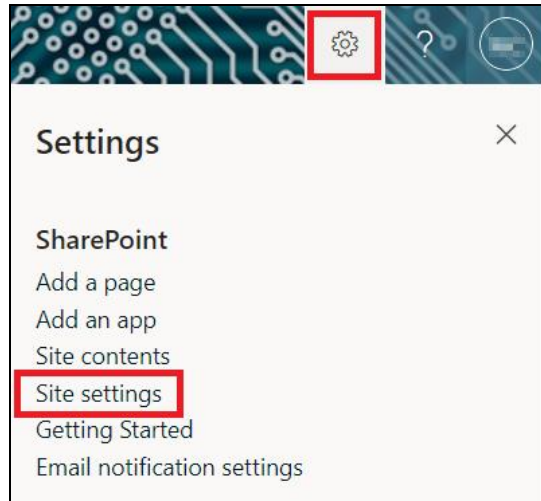
- i. Click the App launcher in the upper left side.



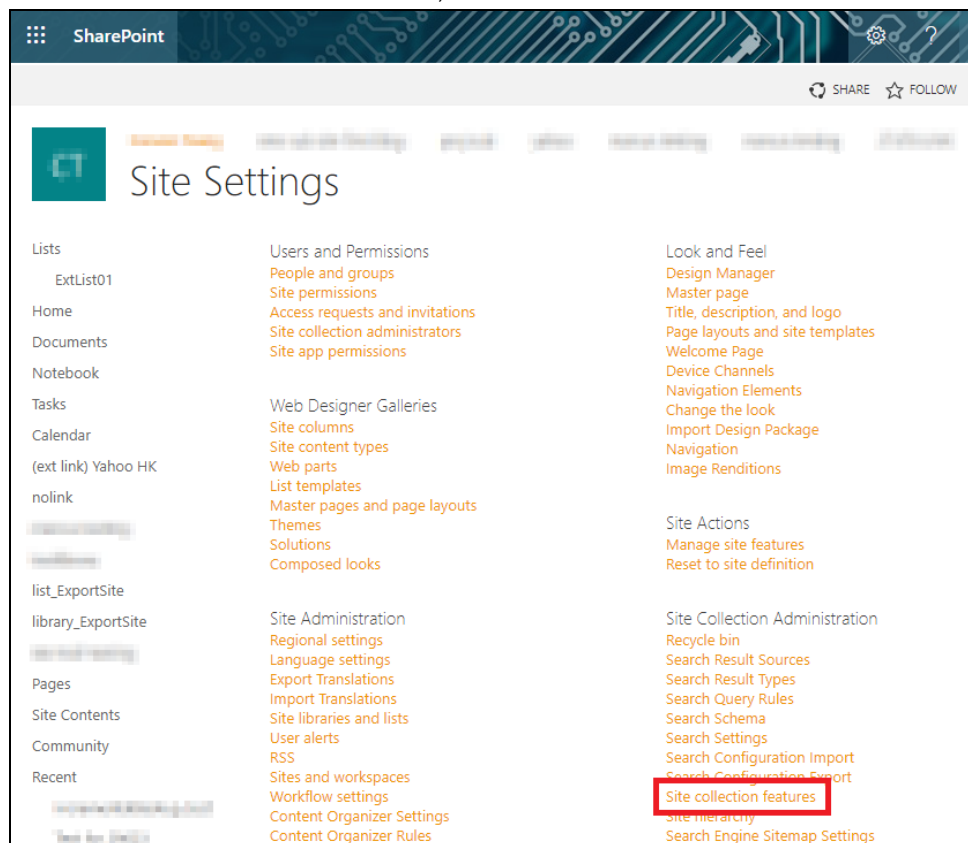
- ii. Click **SharePoint** to go to the SharePoint page.



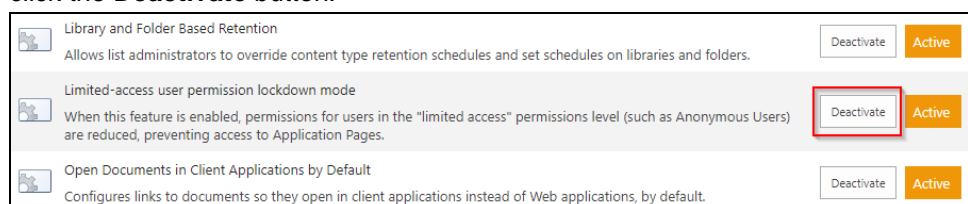
- iii. Click **Settings > Site Settings**.



- iv. Under Site Collection Administration, click **Site collection features**.

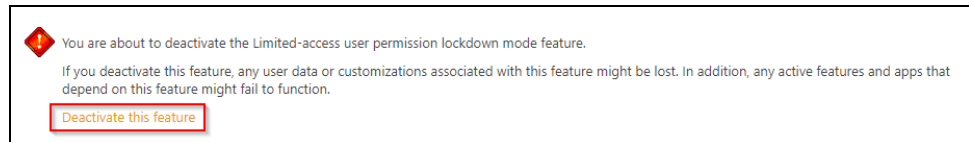


- v. Scroll down and look for “**Limited-access user permission lockdown mode**”, click the **Deactivate** button.

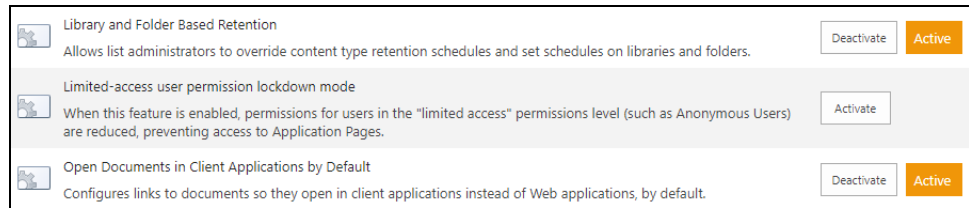


- vi. Click **Deactivate this feature**.



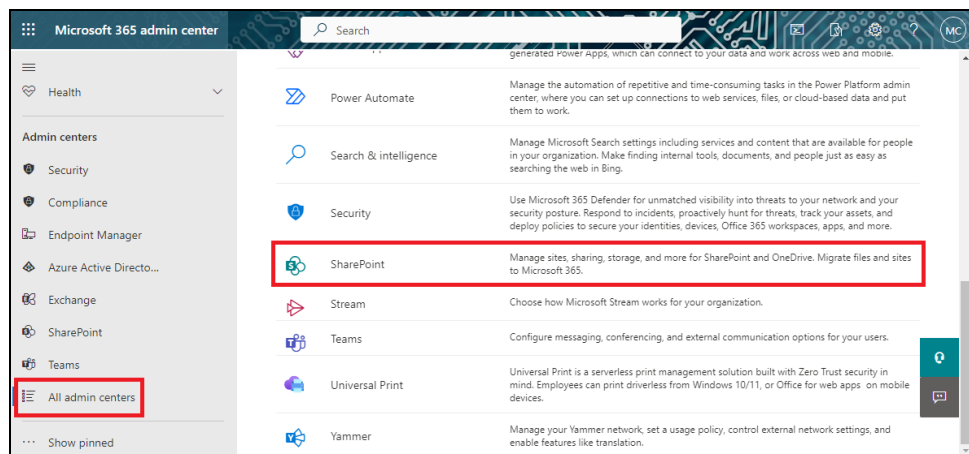


Once deactivated, the Deactivate button will no longer be available.

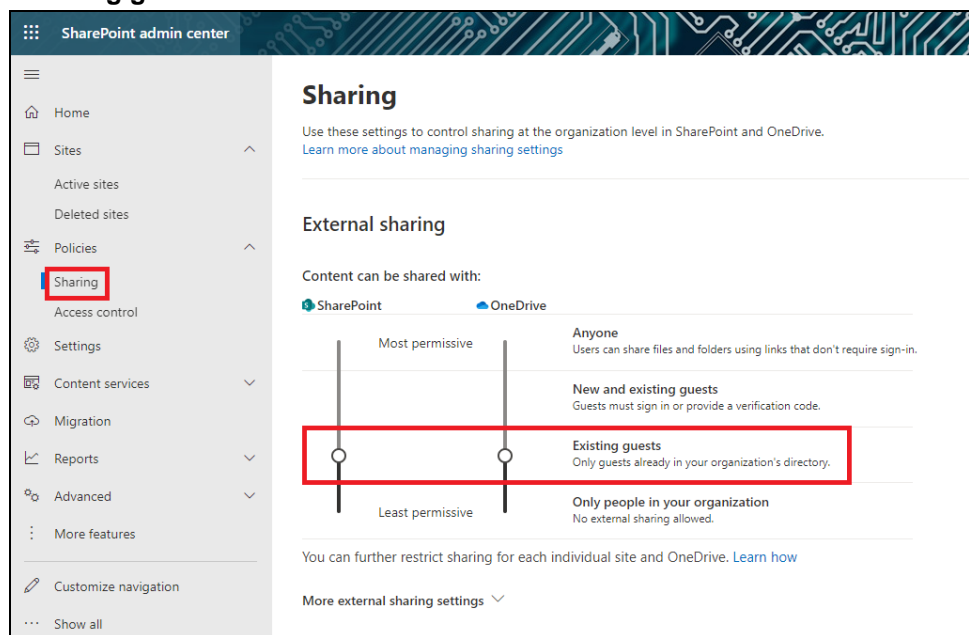


## ⦿ Allowing sharing to external users

- i. Go to your **Microsoft 365 Admin Center** > **All admin centers** > in the right pane select **SharePoint**.



- ii. Go to **Policies** > **Sharing**. Under **External sharing** the button must be in line with **"Existing guests"** and click **Save**.



## 2.10 Microsoft 365 Permission Requirements for AhsayACB

The basic permissions required by a Microsoft user account for authentication of an AhsayACB Microsoft 365 backup set is as follows:

- **Global Admin Role**

The Microsoft 365 account used for authentication must have Global Admin Role, since Modern Authentication will be used.

This is to ensure that the authorization configuration requirements will be fulfilled (e.g. connect to Microsoft Azure AD to obtain the App Access Token). To assign the role, please refer to [Ch. 2.10.1](#).

- A member of **Discovery Management** security group

The **Discovery Management** security group must be assigned the following roles. To assign the role, please refer to [Ch. 2.10.2](#).

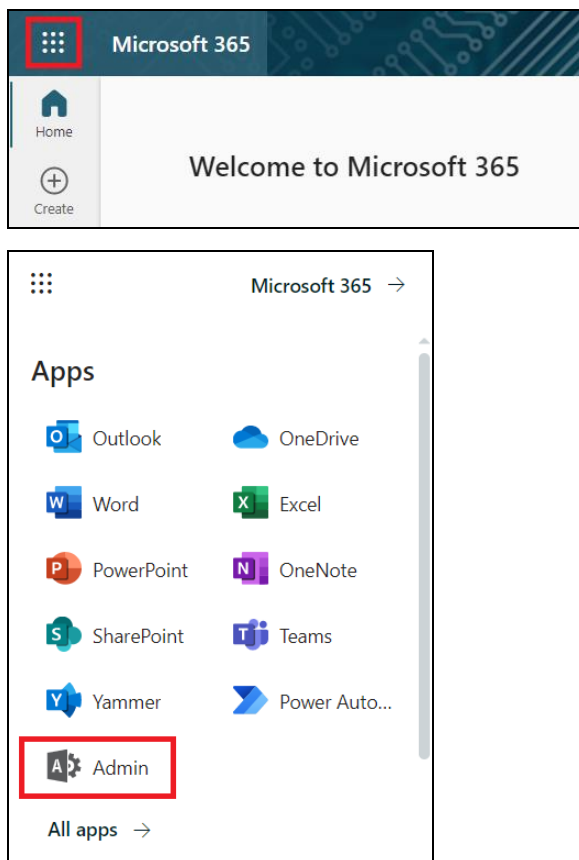
- Mailbox Search
- Public Folders

Otherwise, proceed to grant all necessary permissions to the Microsoft user account as shown in the following chapters [2.10.1](#), [2.10.2](#) and [2.10.3](#).

### 2.10.1 Assigning Global Admin Role to Accounts

To assign the Global Admin role to accounts, follow the steps below:

- i. Click the App launcher in the upper left side then click **Admin** to go to the Microsoft 365 admin center.



- Microsoft 365 admin center

Home

Users

Active users

Contacts

Guest users

Deleted users

Devices

Teams & groups

Billing

Setup

Show all

Search

Home > Active users

Dark mode

Active users

Add a user


User templates




Add multiple users

Filter


Search active users list

<input type="checkbox"/>	Display name ↑		Username	Choose columns
<input type="checkbox"/>	John Doe (jdoe@contoso.com)	⋮	john.doe@contoso.com	
<input type="checkbox"/>	Jane Smith (jsmith@contoso.com)	⋮	jane.smith@contoso.com	
<input type="checkbox"/>	Bob Johnson (bjohnson@contoso.com)	⋮	bob.johnson@contoso.com	
<input type="checkbox"/>	Alice Brown (abrown@contoso.com)	⋮	alice.brown@contoso.com	
<input type="checkbox"/>	Charlie Davis (cdavis@contoso.com)	⋮	charlie.davis@contoso.com	



 [Reset password](#)  [Block sign-in](#)  [Delete user](#)

[Account](#) [Devices](#) [Licenses and apps](#) [Mail](#) [OneDrive](#)

**Username**  
  
[Manage username](#)

**Sign-out** ⓘ  
Sign this user out of all Microsoft 365 sessions.  
[Sign out of all sessions](#)

**Groups**  
[Manage groups](#)


**Last sign-in**  
No attempts in last 30 days  
[View last 30 days](#)

**Alternate email address**  
None provided  
[Add address](#)

**Roles**  
No administrator access  
[Manage roles](#)

- iii. In the Manage roles window, select **Admin center access** then check the box beside **Global admin**. Click **Save Changes** to save the role you assigned.

## Manage admin roles

 selected

Admin roles give users permission to view data and complete tasks in admin centers. Give users only the access they need by assigning the least-permissive role.

[Learn more about admin roles](#)

☐ User (no admin center access)

☒ Admin center access

Global readers have read-only access to admin centers, while Global admins have unlimited access to edit all settings. Users assigned other roles are more limited in what they can see and do.

☐ Exchange Administrator ⓘ

☒ Global Administrator ⓘ

☐ Global Reader ⓘ

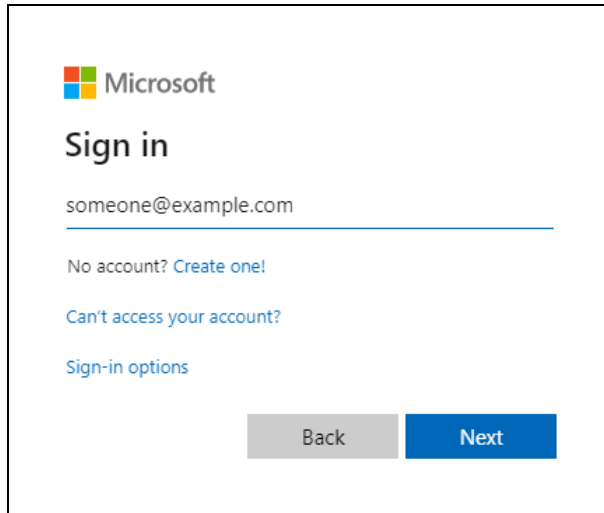
☐ Helpdesk Administrator ⓘ

[Save changes](#)

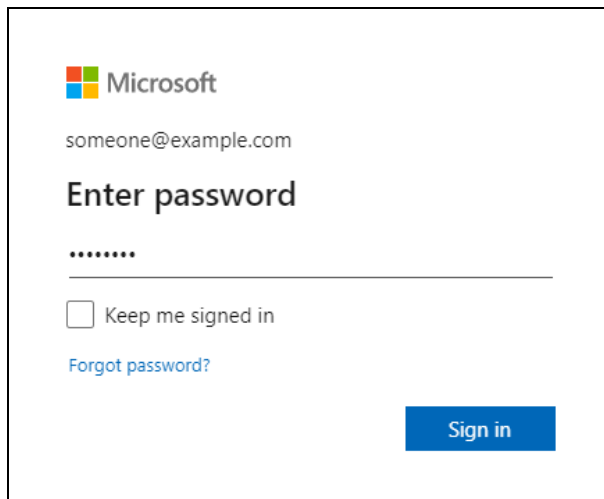
### 2.10.2 Granting Permission to Discovery Management Group

This permission allows users added under the **Members** section of the **Discovery Management** group (refer to [Ch. 2.10.3](#) for setup) to back up and/or restore user item(s) not only for their own account, but also the accounts of other users in the same **Members** section.

- i. Open <https://admin.exchange.microsoft.com/>
- ii. Log in to the **Microsoft 365** as an account administrator.

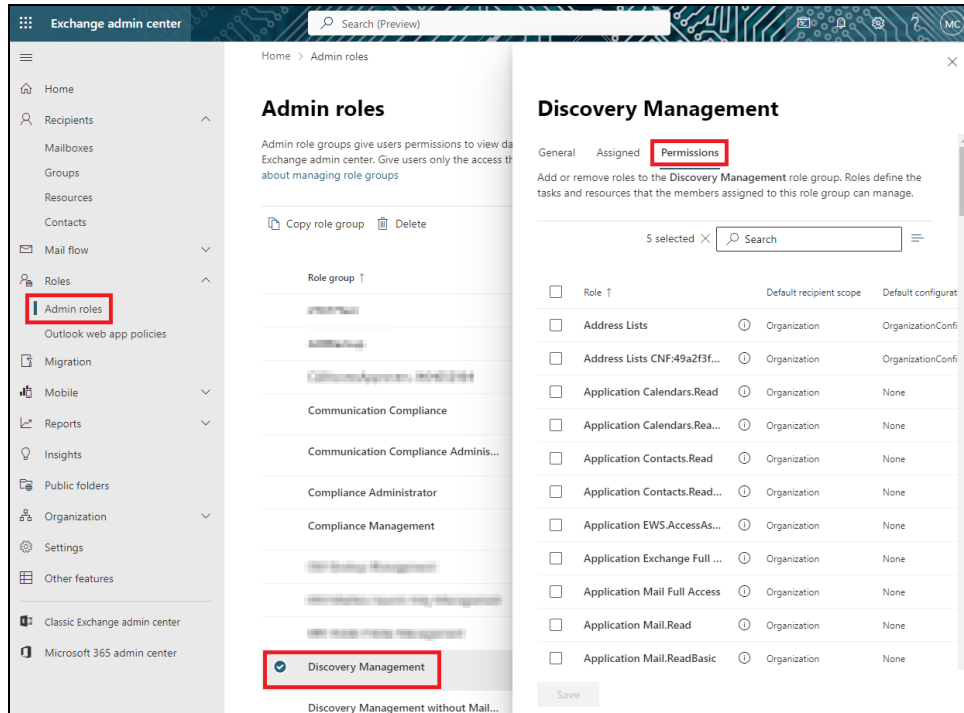


The image shows the Microsoft sign-in page. At the top is the Microsoft logo. Below it is the text "Sign in". There is a text input field containing "someone@example.com". Below the input field are three links: "No account? Create one!", "Can't access your account?", and "Sign-in options". At the bottom are two buttons: "Back" (grey) and "Next" (blue).



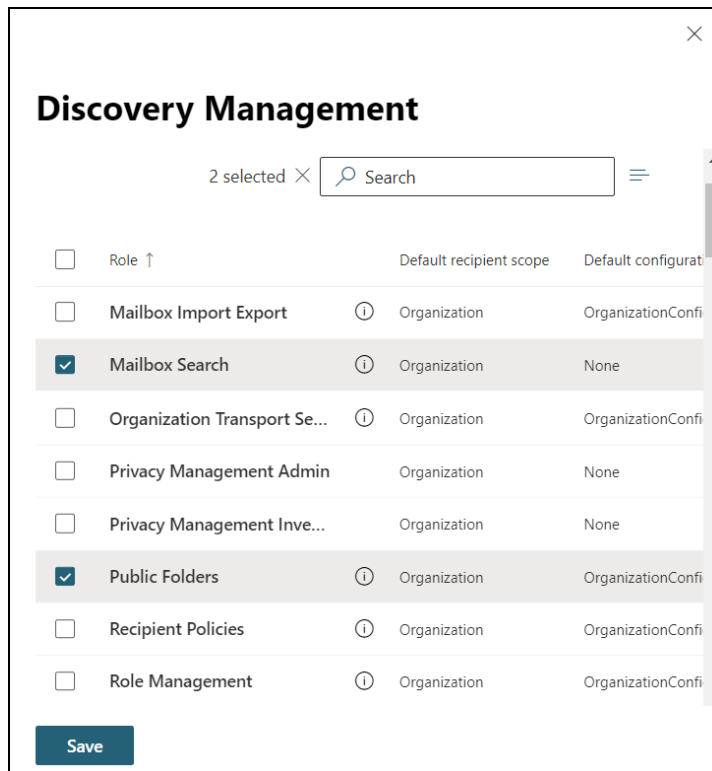
The image shows the Microsoft "Enter password" screen. At the top is the Microsoft logo. Below it is the text "Enter password". There is a text input field containing "someone@example.com". Below the input field is a password input field with "....." as a placeholder. Below the password field is a checkbox labeled "Keep me signed in". Below the checkbox is a link "Forgot password?". At the bottom right is a blue button labeled "Sign in".

- iii. Select **Admin roles** which is under Roles on the left, then click on **Discovery Management** in the middle. Click on **Permissions** on the right.



- iv. Tick the box beside the roles you want to add. These are the following roles:

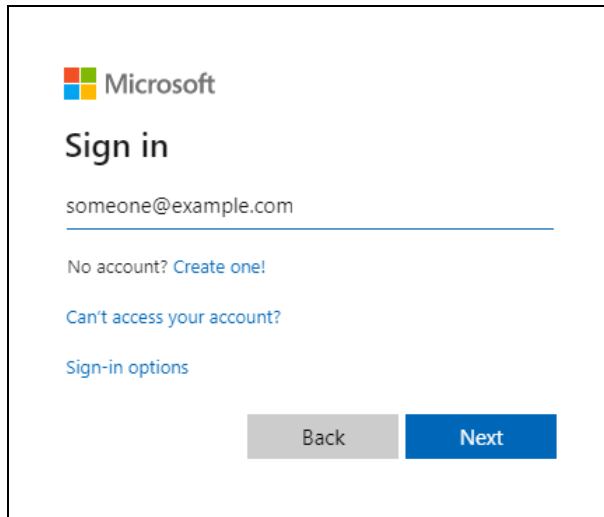
- Mailbox Search
- Public Folders



- v. Click **Save** to confirm and click **X** to exit the setting.

### 2.10.3 Granting Permission to Accounts for Creating Backup Set

- i. Open <https://admin.exchange.microsoft.com/>
- ii. Log in to the **Microsoft 365** as an account administrator.



Microsoft

## Sign in

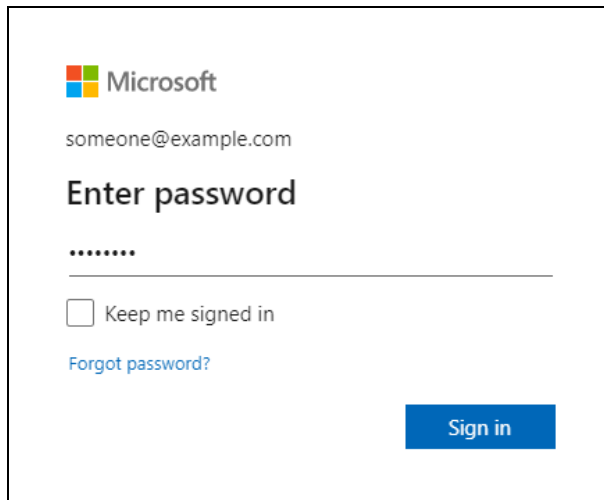
someone@example.com

No account? [Create one!](#)

[Can't access your account?](#)

[Sign-in options](#)

[Back](#) [Next](#)



Microsoft

someone@example.com

## Enter password

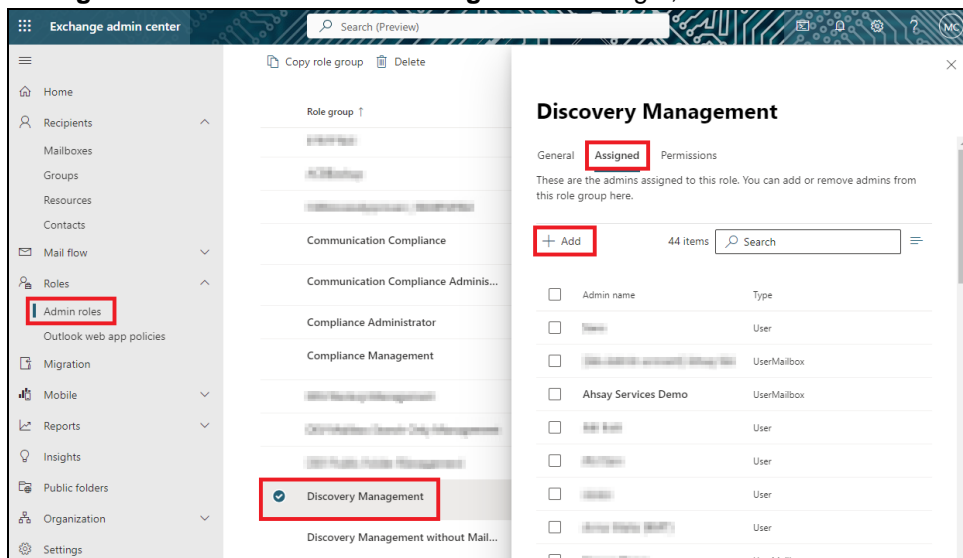
.....

☐ Keep me signed in

[Forgot password?](#)

[Sign in](#)

- iii. Select **Admin roles** which is under Roles on the left, then click on **Discovery Management** in the middle. Click **Assigned** on the right, then click **Add**.



Exchange admin center

Search (Preview)

Home

Recipients

Mailboxes

Groups

Resources

Contacts

Mail flow

Roles

**Admin roles**

Outlook web app policies

Migration

Mobile

Reports

Insights

Public folders

Organization

Settings

Copy role group Delete

Role group ↑

Discovery Management

Communication Compliance

Communication Compliance Adminis...

Compliance Administrator

Compliance Management

Discovery Management

Discovery Management without Mail...

### Discovery Management

General **Assigned** Permissions

These are the admins assigned to this role. You can add or remove admins from this role group here.

[+ Add](#) 44 items Search

Admin name	Type
...	User
...	UserMailbox
Ahsay Services Demo	UserMailbox
...	User
...	User
...	User
...	User
...	UserMailbox



- iv. You can now add users to this group. Search by name or email address then click **Add** once done.

←×

**Add admins**

Role: Discovery Management

Search to add as an admin

Admin name	Type
<div><div>TS</div><div>Tom Smith</div></div>	<span>×</span>

Add

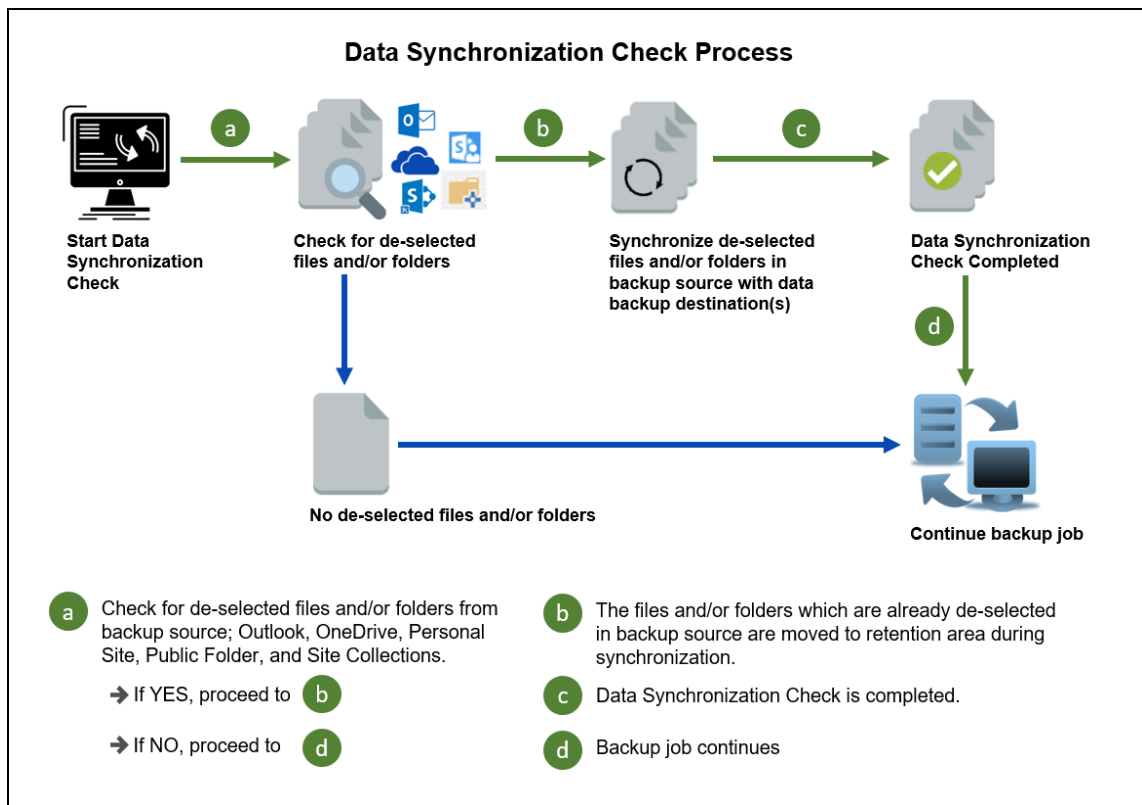
## 2.11 Data Synchronization Check (DSC) Setup

To compensate for the significant backup performance increase, there is a tradeoff made by the Change Key API, which skips the checking of de-selected files in the backup source, which over time can result in a discrepancy between the items or files/folders selected in the backup sources and those in the backup destination(s). However, the Change Key API will continue to check for de-selected Microsoft 365 user accounts or Site Collections. Un-selected individual Microsoft 365 user accounts or Site Collections detected during a backup job will be automatically moved to retention area.

To overcome this, it is necessary in some cases to run a Data Synchronization Check (DSC) periodically. The DSC is similar to a regular Microsoft 365 Change Key API backup job but with the additional checking and handling of de-selected files and/or folders in the backup source. So that it will synchronize the data in the backup source and backup destination(s) to avoid data build-up and the freeing up of storage quota.

Here are the pros and cons of performing the DSC.

	Enabled	Disabled
<b>Backup time</b>	<p>Since DSC is enabled, it will only run on the set interval. For example, the default number of interval is 60 days.</p> <p>The backup time for the data synchronization job which is trigger every 60 days by default will take longer than the usual backup as it is checking the de-selected files and/or folders in the backup source and data in backup destination(s).</p>	<p>As DSC is disabled, the backup time will not be affected.</p>
<b>Storage</b>	<p>Management of storage quota will be more efficient as it will detect items that are de-selected and move it to retention and will be removed after it exceeds the retention policy freeing up the storage quota.</p>	<p>Management of storage quota will be less efficient even though files and/or folders are already de-selected from the backup source, these files will remain in the data area of backup destination(s).</p>



## 2.12 Authentication

To comply with Microsoft's product roadmap for Microsoft 365, Basic Authentication (Authentication using Microsoft 365 login credentials) will no longer be utilized. Instead, all new Microsoft 365 backup sets created will use Modern Authentication.

By second half of 2021, it will be a mandatory requirement for organizations still using Basic Authentication or Hybrid Authentication to migrate to Modern Authentication.

Modern Authentication provides a more secure user authentication by using app token for authentication aside from using the Microsoft 365 login credentials. In order to use Modern Authentication, the Microsoft 365 account is registered under Global region and the Microsoft 365 backup is configured to use Global region. As both Germany and China region do not support Modern Authentication.

Existing backup sets using Basic Authentication created prior to AhsayCBS v8.3.6.0 can be migrated to Modern Authentication. However, once the authentication process is completed, the authentication can never be reverted back to Basic Authentication. For more information on how to migrate to Modern Authentication please refer to [Appendix G: Re-Authentication of Microsoft 365 Backup Set](#). After the upgrade to AhsayCBS v9.1.0.0 or above, the backup and restore process of existing Microsoft 365 backup sets still using Basic Authentication will not be affected during this transition period since Modern Authentication is not yet enforced by Microsoft.

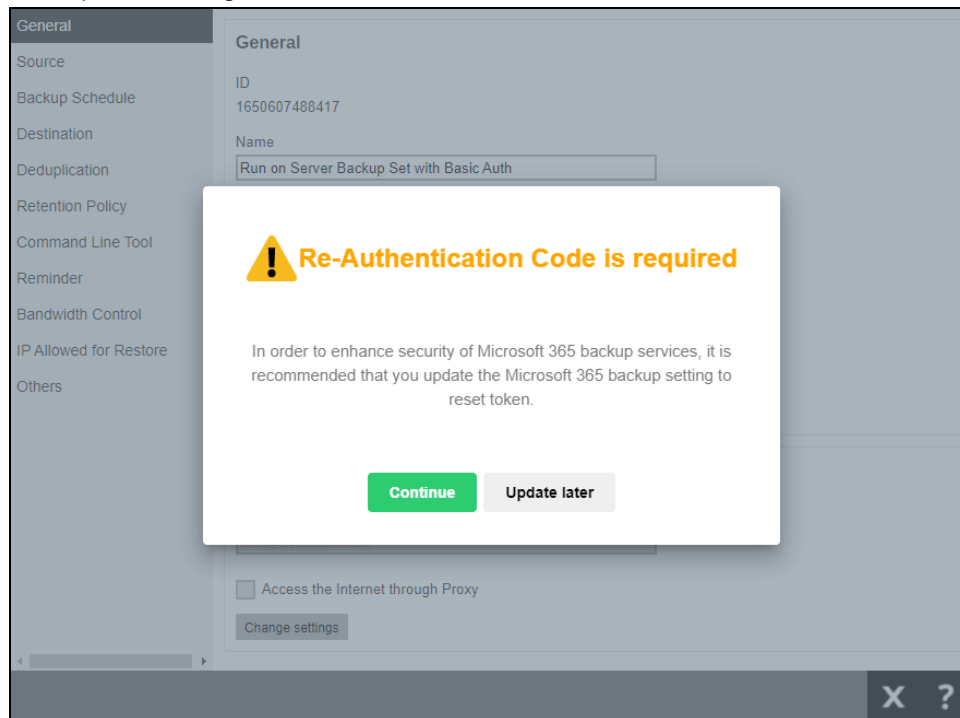
In order to migrate existing backup sets to Modern Authentication there are two (2) methods:

- ▶ The first method is the Microsoft 365 account used for the backup set is assigned the Global Admin.
- ▶ The second method is the Microsoft 365 account used for the backup set is an ordinary account. When changing the settings of the backup set, the user can ask a Microsoft 365 Global Admin to grant permission to authorize the migration of authentication. This is only required in migrating from Basic Authentication to Modern Authentication. **This only needs to be done once per backup set.**

To check the current authentication being used in your Microsoft 365 backup set, see criteria below:

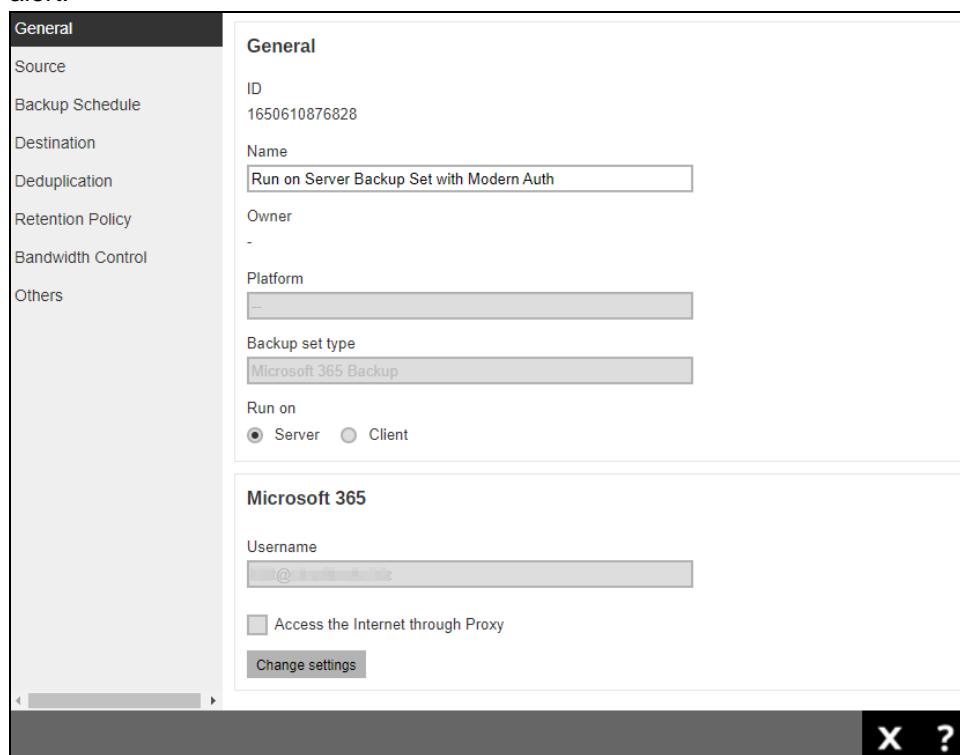
#### • Basic Authentication

If you click on the backup set and the following pop-up message is displayed, then the backup set is using Basic Authentication.




#### • Modern and Hybrid Authentication

For backup set using Modern or Hybrid Authentication, there is no pop up authentication alert.











## 2.13 Supported Services

Below are the supported services of Microsoft 365 Backup module. It is also specified in the table some services that are currently not yet supported by the Microsoft 365 Backup module.

 Microsoft 365			
Services	Supported?	Services	Supported?
 Outlook		 Yammer	
 OneDrive		 Microsoft Stream	
 Personal Site		 Power BI	
 Site Collections		 Power Apps	
 Microsoft Teams			

Below are the supported Outlook Mailbox types of Microsoft 365 Backup.








<div>  <p>Outlook Mailbox</p> </div>			
Item	Supported?	Item	Supported?
Archive Mailbox		Distribution Group	
Dynamic Distribution Group		Equipment Mailbox	
Office 365 Group		Public Folder	
Public Folder Mailbox		Room Mailbox	
Security Group		Shared Mailbox	
User Mailbox			
Notes			
1	For backing up Shared Mailbox on ACB, it is required to set a password to the Shared Mailbox on Office 365 portal, such that it can be logged in on ACB to create backup set		
2	For backing up Public Folder, a licensed Exchange Administrator or a licensed user with Public Folder permission is required		

Below are the items that you can back up or restore from an Outlook mailbox.

 <b>Folder Level</b>			
Item	Supported?	Item	Supported?
Archive	✓	Calendar	✓
Clutter	✓	Companies	✗
Contacts	✓	Conversation History	✗
Deleted Items	✓	Drafts	✓
External Contacts	✗	GAL Contacts	✗
Inbox	✓	Journal	✗
Junk Emails	✓	Notes	✓
Organizational Contacts	✗	Outbox	✗
PeopleCentricConversation Buddies	✗	PersonMetaData	✗
Recipient Cache	✗	RSS Feeds	✓
Search Folders	✗	Sent Items	✓
Social Activity Notifications	✗	Sync Issues	✗
Tasks	✓	Trash	✓
<b>Note</b>			
AhsayOBM supports the folders types which are shown in the Outlook Web Access (OWA), except the Conversation History because it is not related to mail objects.			



Below are the items that you can back up or restore from OneDrive.

<div> OneDrive</div>			
Item	Supported?	Item	Supported?
Folders		Files	
Access Permissions		Albums	
Recycle Bin		Tag	

Below are the items that you can backup or restore from Teams Chat / Channel.

<div> Teams Chat / Channel</div>			
Item	Supported?	Item	Supported?
Attachments		Channel replies	
Chat & Channel message		Loop List (fluid)	
Mentions		One-on-one & Group Chat	
Public & Private Channel		Reactions	
Voice message (created via mobile app)			
<div>Note</div> <div>AhsayOBM supports backup and restore of attachments from OneDrive/Group Site only when it is selected in the backup source.</div>			

















Below are the Site Collections/Personal Site items that you can back up or restore from a Microsoft 365 backup set.

<div>              Site Collections / Personal Site         </div>			
Item	Supported?	Item	Supported?
Announcements		Assets Libraries	
Bright Banner		Calendar	
Contacts		Custom Lists	
Data Connection Libraries		Discussion Boards	
External Lists		Form Libraries	
General Settings	 <sup>1</sup>	Import Spreadsheets	
Issue Tracking		Links	
Look and Feel		Manage Site Features	
Newsfeed		Permissions and Management	 <sup>2</sup>
Picture and Libraries		Report Libraries	
Site Collection Features		Site Page	
Survey		Version History	 <sup>2</sup>
Wiki / Page Libraries			
Notes			
<sup>1</sup>	For the General Settings, only the List Name can be restored.		
<sup>2</sup>	For the Version History and Permissions and Management, the backup and restore are supported for OneDrive files and SharePoint documents (Document Library) only.		

Below are the SharePoint Site Collections template that you can back up or restore from a Microsoft 365 backup set.

SharePoint Site Level Collection			
Item	Supported?	Item	Supported?
Team Site		Team Site (Classic Experience)	
Blog		Project Site	
Developer Site		Community Site	
Document Center		eDiscovery Center	
Records Center		Business Intelligence Center	
Compliance Policy Center		Enterprise Search Center	
Community Portal		Basic Search Center	
Visio Process Repository		Enterprise Wiki	
Publishing Portal		Modern Communication Site	
Modern Team Sites			

Below is the Site Column Type that you can back up or restore from a Microsoft 365 backup set.

Site Column Type			
Item	Supported?	Item	Supported?
CalendarFolderType		CalendarItemType	
ContactItemType		ContactsFolderType	
DistributionListType		FolderType	
MeetingCancellation MessageType		MeetingMessageType	
MeetingRequestMes sageType		MeetingResponse MessageType	
MessageType		PostItemType	
SearchFolderType		TasksFolderType	
TaskType		UserConfigurationType	






Below are the items from the Public Folder that you can backup and restore from a Microsoft 365 backup set.

Public Folders			
Item	Supported?	Item	Supported?
Folders		Files	





## 2.14 Maximum Supported File Size

The following table shows the maximum supported file size per item for backup and restore of each service.

### 2.14.1 AhsayOBM

Service	Maximum File Size
 <b>Outlook</b> with or without attachments (applies to User mailbox, Room mailbox, Shared mailbox, Equipment mailbox)	150 MB
 <b>Public Folders</b> with or without attachments	150 MB
 <b>OneDrive</b>	8 GB
 <b>Personal Site</b>	8 GB
 <b>Site Collections</b>	8 GB

### 2.14.2 AhsayACB

Service	Maximum File Size
 <b>Outlook</b> with or without attachments (applies to User mailbox, Room mailbox, Shared mailbox, Equipment mailbox)	150 MB
 <b>Public Folders</b> with or without attachments	150 MB
 <b>OneDrive</b>	8 GB
 <b>Personal Site</b>	8 GB

## 2.15 Limitations

### 2.15.1 AhsayOBM

#### Ahsay Limitations

##### • Modern Authentication

- Modern Authentication is only supported for Microsoft 365 account that is registered in Global region and the Microsoft 365 backup is configured to use Global region.
- Migration to Modern Authentication is not supported on a Microsoft 365 account without a Global Admin role; or during the migration process, the Microsoft 365 account used to authenticate the migration does not have Global Admin role.
- Backup and restore of the site features setting for SharePoint Site Collection and/or Personal Site using Modern Authentication is not supported.
- Due to limitations in Microsoft API, when using Modern Authentication, backup and restore of SharePoint Web Parts and Metadata are not fully supported.
- Backup sets using Modern Authentication do not support backup of external content types (through the linkage from selected lists).
- Backup sets using Modern Authentication do not support backup and restore of the following:
  - Some list settings, currently known as Survey Options on survey list.
  - Feature setting for SharePoint Site and Personal Site.

##### • SharePoint

- Document Libraries, List Items and their default Column Types will be supported, excluding customized Apps and SharePoint App Store applications.
- Most of site lists will be supported, except for certain list types that will be skipped during restore due to API limitation, for example is Microfeed in Classic Team Site.
- Site logos will NOT be restored, it is suggested revisiting the site setting page and manually add the missing images if necessary.
- User-defined workflow templates will NOT be supported for backup and restore.
- Recycle Bin will NOT be supported for backup and restore.
- Most of Site level settings will NOT be restored, except for those essential to support the successful restore of the backup items e.g. Manage Site Feature / Site Collection Feature.

- ⦿ Most of List level settings (including List view) will NOT be restored, except for those essential to support the successful restore of backup items, e.g. item checkout settings. Following restore, it is suggested revisiting the relevant settings if necessary. This may affect list column ordering and visibility after restoring.
- ⦿ Restoring External Data column is NOT supported if external content type has been deleted via SharePoint Designer.
- ⦿ Restoring of multiple Value of managed metadata column when the key name (column name) contains space is NOT supported.
- ⦿ Restoring of list with local managed metadata column to alternate location is NOT supported.
- ⦿ The restore of SharePoint documents or folders with the following characters: / \ | \* : " < > in item name to a Windows local computer is not supported. As Windows does not support these characters for either a file or folder name.
- ⦿ Restoring Newsfeed items in **Modern Team Site** will not publish the items to Homepage automatically, user will need to navigate to **Site Content > Page Library**> click on each individual news item and "Post" the news one by one manually.
  - Backup User (except for Global Admin) may not have permission to back up the site collection even if he/she can view it in the backup source tree. FOR EACH site collection, the user can back up only if he/she is assigned as a site admin of that site collection. Feature setting for SharePoint Site and Personal Site.
    - If the user is assigned as site admin of the root level site collection only, he/she is not automatically added as site admin of other site collection under that root level site collection (e.g. If user is to backup specific site collection under the root, he/she has to be added as site admin of that specific site collection under the root also).
    - For site collection that can be viewed by user in the source tree which he/she is not yet assigned as a site administrator:
      - when user expand the node of that site collection, access denied error pop up will be given.
      - when user tick such site collection to backup, access denied error will be given in the backup log.

## ▶ OneDrive

- ⦿ Backup and restore of file share links will be supported for OneDrive and SharePoint Documents only, and only for restore to the same Microsoft 365 organization.
- ⦿ Backup and restore of all versions will be supported for **OneDrive and SharePoint Documents** only, except for ".aspx" files.



## Teams

- Backup of external chat/message, attachment to system message backup (e.g. meeting recording) and backup tabs, pins for chat/channel are not supported.
- Restore of chat/channel to original thread is not supported. Restore only as data export in HTML format, stored to local or OneDrive.
- Refer to the table below for the limitations regarding Teams Chat backup.

	Teams Chat only without OneDrive	Teams Chat with OneDrive
<b>Entire Organization</b>	Only the chat room that include the selected users and messages sent by the selected users will be backed up. If the messages contain attachments (Files), the Files will not be backed up since OneDrive was not selected.	Only the chat room that include the selected users and messages sent by the selected users will be backed up. If the messages contain attachments (Files), only the Files of the selected users will be backed up. It will not include the Files shared by other users that were not selected for backup.  This is a limitation with the Microsoft API, as the shared file is located in the other users' OneDrive, which was not selected for backup.  To backup Teams Chat to include Files from all users in the chat, then all users who participated in the chat will also need to be selected for backup.
<b>This Microsoft 365 user only</b>	Chat rooms of the login user will be backed up, including messages from other users and from the login user. If the messages contain attachments (Files), the Files will not be backed up since they are located in OneDrive which was not selected.	Chat rooms of the login user will be backed up, including messages from other users and from the login user. If the messages contain attachments (Files), only the Files of the login user will be backed up, it will not include the files shared by other users since the other users were not selected for backup.

Here are some sample scenarios:

### Example No. 1

---


You are required to backup Microsoft 365 user: Tom

Selection:





- Backup Scope: Entire Organization

**Backup Scope**  
☒ Entire Organization  
☐ This Microsoft 365 user only

- Microsoft 365 user: Tom

**Select Specific Source**  
☒ Sort by alphabetical order ☐ Sort by User Group  
  
**Uncheck All Current Items**  
☒  Tom Smith (tom.smith@lebslama.com)

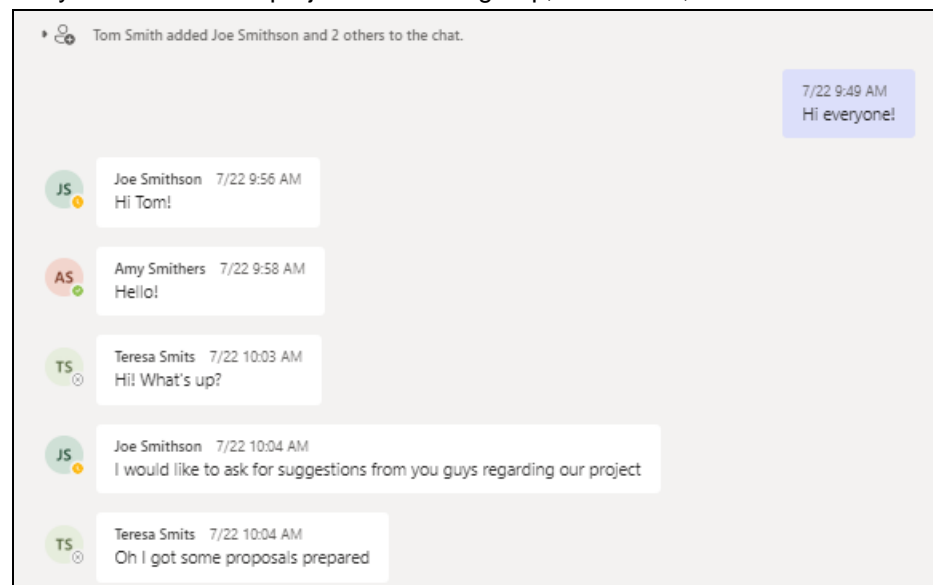
- Data type: Teams Chat (assuming no Outlook or Personal Site data) and OneDrive

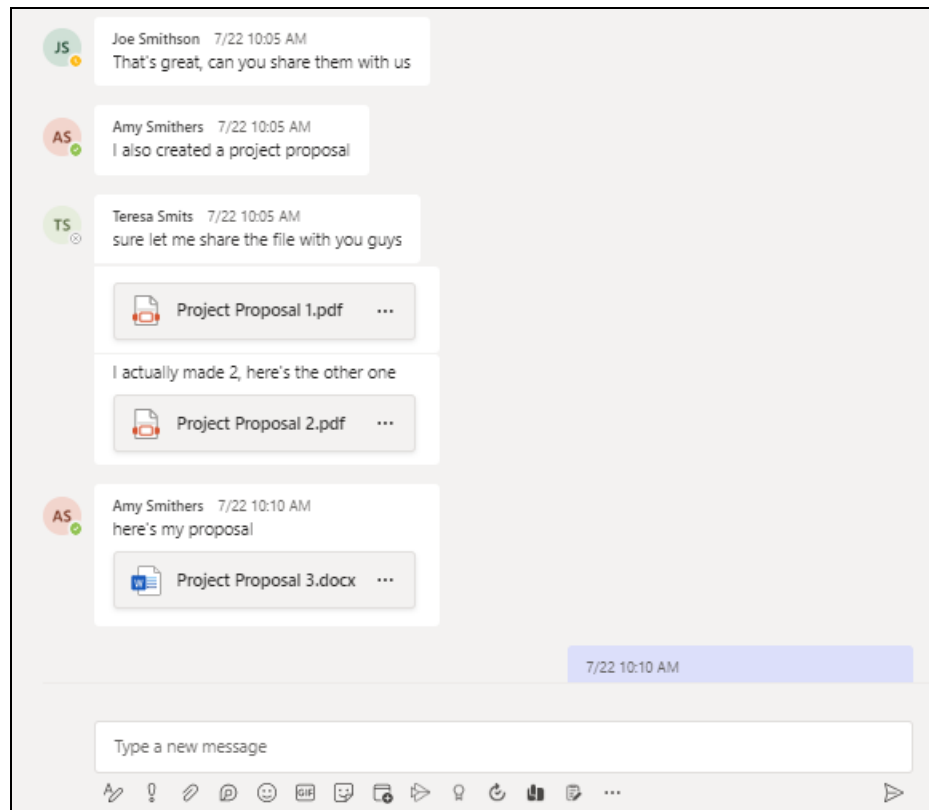
Select the data type that you want to backup which are owned by the selected user(s)  
☐  Outlook ☒  OneDrive ☐  Personal Site ☒  Teams Chat

Scenario:

Tom is in a group Teams Chat which includes Amy, Joe and Teresa.

They chat about their project within the group, share files, etc.





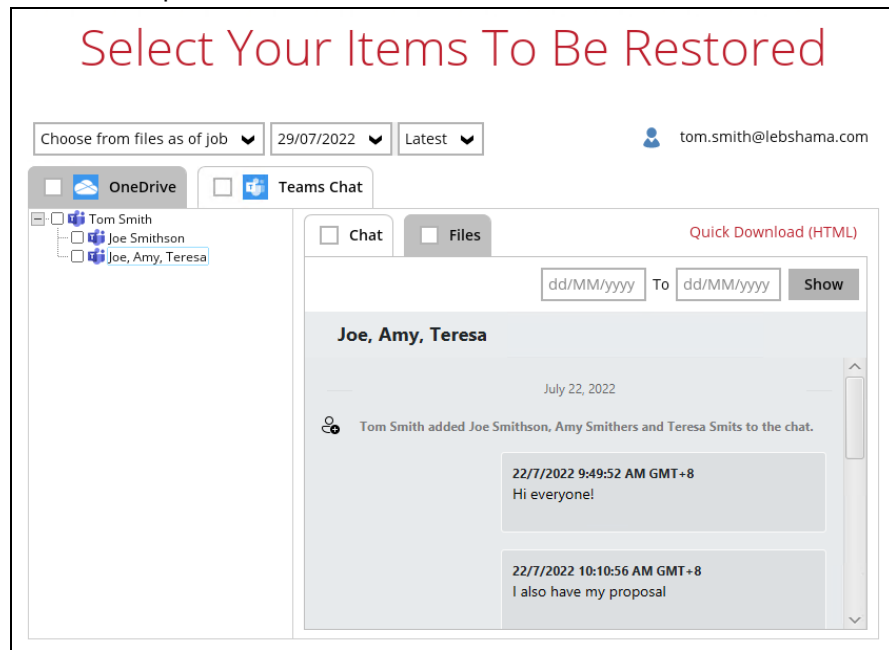
If you create a Backup Set and select only Tom; it will include only messages sent by Tom for the 1:1 group chat where Tom is included.

It will only include files that Tom had attached. It will not backup file attachments from the other three participants.

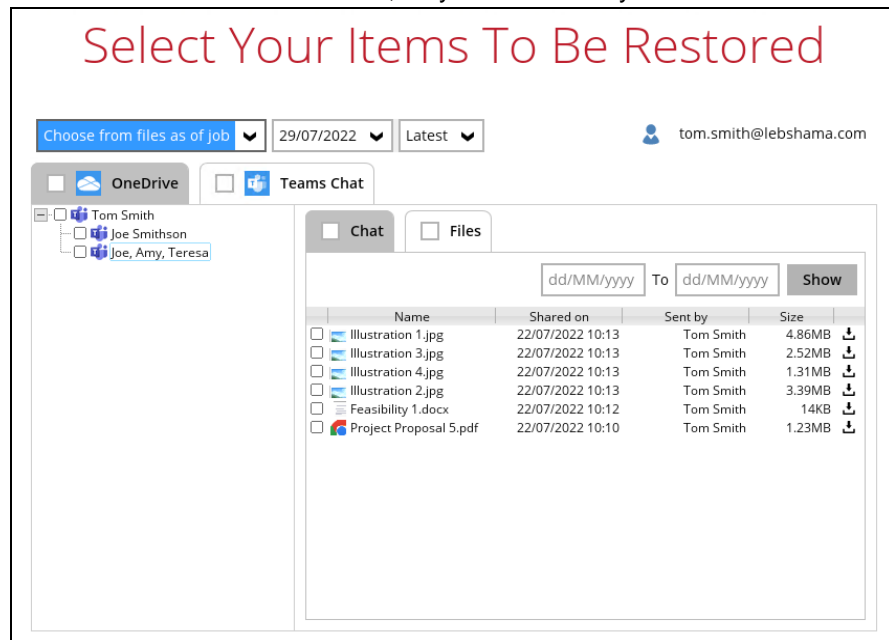
There will be Warnings after backup that items were not backed up when not all the users involved in the conversation are selected for backup. This is a sample of the warning that can be viewed from the backup report *"Messages from users joe.smithson@lebshama.com in Chat "Joe SmithsonTom Smith," will skip to backup cause users are not selected"*.

⚠	Messages for users "joe.smithson@lebshama.com" in Chat "Joe SmithsonTom Smith, " will skip to backup cause users a...	29/07/2022 08:41:31
⚠	Messages for users "joe.smithson@lebshama.com,amy.smithers@lebshama.com,teresa.smits@lebshama.com" in Chat...	29/07/2022 08:41:32
⚠	Re: Messages for users "joe.smithson@lebshama.com" in Chat "Joe SmithsonTom Smith, " will skip to backup cause users are not selected	29/07/2022 08:41:34
ℹ	Start validating the presence and size of backup data in destination "AhsayCBS"...	29/07/2022 08:41:34

When you Restore from this Backup Set to choose this group Teams Chat you will only see messages from Tom. Check the screenshot of the actual conversation [above](#), as you can see the messages from the other users were not backed up.



You will only be able to download and/or restore files shared by Tom. This means you will need to include the other users in your Backup Set Source selection if you want to be able to download and/or restore the files they shared. In the screenshot below, only files shared by Tom will be listed.



## Example No. 2



You are required to backup Microsoft 365 user: Joe.

Selection:





- Backup Scope: Entire Organization

**Backup Scope**  
☒ Entire Organization  
☐ This Microsoft 365 user only

- Microsoft 365 user: Joe and Tom

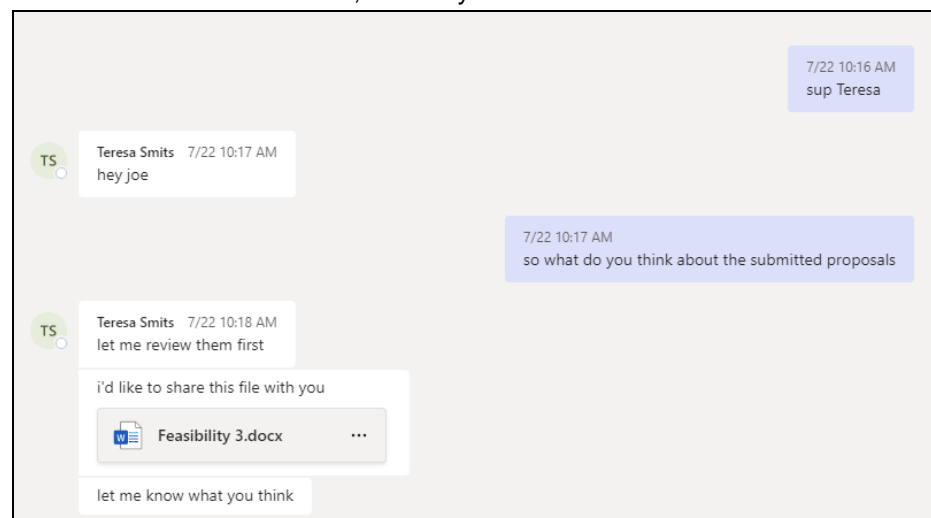
**Select Specific Source**  
☒ Sort by alphabetical order ☐ Sort by User Group  
  
**Uncheck All Current Items**  
☒  Joe Smithson (joe.smithson@lebshama.com)  
☒  Tom Smith (tom.smith@lebshama.com)

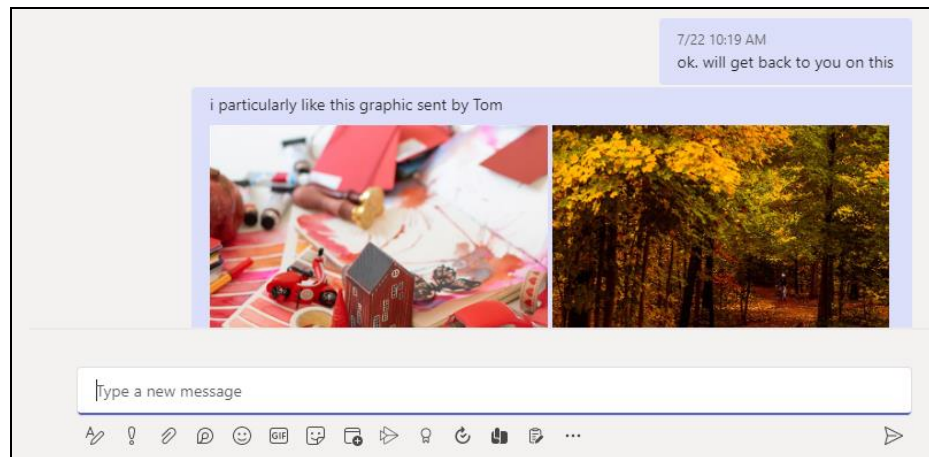
- Data type: Teams Chat (assuming no Outlook or Personal Site data) and OneDrive

Select the data type that you want to backup which are owned by the selected user(s)  
☐  Outlook ☒  OneDrive ☐  Personal Site ☒  Teams Chat

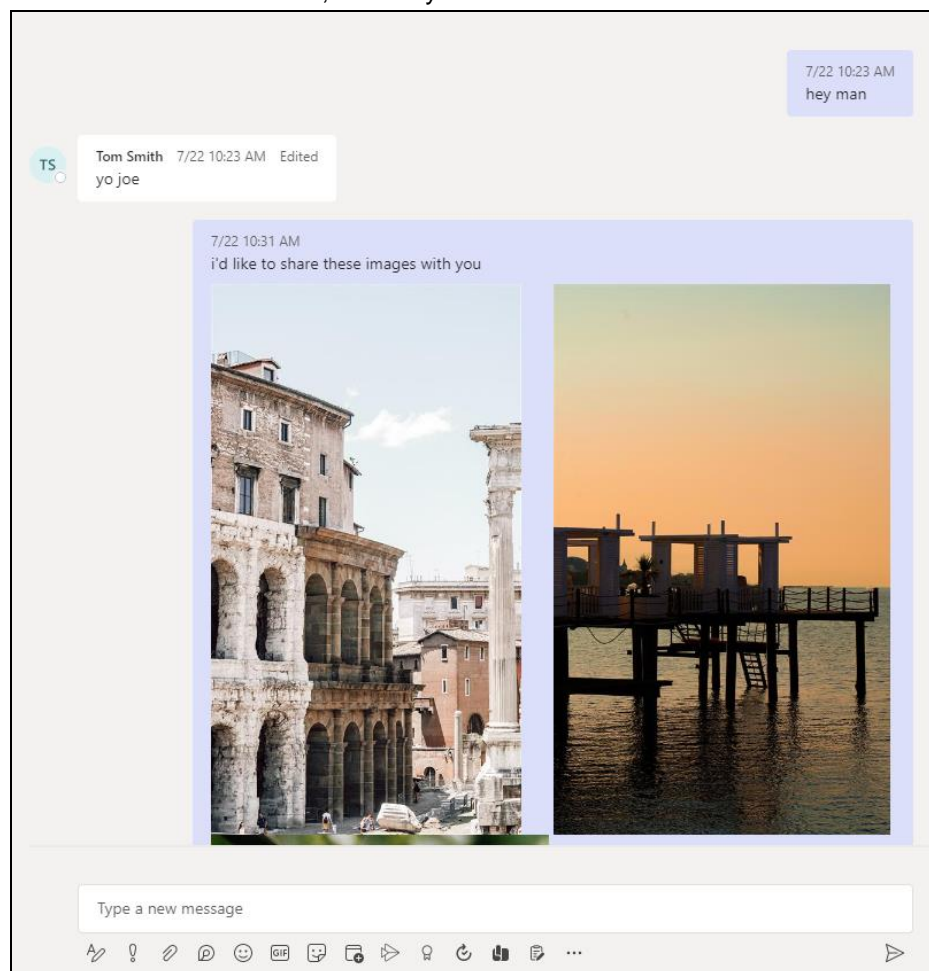
Scenario:

Joe has 1:1 chat with Teresa, and they shared files with each other.





Joe has 1:1 chat with Tom, and they shared files with each other.



If you create a Backup Set and select only Joe and Tom, it will include Joe's chat message with Tom, and files shared by Joe and Tom. It will not include Teresa's chat message and file attachments.


There will be Warnings after backup that items were not backed up when not all the users involved in the conversation are selected for backup. This is a sample of the warning that can be viewed from the backup report “Messages from users *teresa.smits@lebshama.com* in Chat “Joe SmithsonTeresa Smits,” will skip to backup cause users are not selected”.

⚠	Messages for users "teresa.smits@lebshama.com" in Chat "Joe SmithsonTeresa Smits, " will skip to backup cause u...	29/07/2022 08:10:35
ℹ	[Update Attribute]... 100% of "Office 365/Chats/19:3acba344-4934-473c-9e0d-8bf58f7d346c 85e51e41-6260-4834-...	29/07/2022 08:10:35
ℹ	[d]Messages for users "teresa.smits@lebshama.com" in Chat "Joe SmithsonTeresa Smits, " will skip to backup cause users are not selected	36

When you Restore from this Backup Set to choose from Joe’s list of chats, you can open the conversation between Joe and Tom, you can also restore any files they shared with each other.

The chat displays messages from Joe and Tom.

## Select Your Items To Be Restored

Choose from files as of job  29/07/2022  Latest   joe.smithson@lebshama.com

☒ OneDrive
 ☐ Teams Chat

☐ Joe Smithson
 


- ☐ Amy, Teresa, Tom
- ☐ Teresa Smits
- ☒ Tom Smith

☐ Chat
 ☒ Files
 Quick Download (HTML)


To

**Tom Smith**

July 22, 2022


 Joe Smithson added Tom Smith to the chat.

22/7/2022 10:23:15 AM GMT+8  
hey man

 **Tom Smith** 22/7/2022 10:23:27 AM GMT+8 Edited  
yo joe

Files shared between them can also be downloaded and/or restored.

## Select Your Items To Be Restored

Choose from files as of job  22/07/2022  Latest   joe.smithson@lebshama.com






☒ OneDrive
 ☐ Teams Chat

☐ Joe Smithson
 

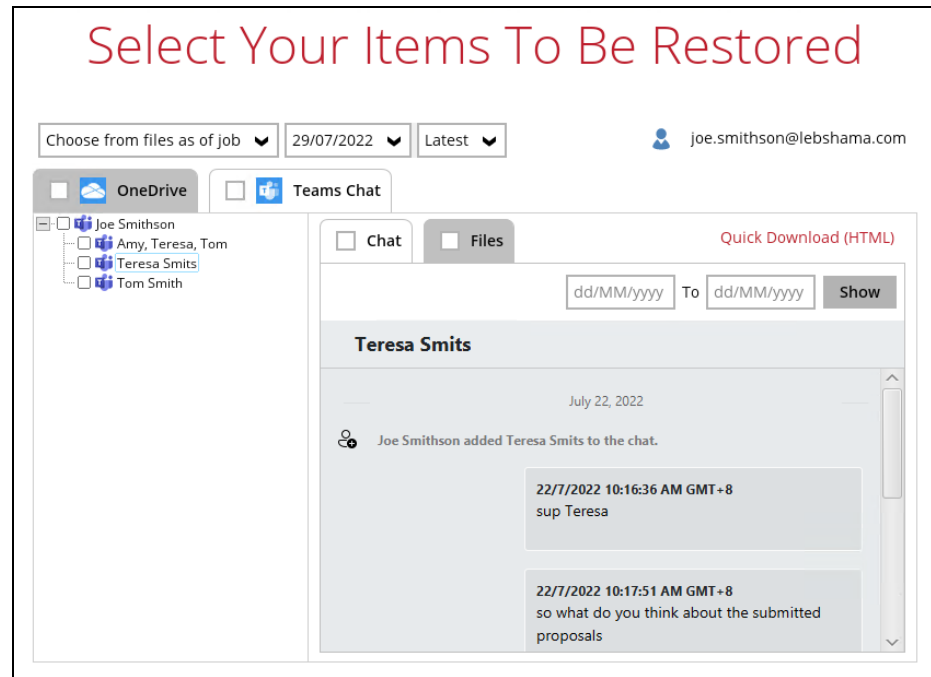
- ☐ Amy, Teresa, Tom
- ☐ Teresa Smits
- ☒ Tom Smith

☐ Chat
 ☒ Files
 Quick Download (HTML)

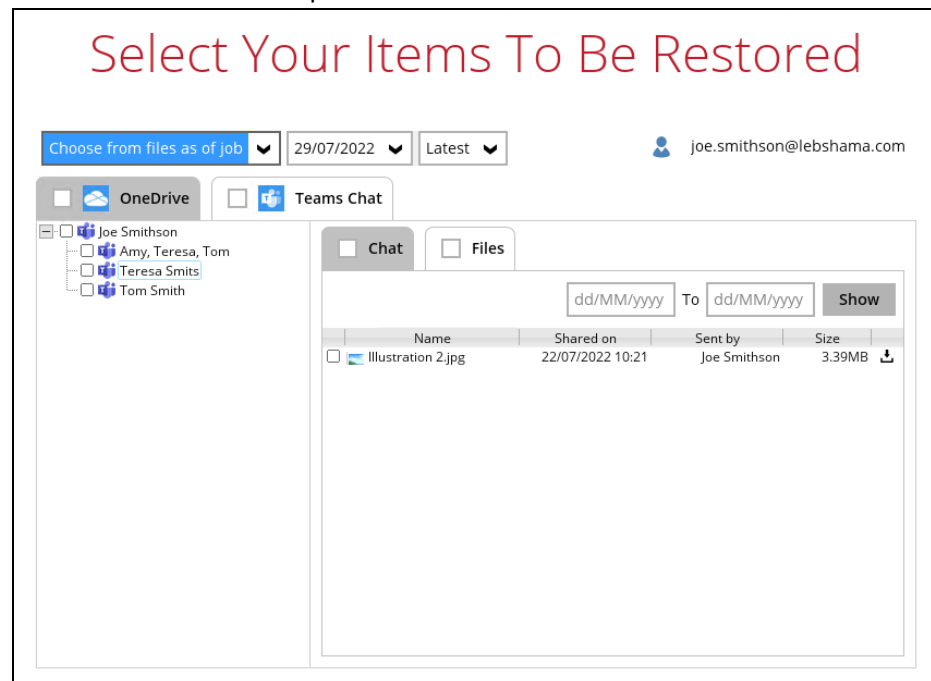
To

	Name	Shared on	Sent by	Size	
<input checked="" type="checkbox"/>	Images 5.jpg	22/07/2022 11:03	Tom Smith	2.49MB	
<input checked="" type="checkbox"/>	Images 4.jpg	22/07/2022 11:03	Tom Smith	5.43MB	
<input checked="" type="checkbox"/>	Images 2.jpg	22/07/2022 10:31	Joe Smithson	7.59MB	
<input checked="" type="checkbox"/>	Images 1.jpg	22/07/2022 10:31	Joe Smithson	4.12MB	
<input checked="" type="checkbox"/>	Images 3.jpg	22/07/2022 10:31	Joe Smithson	4.11MB	

But when you click on the conversation with Teresa, you will see the chat messages from Joe only. Please refer to the screenshot of the actual chat [above](#).



Only the file that Joe shared with Teresa will be available for download and/or restore. Files that were shared by Teresa will not be available since she was not selected in the Backup Source Selection.





### Example No. 3



You are required to backup Microsoft 365 user: Joe.

Selection:





- Backup Scope: Entire Organization

**Backup Scope**  
☒ Entire Organization  
☐ This Microsoft 365 user only

- Microsoft 365 user: Joe and Tom

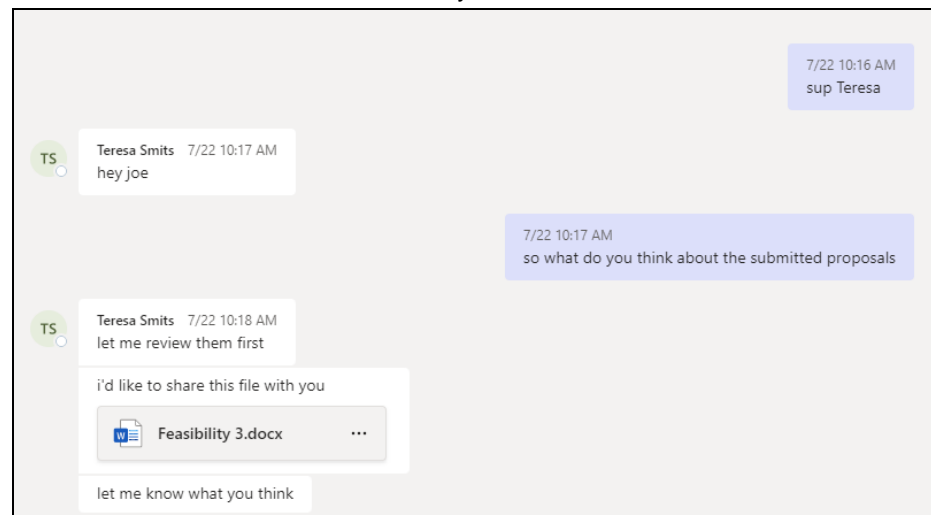
**Select Specific Source**  
☒ Sort by alphabetical order ☐ Sort by User Group  
  
**Uncheck All Current Items**  
☒  Joe Smithson (joe.smithson@lebshama.com)  
☒  Tom Smith (tom.smith@lebshama.com)

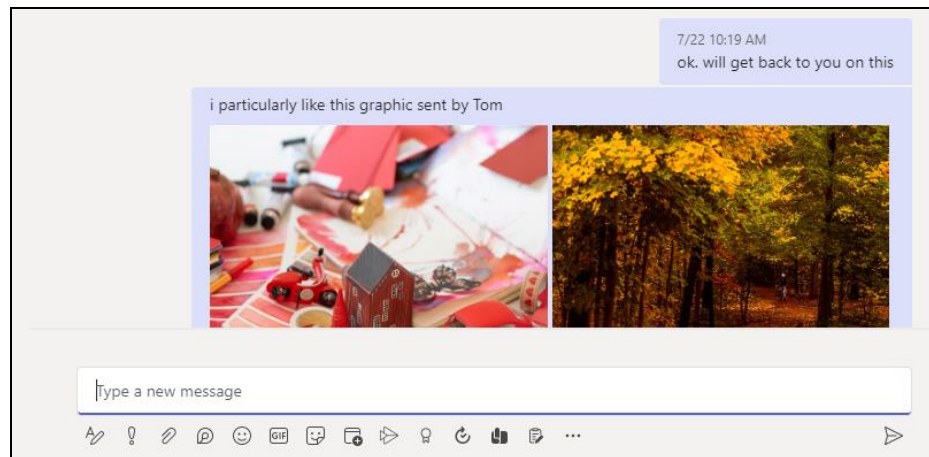
- Data type: Teams Chat

Select the data type that you want to backup which are owned by the selected user(s)  
☐  Outlook ☐  OneDrive ☐  Personal Site ☒  Teams Chat

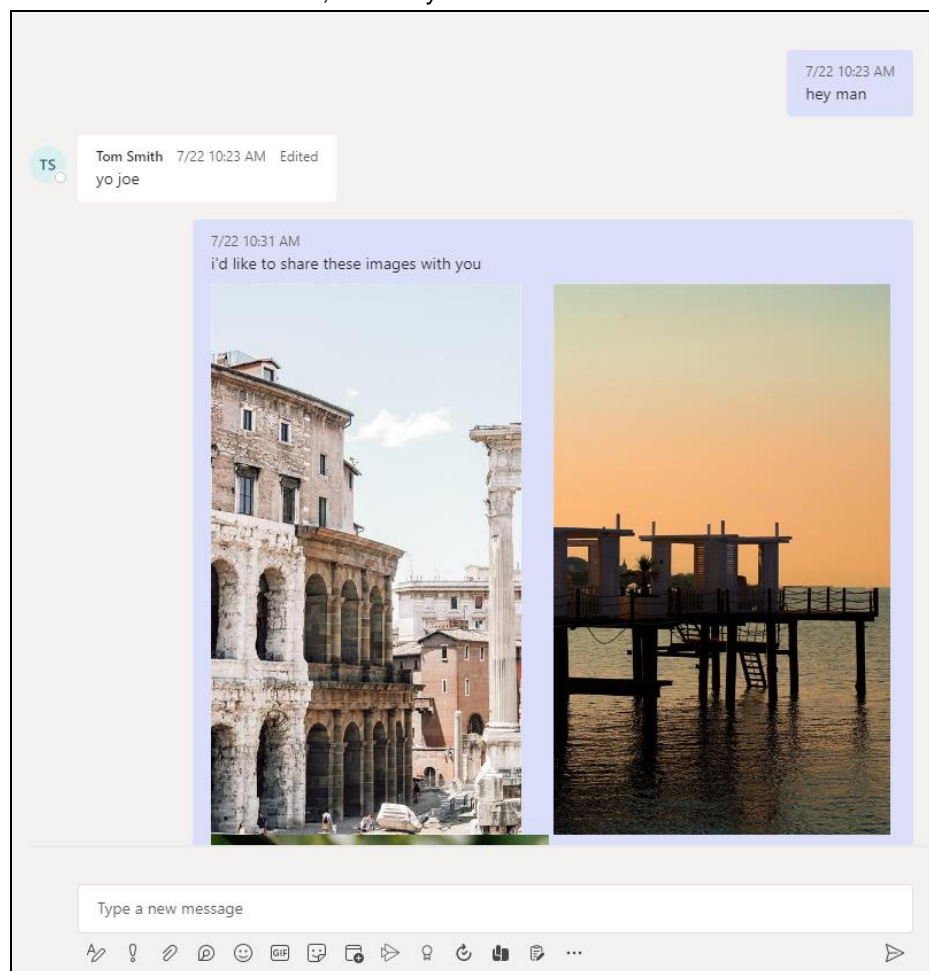
Scenario:

Joe has 1:1 chat with Teresa, and they shared files with each other.





Joe has 1:1 chat with Tom, and they shared files with each other.



If you create a Backup Set, and select only Joe and Tom, it will include Joe's chat message with Tom. It will not include Teresa's messages as Teresa is not selected. It will also not include any files attached as OneDrive is not selected.

There will be Warnings after backup that items were not backed up when not all the users involved in the conversation are selected for backup. This is a sample of the warning that can be viewed from the backup report “Messages from users *teresa.smits@lebshama.com* in Chat “Joe SmithsonTeresa Smits,” will skip to backup cause users are not selected”.

⚠	Messages for users "teresa.smits@lebshama.com" in Chat "Joe SmithsonTeresa Smits," will skip to backup cause u...	29/07/2022 08:10:35
ℹ	[Update Attribute]... 100% of "Office 365/Chats/19:3acba344-4934-473c-9e0d-8bf58f7d346c 85e51e41-6260-4834-...	29/07/2022 08:10:35
ℹ	[Messages for users "teresa.smits@lebshama.com" in Chat "Joe SmithsonTeresa Smits," will skip to backup cause users are not selected]	36

When you Restore from this Backup Set to choose from Joe's list of chats, and open the conversation between Joe and Tom, you can only restore messages.

## Select Your Items To Be Restored

Choose from files as of job ▼ 29/07/2022 ▼ Latest ▼ joe.smithson@lebshama.com

☐ Teams Chat

- ☐ Joe Smithson
  - ☐ Amy, Teresa, Tom
  - ☐ Teresa Smits
  - ☐ Tom Smith

☐ Chat ☐ Files Quick Download (HTML)

dd/MM/yyyy To dd/MM/yyyy Show

**Tom Smith**

22/7/2022 10:31:18 AM GMT+8  
i'd like to share these images with you

Images 3.jpg  
Images 1.jpg  
Images 2.jpg

22/7/2022 10:58:39 AM GMT+8 Deleted

TS Tom Smith 22/7/2022 11:00:44 AM

Files that they shared with each other will be listed under the Files tab, but you cannot download and/or restore them.

## Select Your Items To Be Restored

Choose from files as of job ▼ 29/07/2022 ▼ Latest ▼ joe.smithson@lebshama.com

☐ Teams Chat

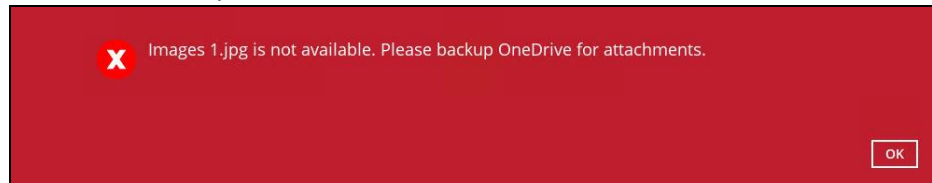
- ☐ Joe Smithson
  - ☐ Amy, Teresa, Tom
  - ☐ Teresa Smits
  - ☐ Tom Smith

☐ Chat ☐ Files

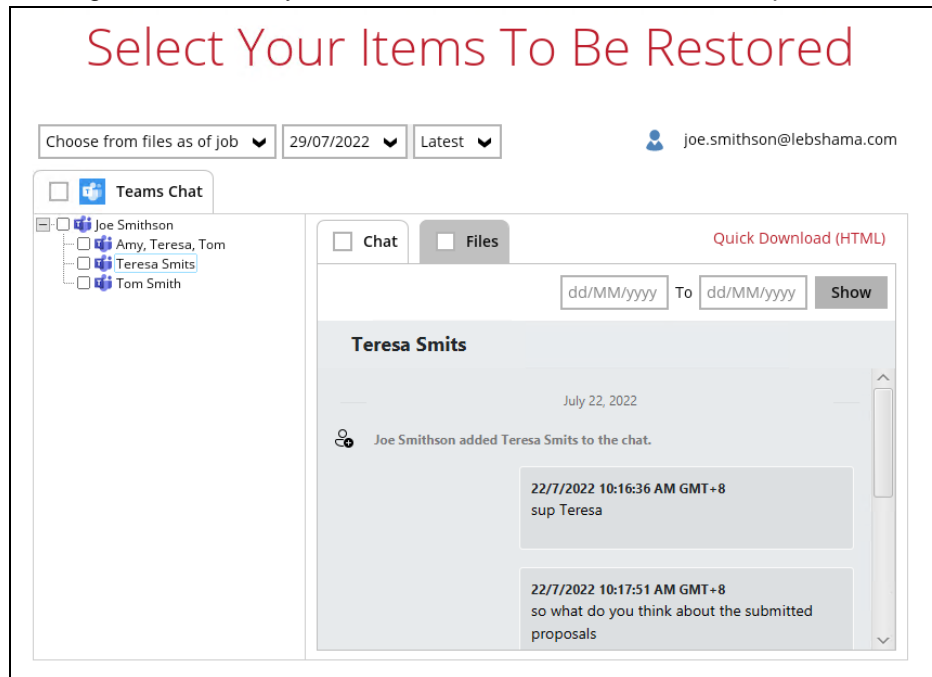
dd/MM/yyyy To dd/MM/yyyy Show

	Name	Shared on	Sent by	Size	
<input type="checkbox"/>	Images 5.jpg	22/07/2022 11:03	Tom Smith	2.49MB	📄
<input type="checkbox"/>	Images 4.jpg	22/07/2022 11:03	Tom Smith	5.43MB	📄
<input type="checkbox"/>	Images 2.jpg	22/07/2022 10:31	Joe Smithson	7.59MB	📄
<input type="checkbox"/>	Images 1.jpg	22/07/2022 10:31	Joe Smithson	4.12MB	📄
<input type="checkbox"/>	Images 3.jpg	22/07/2022 10:31	Joe Smithson	4.11MB	📄

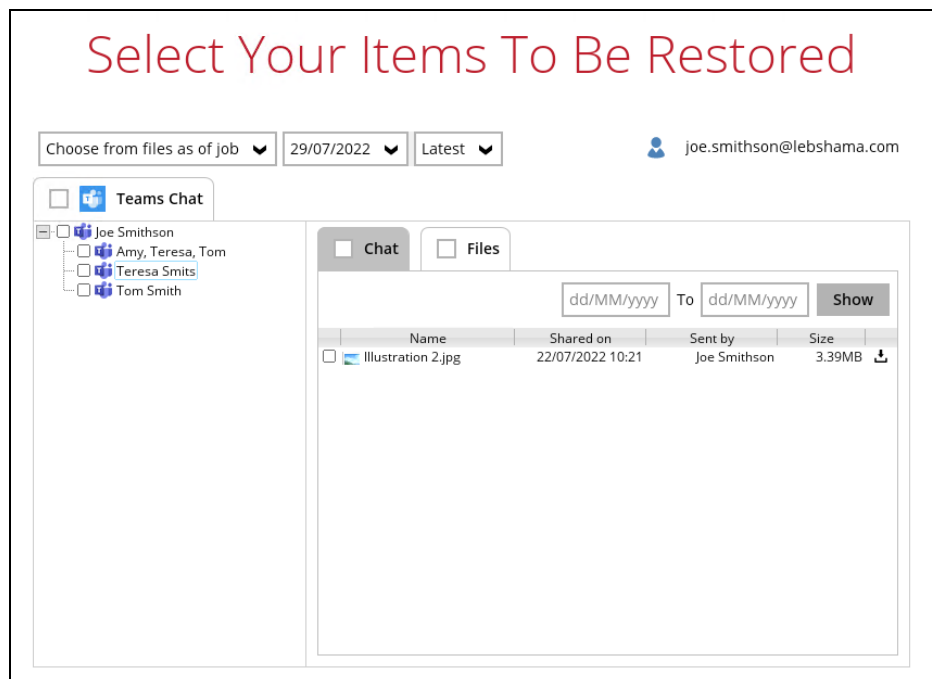
And when you click on the download button, this error message will appear because OneDrive is not a selected Data Type, which means the shared file was not backed up since file attachments are saved in OneDrive.



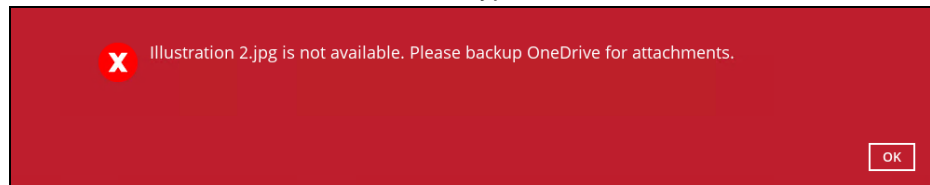
But when you click on the conversation with Teresa, you will see the chat messages from Joe only since Teresa is not selected as a backup source.



Only files shared by Joe will be listed under the Files tab, but it will not be available for download and/or restore.



This error message will be displayed when you click on the download button since OneDrive is not a selected Data Type.

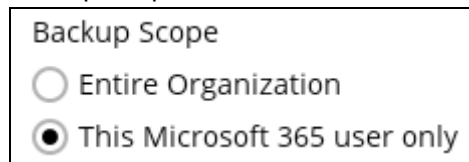


#### Example No. 4

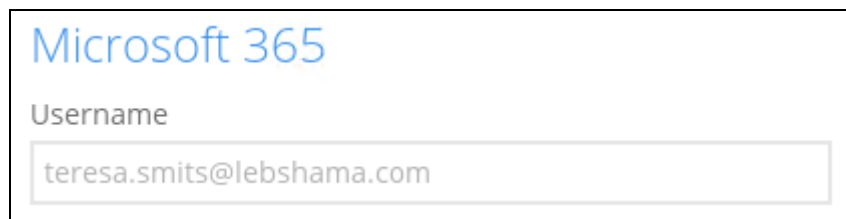
You are required to backup Microsoft 365 user: Teresa.

Selection:

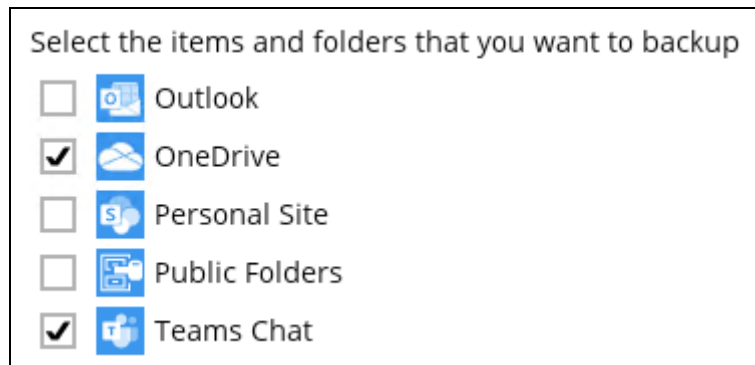
- Backup Scope: This Microsoft 365 user only

A dialog box titled "Backup Scope" with two radio button options: "Entire Organization" and "This Microsoft 365 user only". The "This Microsoft 365 user only" option is selected.

- Microsoft 365 user: Teresa

A dialog box titled "Microsoft 365" with a "Username" label and a text input field containing "teresa.smits@lebshama.com".

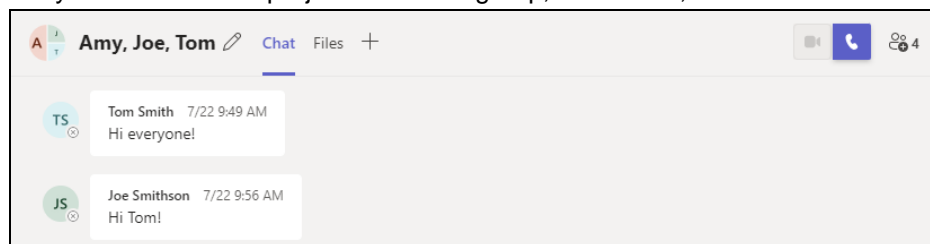
- Data type: Teams Chat (assuming no Outlook or Personal Site) and OneDrive

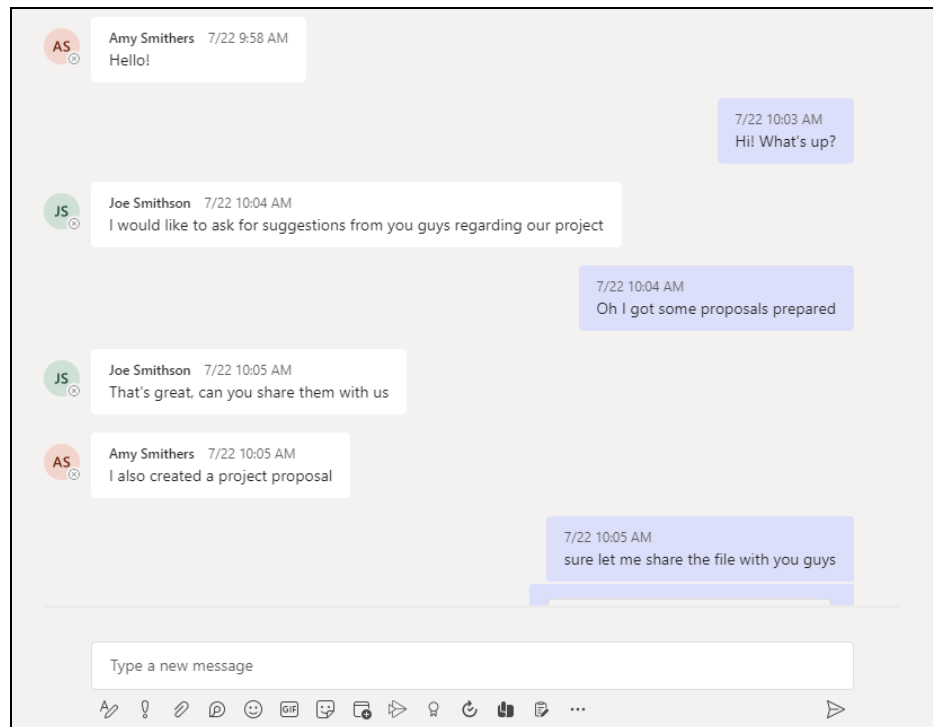
A dialog box titled "Select the items and folders that you want to backup" with a list of items and checkboxes: Outlook (unchecked), OneDrive (checked), Personal Site (unchecked), Public Folders (unchecked), and Teams Chat (checked).

Scenario:

Teresa is in a group Teams Chat which includes Amy, Joe and Tom.

They chat about their project within the group, share files, etc.

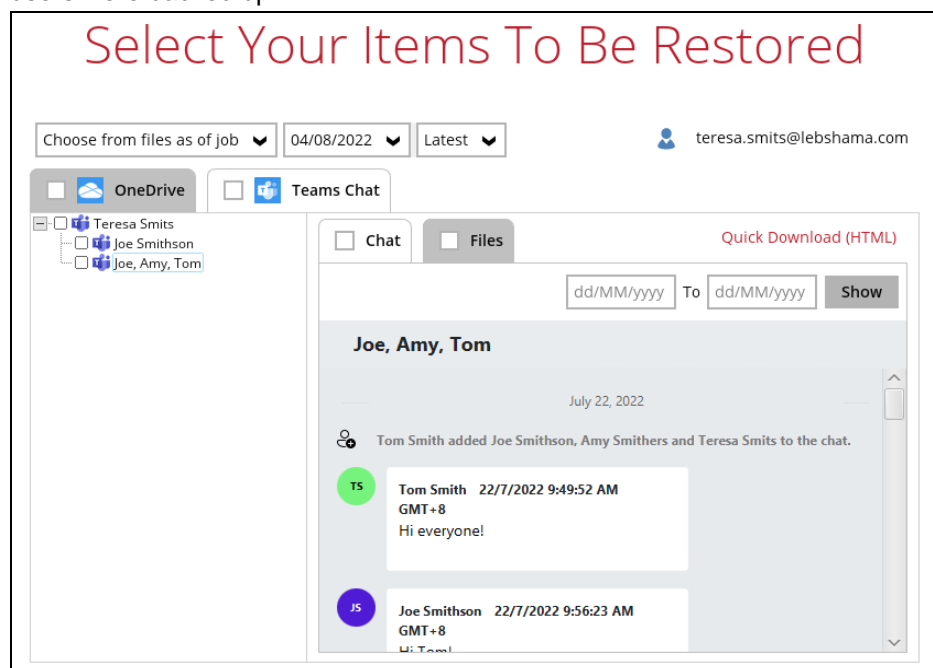




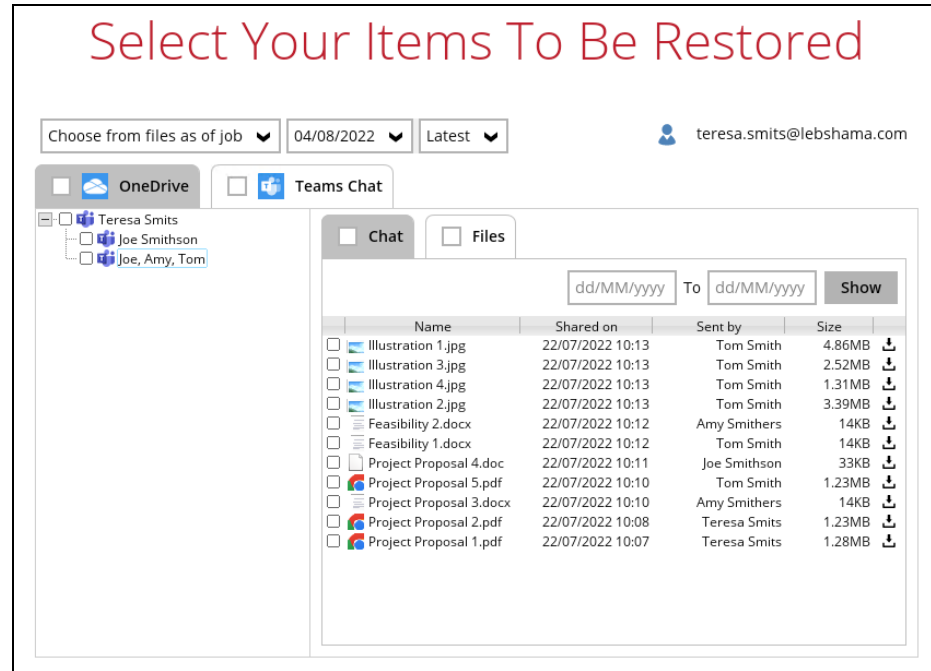
If you create a Backup Set, it will include all messages sent by Teresa as well as messages from the other users for the 1:1 group chat where Teresa is included.

It will only include files that Teresa had attached. It will not backup file attachments from the other three participants.

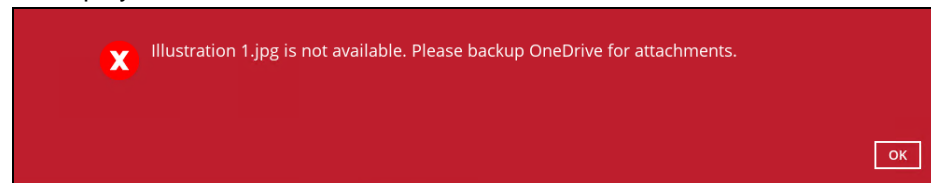
When you Restore from this Backup Set to choose this group Teams Chat you will see all the messages in the chat. Please refer to the screenshot of the actual conversation above, as you can see all the messages from all the users were backed up.



You will only be able to download and/or restore files shared by Teresa. In the screenshot below, all the files shared in the chat will be listed.



But you will not be able to download and/or restore the files shared by the other users. When you click on the download button, the message below will be displayed.



### Example No. 5

You are required to backup Microsoft 365 user: Joe.

Selection:

- Backup Scope: This Microsoft 365 user only

Backup Scope

☐ Entire Organization

☒ This Microsoft 365 user only

- Microsoft 365 user: Joe

Microsoft 365






Username

joe.smithson@lebsham.com



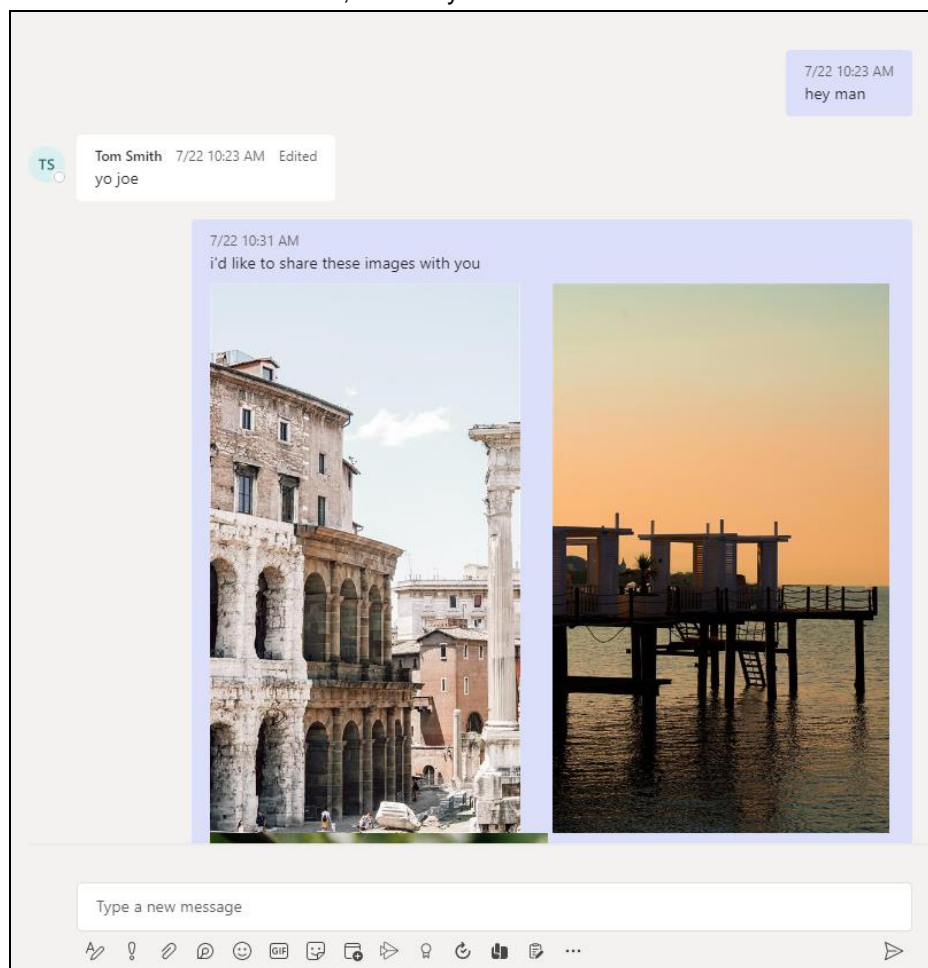
- Data type: Teams Chat

Select the items and folders that you want to backup

<input type="checkbox"/>		Outlook
<input type="checkbox"/>		OneDrive
<input type="checkbox"/>		Personal Site
<input type="checkbox"/>		Public Folders
<input checked="" type="checkbox"/>		Teams Chat

Scenario:

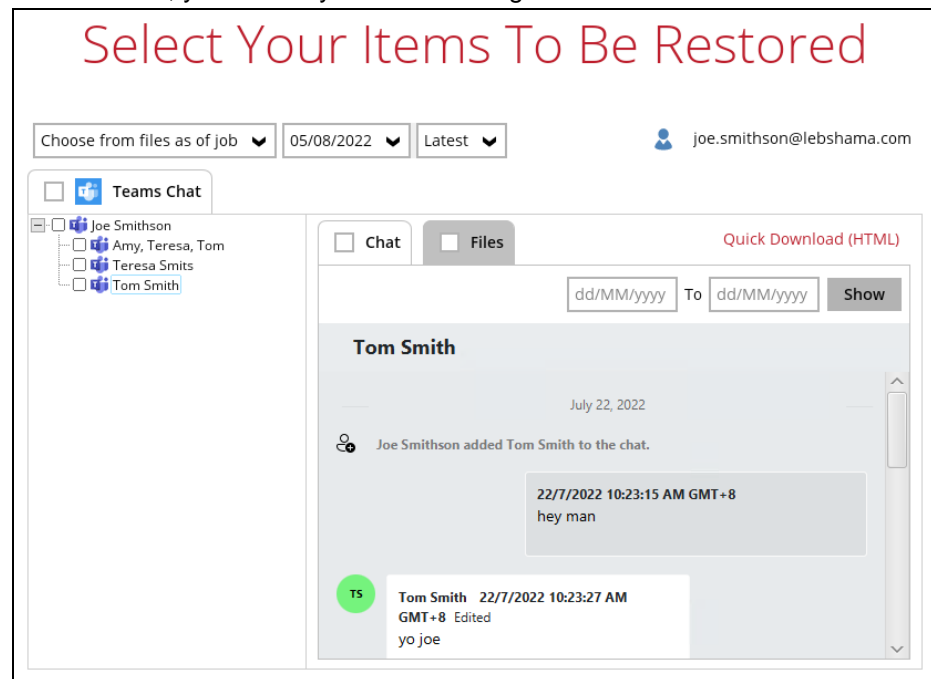
Joe has a 1:1 chat with Tom, and they shared files with each other.



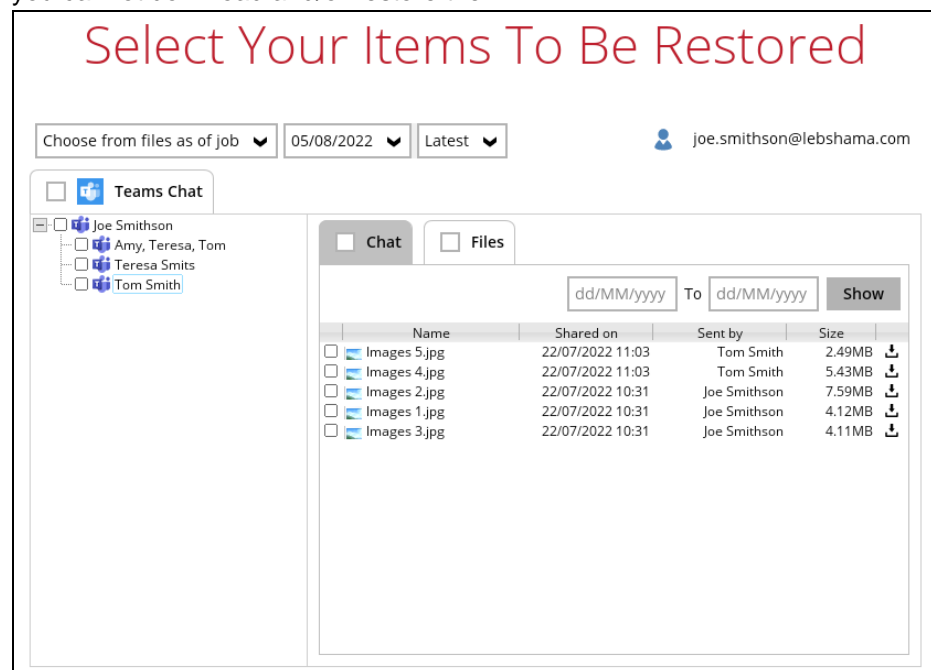
If you create a Backup Set, it will include Joe's chat message with Tom. But it will not include any files attached as OneDrive is not selected.



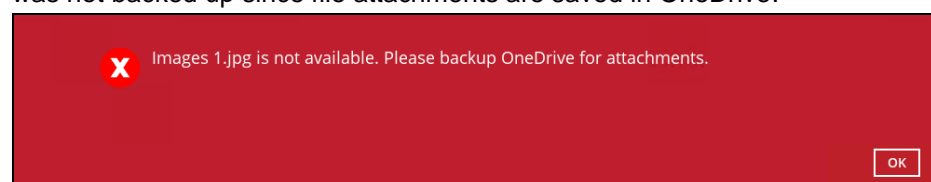
When you Restore from this Backup Set and open the conversation between Joe and Tom, you can only restore messages.



Files that they shared with each other will be listed under the Files tab, but you cannot download and/or restore them.



And when you click on the download button, this error message will appear because OneDrive is not a selected Data Type, which means the shared file was not backed up since file attachments are saved in OneDrive.



## ▶ Outlook

- ◉ **Online Archive Mailbox** will NOT be supported for backup and restore.
- ◉ For Outlook mail item, after using restore to original location to overwrite a mail item (the restored mail item is assigned a new mail ID), then

In the backup source tree of the same backup set:

- ◉ the original ticked item still uses the old mail ID to reference and becomes red item.
- ◉ there is another item (with the new mail ID) created for that mail item

To avoid future backup error/warning, the user will need to deselect the red item and tick the mail item again (new mail ID) in the backup source tree. This re-selection of backup source is not automatically done after you restore under *overwrite to original location* scenario.

## ▶ Restore filter feature

Restore filter using AhsayCBS User Web Console is not yet supported.

## ▶ Restore to Local machine

Restore to Local Machine is not supported using AhsayCBS User Web Console. It is only available using AhsayOBM and AhsayACB.

## ▶ Restore to Alternate location

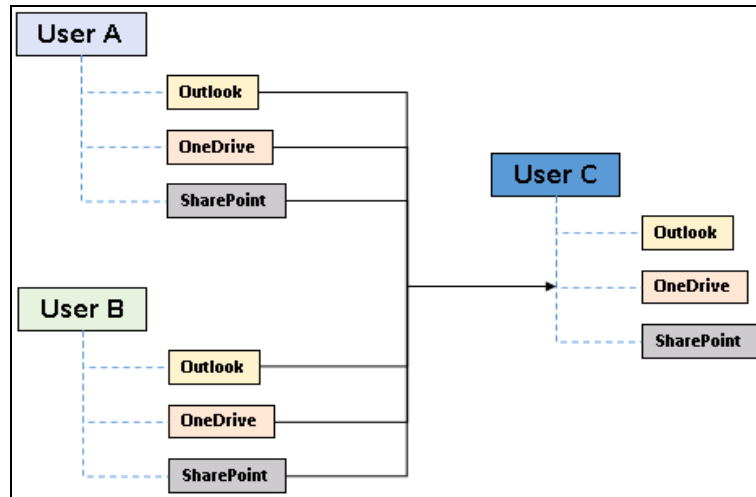
- ◉ Only administrator account or user account with administrative authority can restore backup items to an alternate location.
- ◉ If you are trying to restore item(s) from one user to an alternate location user, AhsayOBM will restore the item(s) to their respective destination folder(s) with the same name as the original folder(s).

**Example:** Item from Outlook of User-A will be restored to the Outlook of the alternate location User-B; Item from SharePoint of User-A will be restored to the SharePoint of the alternate location User-B.

- ◉ Restore of item(s) in public folder to an alternate location public folder is not supported.

**Example:** Restore of item(s) in public folder from User-A to alternate location User-B is not supported.

- ◉ When restoring to alternate location, data type “Person or Group” will not be restored. Following restore, it is suggested revisiting the relevant settings if necessary. This also affects “Assigned To” column values of some list templates (e.g. Tasks list), and “Target Audience” column values of some list templates (e.g. Content and Structure Reports).
- ◉ If you are trying to restore item(s) from several users to an alternate location user, AhsayOBM will restore the item(s) to their respective destination folder(s) in alternate location user with the same name as the original folder(s).



**Example:** Item from Outlook of User-A and User-B will be restored to the Outlook of the alternate location User-C.

#### • Restore to Alternate Microsoft 365 account

- If you are trying to restore item(s) from multiple Microsoft 365 user account to an alternate Microsoft 365 user account, AhsayOBM can only restore one Microsoft 365 user account at a time.

#### • Restore to Alternate Organization

- Restoring of document library (including OneDrive) items 'Share Link' to alternate organization will trigger a warning message.
- Skip to restore **People and groups** and **Site permissions** to alternate origination.

#### • Restore data to a destination user which has a different language

If you are trying to restore the item to a destination user which has a different language setting than the original user, AhsayOBM will restore item(s) to their respective destination folder based on the translation listed below.

For folders such as 'Calendar' or 'Notes', a new folder 'Calendar' or 'Notes' will be created.

For folders in OneDrive and SharePoint, a new folder will be created.

Backup source (English)	Action	Destination User with Chinese as default language settings
Inbox	Merge	收件箱
Outbox	Merge	寄件匣
Sent Items	Merge	寄件備份
Deleted Items	Merge	刪除的郵件
Drafts	Merge	草稿
Junk E-Mail	Merge	垃圾電郵
Calendar	Create new folder	Calendar
Notes	Create new folder	Notes
OneDrive Folder	Create new folder	OneDrive Folder
SharePoint Folder	Create new folder	SharePoint Folder

### • **Restore existing documents in checked-out status**

Restoring of existing documents in **checked out** status is supported only when the user who has **checked out** the file is the same user who is performing the restore.

### • **Command Line Tool**

An agent-based backup has a command line tool feature that allows user to configure a pre and/or post-backup command which can be an operating system level command, script or batch file, or third-party utilities that will run before and/or after a backup job.

In the AhsayCBS Run on Server (Agentless) backup, this feature is not supported.

## **Microsoft Limitations**

### • **Exchange Online**

For more detailed information on the limitations of Exchange Online, please refer to this Microsoft article, [Exchange Online Limits](#). These are some of the limitations that will be discussed in the Exchange Online Limits article:

- Address book
- Mailbox storage
- Capacity alerts
- Mailbox folder
- Message
- Receiving and sending
- Retention
- Distribution group
- Journal, Transport, and Inbox rule
- Moderation
- Exchange ActiveSync

### • **OneDrive**

For more detailed information on the limitations of OneDrive, please refer to this Microsoft article, [OneDrive Limits](#). These are some of the limitations that will be discussed in the OneDrive Limits article:

- File name and path lengths
- Thumbnails and previews
- Number of items to be synced
- Information rights management
- Differential sync
- Libraries with specific columns
- Windows specific limitations

## ▶ SharePoint

For more detailed information on the limitations of SharePoint Online, please refer to this Microsoft article, [SharePoint Online Limits](#). These are some of the limitations that will be discussed in the SharePoint Online article:

### ◉ Limits by plan

Feature	Office 365 Business Essentials or Business Premium	Office 365 Enterprise E1, E3, or E5, or SharePoint Online Plan 1 or 2	Office 365 Enterprise F1
Total storage per organization <sup>1, 2</sup>	1 TB plus 10 GB per license purchased	1 TB plus 10 GB per license purchased <sup>3</sup>	1 TB <sup>3</sup>
Max storage per site collection <sup>4</sup>	25 TB	25 TB	25 TB <sup>5</sup>
Site collections per organization	1 million <sup>6</sup>	1 million <sup>6</sup>	1 million
Number of users	Up to 300	1- 500,000 <sup>7</sup>	1- 500,000 <sup>7</sup>

- ◉ Service limits for all plans, such as: items in lists and libraries, file size and file path length, moving and copying across site collections, sync, versions, SharePoint groups, managed metadata, subsites, etc.

## 2.15.2 AhsayACB

### Ahsay Limitations

#### • Supports Backup up to 2 Microsoft 365 User Accounts

Each AhsayACB Microsoft 365 backup set is limited to one Microsoft 365 user account. Therefore, when you backup two Microsoft 365 user accounts it will require two separate backup sets.

Supported backup set configurations:

Example 1 shows one backup set with one (1) Microsoft 365 user account.

Example 2 shows two (2) separate backup sets, each with one (1) Microsoft 365 user account.

#	Backup Set	Microsoft 365 User Account
1	Sample Backup Set 01	user01@company-Microsoft365.com
2	Sample Backup Set 01	user01@company-Microsoft365.com
	Sample Backup Set 02	user02@company-Microsoft365.com

Consider using AhsayOBM instead if you wish to back up two or more Microsoft 365 user accounts per backup set.

Contact your backup service provider for more details and refer to [AhsayOBM v9 User Guide - Microsoft 365 Backup & Restore for Windows](#).

#### • Modern Authentication

- Modern Authentication is only supported for Microsoft 365 account that is registered in Global region and the Microsoft 365 backup is configured to use Global region.
- Migration to Modern Authentication is not supported on a Microsoft 365 account without a Global Admin role; or during the migration process, the Microsoft 365 account used to authenticate the migration does not have Global Admin role.
- Due to limitations in Microsoft API, when using Modern Authentication, backup and restore of SharePoint Web Parts and Metadata are not fully supported.
- Backup sets using Modern Authentication do not support backup of external content types (through the linkage from selected lists).
- Backup sets using Modern Authentication do not support backup and restore of the following:
  - Some list settings, currently known as Survey Options on survey list.
  - Feature setting for Personal Site.

## • OneDrive

- Backup and restore of file share links will be supported for OneDrive and SharePoint Documents only, and only for restore to the same Microsoft 365 organization.
- Backup and restore of all versions will be supported for **OneDrive and SharePoint Documents** only, except for ".aspx" files.

## • Outlook

- For Outlook mail item, after using restore to original location to overwrite a mail item (the restored mail item is assigned a new mail ID), then

In the backup source tree of the same backup set:

- the original ticked item still uses the old mail ID to reference and becomes red item.
- there is another item (with the new mail ID) created for that mail item.

To avoid future backup error/warning, the user will need to deselect the red item and tick the mail item again (new mail ID) in the backup source tree. This re-selection of backup source is not automatically done after you restore under *overwrite to original location* scenario.

## • Teams

- Backup of external chat/message, attachment to system message backup (e.g. meeting recording) and backup tabs, pins for chat/channel are not supported.
- Restore of chat/channel to original thread is not supported. Restore only as data export in HTML format, stored to local or OneDrive.
- Backup and restore of channels is not supported. Also, OneDrive as a restore location is not supported, archive files can only be restored to the local machine.
- Refer to the table below for the limitations regarding Teams Chat backup.

Teams Chat only without OneDrive	Teams Chat with OneDrive
Chat rooms of the login user will be backed up, including messages from other users and from the login user. If the messages contain attachments (Files), the Files will not be backed up since they are located in OneDrive which was not selected.	Chat rooms of the login user will be backed up, including messages from other users and from the login user. If the messages contain attachments (Files), only the Files of the login user will be backed up, it will not include the files shared by other users since the other users were not selected for backup.

Here are some sample scenarios:

### Example No. 1

---

You are required to backup Microsoft 365 user: Tom

Selection:

- Microsoft 365 user: Tom

Microsoft 365

Username

tom.smith@lebshama.com

- Data type: Teams Chat (assuming no Outlook or Personal Site data) and OneDrive

Select the items and folders that you want to backup

☐ Outlook

☒ OneDrive

☐ Personal Site

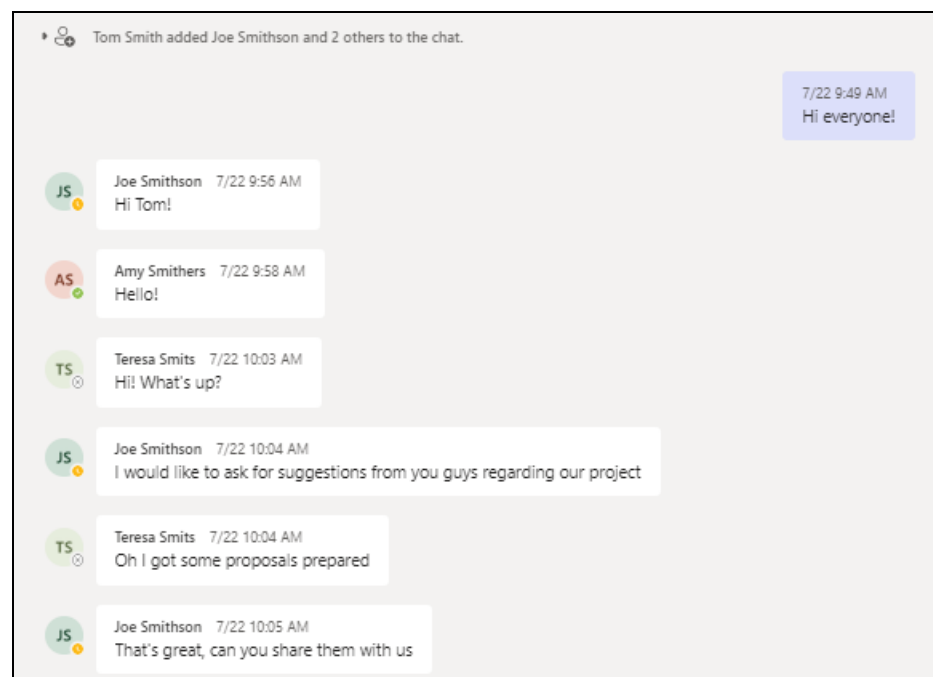
☐ Public Folders

☒ Teams Chat

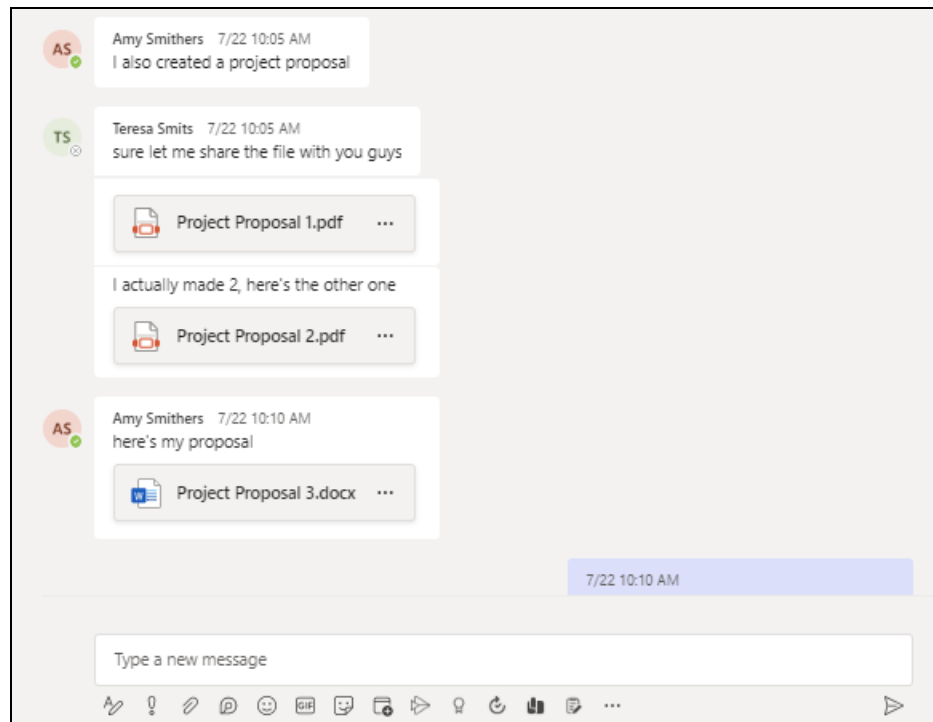
Scenario:

Tom is in a group Teams Chat which includes Amy, Joe and Teresa.

They chat about their project within the group, share files, etc.



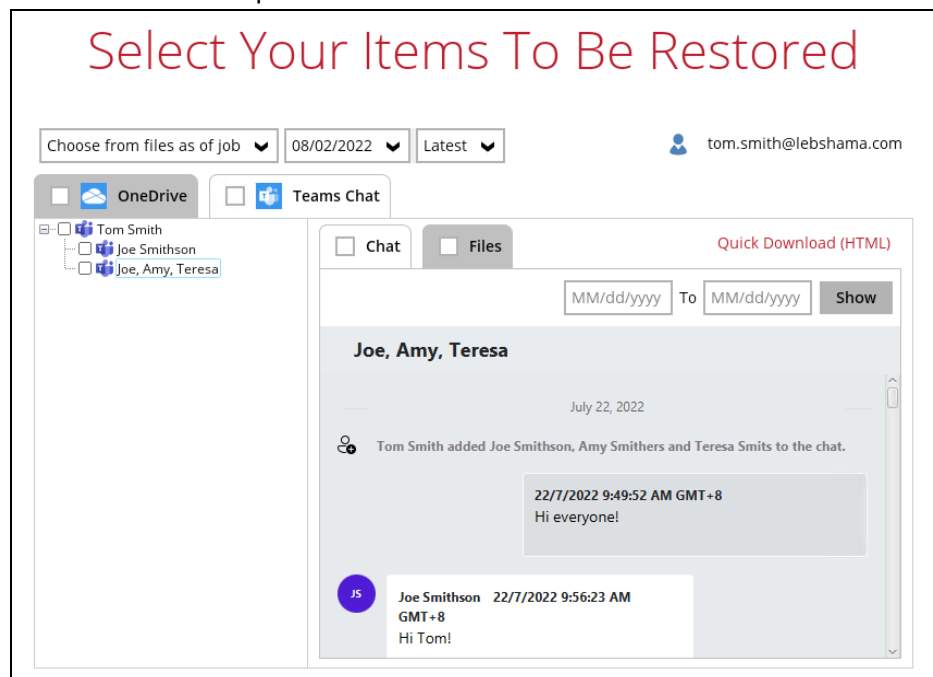




If you create a Backup Set, it will include all messages sent by Tom as well as messages from the other users for the 1:1 group chat where Tom is included.


It will only include files that Tom had attached. It will not backup file attachments from the other three participants.

When you Restore from this Backup Set to choose this group Teams Chat you will see all the messages in the chat. Please refer to the screenshot of the actual conversation above, as you can see all the messages from all the users were backed up.



You will only be able to download and/or restore files shared by Tom. In the screenshot below, all the files shared in the chat will be listed.

## Select Your Items To Be Restored
























Choose from files as of job  08/02/2022  Latest   tom.smith@lebshama.com

☐ OneDrive ☐ Teams Chat


☐ Tom Smith  
☐ Joe Smithson  
☐ Joe, Amy, Teresa

☐ Chat ☐ Files

MM/dd/yyyy To MM/dd/yyyy

<input type="checkbox"/>	Name	Shared on	Sent by	Size	
<input type="checkbox"/>	 Illustration 1.jpg	07/22/2022 10:13	Tom Smith	4.86MB	
<input type="checkbox"/>	 Illustration 3.jpg	07/22/2022 10:13	Tom Smith	2.52MB	
<input type="checkbox"/>	 Illustration 4.jpg	07/22/2022 10:13	Tom Smith	1.31MB	
<input type="checkbox"/>	 Illustration 2.jpg	07/22/2022 10:13	Tom Smith	3.39MB	
<input type="checkbox"/>	 Feasibility 2.docx	07/22/2022 10:12	Amy Smithers	14KB	
<input type="checkbox"/>	 Feasibility 1.docx	07/22/2022 10:12	Tom Smith	14KB	
<input type="checkbox"/>	 Project Proposal 4.doc	07/22/2022 10:11	Joe Smithson	33KB	
<input type="checkbox"/>	 Project Proposal 5.pdf	07/22/2022 10:10	Tom Smith	1.23MB	
<input type="checkbox"/>	 Project Proposal 3.docx	07/22/2022 10:10	Amy Smithers	14KB	
<input type="checkbox"/>	 Project Proposal 2.pdf	07/22/2022 10:08	Teresa Smits	1.23MB	
<input type="checkbox"/>	 Project Proposal 1.pdf	07/22/2022 10:07	Teresa Smits	1.28MB	

But you will not be able to download and/or restore the files shared by the other users. When you click on the download button, the message below will be displayed.

 Project Proposal 1.pdf is not available. Please backup OneDrive for attachments.

## Example No. 2

You are required to backup Microsoft 365 user: Joe

Selection:

- Microsoft 365 user: Joe

Microsoft 365

Username

joe.smithson@lebshama.com

- Data type: Teams Chat

Select the items and folders that you want to backup

☐ Outlook

☐ OneDrive

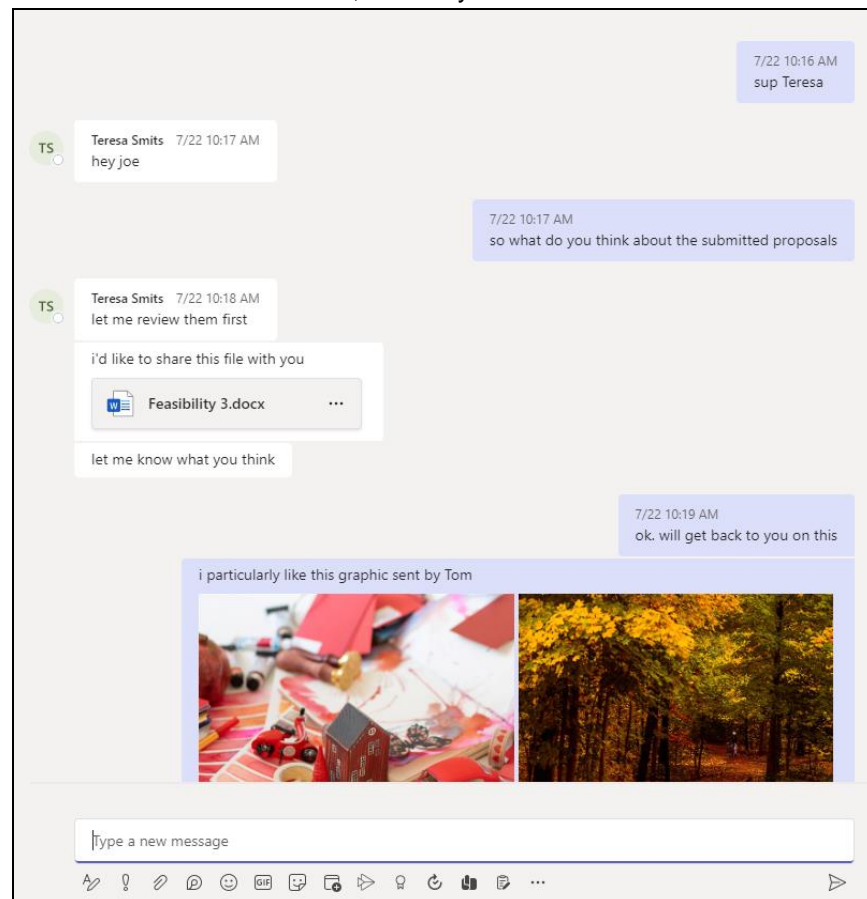
☐ Personal Site

☐ Public Folders

☒ Teams Chat

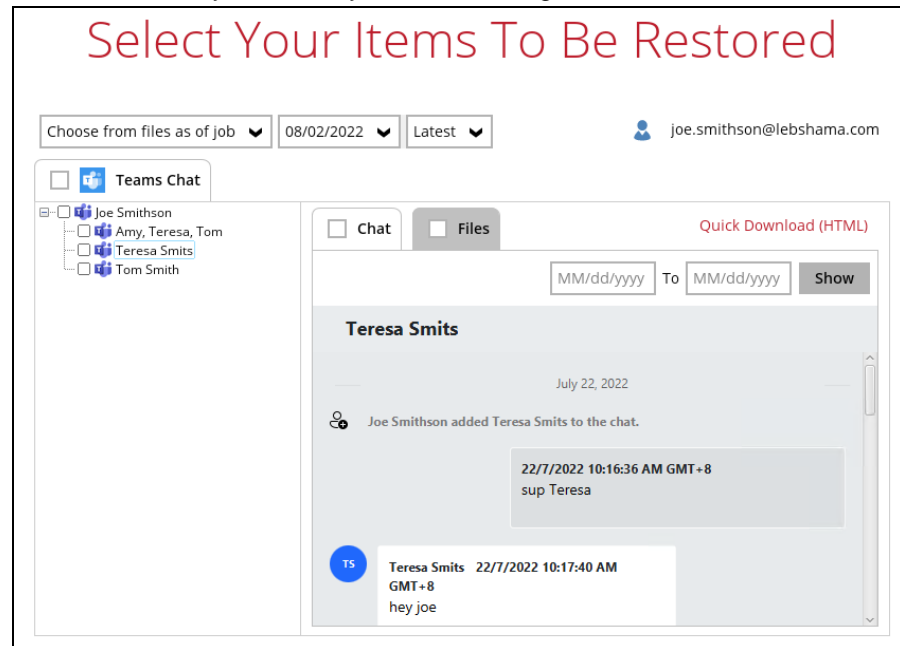
Scenario:

Joe has 1:1 chat with Teresa, and they shared files with each other.

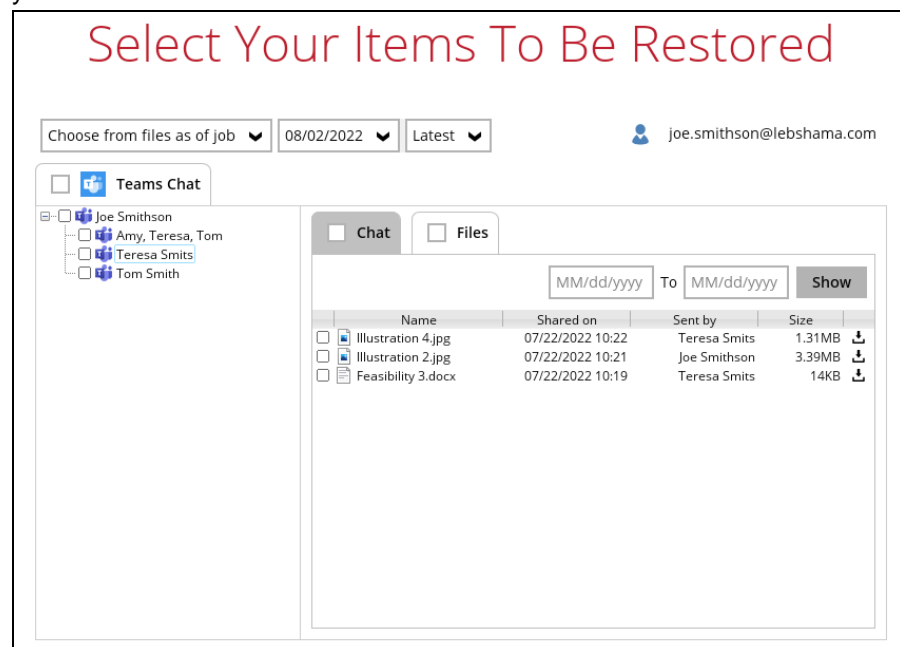


If you create a Backup Set, it will include Joe's chat message with Teresa. But it will not include any files attached as OneDrive is not selected.

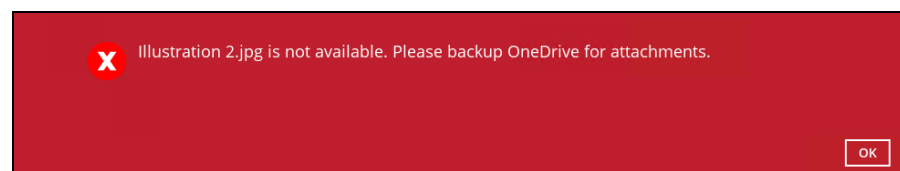
When you Restore from this Backup Set and open the conversation between Joe and Teresa, you can only restore messages.



Files that they shared with each other will be listed under the Files tab, but you cannot download and/or restore them.



And when you click on the download button, this error message will appear because OneDrive is not a selected Data Type, which means the shared file was not backed up since file attachments are saved in OneDrive.



## **Microsoft Limitations**

### **▶ OneDrive**

For more detailed information on the limitations of OneDrive, please refer to this Microsoft article, [OneDrive Limits](#). These are some of the limitations that will be discussed in the OneDrive Limits article:

- ◉ File upload size which is 15GB for OneDrive
- ◉ File name and path lengths
- ◉ Thumbnails and previews
- ◉ Number of items to be synced
- ◉ Information rights management
- ◉ Differential sync
- ◉ Libraries with specific columns
- ◉ Windows specific limitations

### 2.15.3 AhsayCBS Run on Server (Agentless)

#### • **Standard and Local Destination Settings**

For the backup destination settings, only the AhsayCBS or predefined destination is supported in the AhsayCBS Run on Server (Agentless) backup.

It is not possible to assign other standard destinations such as the customers personal Google Drive, OneDrive, DropBox, Amazon S3, Azure, and other storage accounts as the backup destination for a Run-on Server backup set.

#### • **Reminder**

The reminder feature is not supported in the AhsayCBS User Web Console. Unlike with the agent-based backup, when this feature is enabled, a backup confirmation dialog box will prompt the user to run a backup job during machine log off, restart, or shut down when AhsayOBM/AhsayACB is installed on a Windows platform.

#### • **IP Allowed for Restore**

This setting permits to predefine IP ranges that are allowed to perform restore as configured by the system administrator. This feature is only applicable in a Run on Client Microsoft 365 restore operation and is not supported in a Run on Server Microsoft 365 restore.

#### • **Space Freeing up**

Space freeing up feature is used to remove obsolete file(s) from your backup set and destination. This feature is only applicable in a Run on Client Microsoft 365 Backup Set and is not supported in a Run on Server Microsoft 365 Backup.

#### • **Decrypt Backup Data**

Decrypt backup data feature is used to restore raw data by using the data encryption key that was set for the backup set. This feature is only applicable in a Run on Client Microsoft 365 Backup Set and is not supported in a Run on Server Microsoft 365 Backup.

#### • **System Logs**

AhsayOBM/AhsayACB backup user account does not have access to the system logs related to the Data Integrity Check operation through the AhsayCBS user console.

Therefore, the backup user does not have the ability to verify the results of these operations without the assistance of the backup service provider.

## 2.16 Best Practices and Recommendations

The following are some best practices or recommendations we strongly recommend you follow before you start any Microsoft 365 backup and restore on Run on Server (Agentless).

### • Performance Recommendations

Consider the following best practices for optimized performance of the agentless backup and restore operations:

Perform test restores periodically to ensure your backup is set up and performed 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. There might be flaws identified in the plan throughout the test and it is important to identify those flaws.

### • Concurrent Backup Thread

The value of 4 concurrent backup threads is found to be the optimal setting for Microsoft 365 backups to ensure best backup performance, minimal resource usage, and lowest probability of throttling of Ahsay backup requests by Microsoft 365.

### • Recommended Number of Microsoft 365 users on a Backup Set

To ensure that your Microsoft 365 Run on Server backup set completes the backup job within 24 hours, it is recommended that a single Microsoft 365 Run On Server backup set should not contain more than 2,000 users. That is assuming that only small incremental daily changes will be made on the Run-on Server backup set.

### • Authentication

Since Modern Authentication is already available, it is recommended that backup sets are migrated to Modern Authentication. All newly created Microsoft 365 backup sets on AhsayCBS automatically use Modern Authentication.

### • Large number of Microsoft 365 users to Backup

It is recommended to divide the users into multiple backup sets. A single Microsoft 365 backup set should not contain more than 2,000 Microsoft 365 users. That is assuming that only small incremental daily changes will be made on the Run-on Client backup set.

By splitting up all the users into separate backup sets, the more backup sets, the faster the backup process can finish.

It is also a requirement that for every split backup set should have its own unique user account for authentication to minimize the probability of throttling from Microsoft.

**Example:** If there are 10 split backup sets, then there should be 10 unique user accounts for authentication.

For more detailed example, refer to [Appendix B: Example for backup of large numbers of Microsoft 365 users](#).

## • 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 production server, e.g., 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.

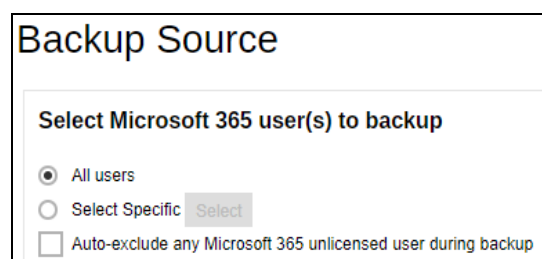
- Hardware – to achieve optimal performance, compatible hardware requirements is a must. Ensure you have the backup machine's appropriate hardware specifications to accommodate frequency of backups,
  - so that the data is always backed up within the periodic backup interval
  - so that the backup frequency does not affect the performance of the production server
- Network – make sure to have enough network bandwidth to accommodate the volume of data within the backup interval.
- 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.

## • Backup Source for AhsayOBM

For Microsoft 365 backup sets there are two approaches for backup source selection. Below are the sample screenshots of the selection All Microsoft 365 users and Selective Microsoft 365 user.

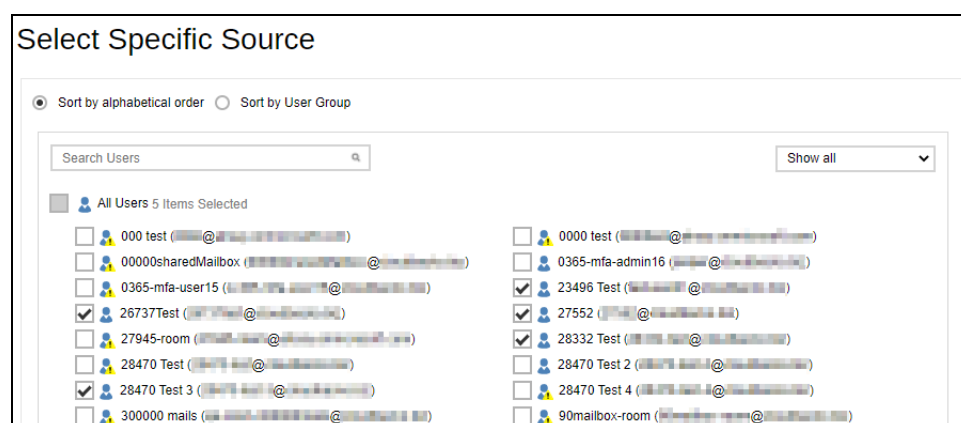
### • All Microsoft 365 users

If you select “Backup all Users”, all of the Microsoft 365 user accounts will automatically be selected.



### • Selective Microsoft 365 user

If you select “Select Specific”, you can select the users that you want to backup.





These are the Pros and Cons when selecting a backup source from all Microsoft 365 users and selective Microsoft 365 user.

	All Microsoft 365 users	Selective Microsoft 365 user
<b>Backup Set Maintenance</b>	<p>The Admin does not need to manage the backup set, e.g. to select or unselect user when a Microsoft 365 user account is added or removed, the changes are automatically updated in the backup source.</p>	<p>The Admin will have to select or unselect users manually when a Microsoft 365 user account is added or removed, as the changes are not automatically updated in the backup source this can be very time consuming.</p> <p>If a Microsoft 365 user account is removed from the domain and the admin forgets to unselect the Microsoft 365 user account from the backup source, then this will cause a warning that the user does not exist.</p> <p>For more details on the backup set maintenance, please see, <a href="#">Appendix D: Example Scenario for Backup Set Maintenance</a></p>
<b>Microsoft 365 License</b>	<p>The backup user account must have additional Microsoft 365 license modules assigned to cover any increase in Microsoft 365 users. Otherwise, if additional users are added without sufficient modules, then this will cause backup quota exceeded warning and additional users will not be backed up.</p> <p>For more details on the computation on the required license, please see, <a href="#">Appendix A: Example Scenarios for Microsoft 365 License Requirement and Usage</a></p>	<p>This will allow the admin to easily control or manage the number of license modules used for the backup set.</p>

<b>Backup Time</b>	All Microsoft 365 user accounts will be backed up. This means the initial full backup job will take longer, any subsequent incremental backup will take longer.	Only selective Microsoft 365 user accounts will be backed up. This will mean the initial full backup job will be faster, any subsequent incremental backup will be faster.
<b>Storage</b>	As all Microsoft 365 user accounts are backed up, more storage will be required.	As only selective Microsoft 365 user accounts will be backed up, the backup set will require relatively less storage.
<b>Data Synchronization Check</b>	As all Microsoft 365 user accounts are selected for backup, regular DSC may not be required.	<p>As only selective files and/or folders are selected for backup, DSC is highly recommended to synchronize de-selected files and/or folders in the backup source with the backup destination(s).</p> <p>To know more about the DSC, please refer to <a href="#">Appendix E: Example Scenario for Data Synchronization Check (DSC) with sample backup reports</a></p>

## Backup Source for AhsayACB






For Microsoft 365 backup sets there are two approaches for backup source selection. Below are the sample screenshots of the selection All Items and Selective Items.

### All Items

Tick all the checkboxes, all of the items of the Microsoft 365 user account will automatically be selected.

### Backup Source

Select the items and folders that you want to backup






<input checked="" type="checkbox"/>		Outlook
<input checked="" type="checkbox"/>		OneDrive
<input checked="" type="checkbox"/>		Personal Site
<input checked="" type="checkbox"/>		Public Folders
<input checked="" type="checkbox"/>		Teams Chat

### Selective Items

Tick selective items to backup, either Outlook, OneDrive, Personal Site or Public Folders. In our example, only Outlook and OneDrive are ticked.

### Backup Source

Select the items and folders that you want to backup

<input checked="" type="checkbox"/>		Outlook
<input checked="" type="checkbox"/>		OneDrive
<input type="checkbox"/>		Personal Site
<input type="checkbox"/>		Public Folders
<input type="checkbox"/>		Teams Chat

These are the Pros and Cons when selecting a backup source from All Items and Selective Items.

	All Items	Selective Items
<b>User Maintenance</b>	The Admin does not need to manage the backup set, e.g. to select or unselect items, the changes are automatically updated in the backup source	The Admin will have to select or unselect items manually as the changes are not automatically updated in the backup source.

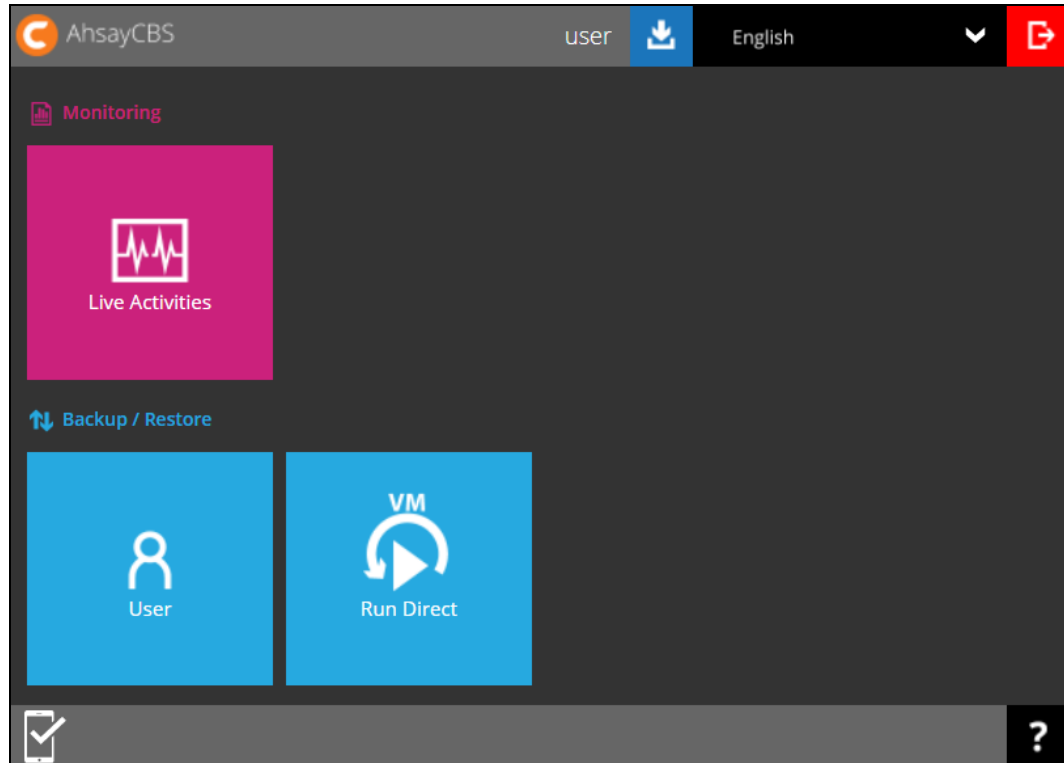
<b>Backup Time</b>	All Items of the Microsoft 365 user account will be backed up. This means the initial full backup job will take longer, any subsequent incremental backup will take longer.	Only selective Items of the Microsoft 365 user account will be backed up. This will mean the initial full backup job will be faster, any subsequent incremental backup will be faster.
<b>Storage</b>	As all Items of the Microsoft 365 user account are backed up, more storage will be required.	As only selective items of the Microsoft 365 user account will be backed up, the backup set will require relatively less storage.
<b>Data Synchronization Check</b>	Since an AhsayACB Microsoft 365 backup set only handles 1 or 2 Microsoft 365 accounts and there's no SharePoint, DSC may not be required to run frequently.	<p>Since an AhsayACB Microsoft 365 backup set only handles 1 or 2 Microsoft 365 accounts and there's no SharePoint, and if selective files and/or folders method is selected for backup, it is recommended to keep the DSC enabled to be able to synchronize de-selected files and/or folders in the backup source with the backup destination(s).</p> <p>To know more about DSC, please refer to <a href="#">Appendix E: Example Scenario for Data Synchronization Check (DSC) with sample backup reports</a></p>

### 3 Creating a Microsoft 365 Backup Set

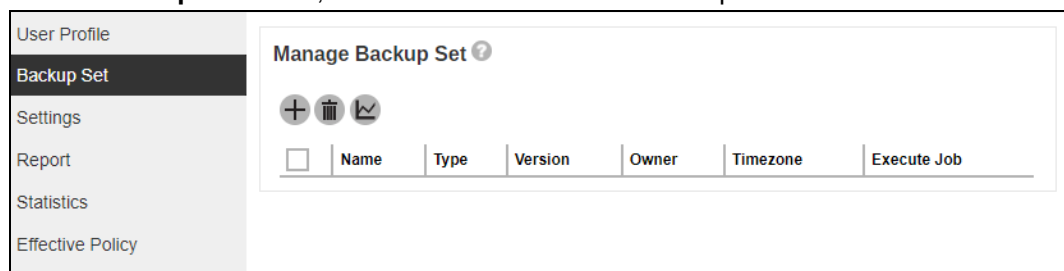
1. Log in to the User Web Console.

For instructions on how to do this please refer to [Chapter 2](#) of the AhsayCBS v9 User Guide.

2. Click the **User** icon on the User Web Console landing page.



3. On the **Backup Set** menu, click the + icon to create a backup set.



4. Select the type as **Microsoft 365 Backup**, then name the backup set.

AhsayOBM

**Create Backup Set**

**General**

Name  
Server Run Microsoft 365 Backup Set

Backup set type  
Microsoft 365 Backup

- File Backup
- IBM Lotus Domino Backup
- IBM Lotus Notes Backup
- MS Exchange Server Backup
- MS Exchange Mail Level Backup
- MS SQL Server Backup
- MS Hyper-V Backup
- MS Windows System Backup
- MySQL Backup
- MariaDB Backup
- Oracle Database Server Backup
- ShadowProtect System Backup
- MS Windows System State Backup
- VMware Backup
- Cloud File Backup
- Microsoft 365 Backup**

AhsayACB

**Create Backup Set**

**General**

Name  
Server Run Microsoft 365 Backup Set

Backup set type  
Microsoft 365 Backup

- File Backup
- IBM Lotus Notes Backup
- MS Windows System Backup
- Cloud File Backup
- Microsoft 365 Backup**

5. On the same menu under **Run on**, select **Server** to create a Run on Server (Agentless) backup set.

**Create Backup Set**

**General**

Name  
Server Run Microsoft 365 Backup Set

Backup set type  
Microsoft 365 Backup

Run on  
☒ Server ☐ Client

#### NOTES

- If you choose to run the backup set on the AhsayCBS server, you won't be able to back up, restore or manage your backups on AhsayOBM once the backup set is created.
- This setting **CANNOT** be altered once the backup set is created. If you wish to change the backup method later, you will have to create a new backup set and start over the configurations again.
- For backup sets created in **Run on Server** backup type, the backup destination is restricted to either AhsayCBS or a predefined destination (if setup by your backup service provider). If you wish to back up to other cloud destinations or back up to multiple destinations, the backup set should be created in **Run on Client** backup type instead.

For AhsayOBM select the **Backup scope** and **Region** then click **Test**.

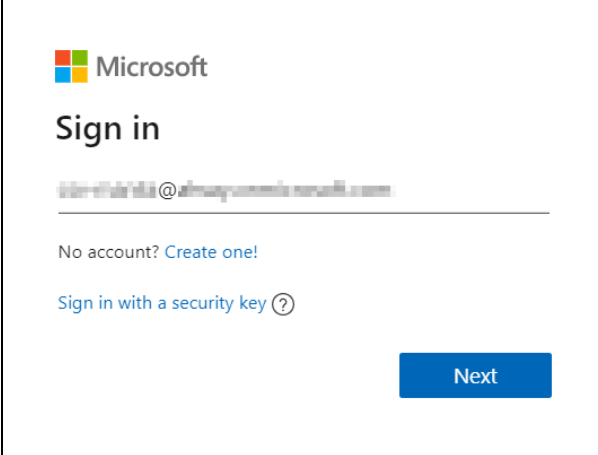
For AhsayACB select the **Region** then click **Test**.

AhsayOBM	AhsayACB
<div><h3>Create Backup Set</h3><div><b>General</b> Name <input type="text" value="Server Run Microsoft 365 Backup Set"/> Backup set type <input type="text" value="Microsoft 365 Backup"/> Run on <input checked="" type="radio"/> Server <input type="radio"/> Client</div><div><b>Microsoft 365</b> Backup scope <input checked="" type="radio"/> Entire organization <input type="radio"/> This Microsoft 365 user only Region <input type="text" value="Global"/> <input type="checkbox"/> Access the Internet through Proxy <input type="button" value="Test"/> <a href="#">Sign up for Microsoft 365 Backup</a></div></div>	<div><h3>Create Backup Set</h3><div><b>General</b> Name <input type="text" value="Server Run Microsoft 365 Backup Set"/> Backup set type <input type="text" value="Microsoft 365 Backup"/> Run on <input checked="" type="radio"/> Server <input type="radio"/> Client</div><div><b>Microsoft 365</b> Region <input type="text" value="Global"/> <input type="checkbox"/> Access the Internet through Proxy <input type="button" value="Test"/> <a href="#">Sign up for Microsoft 365 Backup</a></div></div>

Click **Authorize** to start the authentication process.

Click [Authorize] and in the pop-up browser window, sign in your Microsoft account and authorize the backup application (if necessary), copy and paste the authorization code to the textbox and hit [OK] to complete the authentication.

Sign in to your Microsoft account.



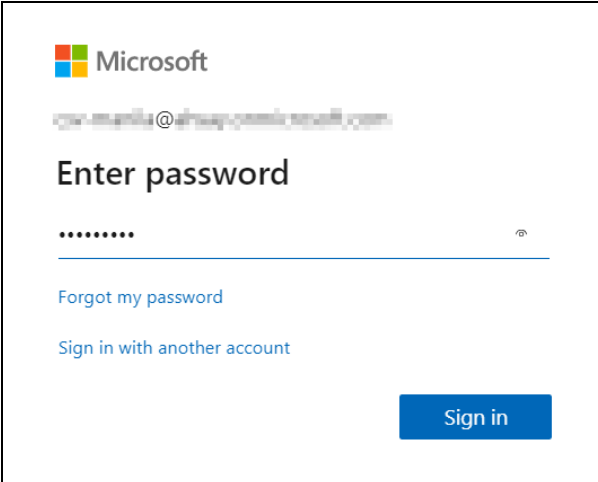
Microsoft

## Sign in

No account? [Create one!](#)

[Sign in with a security key ?](#)

[Next](#)



Microsoft

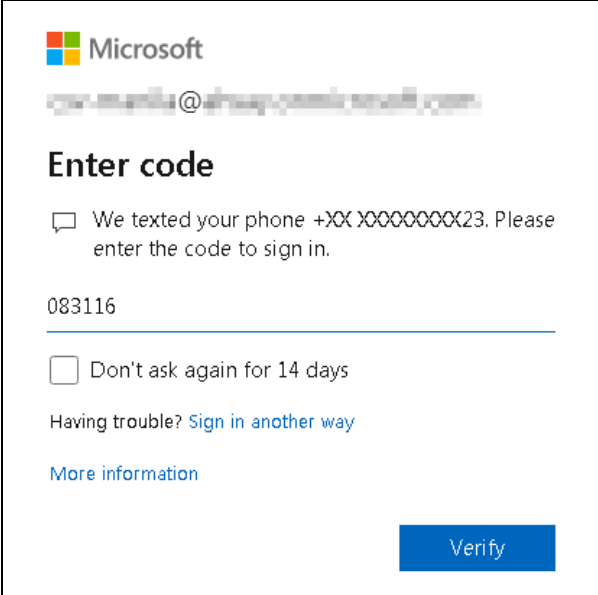
## Enter password

[Forgot my password](#)

[Sign in with another account](#)

[Sign in](#)

If MFA is enforced, enter the code and click **Verify**.



Microsoft

## Enter code

☐ We texted your phone +XX XXXXXXXX23. Please enter the code to sign in.

☐ Don't ask again for 14 days

Having trouble? [Sign in another way](#)

[More information](#)

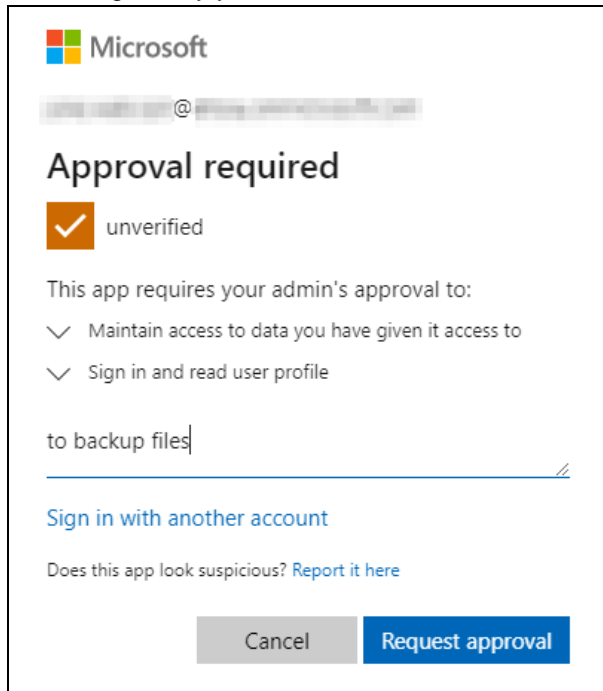
[Verify](#)

#### NOTE

The verification code is only required if the MFA status of a Microsoft 365 account is enforced.



This will only be displayed if you login using an ordinary user account. Approval is required for ordinary users. Enter the reason for the request then click **Request approval**. Approval must be given by your administrator before an authorization code is issued.



A Microsoft dialog box titled "Approval required" for a user named "John Doe". It shows a checkmark icon and the word "unverified". Below, it lists permissions: "Maintain access to data you have given it access to" and "Sign in and read user profile". A text field contains "to backup files". At the bottom, there are "Cancel" and "Request approval" buttons.

Microsoft

John Doe @ [redacted]

### Approval required

☒ unverified

This app requires your admin's approval to:

- ✓ Maintain access to data you have given it access to
- ✓ Sign in and read user profile

to backup files

[Sign in with another account](#)

Does this app look suspicious? [Report it here](#)

Cancel Request approval

Copy the authorization code.



A screenshot of the Ahsay interface showing the "Authorization Code for Microsoft 365". The code is "0.ASsA\_IShkza7uEGrYiY1I1VMXiGI8nVBhARCGjmGnR:". Below the code, it instructs the user to copy and paste the code into Ahsay's product to complete the setup.

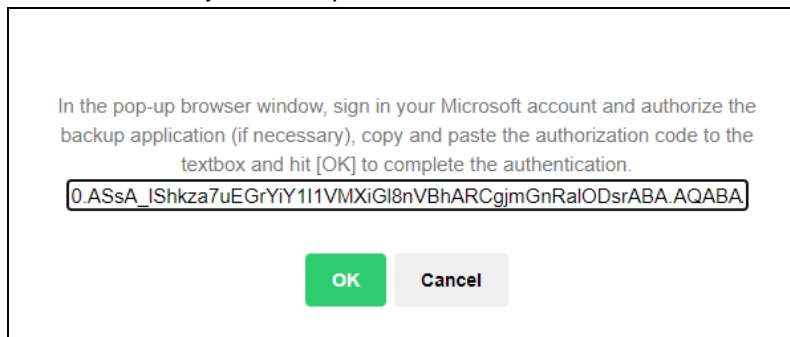
AHSAY

Authorization Code for Microsoft 365

0.ASsA\_IShkza7uEGrYiY1I1VMXiGI8nVBhARCGjmGnR:

Please copy and paste the above Authorization Code into Ahsay's product to complete the setup.

Go back to AhsayCBS and paste the authorization code. Click **OK** to proceed.




A dialog box from AhsayCBS. It contains instructions to sign in to a Microsoft account and authorize the backup application. A text field contains the authorization code "0.ASsA\_IShkza7uEGrYiY1I1VMXiGI8nVBhARCGjmGnRAlODsrABA.AQABA". At the bottom, there are "OK" and "Cancel" buttons.

In the pop-up browser window, sign in your Microsoft account and authorize the backup application (if necessary), copy and paste the authorization code to the textbox and hit [OK] to complete the authentication.

0.ASsA\_IShkza7uEGrYiY1I1VMXiGI8nVBhARCGjmGnRAlODsrABA.AQABA

OK Cancel

**Test completed successfully** will be displayed when the validation is successful. Click  to proceed.

AhsayOBM

### Create Backup Set

**General**

Name

Backup set type

Run on  
☒ Server ☐ Client

**Microsoft 365**

Backup scope  
☒ Entire organization  
☐ This Microsoft 365 user only

Region

☐ Access the Internet through Proxy

✓ Test completed successfully

[Sign up for Microsoft 365 Backup](#)

AhsayACB

### Create Backup Set

**General**

Name

Backup set type

Run on  
☒ Server ☐ Client

**Microsoft 365**

Region

☐ Access the Internet through Proxy

✓ Test completed successfully

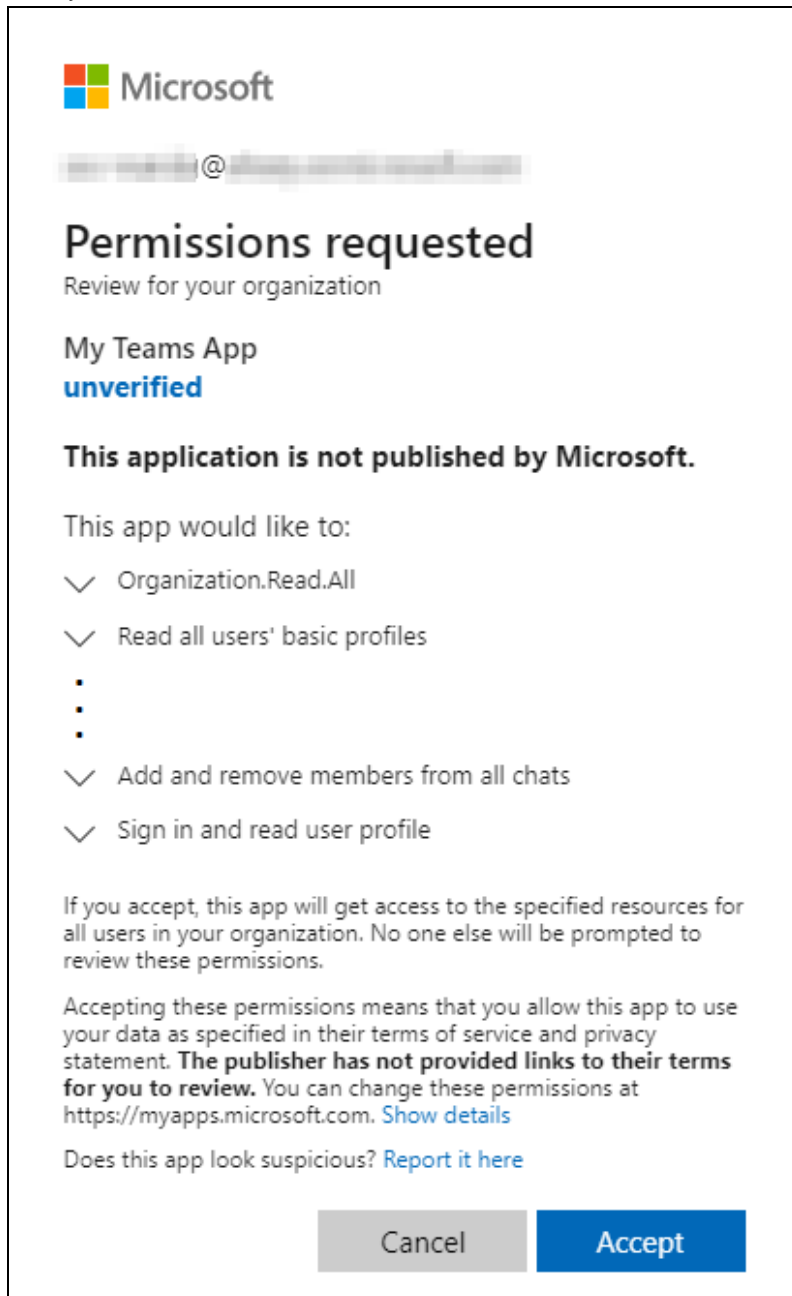
[Sign up for Microsoft 365 Backup](#)

6. Click **Continue**.

New App has been created successfully. Please follow the instructions in the pop-up browser window to authenticate the backup application.

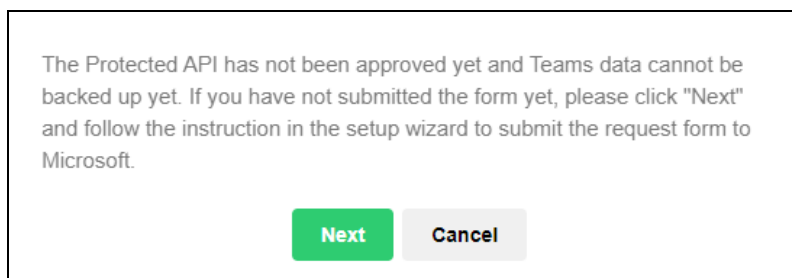
If you cannot find the pop-up window, click "[Open another browser window](#)" to continue.

7. Sign into your Microsoft 365 account then accept the permission request. Go back to AhsayCBS and click **Continue**.



The screenshot shows a Microsoft 365 permissions request dialog. At the top is the Microsoft logo. Below it is a blurred email address. The main heading is 'Permissions requested' with the subtitle 'Review for your organization'. The app name is 'My Teams App' and its status is 'unverified'. A warning states: 'This application is not published by Microsoft.' Below this, it says 'This app would like to:' followed by a list of permissions: 'Organization.Read.All', 'Read all users' basic profiles', and 'Add and remove members from all chats'. There are also three dots indicating more permissions and 'Sign in and read user profile'. A paragraph explains that accepting gives access to resources for all users. Another paragraph states that accepting means allowing data use as per terms of service, with a warning: 'The publisher has not provided links to their terms for you to review.' It provides a link to 'https://myapps.microsoft.com' and a 'Show details' link. At the bottom, it asks 'Does this app look suspicious?' with a 'Report it here' link. Two buttons are at the bottom: 'Cancel' and 'Accept'.

8. Click **Next**.



The screenshot shows a message box with the text: 'The Protected API has not been approved yet and Teams data cannot be backed up yet. If you have not submitted the form yet, please click "Next" and follow the instruction in the setup wizard to submit the request form to Microsoft.' At the bottom, there are two buttons: 'Next' and 'Cancel'.

9. Click the link to fill up the form. For instructions on how to fill up the form scroll down this page.

Click on the following link to open it in a browser.

<https://aka.ms/teamsgraph/requestaccess>

Fill in the form as instructed below

1. Enter your email address. You will receive notification from this email.

1. Your email address and any others you want to list as an owner (semicolon separated): \*

%Enter your email address. You will receive notification from this email%

2. Select "No" if it is the first time filling this form. ("Yes" if you are filling it again for updating information)

2. Have you received approval for the applications you will be listing to call protected APIs ? \*

☐ Yes

☒ No

☐ I don't know

Done

Click **Submit** once done filling up the form and close the web browser.

## Request access to protected APIs

Microsoft Teams APIs in Microsoft Graph that access sensitive data are considered **protected APIs**. These APIs require that you have additional validation, beyond permissions and consent, before you can use them. See <https://aka.ms/teamsgraph/protectedAPIs> for more details.

**Most protected APIs scenarios use metered APIs and an Azure subscription must be provided:**

Announcement: <https://aka.ms/meteredAPIsbilling>  
Licensing and payment requirements for Microsoft Teams APIs in Microsoft Graph: [https://aka.ms/Teams\\_licenses](https://aka.ms/Teams_licenses)  
Service Specific Terms: [https://aka.ms/Product\\_terms\\_for\\_Microsoft\\_Azure\\_services](https://aka.ms/Product_terms_for_Microsoft_Azure_services)

**To request access to these protected APIs, complete the following request form.**

\* Required

1

Your email address and any others you want to list as an owner (semicolon separated): \*

2

Publisher name: \*

3

Application name:

Then go back to AhsayCBS and click **Done**.

Click on the following link to open it in a browser.

<https://aka.ms/teamsgraph/requestaccess>

Fill in the form as instructed below

1. Enter your email address. You will receive notification from this email.

1. Your email address and any others you want to list as an owner (semicolon separated): \*

%Enter your email address. You will receive notification from this email%

2. Select "No" if it is the first time filling this form. ("Yes" if you are filling it again for updating information)

2. Have you received approval for the applications you will be listing to call

Done

#### NOTE

Requests for Permissions and Protected API access are only done once per user account.

10. Select the users and the data type for backup.

Backup Source window that will be displayed will be different for [AhsayOBM](#) and [AhsayACB](#).

### AhsayOBM

For AhsayOBM, the Backup Source window that will be displayed will depend on the backup scope selected. Either [Entire organization](#) or [This Microsoft 365 user only](#).

If [Entire organization](#) is selected this will be the screen displayed.

## Backup Source

### Select Microsoft 365 user(s) to backup

☒ All users

☐ Select Specific Select

☐ Auto-exclude any Microsoft 365 unlicensed user during backup

### Select the data type that you want to backup which are owned by the selected user(s)

☒ Outlook ☒ OneDrive ☒ Personal Site ☒ Teams Chat

☒ Teams

☒ All teams groups

☐ Select Specific Select

☒ Group Mail ☒ Group Site ☒ Teams Channel

☒ SharePoint Sites

☒ All SharePoint sites excluding personal and group sites

☐ Select Specific Select

☒ Public Folders

☒ All public folders

☐ Select Specific Select

### Filter (Exclude)

Apply this filter to all folders in

To select specific users, click **Select**.

### Select Microsoft 365 user(s) to backup

☒ All users

☐ Select Specific Select

☐ Auto-exclude any Microsoft 365 unlicensed user during backup

Users can be sorted alphabetically or by User Group.

Example of users sorted alphabetically.

Select Specific Source

☒ Sort by alphabetical order ☐ Sort by User Group

Search Users Show all

☐ All Users 0 Items Selected

<input type="checkbox"/> Benjie Hackett (bhackett@email.com)	<input type="checkbox"/> Claire Kirlin (ckirlin@email.com)
<input type="checkbox"/> Della Rippin (drippin@email.com)	<input type="checkbox"/> Dustin Cronin (dcronin@email.com)
<input type="checkbox"/> Elijah Fisher (efisher@email.com)	<input type="checkbox"/> Jasmine James (jjames@email.com)
<input type="checkbox"/> Jennifer Johnson (jjohnson@email.com)	<input type="checkbox"/> John Ferguson (jferguson@email.com)
<input type="checkbox"/> Justin Wright (jwright@email.com)	<input type="checkbox"/> Kayla Rose (krose@email.com)
<input type="checkbox"/> Khalid Howell (khowell@email.com)	<input type="checkbox"/> Lester Warner (lwarner@email.com)
<input type="checkbox"/> Melba Langosh (mlangosh@email.com)	<input type="checkbox"/> Michael Hensley (mhensley@email.com)
<input type="checkbox"/> Natalie Robinson (nrobinson@email.com)	<input type="checkbox"/> Paula Reyes (preyes@email.com)
<input type="checkbox"/> Robert Lorenz (rlorenz@email.com)	<input type="checkbox"/> Wilfrid Prosacco (wprosacco@email.com)

Example of users sorted by User Group.

Select Specific Source

☐ Sort by alphabetical order ☒ Sort by User Group

Search Users Show all

☐ All Users 0 Items Selected

<input type="checkbox"/> Apexmobile	
<input type="checkbox"/> Jasmine James (jjames@email.com)	
<input type="checkbox"/> Basekix	
<input type="checkbox"/> John Ferguson (jferguson@email.com)	
<input type="checkbox"/> Signalbooks	
<input type="checkbox"/> Paula Reyes (preyes@email.com)	
<input type="checkbox"/> Superdox	
<input type="checkbox"/> Elijah Fisher (efisher@email.com)	<input type="checkbox"/> Michael Hensley (mhensley@email.com)
<input type="checkbox"/> Natalie Robinson (nrobinson@email.com)	
<input type="checkbox"/> TripleTarget	
<input type="checkbox"/> Khalid Howell (khowell@email.com)	<input type="checkbox"/> Wilfrid Prosacco (wprosacco@email.com)


List of users can be displayed in three ways.

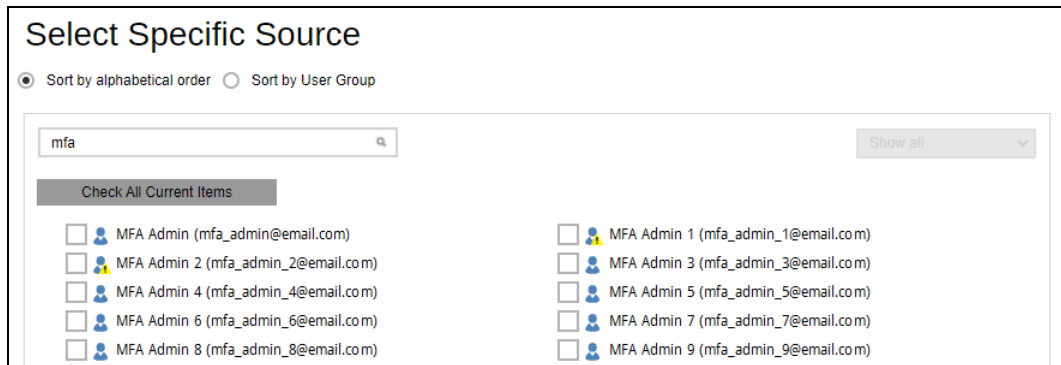
Show all ▼

Show all

Selected only


No longer available

Searching for a particular user is possible by entering the name or email address then click . A list of names and email addresses will be displayed containing the search criteria. Click **Check All Current Items** to select all listed users.



**Select Specific Source**

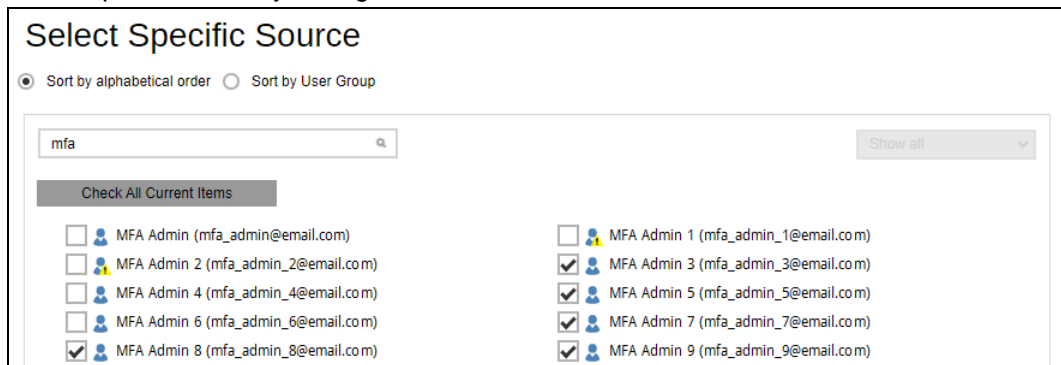
☒ Sort by alphabetical order ☐ Sort by User Group

Search: mfa  Show all

**Check All Current Items**


<input type="checkbox"/> MFA Admin (mfa_admin@email.com)	<input type="checkbox"/> MFA Admin 1 (mfa_admin_1@email.com)
<input type="checkbox"/> MFA Admin 2 (mfa_admin_2@email.com)	<input type="checkbox"/> MFA Admin 3 (mfa_admin_3@email.com)
<input type="checkbox"/> MFA Admin 4 (mfa_admin_4@email.com)	<input type="checkbox"/> MFA Admin 5 (mfa_admin_5@email.com)
<input type="checkbox"/> MFA Admin 6 (mfa_admin_6@email.com)	<input type="checkbox"/> MFA Admin 7 (mfa_admin_7@email.com)
<input type="checkbox"/> MFA Admin 8 (mfa_admin_8@email.com)	<input type="checkbox"/> MFA Admin 9 (mfa_admin_9@email.com)

Select specific users by ticking the checkbox beside the user.



**Select Specific Source**

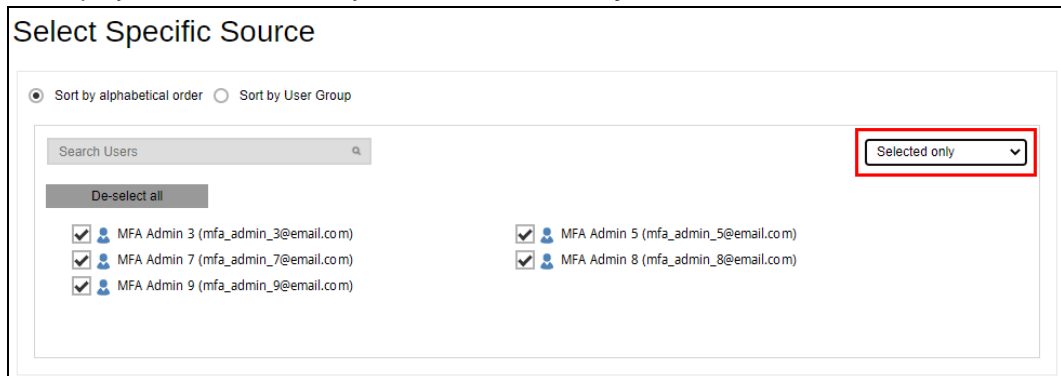
☒ Sort by alphabetical order ☐ Sort by User Group

Search: mfa  Show all

**Check All Current Items**


<input type="checkbox"/> MFA Admin (mfa_admin@email.com)	<input type="checkbox"/> MFA Admin 1 (mfa_admin_1@email.com)
<input type="checkbox"/> MFA Admin 2 (mfa_admin_2@email.com)	<input checked="" type="checkbox"/> MFA Admin 3 (mfa_admin_3@email.com)
<input type="checkbox"/> MFA Admin 4 (mfa_admin_4@email.com)	<input checked="" type="checkbox"/> MFA Admin 5 (mfa_admin_5@email.com)
<input type="checkbox"/> MFA Admin 6 (mfa_admin_6@email.com)	<input checked="" type="checkbox"/> MFA Admin 7 (mfa_admin_7@email.com)
<input checked="" type="checkbox"/> MFA Admin 8 (mfa_admin_8@email.com)	<input checked="" type="checkbox"/> MFA Admin 9 (mfa_admin_9@email.com)

To display selected users only, select **Selected only**.




**Select Specific Source**

☒ Sort by alphabetical order ☐ Sort by User Group

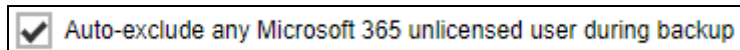
Search Users  Selected only

**De-select all**

<input checked="" type="checkbox"/> MFA Admin 3 (mfa_admin_3@email.com)	<input checked="" type="checkbox"/> MFA Admin 5 (mfa_admin_5@email.com)
<input checked="" type="checkbox"/> MFA Admin 7 (mfa_admin_7@email.com)	<input checked="" type="checkbox"/> MFA Admin 8 (mfa_admin_8@email.com)
<input checked="" type="checkbox"/> MFA Admin 9 (mfa_admin_9@email.com)	

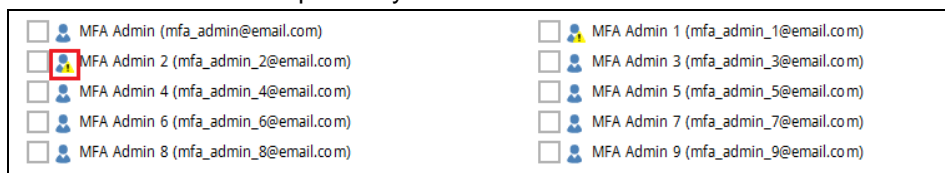
Click  once done with the selection.


Tick the **Auto-exclude any unlicensed user during backup** checkbox if you do not want to include unlicensed users in your backup.



☒ Auto-exclude any Microsoft 365 unlicensed user during backup

An unlicensed user is depicted by this icon .



<input type="checkbox"/> MFA Admin (mfa_admin@email.com)	<input type="checkbox"/> MFA Admin 1 (mfa_admin_1@email.com)
<input type="checkbox"/>  MFA Admin 2 (mfa_admin_2@email.com)	<input type="checkbox"/> MFA Admin 3 (mfa_admin_3@email.com)
<input type="checkbox"/> MFA Admin 4 (mfa_admin_4@email.com)	<input type="checkbox"/> MFA Admin 5 (mfa_admin_5@email.com)
<input type="checkbox"/> MFA Admin 6 (mfa_admin_6@email.com)	<input type="checkbox"/> MFA Admin 7 (mfa_admin_7@email.com)
<input type="checkbox"/> MFA Admin 8 (mfa_admin_8@email.com)	<input type="checkbox"/> MFA Admin 9 (mfa_admin_9@email.com)







Select the data type that you want to be included in the backup. Select from Outlook, OneDrive, Personal Site and Teams Chat. Ticking the checkbox will backup all, i.e. ticking the Outlook checkbox will back up the mailboxes of the selected user(s). For Teams Chat, it is not necessary to select other user accounts involved in the chat to backup the conversation.


**Select the data type that you want to backup which are owned by the selected user(s)**

☒  Outlook ☒  OneDrive ☒  Personal Site ☒  Teams Chat

Select to backup Teams, SharePoint Sites and Public Folders.


To select a specific Group to backup in Teams, click **Select**.











☒  Teams  
☐ All teams groups  
☒ Select Specific **Select**  
☒  Group Mail ☒  Group Site ☒  Teams Channel

Searching for a particular group is also possible, enter the group name in the Search Groups field and click . List of groups can also be displayed in three ways: Show all,

Selected only and No longer available. Click ☒ once done with the selection. Also select if Group Mail, Group Site and/or Teams Channel will be included in the backup.

**Select Specific Source**

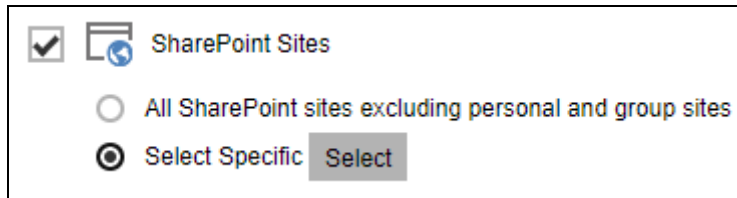
☐  All Groups 0 Items Selected

<input type="checkbox"/>  Apexmobile (apexmobile@email.com)	<input type="checkbox"/>  Basekix (basekix@email.com)
<input type="checkbox"/>  Dappertrain (dappertrain@email.com)	<input type="checkbox"/>  Flexidev (flexidev@email.com)
<input type="checkbox"/>  Nuttermeet (nuttermeet@email.com)	<input type="checkbox"/>  Signalbooks (signalbooks@email.com)
<input type="checkbox"/>  Superdox (superdox@email.com)	<input type="checkbox"/>  TripleTarget (tripletarget@email.com)
<input type="checkbox"/>  Webstergu (webstergu@email.com)	<input type="checkbox"/>  Zoedoe (zoedoe@email.com)

#### NOTE

In order to backup shared attachments for certain Teams Channel posts, OneDrive and Group Site must be selected as source.

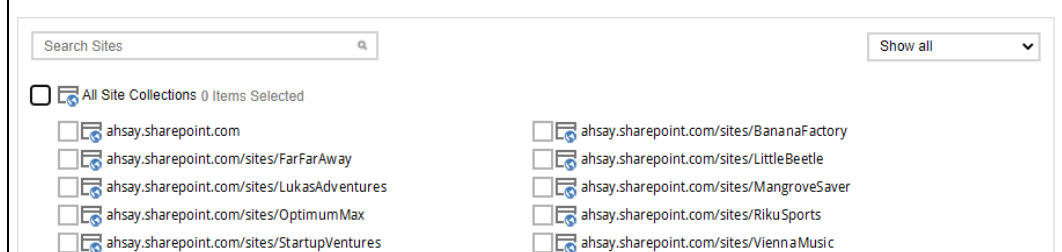
To select a specific Site to backup in SharePoint, click **Select**.



The screenshot shows a selection interface for SharePoint Sites. At the top, there is a checked checkbox next to a folder icon and the text "SharePoint Sites". Below this, there are two radio button options: "All SharePoint sites excluding personal and group sites" (which is unselected) and "Select Specific" (which is selected). To the right of the "Select Specific" radio button is a grey button labeled "Select".

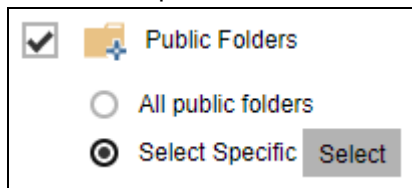
Searching and listing for Sites is the same process as discussed above.

### Select Specific Source



The screenshot shows the "Select Specific Source" interface for SharePoint Sites. It features a search bar labeled "Search Sites" with a magnifying glass icon. To the right of the search bar is a "Show all" button with a dropdown arrow. Below the search bar, there is a section titled "All Site Collections 0 Items Selected" with a checkbox and a folder icon. This section contains two columns of site collections, each with a checkbox and a folder icon. The first column lists: ahsay.sharepoint.com, ahsay.sharepoint.com/sites/FarFarAway, ahsay.sharepoint.com/sites/LukasAdventures, ahsay.sharepoint.com/sites/OptimumMax, and ahsay.sharepoint.com/sites/StartupVentures. The second column lists: ahsay.sharepoint.com/sites/BananaFactory, ahsay.sharepoint.com/sites/LittleBeetle, ahsay.sharepoint.com/sites/MangroveSaver, ahsay.sharepoint.com/sites/RikuSports, and ahsay.sharepoint.com/sites/ViennaMusic.

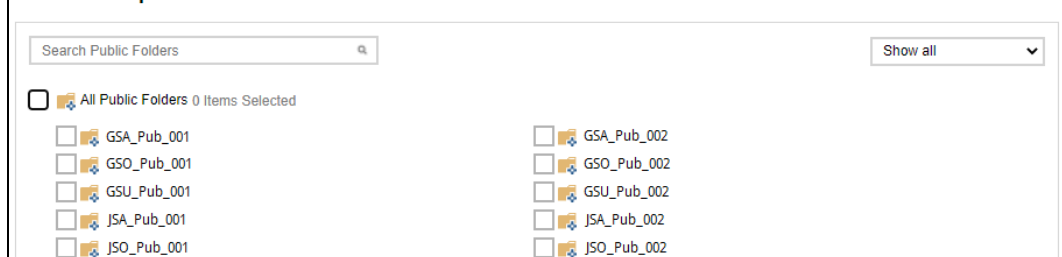
To select a specific Public Folder, click **Select**.



The screenshot shows a selection interface for Public Folders. At the top, there is a checked checkbox next to a folder icon and the text "Public Folders". Below this, there are two radio button options: "All public folders" (which is unselected) and "Select Specific" (which is selected). To the right of the "Select Specific" radio button is a grey button labeled "Select".

Searching and listing for Public Folders is the same process as discussed above.

### Select Specific Source



The screenshot shows the "Select Specific Source" interface for Public Folders. It features a search bar labeled "Search Public Folders" with a magnifying glass icon. To the right of the search bar is a "Show all" button with a dropdown arrow. Below the search bar, there is a section titled "All Public Folders 0 Items Selected" with a checkbox and a folder icon. This section contains two columns of public folders, each with a checkbox and a folder icon. The first column lists: GSA\_Pub\_001, GSO\_Pub\_001, GSO\_Pub\_001, JSA\_Pub\_001, and JSO\_Pub\_001. The second column lists: GSA\_Pub\_002, GSO\_Pub\_002, GSO\_Pub\_002, JSA\_Pub\_002, and JSO\_Pub\_002.

## AhsayACB

This will be the window displayed if:

- 1. This Microsoft 365 user only is selected in AhsayOBM
- 2. AhsayACB

Select the items and folders for backup.

### Backup Source

Select the items and folders that you want to backup


- ☐ Outlook
- ☐ OneDrive
- ☐ Personal Site
- ☐ Public Folders
- ☒ Teams Chat

**Filter (Exclude)**

Apply this filter to all folders in

**NOTE**

This message will be displayed if OneDrive is not selected but Teams is selected for backup.


**Warning**

Teams Channel / Teams Chat attached files cannot be backed up without OneDrive. Do you want to continue?

11. To exclude folders from your backup, use the exclude filter.

**Filter (Exclude)**

Apply this filter to all folders in

Enable the **Filter (Exclude)** by sliding the switch to the right. Click the  button to specify the criteria that will be used to exclude the folder.



The 'Filter (Exclude)' window has a title bar. Below it, the text 'Apply this filter to all folders in' is followed by a toggle switch that is currently turned on (orange). Below this, there are two circular buttons: one with a plus sign and one with a trash can icon. At the bottom, there is a text input field with the placeholder text 'Name'.

In the Filter window, enter a name for your filter.




The 'Filter' window has a title bar. Below it, the text 'Name' is followed by a text input field containing the text 'Filter A'.

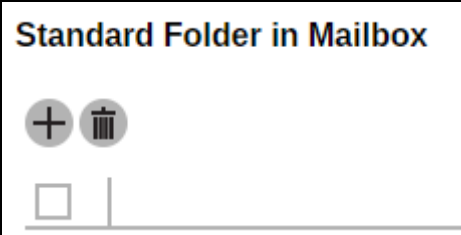
Select how the pattern will be compared, if by:

- **Simple comparison** – there are three choices:
  - **starts with**, folders that begins with the pattern will be selected
  - **ends with**, folders that ends with the pattern will be selected
  - **contain**, folders that contains the pattern will be selected




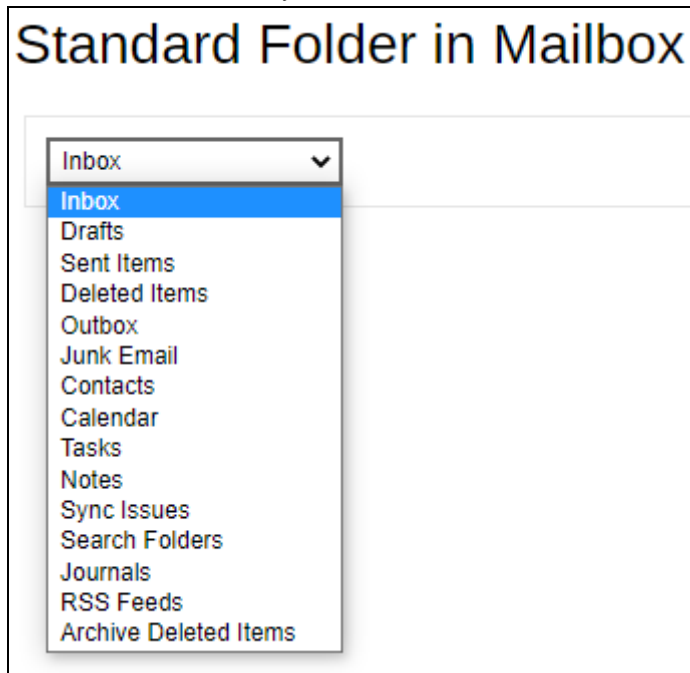
The 'Match folder names by' dialog has a title bar. Below it, there are three radio buttons: 'Simple comparison', 'Regular expression', and 'Standard Folder in Mailbox'. The 'Simple comparison' radio button is selected. To the right of the radio buttons is a dropdown menu with the following options: 'starts with', 'starts with', 'ends with', and 'contain'. The 'starts with' option is currently selected.


- **Regular expression (UNIX-style)** or
- **Standard Folder in Mailbox** – click the  button to select the folder.

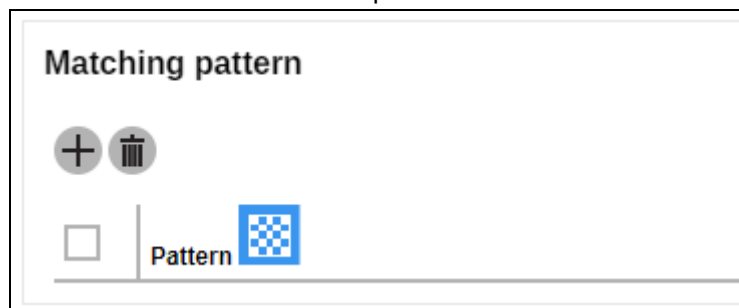


The 'Standard Folder in Mailbox' window has a title bar. Below it, there are two circular buttons: one with a plus sign and one with a trash can icon. At the bottom, there is a text input field.

Select the folder from the drop down box then click  to add. Repeat adding folders, until all the folders that you want to be excluded has been added to the filter.



Click the  button to add the pattern.



Enter your pattern then click  to add it. Repeat adding patterns, until all the patterns has been added to the filter.



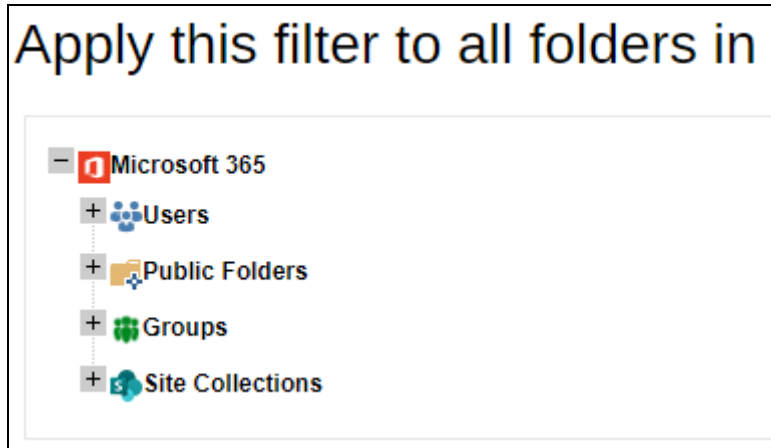
#### NOTE


Matching pattern is only available for Simple comparison and Regular expression.

Click the **Browse** button to select where the filter will be applied.



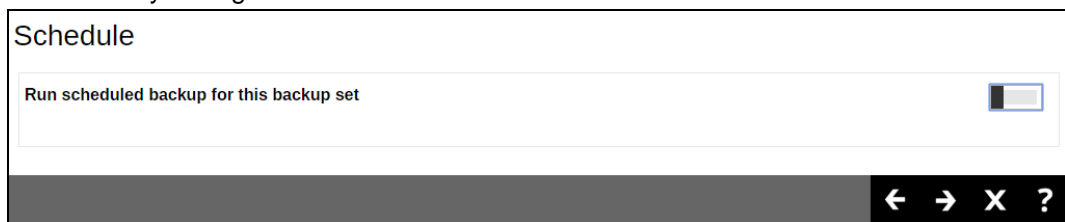
Click **+** or **-** to expand or collapse the tree, then click the node where you want the filter to be applied. Click **+** once done with the selection.




Click  to add the filter.

Click  to continue.

12. If you would like the backup set to run at a specified time interval of your choice, turn this feature on by sliding the on/off switch in the **Schedule** menu.



Click the  button to add a schedule.



Configure the following backup schedule settings.

- 1 **Name** – the name of the backup schedule.
- 2 **Type** – the type of the backup schedule. There are four (4) different types of backup schedule: Daily, Weekly, Monthly and Custom.
- 3 **Daily** – the time of the day when the backup job will run.

### Backup Schedule

Client version < 8.3.3.50 does not support periodic schedule, periodic schedule will work as normal schedule.

#### Details

Name  
Daily-1

Type  
Daily ▼

Start backup  
at ▼ 18 ▼ : 00 ▼

Stop  
until full backup completed ▼

☒ Run Retention Policy after backup

- 4 **Weekly** – the day of the week and the time of the day when the backup job will run.

### Backup Schedule

Client version < 8.3.3.50 does not support periodic schedule, periodic schedule will work as normal schedule.

#### Details

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.

### Backup Schedule

Client version < 8.3.3.50 does not support periodic schedule, periodic schedule will work as normal schedule.

**Details**

Name  
Monthly-1

Type  
Monthly ▼

Backup on the following day every month  
☐ 1 ▼  
☒ Last ▼ Sunday ▼

Start backup at  
20 ▼ : 00 ▼

Stop  
until full backup completed ▼

☒ Run Retention Policy after backup

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

### Backup Schedule

Client version < 8.3.3.50 does not support periodic schedule, periodic schedule will work as normal schedule.

**Details**

Name  
Custom-1

Type  
Custom ▼

Backup on the following day once  
2020 ▼ 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.

The screenshot shows a 'Start backup' section with a dropdown menu. The dropdown is currently set to 'every' and shows a list of intervals: 1 minute, 2 minutes, 3 minutes, 4 minutes, 5 minutes, 6 minutes, 10 minutes, 12 minutes, 15 minutes, 20 minutes, 30 minutes, 1 hour, 2 hours, 3 hours, 4 hours, 6 hours, 8 hours, and 12 hours. The '1 minute' option is highlighted. To the left of the dropdown is a checkbox labeled 'Run Retention Policy after backup' which is checked.

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

The screenshot shows the 'Backup Schedule' configuration page. At the top, it says 'Client version < 8.3.3.50 does not support periodic schedule, periodic schedule will work as normal schedule.' Below this is a 'Details' section. The 'Name' field is 'Weekly-1'. The 'Type' dropdown is set to 'Weekly'. Under 'Backup on these days of the week', the days Mon, Tue, Wed, Thu, and Fri are checked, while Sun and Sat are unchecked. The 'Start backup' section shows a dropdown set to 'every' and another dropdown set to '4 hours'. At the bottom, the checkbox 'Run Retention Policy after backup' is checked.

**Figure 1.1** – Periodic schedule every 4 hours Monday - Friday during business hours

## Backup Schedule

Client version < 8.3.3.50 does not support periodic schedule, periodic schedule will work as normal schedule.

### Details

Name  
Weekly-1

Type  
Weekly

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

Start backup  
 at 21 : 00

Stop  
 until full backup completed

☒ Run Retention Policy after backup

**Figure 1.2** – Normal schedule runs at 21:00 or 9:00 PM on Saturday & Sunday during the weekend non-business hours

- ❶ **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 set 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.

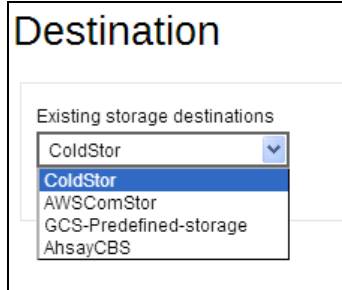
- ❶ **Run Retention Policy after backup** – if enabled, retention policy job will run to remove files from the backup destination(s) which have exceeded the retention policy after performing a backup job.

Click  to save the configured backup schedule settings.


Click  to proceed. Multiple backup schedules can be created.

13. To add a destination, select from the existing storage destinations listed on the drop-down list as provided by your backup service provider.

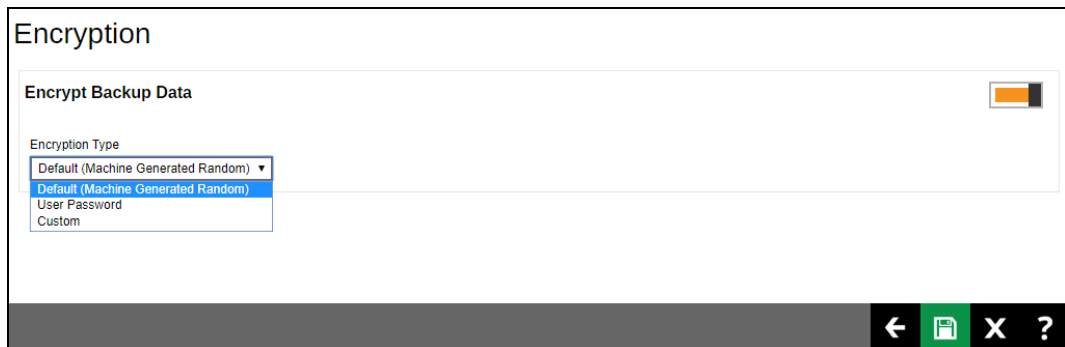
Backup destination is preset to the AhsayCBS or Predefined Destination.



In the sample screenshot above, the backup service provider has setup four (4) available destinations (i.e. ColdStor, AWSComStor, GCS-Predefined-storage, and AhsayCBS).

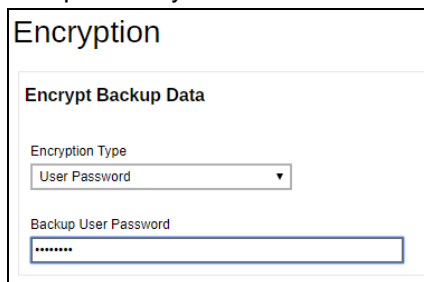
Click  at the bottom right corner to proceed when you are done with the setting.

14. By default, the **Encrypt Backup Data** option is enabled with the Encryption Type preset as **Default** which provides the most secure protection.



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

- 1. **Default (Machine Generated Random)** – an encryption key with 44 alpha numeric characters will be randomly generated by the system.
- 2. **User password** – the encryption key will be the same as the login password of your AhsayOBM at the time when this backup set was 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.

### Encryption

**Encrypt Backup Data**

Encryption Type


Algorithm

Encrypting key

Re-type encrypting key

Method  
☐ ECB ☒ CBC

Key length  
☐ 128-bit ☒ 256-bit

15. Click  at the bottom right corner to confirm creating this backup set.

User Profile  
**Backup Set**  
Settings  
Report  
Statistics  
Effective Policy

### Manage Backup Set

+ - ↺

<input type="checkbox"/>	Name	Type	Version	Owner	Execute Job
<input type="checkbox"/>	Server Run Office 365 Backup Set (1636008592504)		--	--	<input type="text" value="Backup"/> <input type="button" value="Run"/>

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

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

- No Compression - file will not be compressed before backup.
- Normal - compression is comparable to gzip Normal compression ratio.
- Fast (Compressed size larger than normal) - compression will be faster but with less compression and lower CPU usage compared to Normal.
- Fast with optimization for local - uses Snappy compression library when backing up to local destination only, otherwise setting will default to gzip if backing up to other destinations. Has the lowest CPU usage, very high speed and reasonable compression but compressed file size may be larger than Fast.

### Compressions

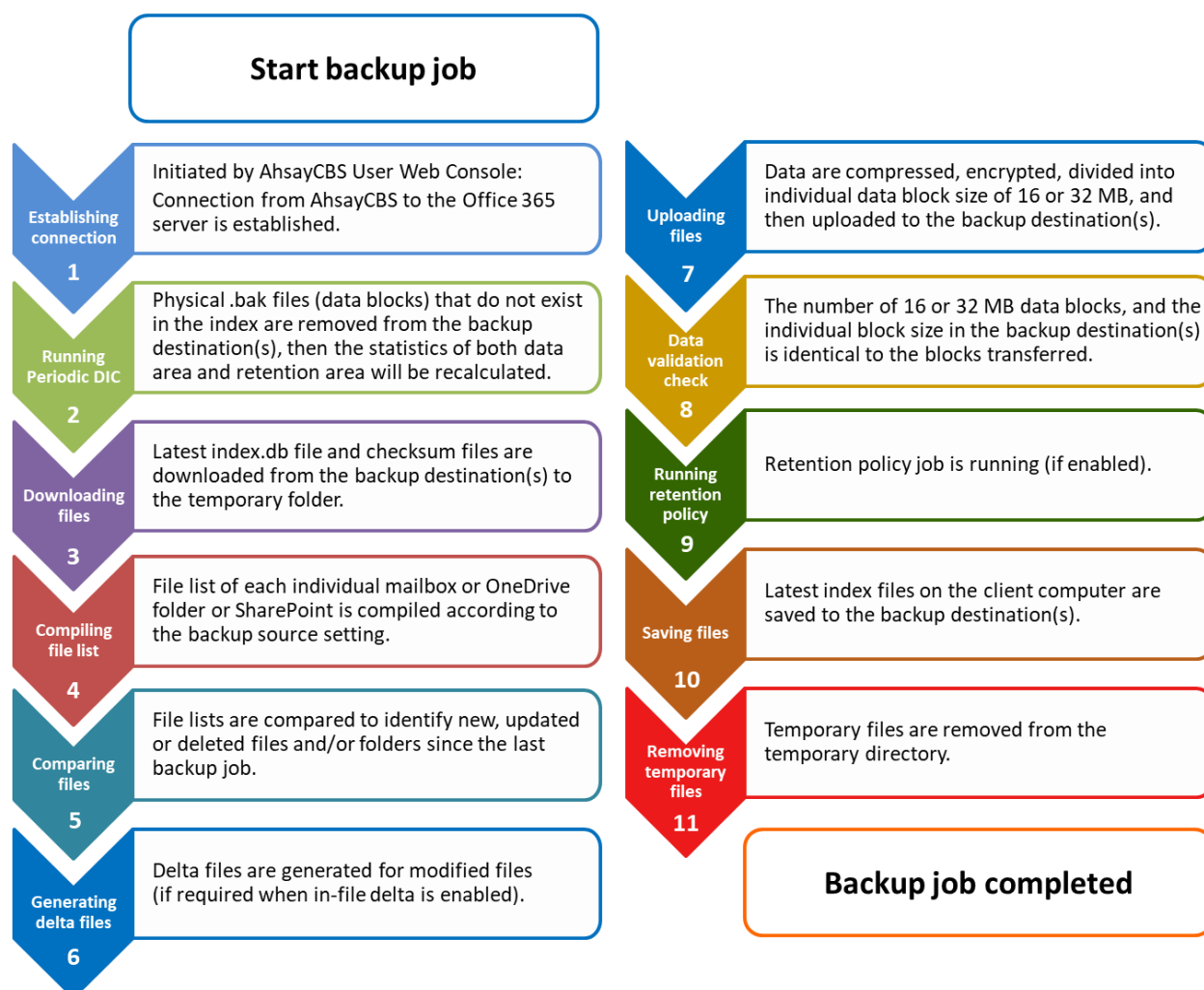
Select compression type

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

## 4 Overview of Microsoft 365 Backup Process

The following steps are performed during a backup job. For an overview of the detailed process for Steps 2, 3, 8, and 10, please refer to the following chapters.

- [Periodic Data Integrity Check \(PDIC\) Process \(Step 2\)](#)
- [Backup Set Index Handling Process](#)
  - ⊙ [Start Backup Job \(Step 3\)](#)
  - ⊙ [Completed Backup Job \(Step 10\)](#)
- [Data Validation Check Process \(Step 8\)](#)



## 4.1 Periodic Data Integrity Check (PDIC) Process

The PDIC will run on the first backup job that falls on the corresponding day of the week from **Monday to Friday**.

To minimize the impact of the potential load of large number of PDIC jobs running at the same time on the AhsayCBS server, the schedule of a PDIC job for each backup set is automatically determined by the result of the following formula:

***PDIC schedule = %BackupSetID% modulo 5***

or

***%BackupSetID% mod 5***

The calculated **result** will map to the corresponding day of the week (i.e., from Monday to Friday).

<b>0</b>	<b>Monday</b>
<b>1</b>	<b>Tuesday</b>
<b>2</b>	<b>Wednesday</b>
<b>3</b>	<b>Thursday</b>
<b>4</b>	<b>Friday</b>

**NOTE: The PDIC schedule cannot be changed.**

**Example:**

Backup set ID: 1594627447932

Calculation:  $1594627447932 \bmod 5 = 2$

<b>2</b>	<b>Wednesday</b>
----------	------------------

In this example:

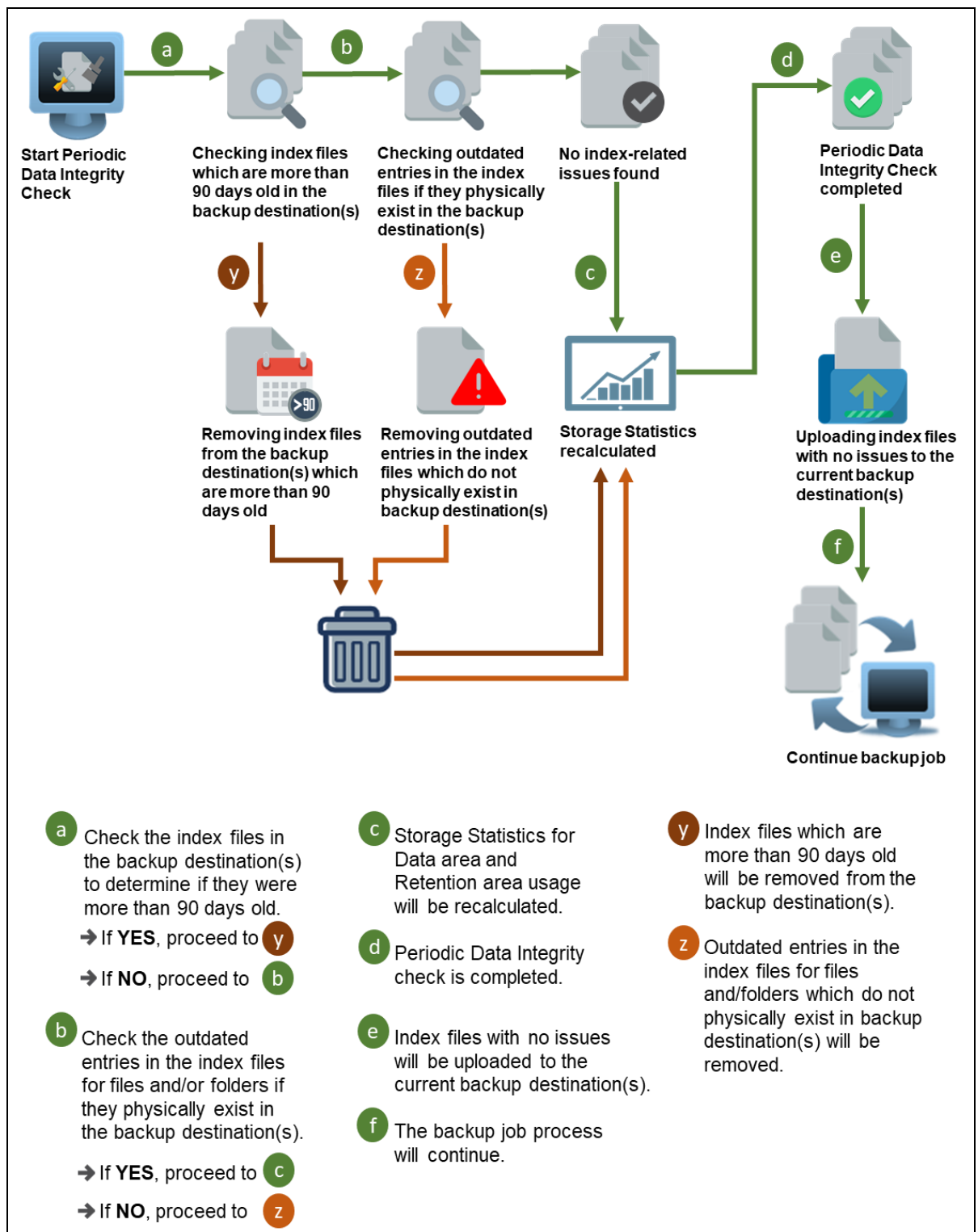
- the PDIC will run on the first backup job that falls on Wednesday; or
- if there is no active backup job(s) running from Monday to Friday, then the PDIC will run on the next available backup job.

### NOTE

Although according to the PDIC formula for determining the schedule is ***%BackupSetID% mod 5***, this schedule only applies if the previous PDIC job was actually run more than 7 days prior.

Under certain conditions, the PDIC may not run strictly according to this formula. For example:

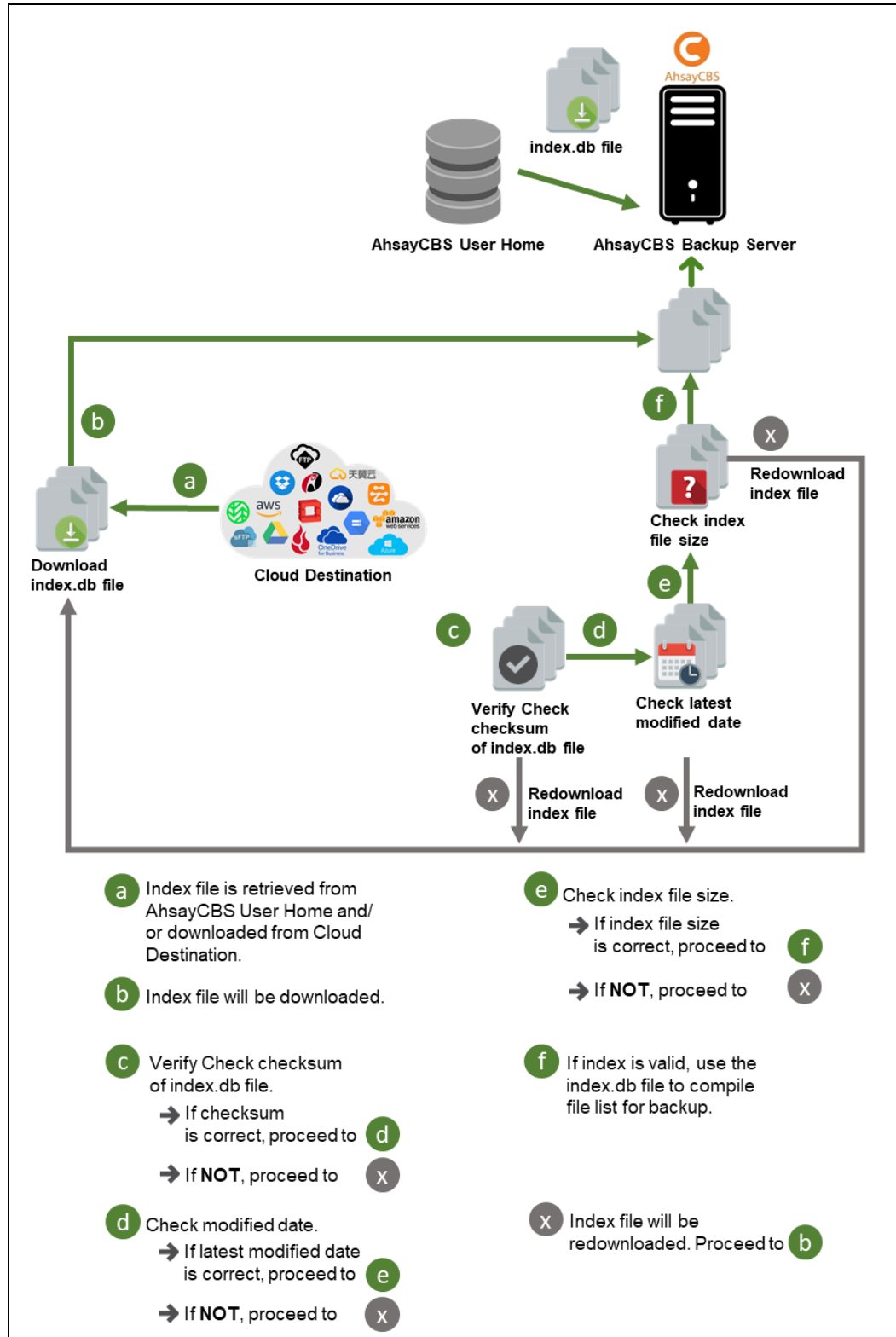
1. If AhsayCBS was upgraded to v9 (or above) from an older version v7, or pre-8.3.6.0 version. In this case, the PDIC job will run on the first backup job after upgrade.
2. If backup jobs for a backup set are not run on a regular daily backup schedule (for example: on a weekly or monthly schedule), then the PDIC job will run if it detects that the previous PDIC job was run more than 7 days ago.



## 4.2 Backup Set Index Handling Process

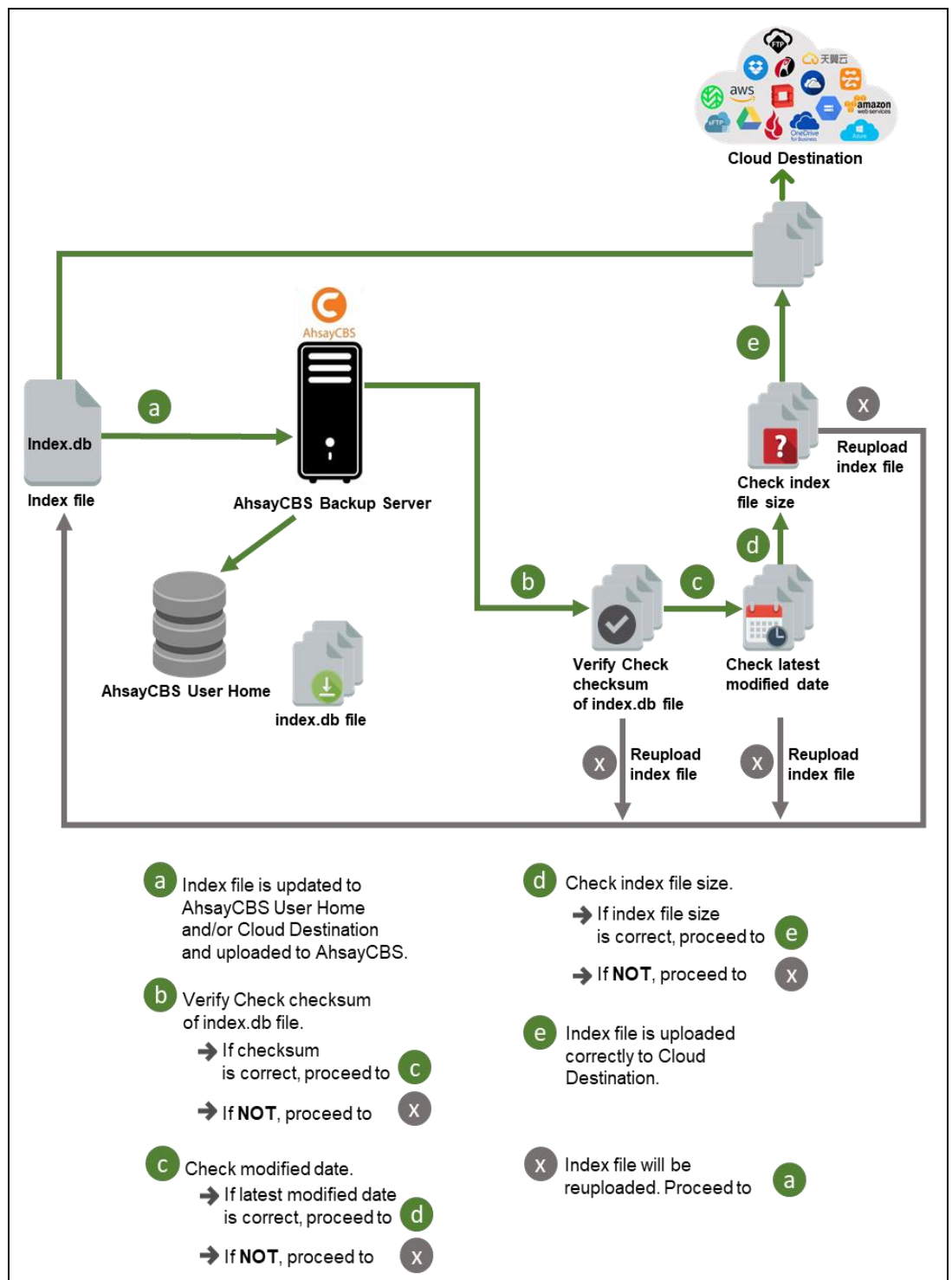
To minimize the possibility of index related issues affecting backups, each time index files are downloaded from and uploaded to backup destination(s); the file size, last modified date, and checksum is verified to ensure index file integrity.

### 4.2.1 Start Backup Job



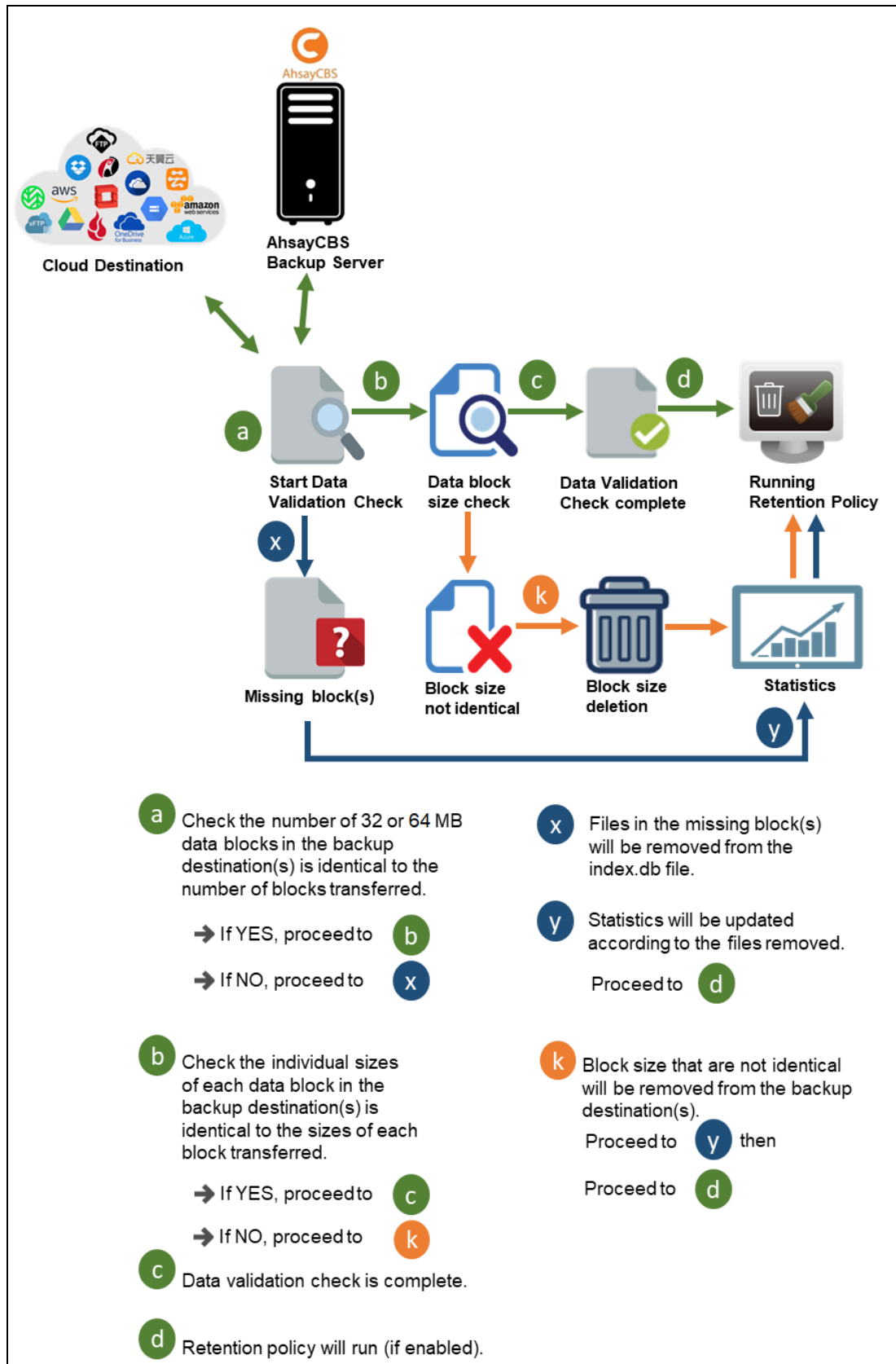


## 4.2.2 Completed Backup Job



## 4.3 Data Validation Check Process

As an additional measure to ensure that all files transferred to the backup destination(s) are received and saved correctly, both the number of 32 or 64 MB data block files and the size of each block file are checked again after the files are transferred.

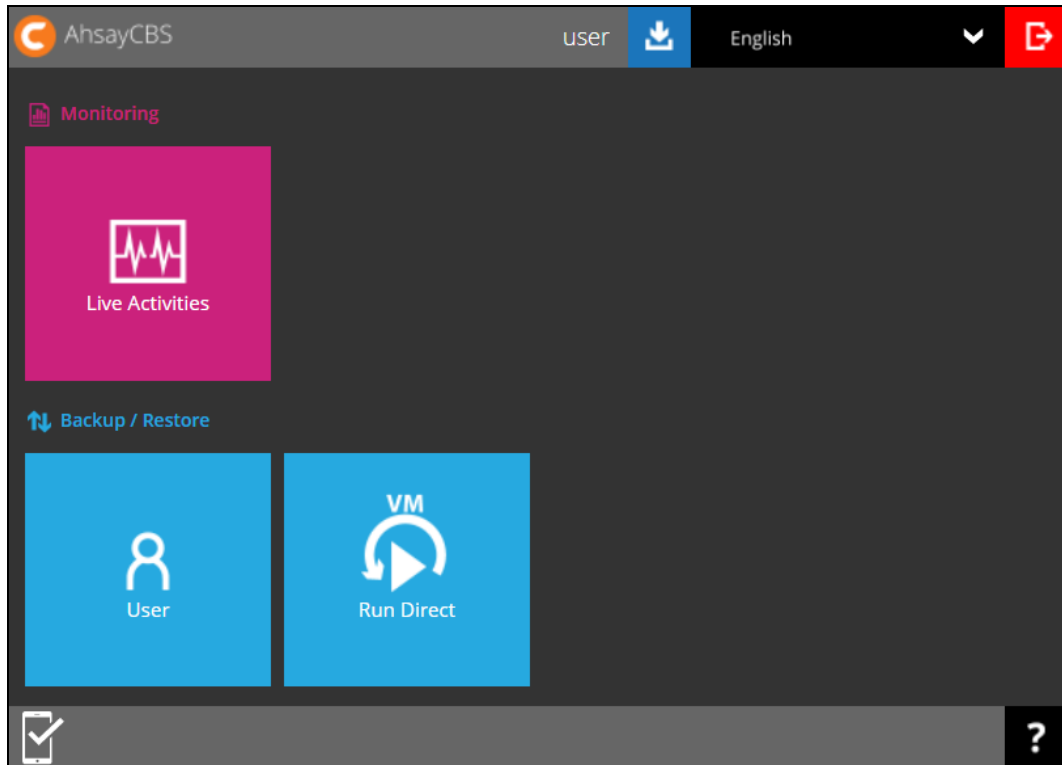


## 5 Running Backup Job

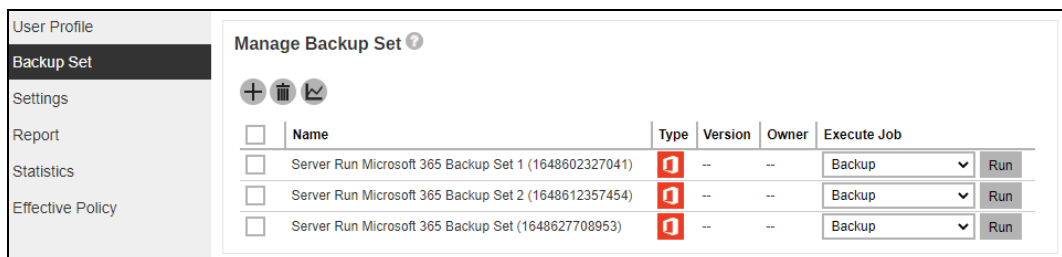
1. Log in to the User Web Console.

For instructions on how to do this please refer to [Chapter 2](#) of the AhsayCBS v9 User Guide.

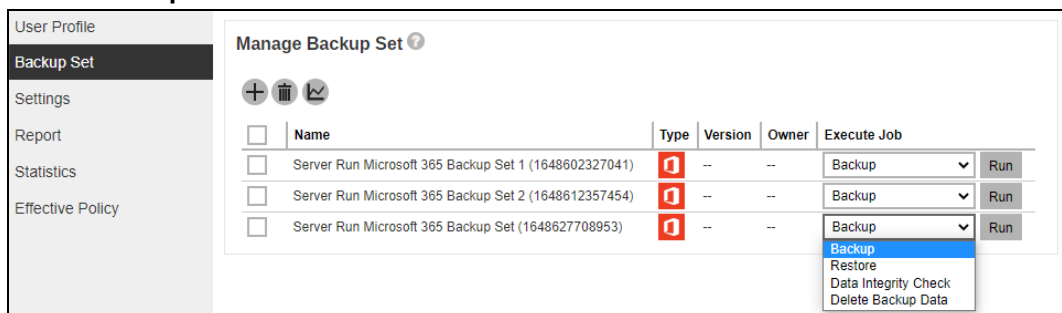
2. Click on the **User** icon.



3. Under the **Backup Set > Manage Backup Set** menu, you should see the backup set you have created.



4. Click the drop-down menu on the backup set that you would like to start a backup for. Select **Backup** and then click **Run**.



- Check the **Migrate Data** and **Retention Policy** settings if necessary.

## Backup

### Migrate Data

☐ Migrate existing data to latest version


### Retention Policy

☐ Run Retention Policy after backup

### NOTE

Migrate Data will only be available if Deduplication is enabled for the backup set. Deduplication settings may be modified in Backup / Restore > User > Backup Set > %Backup Set Name% > Deduplication.

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](#).

- Click  to start the backup.

- You will see the status showing **Backup is Running** when the backup is in progress.

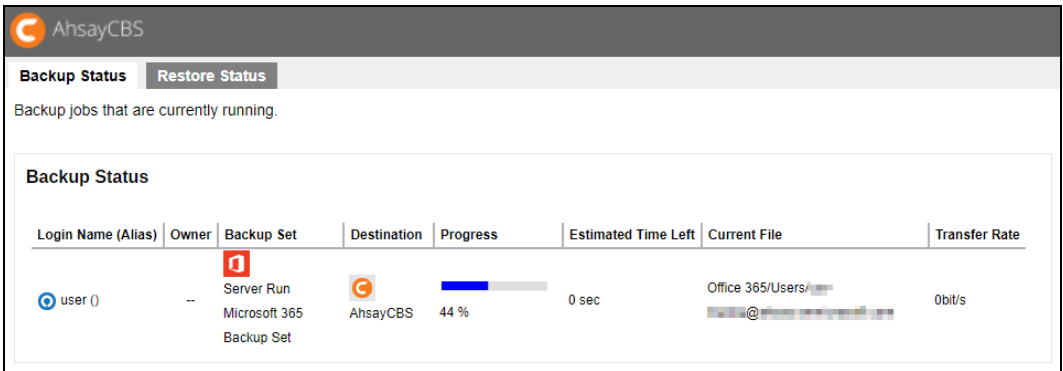
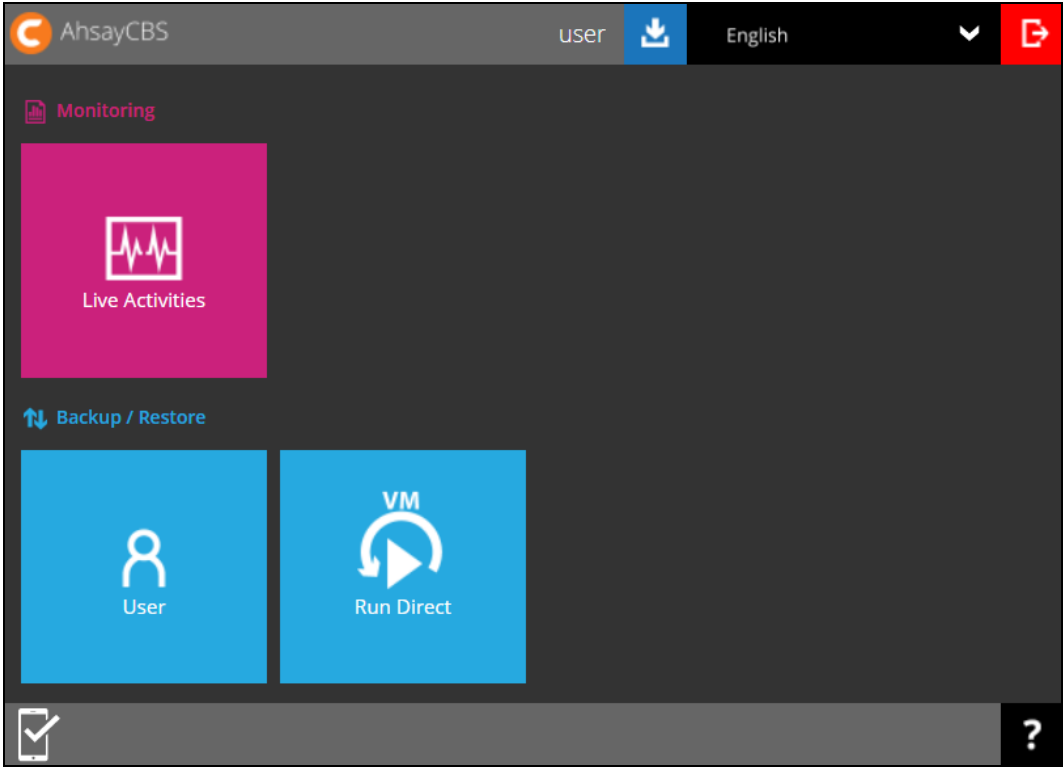
User Profile
Backup Set
Settings
Report
Statistics
Effective Policy

### Manage Backup Set

+
trash
refresh

<input type="checkbox"/>	Name	Type	Version	Owner	Execute Job
<input type="checkbox"/>	Server Run Microsoft 365 Backup Set 1 (1648602327041)		--	--	Backup <span>Run</span>
<input type="checkbox"/>	Server Run Microsoft 365 Backup Set 2 (1648612357454)		--	--	Backup <span>Run</span>
<input type="checkbox"/>	Server Run Microsoft 365 Backup Set (1648627708953)		--	--	Backup is Running <span>Stop</span>

8. If you want to monitor the backup status, you need to go to **Live Activities** to watch the progress.

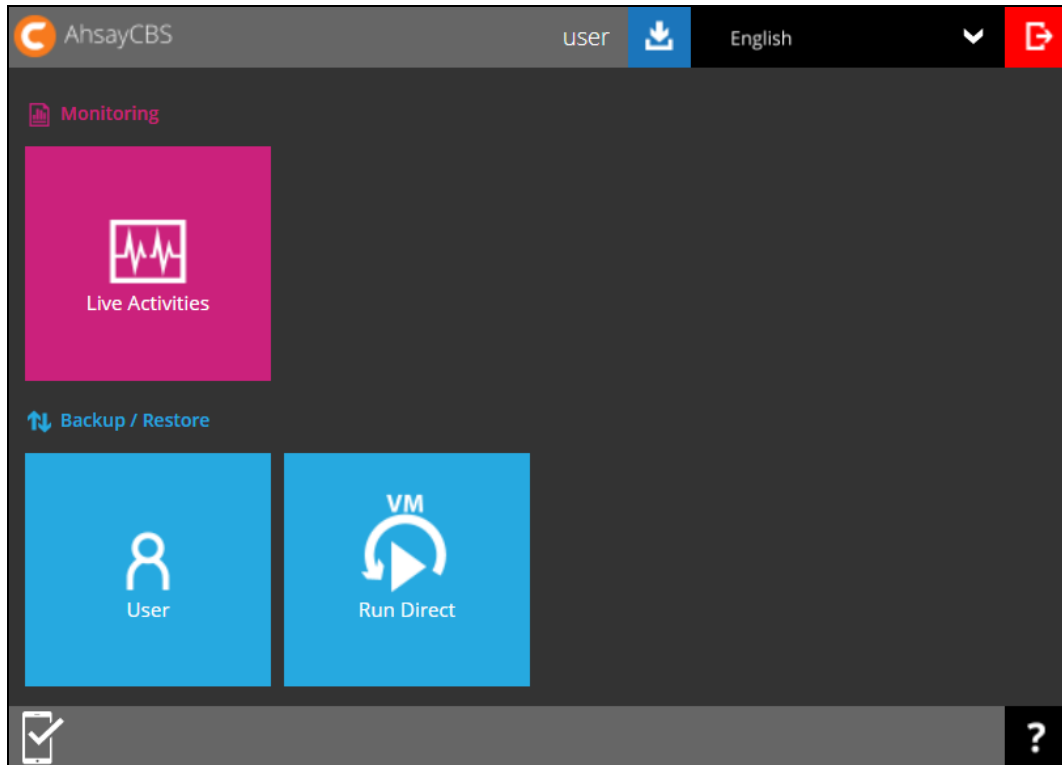


## 6 Restoring Microsoft 365 Backup Set

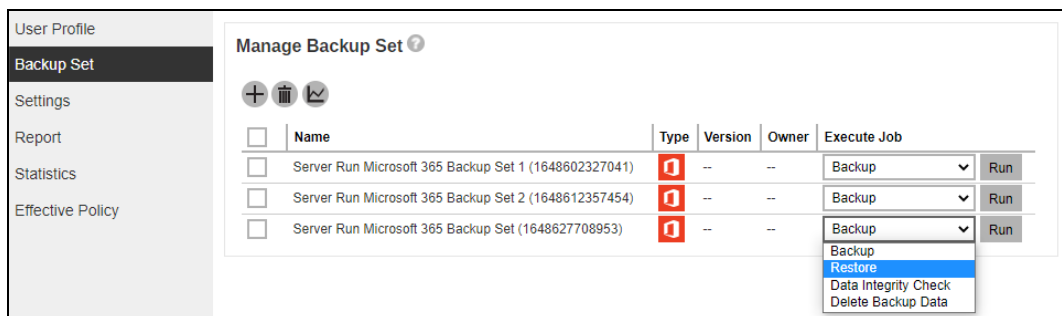
1. Log in to the User Web Console.

For instructions on how to do this please refer to [Chapter 2](#) of the AhsayCBS v9 User Guide.

2. Click on the **User** icon.

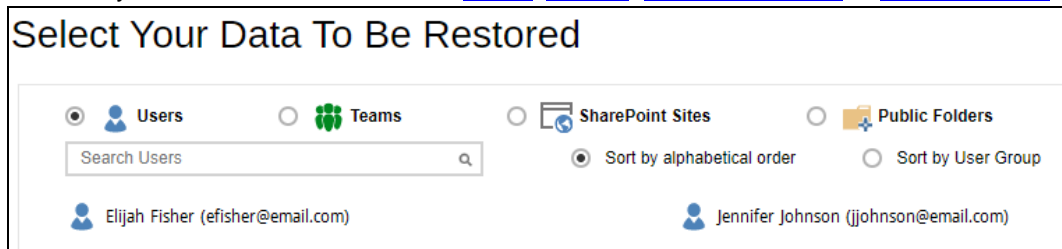


3. You should see the backup set you would like to restore under **Backup Set > Manage Backup Set**. Click on the drop-down menu on the backup set you would like to restore, then select **Restore** and click **Run**.





4. Choose data to be restored.

For AhsayOBM, select to restore from [Users](#), [Teams](#), [SharePoint Sites](#) or [Public Folders](#).




While for AhsayACB, select to restore from [Users](#) or [Public Folders](#).

### Select Your Data To Be Restored

☒  **Users** ☐  **Public Folders**

☒ Sort by alphabetical order ☐ Sort by User Group

 Jennifer Johnson (jjohnson@email.com)

#### NOTE

Choices for data to be restored will depend on the data that was backed up. Only one type of data can be restored at a time, e.g. if you choose to restore Users and Teams you can restore Users first then after the restore process, do the restore for Teams next.





### From Users

Users can be sorted alphabetically or by User Group. There is also a search function if there are many Users listed. Click on the user that will be restored.



Here are sample screenshots for:

AhsayOBM

### Select Your Data To Be Restored



☒  **Users** ☐  **Teams** ☐  **SharePoint Sites** ☐  **Public Folders**

☒ Sort by alphabetical order ☐ Sort by User Group


 Elijah Fisher (efisher@email.com)  Jennifer Johnson (jjohnson@email.com)

AhsayACB

### Select Your Data To Be Restored

☒  **Users** ☐  **Public Folders**

☒ Sort by alphabetical order ☐ Sort by User Group

 Jennifer Johnson (jjohnson@email.com)

Select the item(s) you would like to restore. You can also choose to restore backed up file from a specific backup job of your choice using the drop-down menu at the top.

If the checkbox beside Outlook is ticked, then all the items under Outlook will be restored.

### Select Your Items To Be Restored

Choose from files as of job: 2022-06-09 Latest Jennifer Johnson (jjohnson@email.com)

☒ Outlook ☐ OneDrive ☐ Personal Site ☐ Teams Chat

☒ Outlook

- ☒ Archive
- ☒ Inbox
- ☒ Drafts
- ☒ Sent Items
- ☒ Deleted Items
- ☒ Calendar
- ☒ Contacts
- ☒ Junk Email
- ☒ Notes
- ☒ RSS Feeds
- ☒ Tasks

From: yyyy-MM-dd To: yyyy-MM-dd Show

Name	Last Modified	Size
------	---------------	------

← → X ?

Items can also be filtered according to the received date. Set the From and To dates of the items then click **Show**.

2022-03-01 To 2022-03-20 Show

	From	Subject	Received	Size	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-20 14:10:14	135K	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-20 00:49:03	95K	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-19 06:59:14	107K	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-18 14:12:31	98K	
<input type="checkbox"/>	Microsoft 365 Message center	Weekly digest: Microsoft service updates	2022-03-07 13:03:59	323K	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-03 23:31:30	108K	



Specific items can also be selected. There is a preview function that will let you see the content so you can check if you want to restore it.

### Select Your Items To Be Restored

Choose from files as of job | 2022-06-09 | Latest | Jennifer Johnson (jjohnson@email.com)

Outlook | OneDrive | Personal Site | Teams Chat

2022-03-01 To 2022-03-20 Show

	From	Subject	Received	Size	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-20 14:10:14	135K	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-20 00:49:03	95K	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-19 06:59:14	107K	
<input type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-18 14:12:31	98K	
<input checked="" type="checkbox"/>	Microsoft 365 Message center	Weekly digest: Microsoft service updates	2022-03-07 13:03:59	323K	
<input checked="" type="checkbox"/>	Microsoft 365 Message center	Major update from Message center	2022-03-03 23:31:30	108K	

← → X ?

To do this click . In the Preview Email window you can restore and download the email by clicking **Quick Download** then **Continue**.

### Preview Email

Subject: a hello world  
Sender: Jennifer Johnson  
Receiver: Natalie Robinson  
CC: (none)  
Attachment: [globe.png](#)

---

world hello a hello world

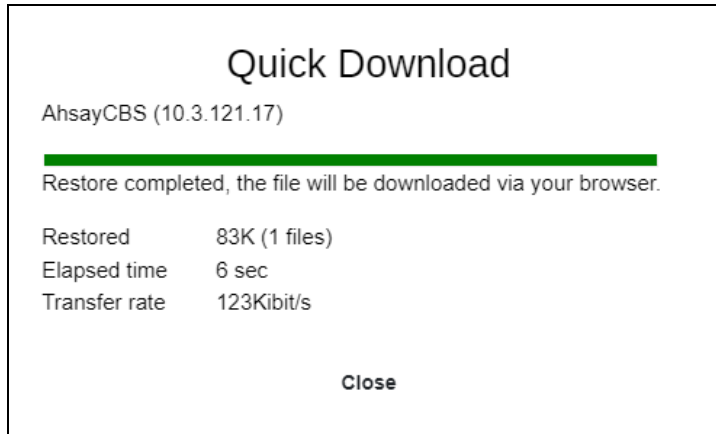
Quick Download Close

### Quick Download

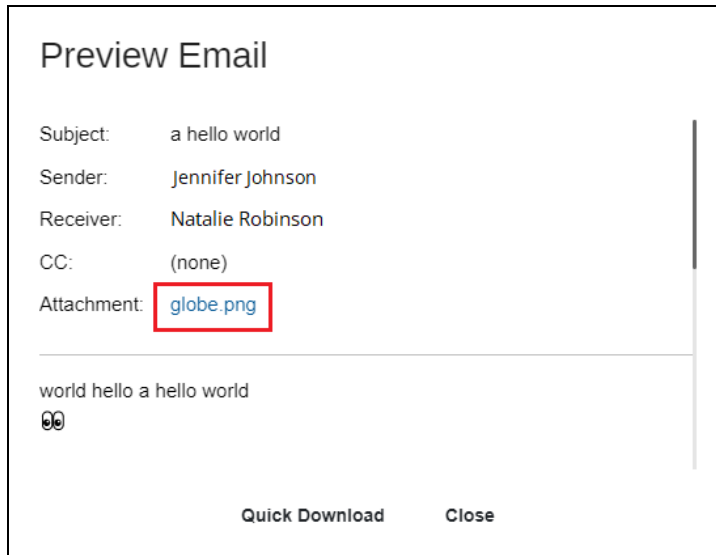
Proceed to restore and download this item along with all attachments?

Continue Back

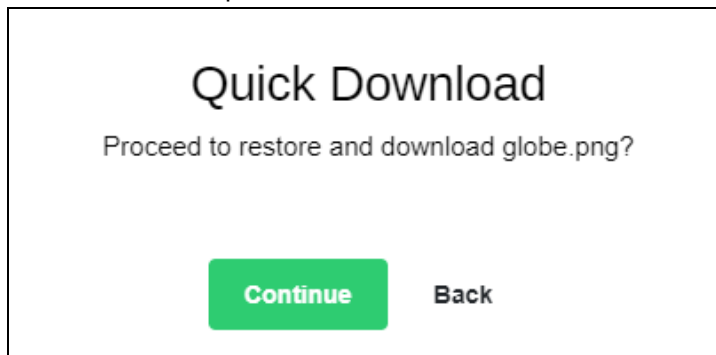
After the download is complete, a zip file will be created that contains the file. Click **Close** once done.



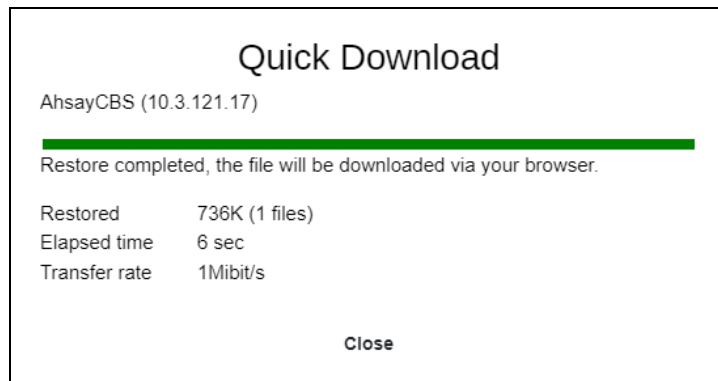
You can also download just the attachment by clicking on the attachment itself.



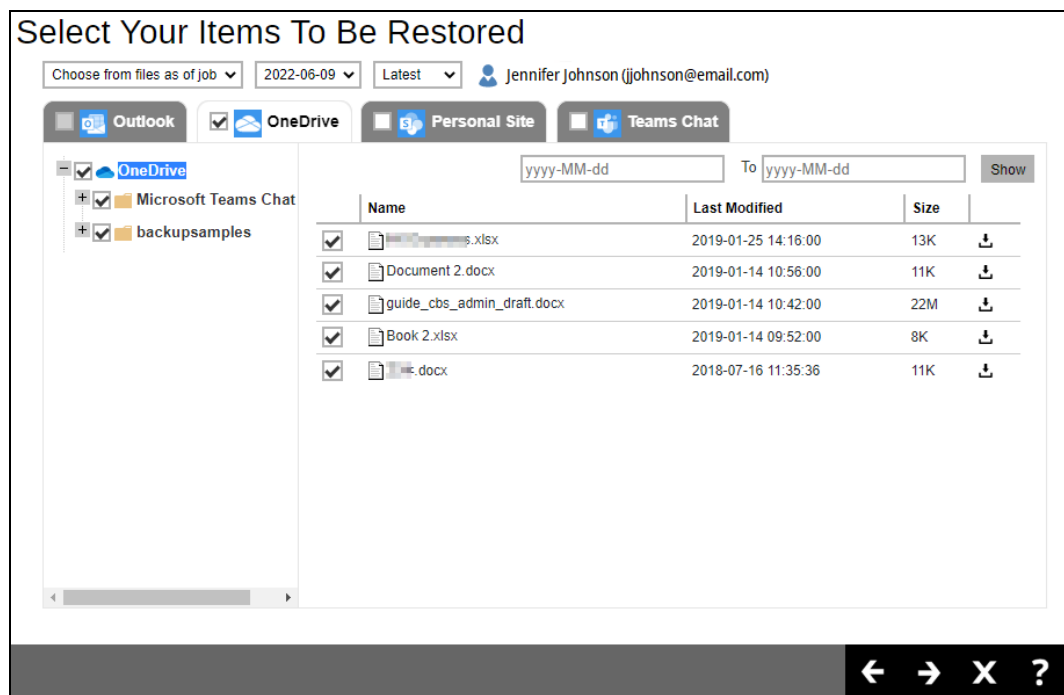
Click **Continue** to proceed.



Click **Close** once done.



If the checkbox beside OneDrive is ticked, then all the items under OneDrive will be restored.



Specific items can also be selected. There is a download function that will let you download the item.

### Select Your Items To Be Restored

Choose from files as of Job 2022-06-09 Latest Jennifer Johnson (jjohnson@email.com)

Outlook OneDrive Personal Site Teams Chat

yyyy-MM-dd To yyyy-MM-dd Show

OneDrive  
Microsoft Teams Chat  
backupsamples

	Name	Last Modified	Size	
<input checked="" type="checkbox"/>	File snapshot testing.txt	2022-05-18 10:28:58	7K	
<input checked="" type="checkbox"/>	SpreadSheet_x_152.xlsx	2020-08-11 11:14:06	23K	
<input checked="" type="checkbox"/>	SpreadSheet_x_153.xlsx	2020-08-11 11:14:06	23K	
<input type="checkbox"/>	version7_AhsayMOB_UserGuideAndroid.docx	2020-08-11 11:14:06	15K	
<input type="checkbox"/>	LogFile_2017.txt	2020-08-11 11:14:05	7K	
<input type="checkbox"/>	LogFile_2018.txt	2020-08-11 11:14:05	7K	
<input type="checkbox"/>	SpreadSheet_x_151.xlsx	2020-08-11 11:14:05	23K	
<input checked="" type="checkbox"/>	File snapshot testing1.txt	2020-08-11 11:14:04	7K	
<input checked="" type="checkbox"/>	File snapshot testing2.txt	2020-08-11 11:14:04	7K	
<input type="checkbox"/>	File snapshot testing3.txt	2020-08-11 11:14:04	7K	
<input type="checkbox"/>	File snapshot testing4.txt	2020-08-11 11:14:04	7K	
<input type="checkbox"/>	File snapshot testing5.txt	2020-08-11 11:14:04	7K	

← → X ?

Click to download the item. Click **Continue** to start the download and restore. After the download is complete, a zip file will be created that contains the file.

## Quick Download

Proceed to restore and download this file?

ContinueBack

### Quick Download

AhsayCBS (10.3.121.17)

Pending

Restored 0 (0 files)

Elapsed time 0 sec

Transfer rate 0bit/s

**Cancel**

### Quick Download

AhsayCBS (10.3.121.17)

Restore completed, the file will be downloaded via your browser.

Restored 21K (1 files)

Elapsed time 30 sec

Transfer rate 52Kibit/s

**Close**

If the checkbox beside Personal Site is ticked, then all the items under Personal Site will be restored.

### Select Your Items To Be Restored

Choose from files as of job  Latest

☒ Outlook ☒ OneDrive ☒ **Personal Site** ☐ Teams Chat

☒ **Personal Site**  To

☒ Lists and Libraries  
☒ Subsites

Name	Last Modified	Size
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← → X ?

Specific items can also be selected. There is a preview function that will let you see the content so you can check if you want to restore it. For instructions on how to use the preview function please refer to the [instructions](#) discussed above.

### Select Your Items To Be Restored

Choose from files as of job  Latest

☐ Outlook ☐ OneDrive ☐ Personal Site ☒ Teams Chat

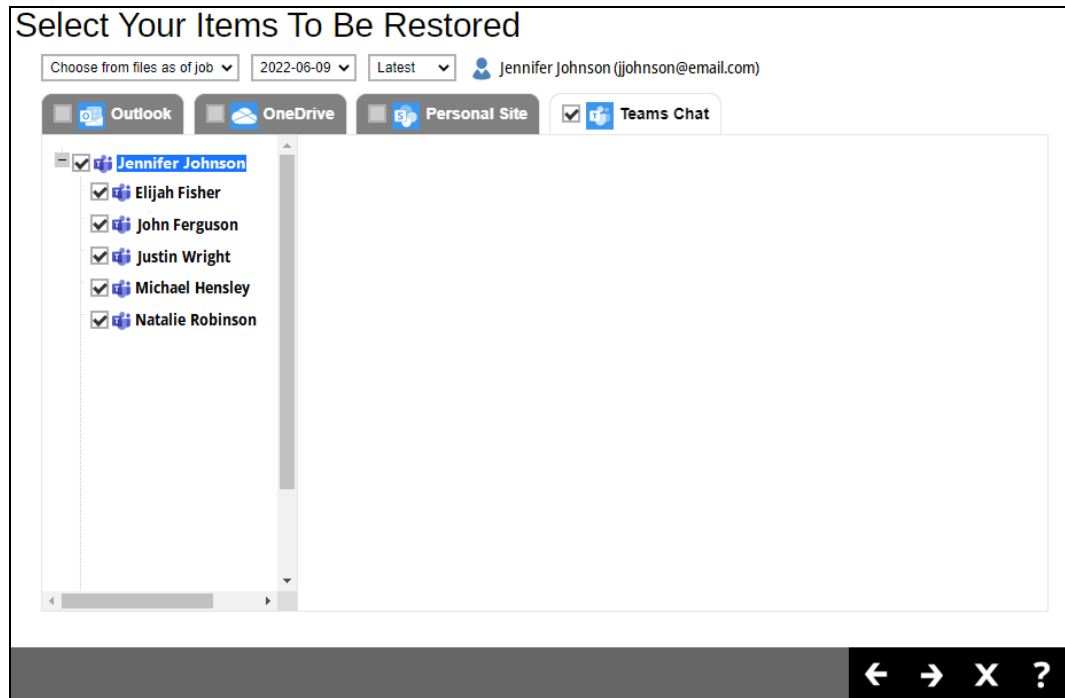
☐ Personal Site  To

☐ Lists and Libraries  
☐ Form Templates  
☐ Social  
☒ Style Library  
☒ **Media Player**  
☐ Subsites

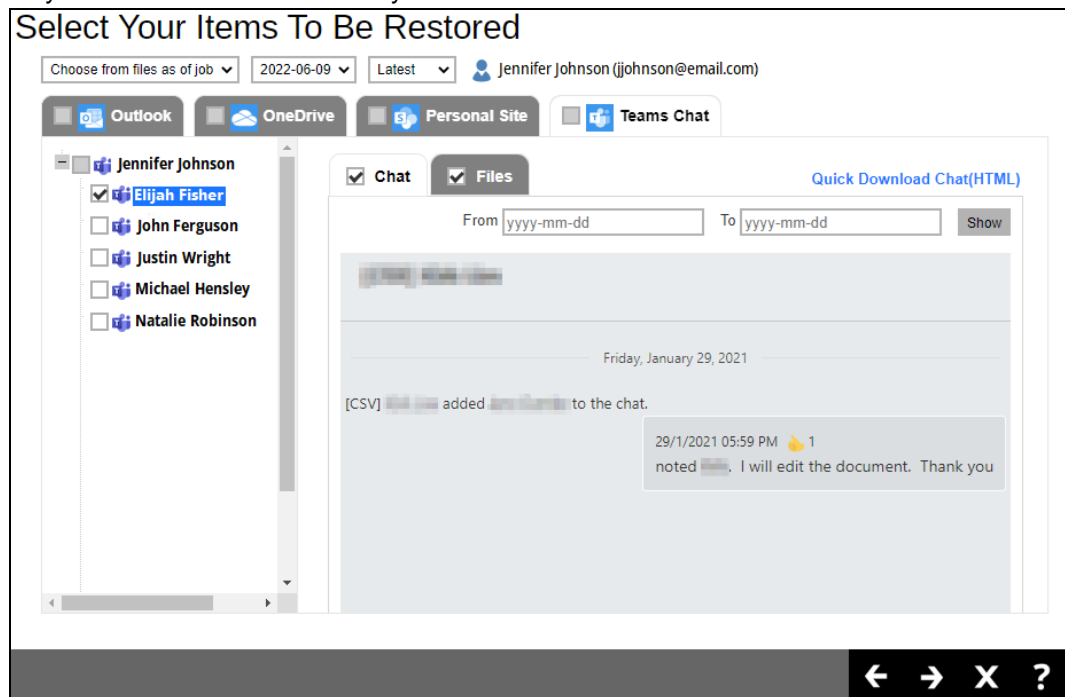
	Name	Last Modified	Size	
<input type="checkbox"/>	AlternateMediaPlayer.xaml	2018-07-16 11:35:50	35K	
<input checked="" type="checkbox"/>	AudioPreview.png	2018-07-16 11:35:50	13K	
<input checked="" type="checkbox"/>	MediaWebPartPreview.png	2018-07-16 11:35:50	6K	
<input checked="" type="checkbox"/>	VideoPreview.png	2018-07-16 11:35:50	7K	

← → X ?

If the checkbox beside Teams Chat is ticked, then all the items under Teams Chat will be restored.



Specific items can also be selected to be restored. There is a download function that will let you download the chat directly. Click the [Quick Download Chat\(HTML\)](#) link.



#### NOTE

Teams chat will not be restored to the original thread. Instead, it will only be restored as data export in HTML format stored in the local machine or OneDrive.

Click **Continue** to start the download and restore. Click **Close** once done.

## Quick Download

Proceed to restore and download this file?

**Continue** **Back**

## Quick Download

AhsayCBS (10.3.121.17)

Restore completed, the file will be downloaded via your browser.

Restored	1.27M (0 files)
Elapsed time	6 sec
Transfer rate	0bit/s

**Close**

Click  to proceed.



## From Teams

Click on the Group that will be restored. There is also a search function if there are many Groups listed.

### Select Your Data To Be Restored

☐ Users ☒ Teams ☐ SharePoint Sites ☐ Public Folders

Apexmobile (apexmobile@email.com)

Signalbooks (signalbooks@email.com)

Select the item(s) you would like to restore. You can also choose to restore backed up file from a specific backup job of your choice using the drop-down menu at the top.

If the checkbox beside Group Mail is ticked, then all the items under Group Mail will be restored.

### Select Your Items To Be Restored

Choose from files as of job

2022-06-09

Latest

Apexmobile (apexmobile@email.com)

☒ Group Mail ☐ Group Site ☐ Teams Channel

Outlook

Archive

Inbox

Drafts

Sent Items

Deleted Items

Calendar

Contacts

Junk Email

Notes

Tasks

yyyy-MM-dd

To yyyy-MM-dd

Show

Name	Last Modified	Size
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←

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X

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www.ahsay.com

124

## Select Your Items To Be Restored

Choose from files as of job ▼ 2022-06-09 ▼ Latest ▼ Apexmobile (apexmobile@email.com)

☐ Group Mail
 ☐ Group Site
 ☐ Teams Channel

Outlook

☐ Archive
 ☐ Inbox
 ☐ Drafts
 ☐ Sent Items
 ☐ Deleted Items
 ☐ Calendar
 ☐ Contacts
 ☐ Junk Email
 ☐ Notes
 ☐ Tasks

From


Subject


Received


Size


<input type="checkbox"/>	[CSV] Comments on task "Wiki to update when 9.1.4.0 released"	2022-05-27 10:36:42	38K	
<input checked="" type="checkbox"/>	[CSV] Comments on task "Wikis to update when 8.7 released"	2022-05-27 10:35:50	38K	
<input checked="" type="checkbox"/>	[CSV] RE: Comments on task "@220406 retest MS System State restore procedure"	2022-04-19 10:51:11	44K	
<input checked="" type="checkbox"/>	[CSV] Comments on task "@220406 retest MS System State restore procedure"	2022-04-19 10:51:03	36K	
<input type="checkbox"/>	[CSV] Comments on task "GetBackupSet.do, missing "Statistics[]" and "DestinationList[]"	2022-01-12 17:00:01	39K	
<input type="checkbox"/>	[CSV] Comments on task "Create CBK WIKI - New Features"	2021-12-29 15:14:51	39K	
<input type="checkbox"/>	RE: Comments on task "CBK WIKI, update https://wiki.cloudbacko.com/doku.php?id=public.faq.how_to_upgrade_to_cloudbacko_pro_backup_software_version_5"	2021-12-29 14:29:50	45K	
<input type="checkbox"/>	[CSV] Comments on task "CBK WIKI, update https://wiki.cloudbacko.com/doku.php?id=public.faq.how_to_upgrade_to_cloudbacko_pro_backup_software_version_5"	2021-12-29 14:26:06	39K	


# Select Your Items To Be Restored


Choose from files as of job ▼ 2022-06-09 ▼ Latest ▼  Apexmobile (apexmobile@email.com)


☐  Group Mail

☒  Group Site

☐  Teams Channel

☒  Group Site

☒  Lists and Libraries

☒  Subsites

yyyy-MM-dd

To yyyy-MM-dd

Show

Name	Last Modified	Size
------	---------------	------

←

→

X

?

Specific items can also be selected. There is a preview function that will let you see the content so you can check if you want to restore it. For instructions on how to use the preview function please refer to the [instructions](#) discussed in the previous sub-chapter.

### Select Your Items To Be Restored

Choose from files as of job | 2022-06-09 | Latest | Apexmobile (apexmobile@email.com)

☐ Group Mail ☐ Group Site ☒ Teams Channel

yyyy-MM-dd To yyyy-MM-dd Show

	Name	Last Modified	Size	
<input checked="" type="checkbox"/>	__sitelcon__.jpg	2022-06-06 09:34:51	12K	
<input type="checkbox"/>	__sitelcon__.png	2022-03-31 11:10:47	618	

Group Site

- Lists and Libraries
  - CONTENT SCHE
  - Form Templates
  - Documents
  - Site Assets
    - KMT Notebook
  - Site Pages
  - Style Library
  - Teams Wiki Data
  - WORK PROGRE
  - Work progress tr
- Subsites

Navigation: < > X ?

If the checkbox beside Teams Channel is ticked, then all the items under Teams Channel will be restored.

### Select Your Items To Be Restored

Choose from files as of job | 2022-06-09 | Latest | Apexmobile (apexmobile@email.com)

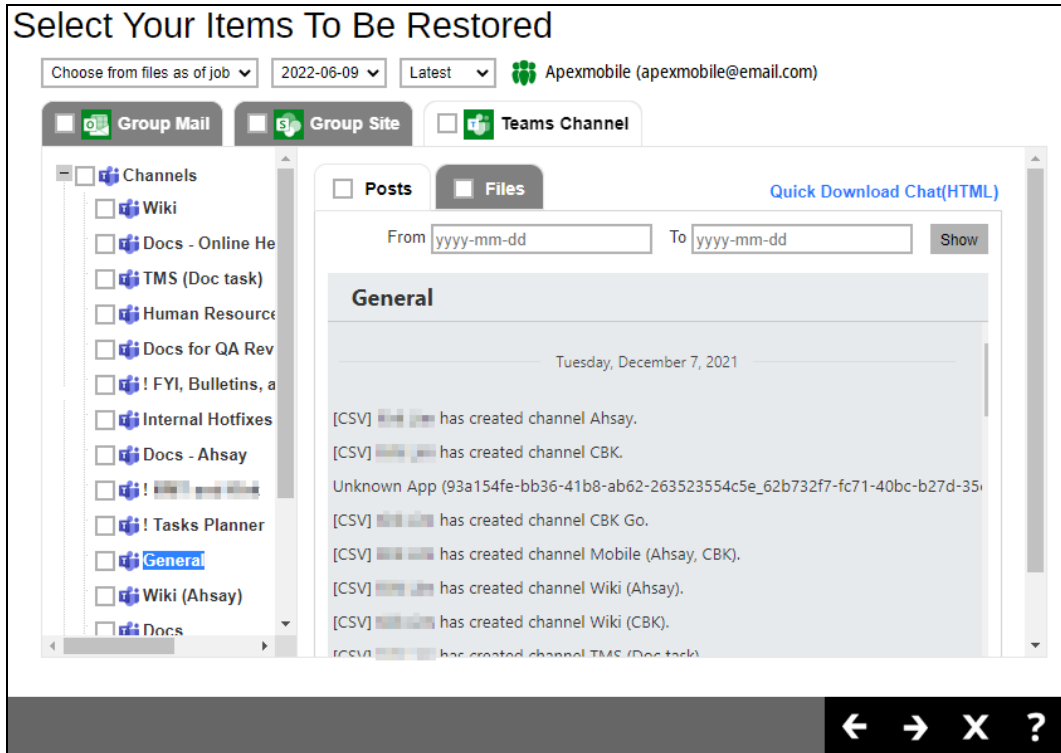
☐ Group Mail ☐ Group Site ☒ Teams Channel

☒ Channels

- ☒ Wiki
- ☒ Docs - Online He
- ☒ TMS (Doc task)
- ☒ Human Resource
- ☒ Docs for QA Rev
- ☒ ! FYI, Bulletins, a
- ☒ Internal Hotfixes
- ☒ Docs - Ahsay
- ☒ !
- ☒ ! Tasks Planner
- ☒ General
- ☒ Wiki (Ahsay)
- ☒ Docs

Navigation: < > X ?

Specific items can also be selected to be restored. There is a download function that will let you download the item directly. For instructions on how to use the download function please refer to the [instructions](#) discussed above.

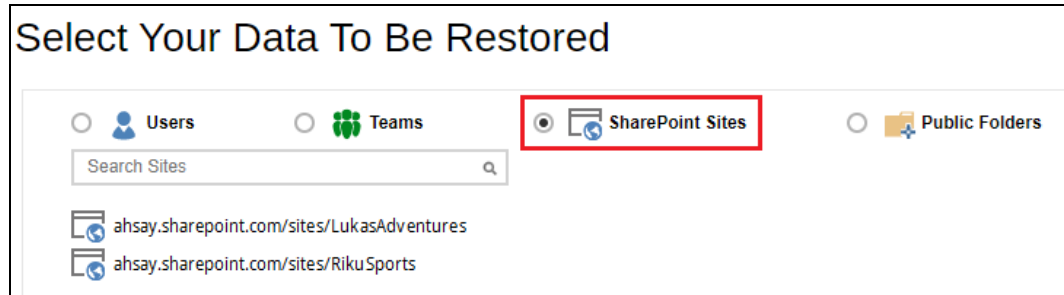


#### NOTE

Posts in Teams Channel will not be restored to the original thread. Instead, it will only be restored as data export in HTML format stored in the local machine or OneDrive.

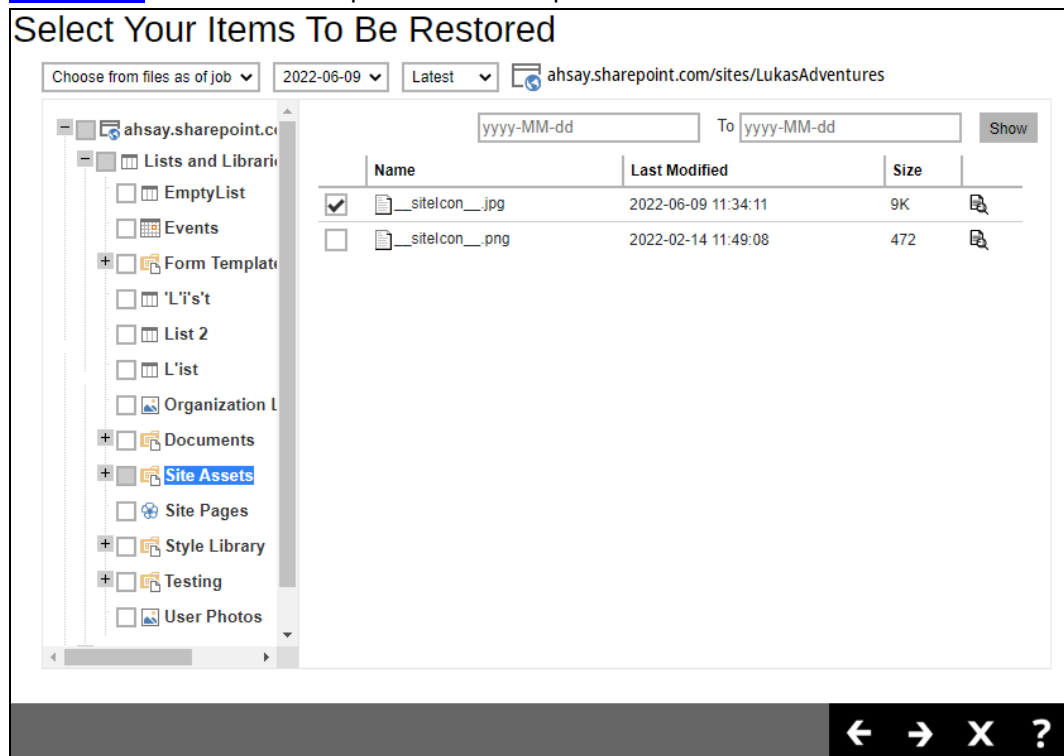
## From SharePoint Sites

Click on the Sites that will be restored. There is also a search function if there are many Sites listed.



Select the item(s) you would like to restore. You can also choose to restore backed up file from a specific backup job of your choice using the drop-down menu at the top.

There is a preview function that will let you see the content so you can check if you want to restore it. For instructions on how to use the preview function please refer to the [instructions](#) discussed in the previous sub-chapter.



## From Public Folders

Click on the Public Folder that will be restored. There is also a search function if there are many Public Folders listed.

Here are sample screenshots for:

AhsayOBM

Select Your Data To Be Restored

☐ Users ☐ Teams ☐ SharePoint Sites ☒ Public Folders

Search Public Folders

- GSA\_Pub\_001
- GSU\_Pub\_001
- JSO\_Pub\_002

AhsayACB

Select Your Data To Be Restored

☐ Users ☒ Public Folders

Search Public Folders

- GSA\_Pub\_001
- GSU\_Pub\_001
- JSO\_Pub\_001
- GSA\_Pub\_002
- GSU\_Pub\_002
- JSO\_Pub\_002

Select the item(s) you would like to restore. You can also choose to restore backed up file from a specific backup job of your choice using the drop-down menu at the top. There is a download function that will let you download the item. For instructions on how to use the download function please refer to the [instructions](#) discussed in the previous sub-chapter

Select Your Items To Be Restored

Choose from files as of job 2022-06-21 Latest GSA\_Pub\_001

☐ GSA\_Pub\_001

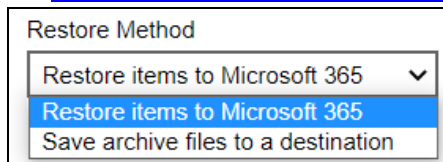
yyyy-MM-dd To yyyy-MM-dd Show

	Name	Last Modified	Size	
<input type="checkbox"/>	TEST attachments	2022-06-20 14:14:53	8M	<a href="#">Download</a>
<input type="checkbox"/>	TEST attachments	2022-06-20 14:14:46	8M	<a href="#">Download</a>
<input type="checkbox"/>	Test - New Public Folder Post (2017-11-05) - 2	2022-06-20 14:14:39	5K	<a href="#">Download</a>
<input type="checkbox"/>	Test - New Public Folder Post (2017-11-05) - 2	2022-06-20 14:14:32	5K	<a href="#">Download</a>
<input type="checkbox"/>	test1	2022-06-20 14:14:26	3K	<a href="#">Download</a>

← → X ?

5. Select the location where the data will be restored.

The choices for the restore location that will be displayed depends on the data and restore method selected. There are two restore methods available: [Restore items to Microsoft 365](#) and [Save archive files to a destination](#).



If [Restore items to Microsoft 365](#) is selected, there are three options for the restore location:

- [Original](#)
- [Alternate](#)
- [Alternate Microsoft 365 organization](#)

---

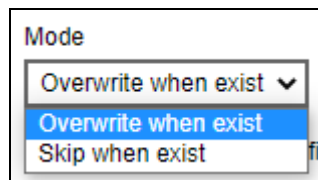
• **Original**

To restore to Original, select **Original**.

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



• **Mode**



There are two choices for the mode:

- **Overwrite when exist**

If the data that you will be restoring is already available in the Microsoft 365 account, then you have a choice to overwrite the existing data.

- **Skip when exist**

If the data you will be restoring is already available in the Microsoft 365 account, then you have a choice to skip and move to the next one

• **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.

Click  to start the restoration.

Here are examples for the different data types:

#### Users

### Choose Where The Items To Be Restored

Restore Method

Restore items to Microsoft 365 ▼

Restore Location

☒ Original Users

☐ Alternate Users

☐ Alternate Microsoft 365 organization

[Show advanced option](#)

#### Teams

### Choose Where The Items To Be Restored

Restore Method

Restore items to Microsoft 365 ▼

Restore Location

☒ Original Groups

☐ Alternate Groups

☐ Alternate Microsoft 365 organization

[Show advanced option](#)

#### Sharepoint Sites

### Choose Where The Items To Be Restored

Restore Method

Restore items to Microsoft 365 ▼

Restore Location

☒ Original Site Collections

☐ Alternate Site Collections

☐ Alternate Microsoft 365 organization

[Show advanced option](#)



## Public Folders

### Choose Where The Items To Be Restored

Restore Method

Restore items to Microsoft 365

Restore Location

☒ Original Public Folders

☐ Alternate Public Folders

☐ Alternate Microsoft 365 organization

Show advanced option

### • Alternate

To restore to alternate user/group/site/public folder, select **Alternate**.

To configure other restore settings please refer to the instructions discussed [above](#).


Click  to proceed.

Restore Location

☐ Original Users

☒ Alternate Users

☐ Alternate Microsoft 365 organization

Select the alternate user/group/site then click  to start the restoration.

Here are examples for the different data types:

### Users


### Choose User






Search Users

- Elijah Fisher (efisher@email.com)
- Jasmine James (jjames@email.com)
- Jennifer Johnson (jjohnson@email.com)
- John Ferguson (jferguson@email.com)
- Justin Wright (jwright@email.com)
- Kayla Rose (krose@email.com)
- Lester Warner (lwarner@email.com)
- Michael Hensley (mhensley@email.com)

## Teams


### Choose Team









Search Groups 

-  Apexmobile (apexmobile@email.com)
-  Basekix (basekix@email.com)
-  Dappertrain (dappertrain@email.com)
-  Flexidev (flexidev@email.com)
-  Nuttermeet (nuttermeet@email.com)

## SharePoint Sites


### Choose Site







Search Sites 

-  ahsay.sharepoint.com
-  ahsay.sharepoint.com/sites/AxelVideos
-  ahsay.sharepoint.com/sites/CenturyCorp
-  ahsay.sharepoint.com/sites/DecemberAdvisor
-  ahsay.sharepoint.com/sites/EscapeRoom
-  ahsay.sharepoint.com/sites/GoWakeUp
-  ahsay.sharepoint.com/sites/IskoExplorers
-  ahsay.sharepoint.com/sites/PeanutInc

## Public Folders

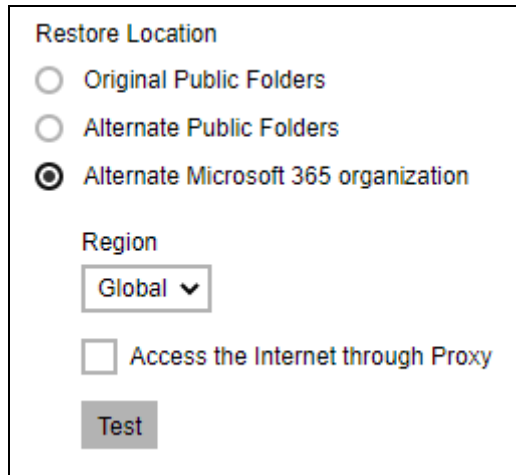
### Choose Public Folders

Search Public Folders 

-  GSA\_Pub\_001
-  GSA\_Pub\_002
-  GSO\_Pub\_001
-  GSO\_Pub\_002
-  GSU\_Pub\_001
-  GSU\_Pub\_002

### • Alternate Microsoft 365 organization

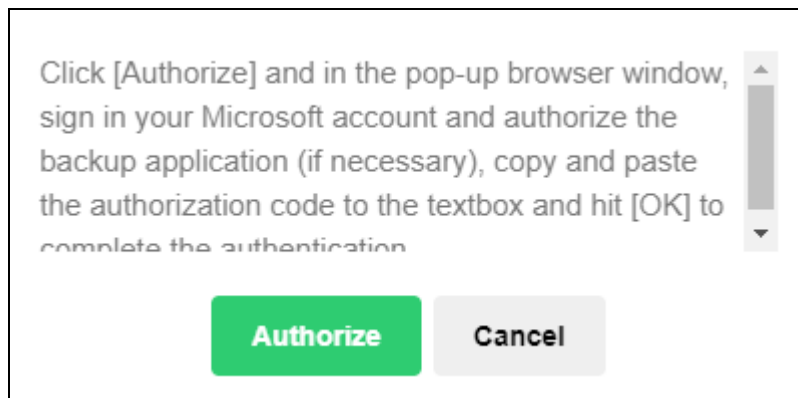
To restore to an alternate Microsoft 365 organization, select **Alternate Microsoft 365 organization**. Then select the **Region**.




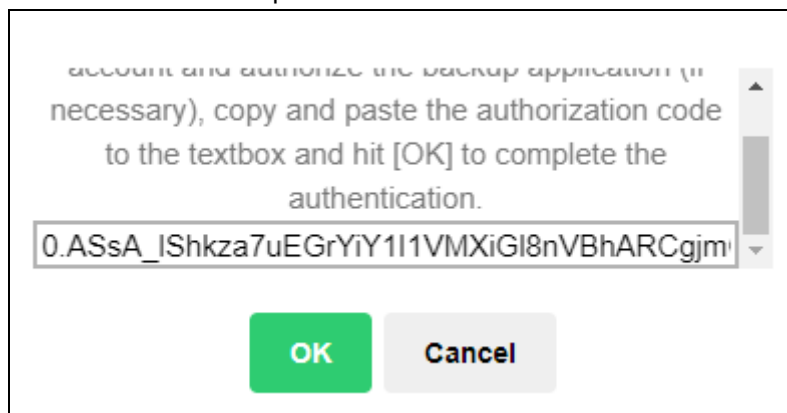
To configure other restore settings please refer to the instructions discussed [above](#).

Click **Test**.

Click **Authorize**.



Login to your Microsoft 365 account then copy and paste the authorization code then click **OK**. Click  to proceed.





Select the alternate user/team/site/public folder then click  to start the restoration.


Here are examples for the different data types:


#### Users


## Choose User


 Arata Teo (ateo@email.com)


 Christina Hans (chans@email.com)


 Edvin Sitaram (esitaram@email.com)

 Florentia Folcher (ffolcher@email.com)

 Lia Helene (lhelene@email.com)


 Llew Yannig (lyannig@email.com)


 Kalyana Kazimir (kkazimir@email.com)


 Reshma Adrian (radrian@email.com)


#### Teams


## Choose Team


 BlueBulls (bluebulls@email.com)


 FreeThinkers (freethinkers@email.com)


 FullSpectrum (fullspectrum@email.com)

 GeckoChuckers (geckochuckers@email.com)

 LuckyStrings (luckystrings@email.com)









 MuffinBlazers (muffinblazers@email.com)

 NightSonic (nightsonic@email.com)

 RelayRacers (relayracers@email.com)









## SharePoint Sites

### Choose Site

-  ahsay.sharepoint.com
-  ahsay.sharepoint.com/sites/BananaFactory
-  ahsay.sharepoint.com/sites/FarFarAway
-  ahsay.sharepoint.com/sites/LittleBeetle
-  ahsay.sharepoint.com/sites/LukasAdventures
-  ahsay.sharepoint.com/sites/MangroveSaver
-  ahsay.sharepoint.com/sites/OptimumMax
-  ahsay.sharepoint.com/sites/RikuSports

## Public Folders

### Choose Public Folders

-  XYZ\_Pub\_001
-  XYZ\_Pub\_002
-  XYZ\_Pub\_003
-  XYZ\_Pub\_004
-  XYZ\_Pub\_005
-  XYZ\_Pub\_006
-  XYZ\_Pub\_007
-  XYZ\_Pub\_008

If Save archive files to a destination is selected, there are three options for the restore location:

- ▶ [Local](#)
- ▶ [OneDrive of Original Microsoft 365 organization](#)
- ▶ [OneDrive of Alternate Microsoft 365 organization](#)

---

#### ▶ Local


Restore to Local is available for all data types. To restore to Local, select **Local**.

### Choose Where The Items To Be Restored

Restore Method

Save archive files to a destination ▼

MS Teams Chat/Channel will be exported into HTML.

 Emails will be exported into PST.

SharePoint Sites lists will be exported into CSV.

Restore Location

Local ▼

[Show advanced option](#)

← ↺ ✕ ?


To configure other restore settings click **Show advanced option**.

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

[Hide advanced option](#)

#### 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.

Click  to start the restoration.

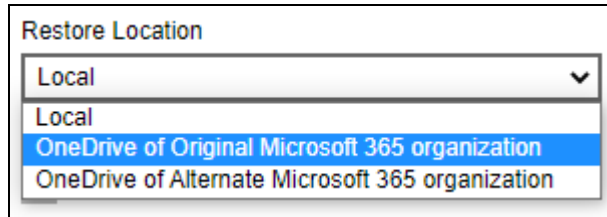
#### NOTE

For AhsayACB, restore location that will be available is only Local.

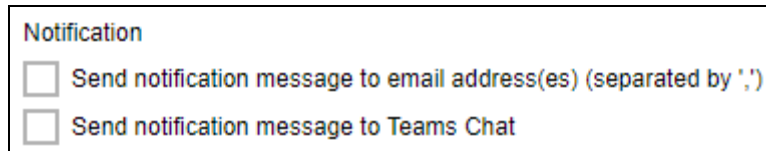
### OneDrive of Original Microsoft 365 organization

Restore to OneDrive of original Microsoft 365 organization is only available for the following data types: Users and Teams.

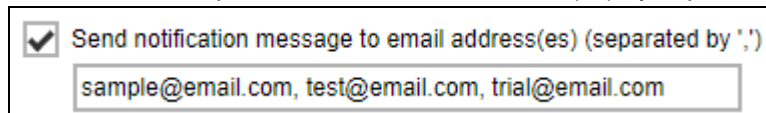
Select **OneDrive of Original Microsoft 365 organization** from the dropdown menu.



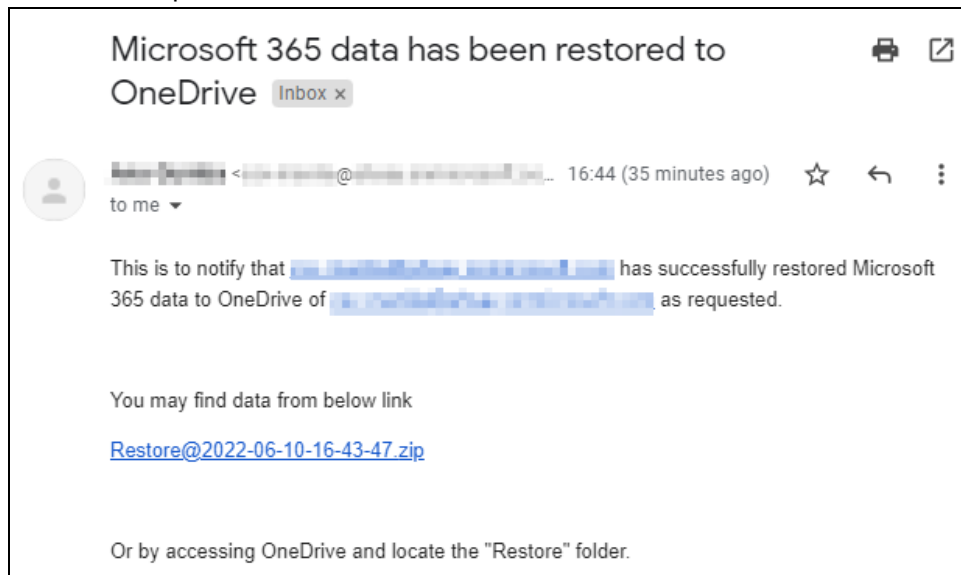
Users can be notified if an item is restored to their OneDrive. You can opt to send the notification message by email and/or to Teams Chat.



If you prefer to send the notification by email, provide the email address where it will be sent. You can provide several email address(es) by separating it with a comma.



Here is a sample of the email notification that will be sent.

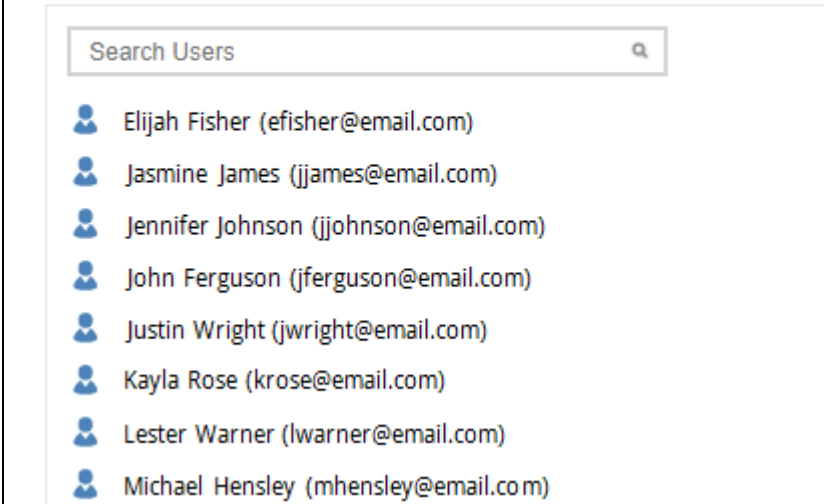


To configure other restore settings please refer to the instructions [above](#).

Click  to proceed.

Select the user. Then click  to start the restoration.

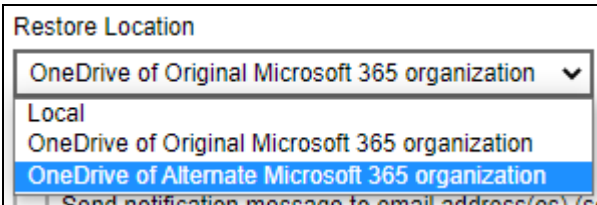
## Choose User



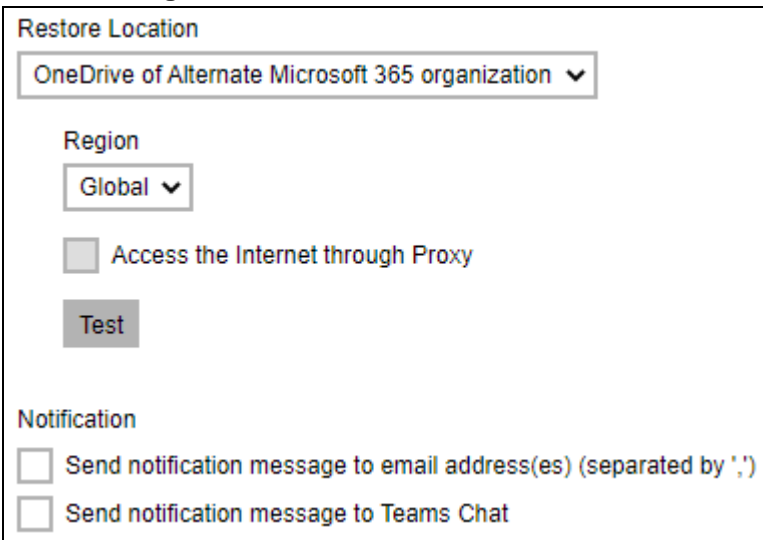
### OneDrive of Alternate Microsoft 365 organization

Restore to OneDrive of alternate Microsoft 365 organization is only available for the following data types: Users and Teams.

Select **OneDrive of Alternate Microsoft 365 organization** from the dropdown menu.



Select the **Region**.

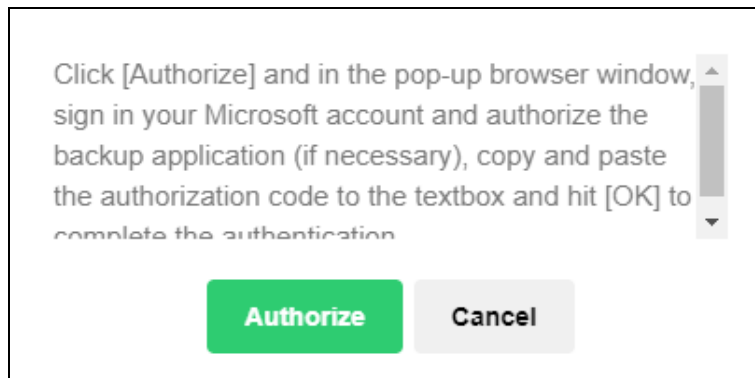


To configure notification settings please see instructions [above](#).

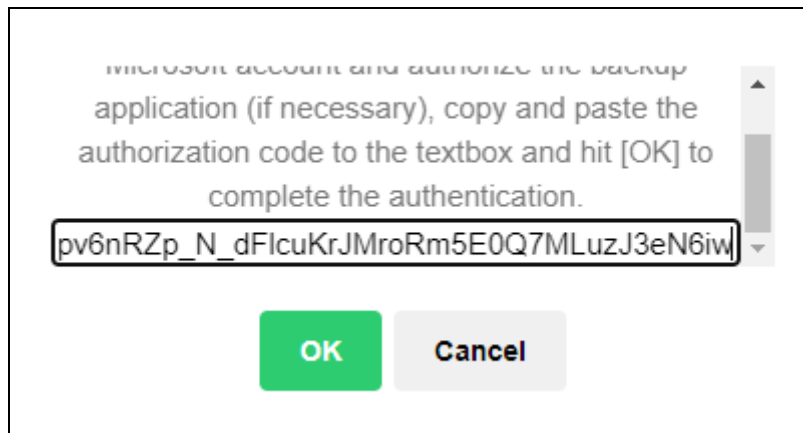
Click **Test**.



Click **Authorize**.

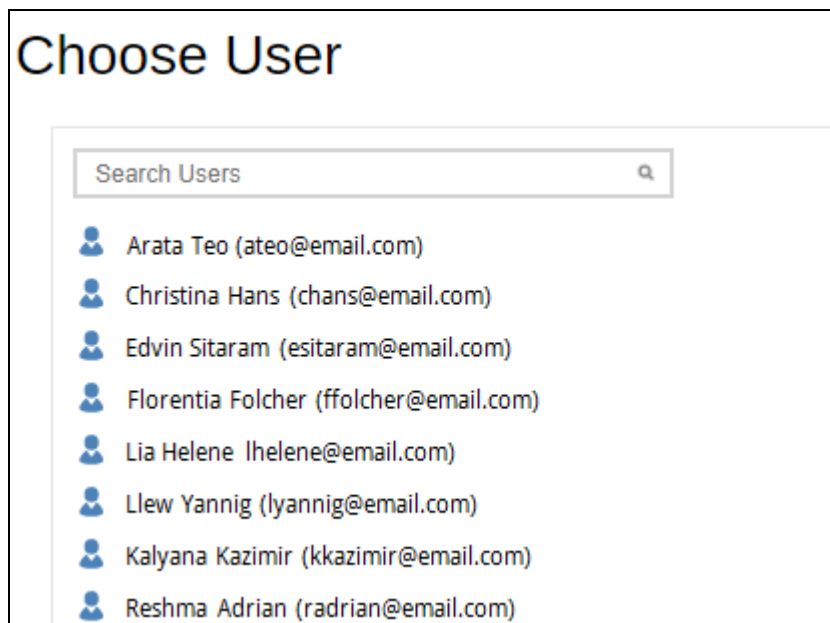



Login to your Microsoft 365 account then copy and paste the authorization code then click **OK**.

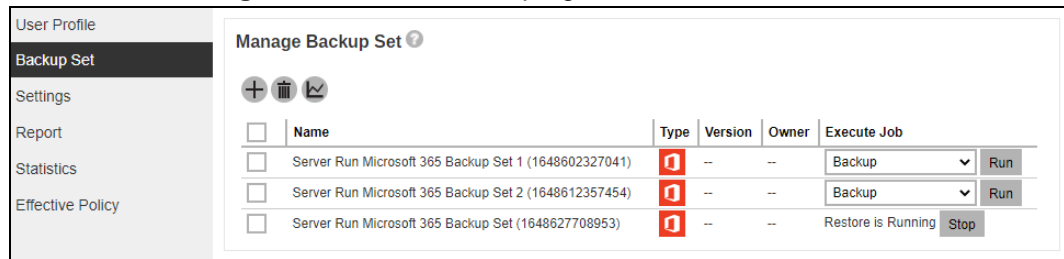


Click  to proceed.

Select the user. Then click  to start the restoration.

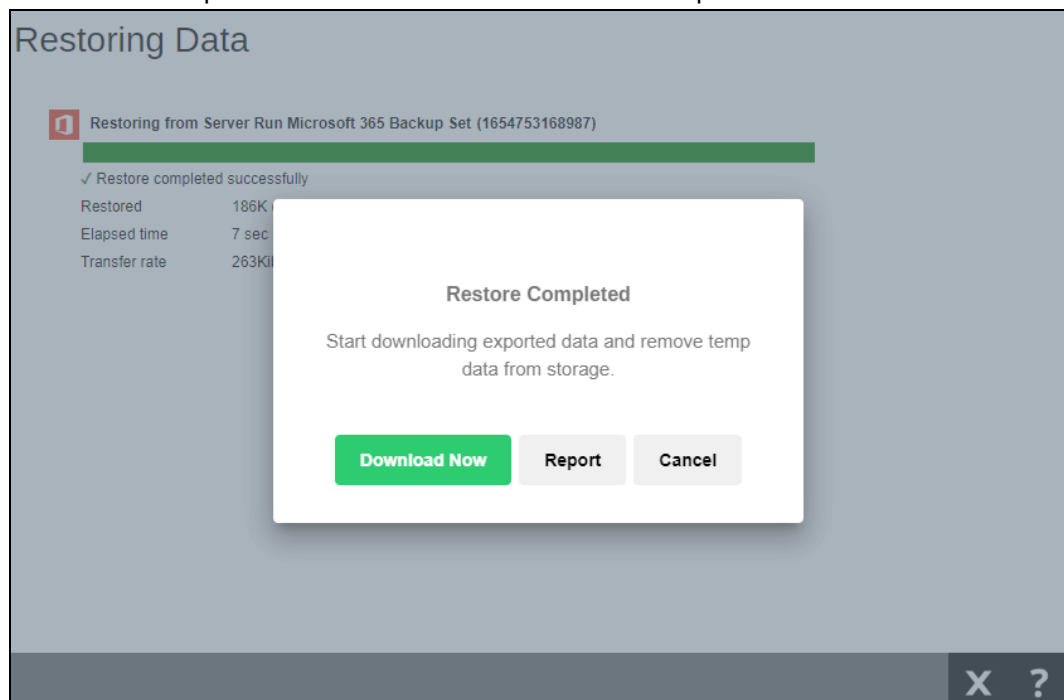


6. Click  to go back to the Manage Backup Set screen and you will see the status showing **Restore is Running** when the restore is in progress.



<input type="checkbox"/>	Name	Type	Version	Owner	Execute Job
<input type="checkbox"/>	Server Run Microsoft 365 Backup Set 1 (1648602327041)		--	--	Backup <input type="button" value="Run"/>
<input type="checkbox"/>	Server Run Microsoft 365 Backup Set 2 (1648612357454)		--	--	Backup <input type="button" value="Run"/>
<input type="checkbox"/>	Server Run Microsoft 365 Backup Set (1648627708953)		--	--	Restore is Running <input type="button" value="Stop"/>

This step will **only** be displayed when **Save archive files to a destination** is selected as the restore method. Once restore is completed, click **Download Now** if you want to download the exported data. The data will be saved in a zip file.



Restoring from Server Run Microsoft 365 Backup Set (1654753168987)

✓ Restore completed successfully

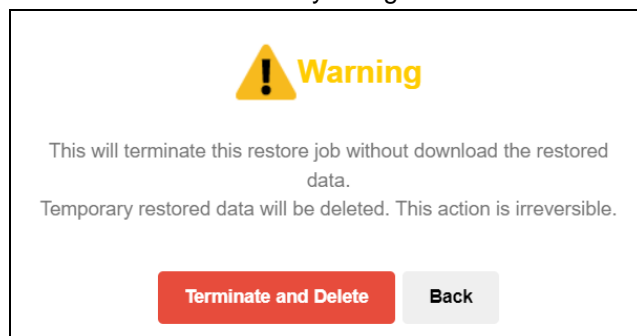
Restored 186K  
Elapsed time 7 sec  
Transfer rate 263K/s


**Restore Completed**

Start downloading exported data and remove temp data from storage.

Click **Report** if you want to view the report, the report will be generated in pdf format.

Otherwise click **Cancel**, To stop the restore job and delete temporary restored data, click **Terminate and Delete**. By doing so the restore will not finish.

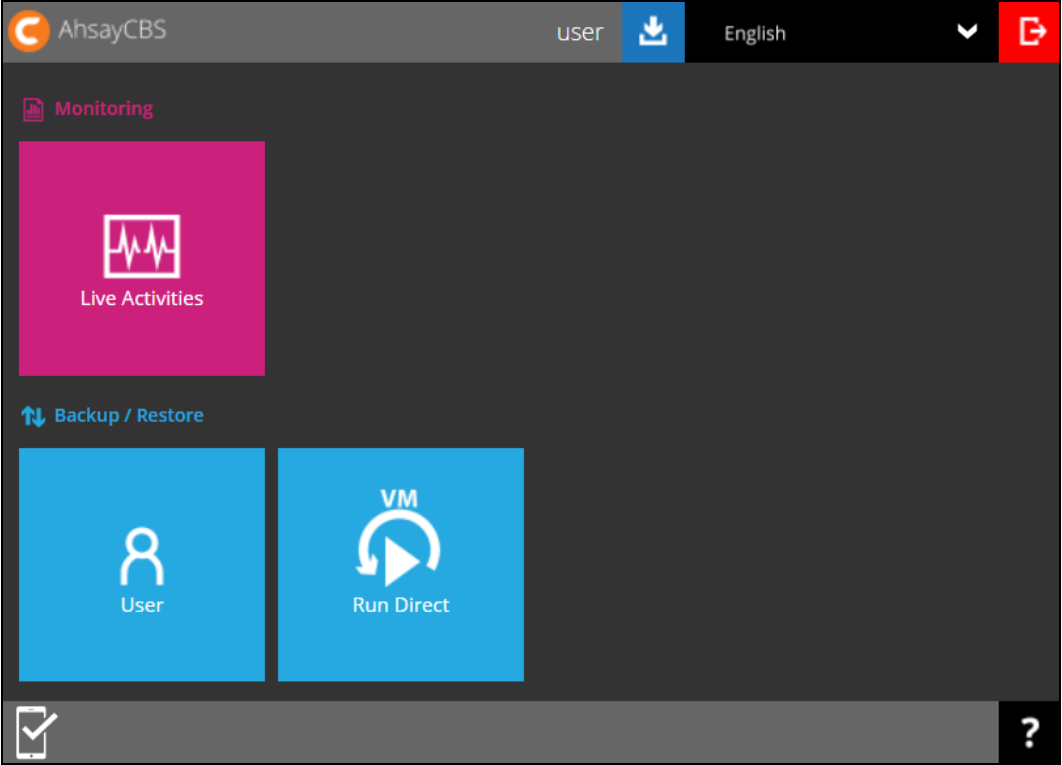


 **Warning**

This will terminate this restore job without download the restored data.

Temporary restored data will be deleted. This action is irreversible.

Another way to monitor the restore status is from the **Live Activities**.



Backup Status

Restore Status

All restore jobs that are currently running.

Restore Status

Login Name (Alias)	Owner	Backup Set	Destination	Progress	Estimated Time Left	Current File	Transfer Rate
user ()	--	Server Run Microsoft 365 Backup Set	AhsayCBS	<div><div></div></div> 100 %	0 sec		0bit/s

## 7 Running a Data Integrity Check

Data Integrity Check can be done in two (2) ways.

- **AhsayOBM / Ahsay ACB User**

This option allows the AhsayOBM and AhsayACB users to perform data integrity check, but the report of the result cannot be reviewed. It will only be available upon request from your backup service provider.

Please contact your backup service provider for more information.

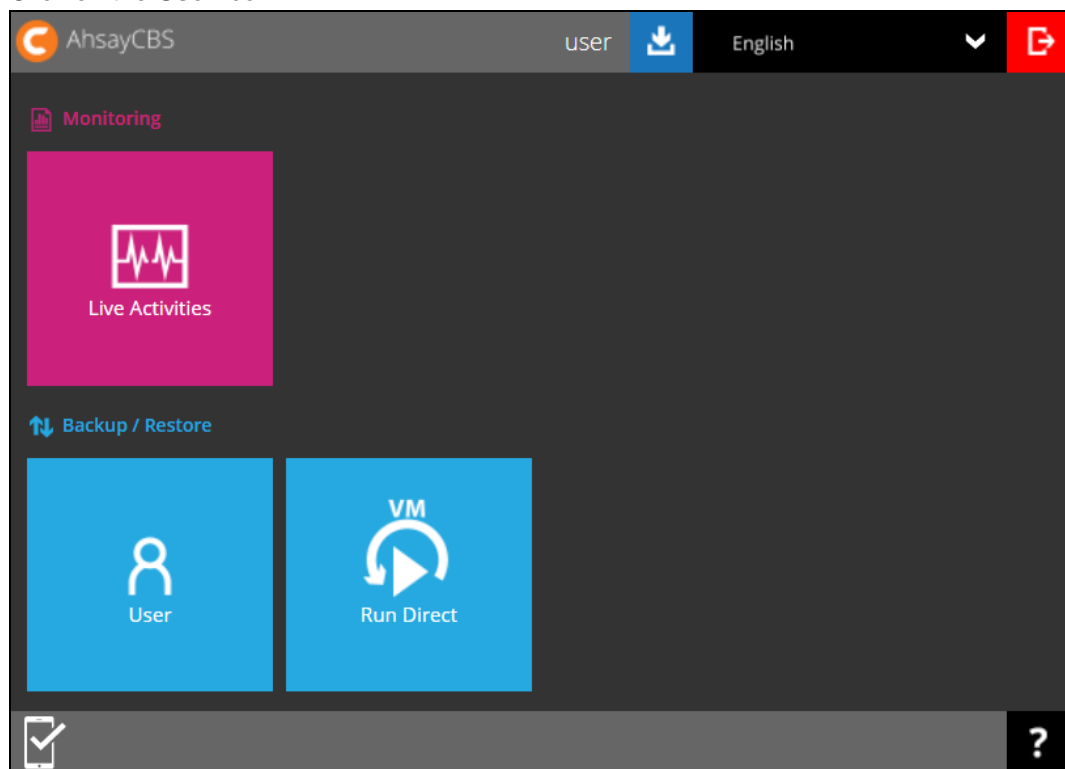
- **Backup Service Provider**

This is the recommended option, the AhsayOBM and AhsayACB users to request their backup service provider to perform data integrity check and provide them with a report of the results and/or solution.

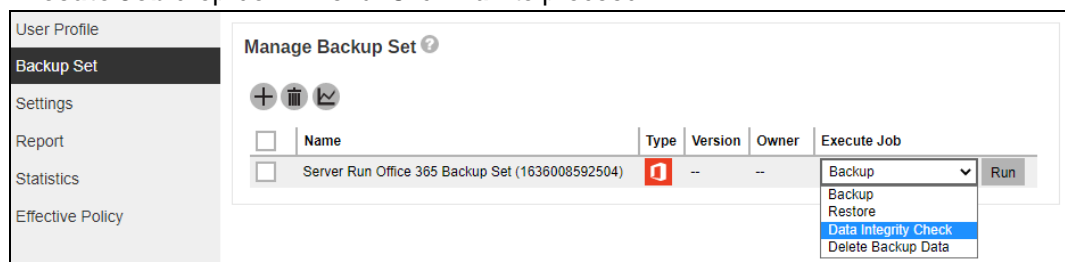
1. Log in to the User Web Console.

For instructions on how to do this please refer to [Chapter 2](#) of the AhsayCBS v9 User Guide.

2. Click on the **User** icon.



3. Select **Backup Set** from the left panel, then select **Data Integrity Check** under the **Execute Job** drop-down menu. Click **Run** to proceed.



### Run Cyclic Redundancy Check (CRC)

This option is disabled by default. When this option is enabled, the Data Integrity Check will perform check on the integrity of the files on the backup destination(s) against the checksum file generated at the time of the backup job.

If there is a discrepancy, this indicates that the files on the backup destination(s) are corrupted. These corrupted files will be removed from the backup destination(s). If these files still exist on the backup server on the next backup job, the AhsayCBS will upload the latest copy.

However, if the corrupted files are in the retention area, they will not be backed up again as the source file has already been deleted from the backup server.

### Rebuild index

This option is disabled by default. When this option is enabled, the Data Integrity Check will start rebuilding corrupted index and/or broken data blocks if there are any.

### Delete corrupted data blocks permanently


This option is disabled by default. When this option is enabled, the Data Integrity Check will delete the corrupted data blocks permanently instead of moving it to the Recycle Bin.

## Data Integrity Check

☐ Run Cyclic Redundancy Check (CRC) during data integrity check

☐ Rebuild index

☐ Delete corrupted data blocks permanently

4. Click the  icon to begin the data integrity check process.

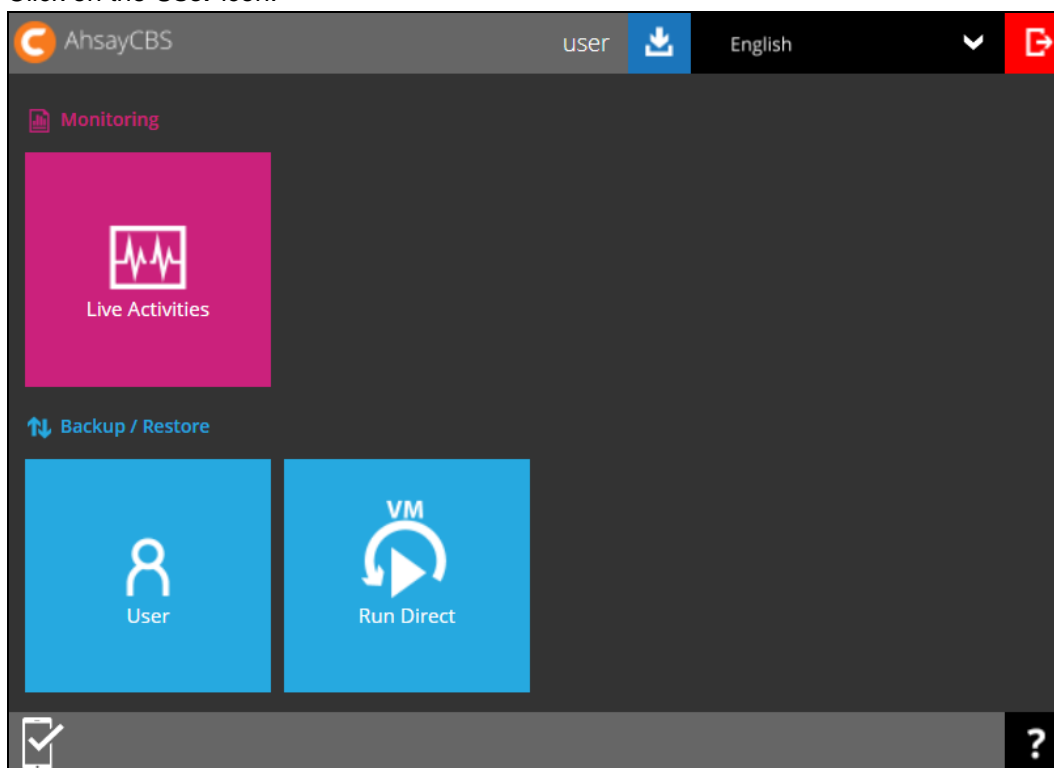
During a backup job, a Periodic Data Integrity Check (PDIC) will be performed as part of the backup process. This feature provides an additional regular data integrity check of the backup data.

## 8 Deleting Backup Data

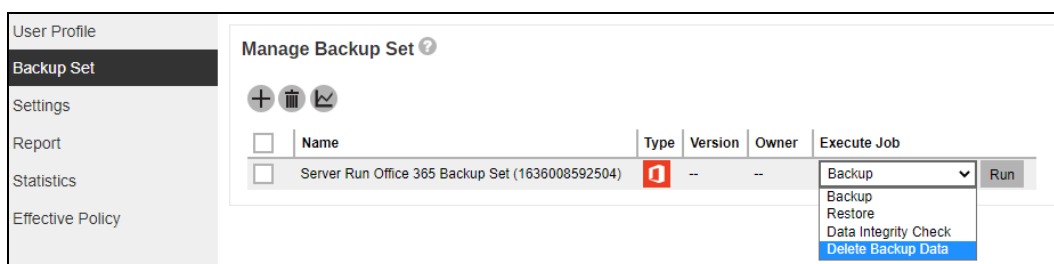
1. Log in to the User Web Console.

For instructions on how to do this please refer to [Chapter 2](#) of the AhsayCBS v9 User Guide.

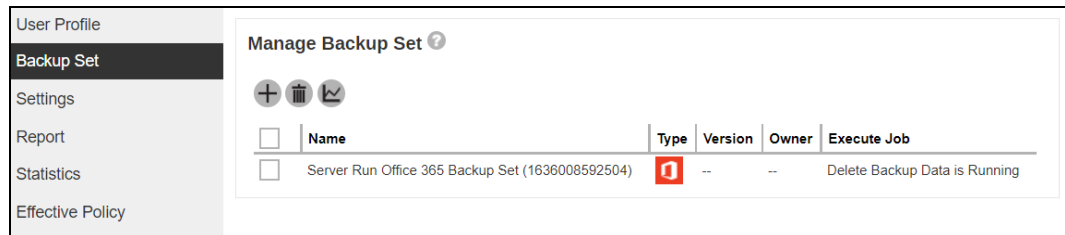
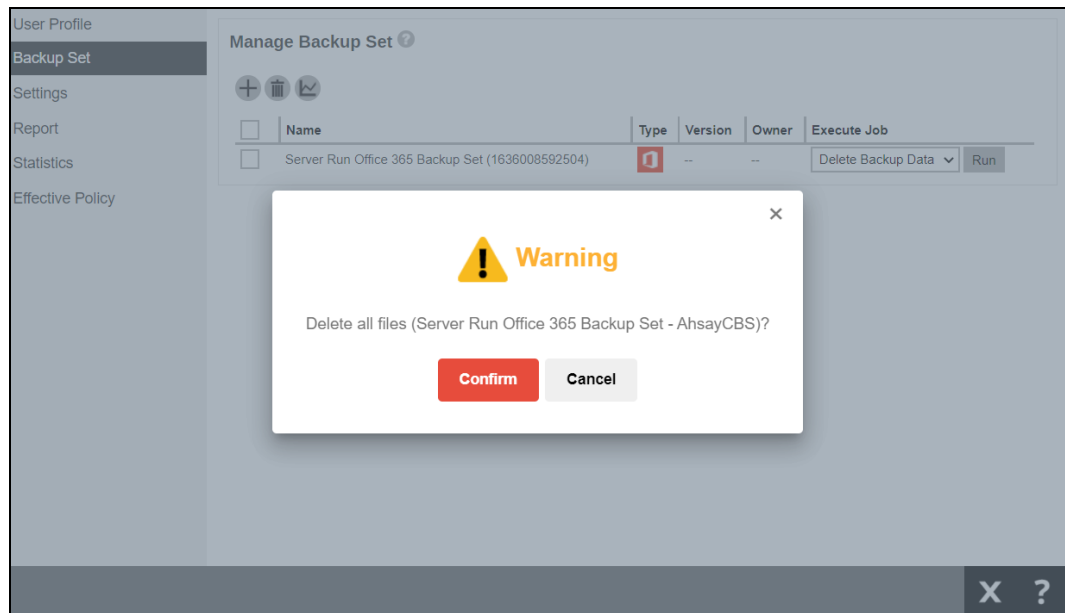
2. Click on the **User** icon.



3. Select **Backup Set** from the left panel, then select **Delete Backup Data** under the **Execute Job** drop-down menu. Click **Run** to proceed.



4. Click the **Confirm** button to delete all files. Otherwise, click the **Cancel** button.



#### NOTE

**Delete backup data** action is not reversible. It will physically delete the selected backup data regardless of the defined retention policy settings. Therefore, make sure to select the correct backup data to be deleted before you proceed.

## 9 Contact Ahsay

### 9.1 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/>

### 9.2 Documentation

Documentations for all Ahsay products are available at:

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

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>

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



## Appendix

### Appendix A: Example Scenarios for Microsoft 365 License Requirement and Usage

**Scenario No. 1:** Backing up Microsoft 365 user account in multiple backup sets.

The required Microsoft 365 licenses are calculated by the number of Microsoft 365 user accounts that you want to backup.

**Example No. 1:** To back up one (1) Microsoft 365 user account on multiple backup sets, only one (1) Ahsay Microsoft 365 license is needed.

Backup Set Name	Microsoft 365 User Account
Backup Set A	user01 @company-Microsoft365.com
Backup Set B	user01 @company-Microsoft365.com
Backup Set C	user01 @company-Microsoft365.com

**Example No. 2:** To back up two (2) Microsoft 365 user accounts on multiple backup sets, two (2) Ahsay Microsoft 365 licenses are needed.

Backup Set Name	Microsoft 365 User Account
Backup Set A	user01 @company-Microsoft365.com
	user02 @company-Microsoft365.com
Backup Set B	user01 @company-Microsoft365.com
Backup Set C	user02 @company-Microsoft365.com

**Example No. 3:** To back up three (3) Microsoft 365 user accounts on multiple backup sets, three (3) Ahsay Microsoft 365 licenses are needed.

Backup Set Name	Microsoft 365 User Account
Backup Set A	user01 @company-Microsoft365.com
	user02 @company-Microsoft365.com
	user03 @company-Microsoft365.com
Backup Set B	user01 @company-Microsoft365.com
	user02 @company-Microsoft365.com
Backup Set C	user03 @company-Microsoft365.com

**Scenario No. 2:** Backing up SharePoint Sites (not Personal Sites) under Site collections in multiple backup sets.

The required Microsoft 365 license is zero, but a minimum of one (1) Microsoft 365 add-on module license is needed to start the backup.

**Example No. 1:** To back up one (1) SharePoint site under Site Collection, one (1) Ahsay Microsoft 365 license is needed.

Backup Set Name	SharePoint Site
Backup Set A	companyMicrosoft365.sharepoint.com/Finance
Backup Set B	companyMicrosoft365.sharepoint.com/Finance
Backup Set C	companyMicrosoft365.sharepoint.com/Finance

**Example No. 2:** To back up any number of SharePoint sites under Site Collection, one (1) Ahsay Microsoft 365 license is needed.

Backup Set Name	SharePoint Site
Backup Set A	companyMicrosoft365.sharepoint.com/sites//Finance
	companyMicrosoft365.sharepoint.com/sites/SupportTeam
	companyMicrosoft365.sharepoint.com/sites/Engineering
Backup Set B	companyMicrosoft365.sharepoint.com/sites/Finance
Backup Set C	companyMicrosoft365.sharepoint.com/sites/Finance
	companyMicrosoft365.sharepoint.com/sites/SupportTeam
	companyMicrosoft365.sharepoint.com/sites/Engineering

**Scenario No. 3:** Backing up files and/or folders under Public Folder in multiple backup sets.

The required Microsoft 365 license is zero, but a minimum of one (1) Microsoft 365 add-on module license is needed to start the backup.

**Example No. 1:** To back up files and/or folders under Public Folder, one (1) Ahsay Microsoft 365 license is needed.

Backup Set Name	Files and/or Folders
Backup Set A	Folder01 <ul style="list-style-type: none"><li>○ microsoftword01.docx</li><li>○ powerpointpresentation01.pptx</li><li>○ spreadsheet01.xls</li><li>○ notepad01.txt</li><li>○ picture01.jpg</li><li>○ picture02.jpg</li></ul>
Backup Set B	Folder01 <ul style="list-style-type: none"><li>○ microsoftword01.docx</li><li>○ powerpointpresentation01.pptx</li><li>○ spreadsheet01.xls</li><li>○ notepad01.txt</li><li>○ picture01.jpg</li><li>○ picture02.jpg</li></ul>
	Folder02
	Folder03
Backup Set C	Folder01 <ul style="list-style-type: none"><li>○ microsoftword01.docx</li><li>○ powerpointpresentation01.pptx</li><li>○ spreadsheet01.xls</li><li>○ notepad01.txt</li><li>○ picture01.jpg</li><li>○ picture02.jpg</li></ul>
	Folder02
	Folder03 <ul style="list-style-type: none"><li>○ microsoftword02.docx</li><li>○ powerpointpresentation02.pptx</li><li>○ spreadsheet02.xls</li><li>○ notepad02txt</li><li>○ picture05.jpg</li><li>○ picture06.jpg</li></ul>

**Scenario No. 4:** Backing up Microsoft 365 User Accounts, files and/or folders under Public Folder, and SharePoint sites under Site Collections in multiple backup sets.

The required Microsoft 365 license will depend on the number of unique Microsoft 365 accounts.

**Example No. 1:** To back up three (3) Microsoft 365 user account, files and/or folders under Public Folder, and SharePoint sites under Site Collections on multiple backup sets, three (3) Ahsay Microsoft 365 licenses are needed.

Backup Set Name	Microsoft 365 User Account, SharePoint Site, and Files and/or Folders
Backup Set A	user01 @company-Microsoft365.com
Backup Set B	user01 @company-Microsoft365.com
	user02 @company-Microsoft365.com
	companyMicrosoft365.sharepoint.com/sites/Finance
	companyMicrosoft365.sharepoint.com/sites/SupportTeam
Backup Set C	user01 @company-Microsoft365.com
	user02 @company-Microsoft365.com
	Folder01 <ul style="list-style-type: none"> <li>○ microsoftword01.docx</li> <li>○ powerpointpresentation01.pptx</li> <li>○ spreadsheet01.xls</li> <li>○ notepad01.txt</li> <li>○ picture01.jpg</li> <li>○ picture02.jpg</li> </ul>
Backup Set D	user01 @company-Microsoft365.com
	user02 @company-Microsoft365.com
	user03 @company-Microsoft365.com
	Folder01 <ul style="list-style-type: none"> <li>○ microsoftword01.docx</li> <li>○ powerpointpresentation01.pptx</li> <li>○ spreadsheet01.xls</li> <li>○ notepad01.txt</li> <li>○ picture01.jpg</li> <li>○ picture02.jpg</li> </ul>
	companyMicrosoft365.sharepoint.com/sites/Finance
	companyMicrosoft365.sharepoint.com/sites/SupportTeam

## Scenario No. 5: Backing up Microsoft 365 User Accounts and Share Mailbox Accounts.

The required Microsoft 365 license will depend on the number of unique Microsoft 365 accounts.

**Example No. 1:** To back up three (3) Microsoft 365 user account and three (3) Shared mailbox accounts, six (6) Ahsay Microsoft 365 licenses are needed.

Backup Set Name	Microsoft 365 User Account and Shared Mailbox Accounts
Backup Set A	user01@company-Microsoft365.com
	user02@company-Microsoft365.com
	user03@company-Microsoft365.com
	sharedmailbox01@test-Microsoft365.com
	sharedmailbox02@test-Microsoft365.com
	sharedmailbox03@test-Microsoft365.com

### Microsoft 365 license usage in backup

The number of Microsoft 365 licenses used in a backup can be checked from the backup log. The logs will first display the number of licenses that can be used which is labeled as "Quota (E-mail Account)". Then it will display the actual number of licenses used "Quota (E-mail account) used in this backup set". Lastly, it will list the e-mail accounts that was used.

Here is a sample of how it is listed in the log:

```
[2022/06/15 11:53:58] [info] [-] Quota (E-mail Account): 400
[2022/06/15 11:53:58] [cbs] [-] info,Quota (E-mail Account): 400,0,0,0,,,
[2022/06/15 11:53:58] [info] [-] Quota (E-mail Account) used in this backup set: 12
[2022/06/15 11:53:58] [cbs] [-] info,Quota (E-mail Account) used in this backup set: 12,0,0,0,,,
[2022/06/15 11:53:58] [info] [-] 1. Abacussam@example.com
[2022/06/15 11:53:58] [info] [-] 2. BasicZexo@example.com
[2022/06/15 11:53:58] [info] [-] 3. Dave555@example.com
[2022/06/15 11:53:58] [info] [-] 4. alphabetZack@example.com
[2022/06/15 11:53:58] [info] [-] 5. carolinarib@example.com
[2022/06/15 11:53:58] [info] [-] 6. evanmcevan@example.com
[2022/06/15 11:53:58] [info] [-] 7. fredisred@example.com
[2022/06/15 11:53:58] [info] [-] 8. hellohello@example.com
[2022/06/15 11:53:58] [info] [-] 9. mitchellwinner@example.com
[2022/06/15 11:53:58] [info] [-] 10. nonna@example.com
[2022/06/15 11:53:58] [info] [-] 11. quagmire@example.com
[2022/06/15 11:53:58] [info] [-] 12. russlabc@example.com
```

Run on Server backup log can be found in the path:

%User Home%\%backup username%\db\ClientLogs\Ahsay Cloud Backup Suite\log\%backupset ID%\Backup

## Appendix B: Example for backup of large numbers of Microsoft 365 users

**Example:** 10,000 Microsoft 365 users needed to be backup. Since the maximum number of Microsoft 365 users per backup set is 2,000, there are 2 options available. There are further options, but this will involve a large number of backup sets and maintenance of these backup sets will not be practical.

- Option 1 - 5 Backup Sets, each has 2,000 Microsoft 365 Users
- Option 2 - 10 Backup Sets, each has 1,000 Microsoft 365 Users

### Option 1 – 5 Backup Sets, each has 2,000 Microsoft 365 Users

Backup Set Name	User Number
Backup -Set-1	No.1 – 2000
Backup -Set-2	No.2001 – 4000
Backup -Set-3	No. 4001 – 6000
Backup -Set-4	No. 6001 – 8000
Backup -Set-5	No. 8001 – 10000

### Option 2 – 10 Backup Sets, each has 1,000 Microsoft 365 Users

Backup Set Name	User Number
Backup -Set-1	No.1 – 1000
Backup -Set-2	No.1001 – 2000
Backup -Set-3	No. 2001 – 3000
Backup -Set-4	No. 3001 – 4000
Backup -Set-5	No. 4001 – 5000
Backup -Set-6	No. 5001 – 6000
Backup -Set-7	No. 6001 – 7000
Backup -Set-8	No. 7001 – 8000
Backup -Set-9	No. 8001 – 9000
Backup -Set-10	No. 9001 – 10000

If Option 2 was selected, for the last backup set, Backup -Set-10, follow the instructions on how to select the Microsoft 365 users. Doing these steps will ensure that additional Microsoft 365 users will be automatically included in the backup set.

1. On the backup source, tick the checkbox for the root selection. This will select all the Microsoft 365 users.

## Select Specific Source

☒ Sort by alphabetical order ☐ Sort by User Group

☒

All Users 10 000 Items Selected

☒

0365-mfa-admin16 ( @ )

☒

23496 Test ( @ )

☒

26737Test ( @ )

☒

27552 ( @ )

☒

28332 Test ( @ )

☒

28470 Test 2 ( @ )

☒

28470 Test 3 ( @ )

☒

[CI] ( @ )

☒

[CI] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

☒

[CSV-CSST] ( @ )

2. Deselect the first 9,000 Microsoft 365 users.

## Select Specific Source

☒ Sort by alphabetical order ☐ Sort by User Group

☒ All Users 1000 Items Selected

- ☐ 0365-mfa-admin16 (@...)
- ☐ 23496 Test (@...)
- ☐ 26737Test (@...)
- ☐ 27552 (@...)
- ☐ 28332 Test (@...)
- ☐ 28470 Test 2 (@...)
- ☐ 28470 Test 3 (@...)
- ☐ [CI] (@...)
- ☐ [CI] (@...)
- ☐ [CSV-CSST] (@...)
- ☐ [CSV-CSST] (@...)
- ☐ [CSV-CSST] (@...)
- ☐ [CSV-CSST] (@...)
- ☐ [CSV-CSST] (@...)
- ☐ [CSV-CSST] (@...)
- ☐ [CSV-CSST] (@...)
- ☐ [CSV-CSST] (@...)

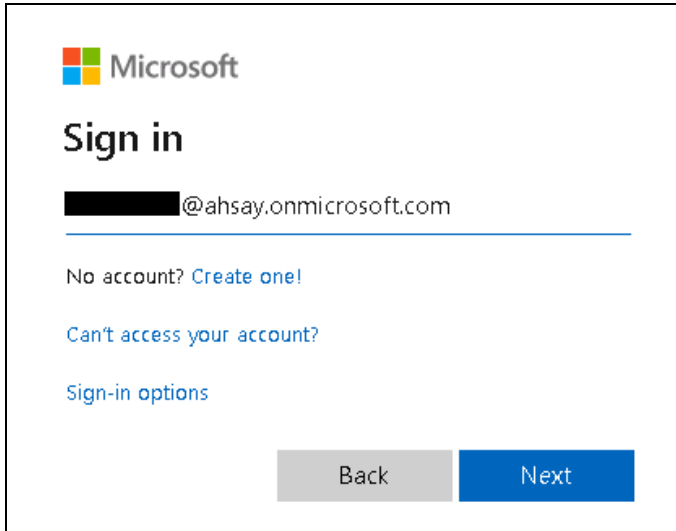


## Appendix C: Setting Multi-Factor Authentication (MFA) in Microsoft 365 Admin Center

What is a Multi-Factor Authentication (MFA)? It is an authentication method wherein a user will be granted an access only after successfully presenting two or more evidence or proof of personal information or identification. It also adds a second layer of security to users upon logging in.

To enable MFA of any Microsoft 365 user accounts, follow the steps below:

1. Login using a Microsoft 365 Administrator credentials.

A screenshot of the Microsoft sign-in page. At the top left is the Microsoft logo. Below it, the text "Sign in" is displayed in a large, bold font. Underneath, there is a text input field containing a redacted email address followed by "@ahsay.onmicrosoft.com". Below the input field, there are three links: "No account? Create one!", "Can't access your account?", and "Sign-in options". At the bottom right, there are two buttons: a grey "Back" button and a blue "Next" button.

Microsoft

### Sign in

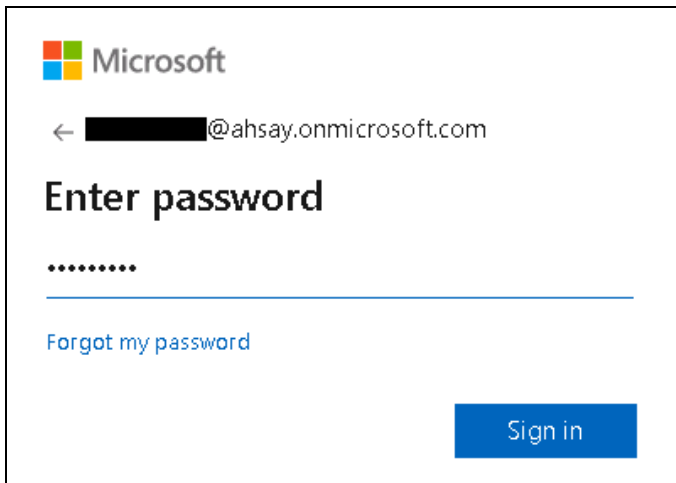
██████████@ahsay.onmicrosoft.com

No account? [Create one!](#)

[Can't access your account?](#)

[Sign-in options](#)

Back Next

A screenshot of the Microsoft "Enter password" screen. At the top left is the Microsoft logo. Below it, there is a back arrow icon followed by a redacted email address and "@ahsay.onmicrosoft.com". The text "Enter password" is displayed in a large, bold font. Below this, there is a password input field represented by a series of dots. At the bottom left, there is a link that says "Forgot my password". At the bottom right, there is a blue "Sign in" button.

Microsoft

← ██████████@ahsay.onmicrosoft.com

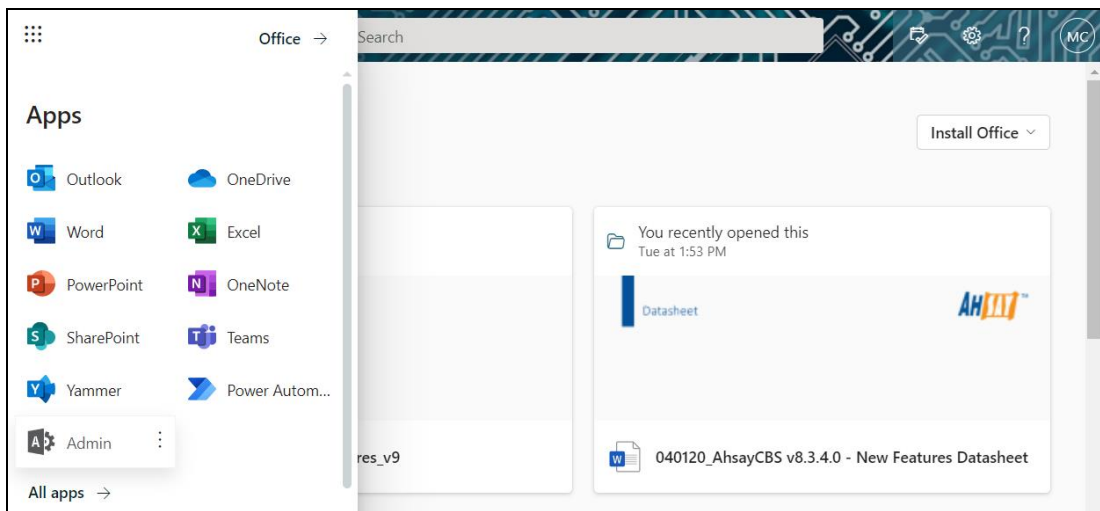
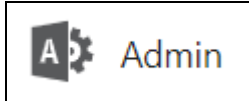
### Enter password

.....

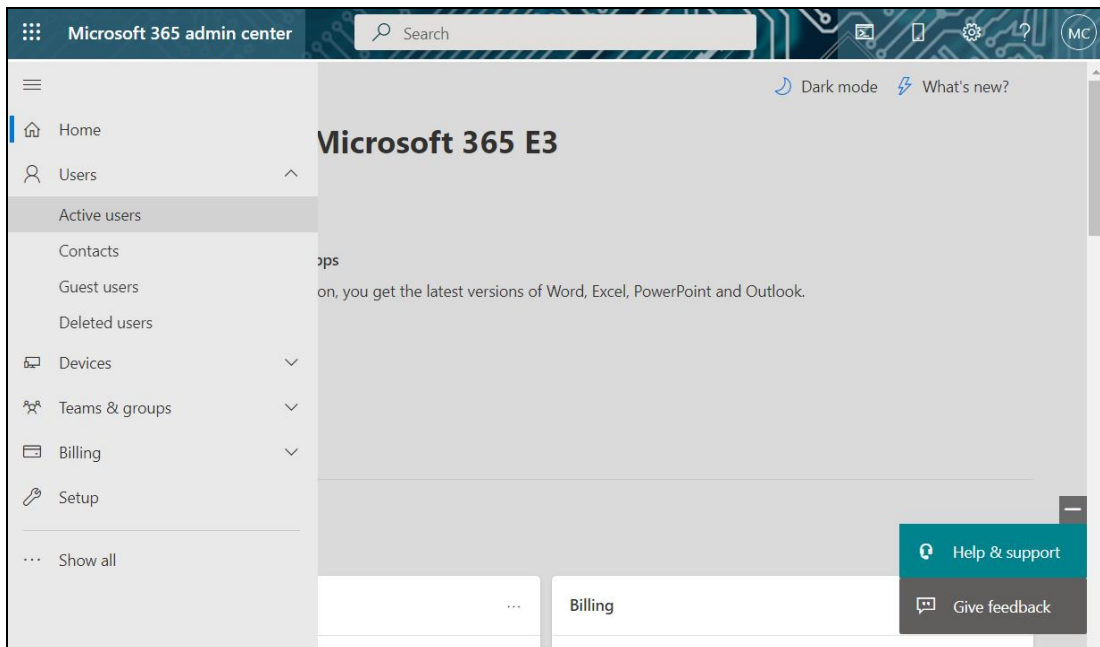
[Forgot my password](#)

Sign in

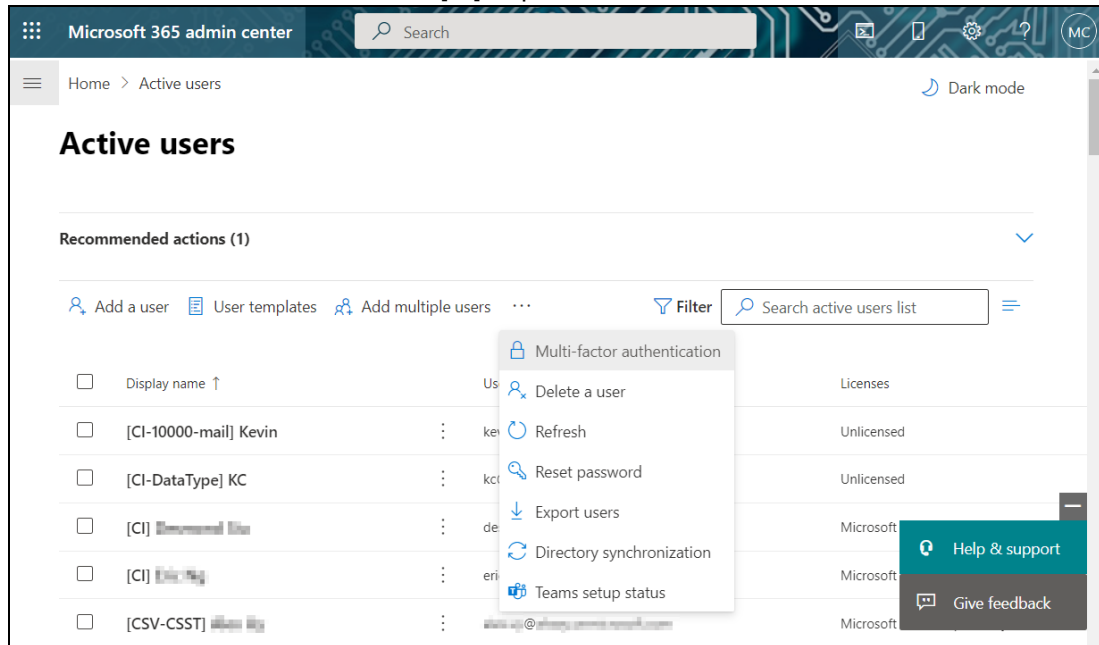
2. Click the **Admin Center** icon.



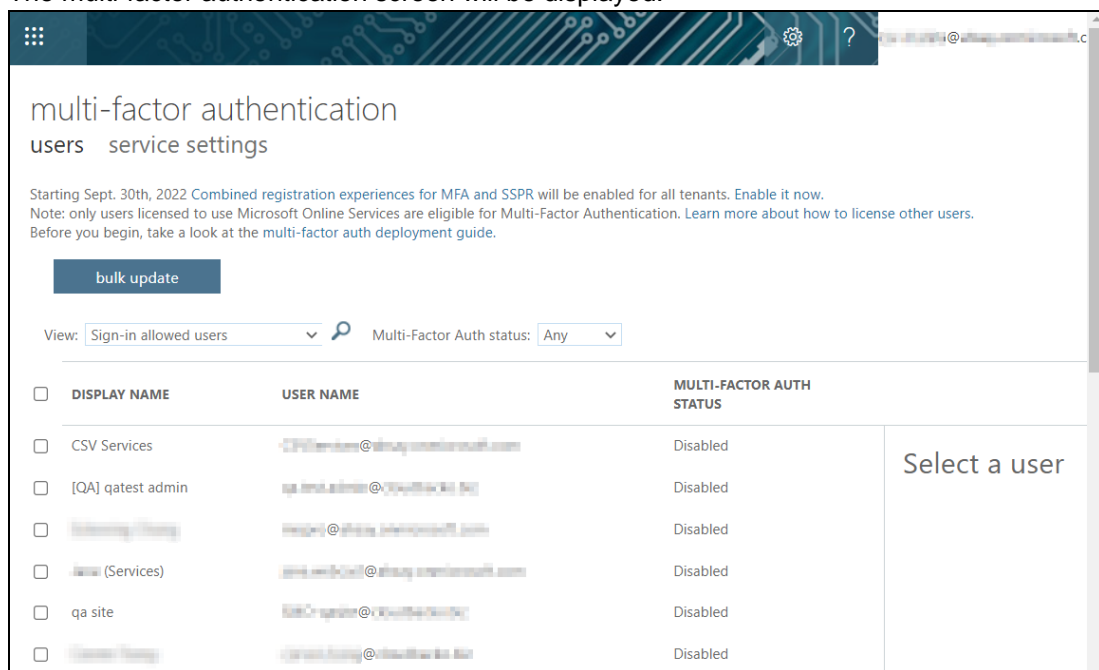
3. Go to **Users** and select the **Active users** from the list.



- In the Active user's screen, click the [...] ellipses, then click Multi-factor authentication.



- The multi-factor authentication screen will be displayed.



6. You can search and select one or more Microsoft 365 user accounts. There is also a drop-down list available for multi-factor authentication status namely, **Disabled**, **Enabled**, and **Enforced**.

multi-factor authentication  
users service settings

Starting Sept. 30th, 2022 Combined registration experiences for MFA and SSPR will be enabled for all tenants. Enable it now.  
Note: only users licensed to use Microsoft Online Services are eligible for Multi-Factor Authentication. Learn more about how to license other users.  
Before you begin, take a look at the [multi-factor auth deployment guide](#).

[bulk update](#)

View: Sign-in allowed users Multi-Factor Auth status: Any

<input type="checkbox"/>	DISPLAY NAME	USER NAME	MULTI-FACTOR AUTH STATUS
<input type="checkbox"/>	CSV Services	CSVServices@ahsay.com	Disabled
<input type="checkbox"/>	[QA] qatest admin	qa-test-admin@ahsay.com	Disabled
<input type="checkbox"/>	Testing User	testuser@ahsay.com	Disabled
<input type="checkbox"/>	Test (Services)	test-services@ahsay.com	Disabled
<input type="checkbox"/>	qa site	qa-site@ahsay.com	Disabled
<input type="checkbox"/>	Test User	test-user@ahsay.com	Disabled

Select a user

- **Disabled** – This status refers to the users who are not yet enrolled in the MFA. This is the default status.
- **Enabled** – This status refers to the users who are enrolled in the MFA, but changes have not yet taken effect.
- **Enforced** – This status refers to the users who are enrolled in the MFA has completed the registration process.

7. Upon selecting a user, on the right side of the screen it will show you a link to enable the MFA. Click the **Enable** link to proceed.

multi-factor authentication  
users service settings

Starting Sept. 30th, 2022 Combined registration experiences for MFA and SSPR will be enabled for all tenants. Enable it now.  
Note: only users licensed to use Microsoft Online Services are eligible for Multi-Factor Authentication. Learn more about how to license other users.  
Before you begin, take a look at the [multi-factor auth deployment guide](#).

[bulk update](#)

View: Sign-in allowed users Multi-Factor Auth status: Any

<input type="checkbox"/>	DISPLAY NAME	USER NAME	MULTI-FACTOR AUTH STATUS
<input checked="" type="checkbox"/>	CSV Services	CSVServices@ahsay.com	Disabled
<input type="checkbox"/>	[QA] qatest admin	qa-test-admin@ahsay.com	Disabled
<input type="checkbox"/>	Testing User	testuser@ahsay.com	Disabled
<input type="checkbox"/>	Test (Services)	test-services@ahsay.com	Disabled
<input type="checkbox"/>	qa site	qa-site@ahsay.com	Disabled
<input type="checkbox"/>	Test User	test-user@ahsay.com	Disabled

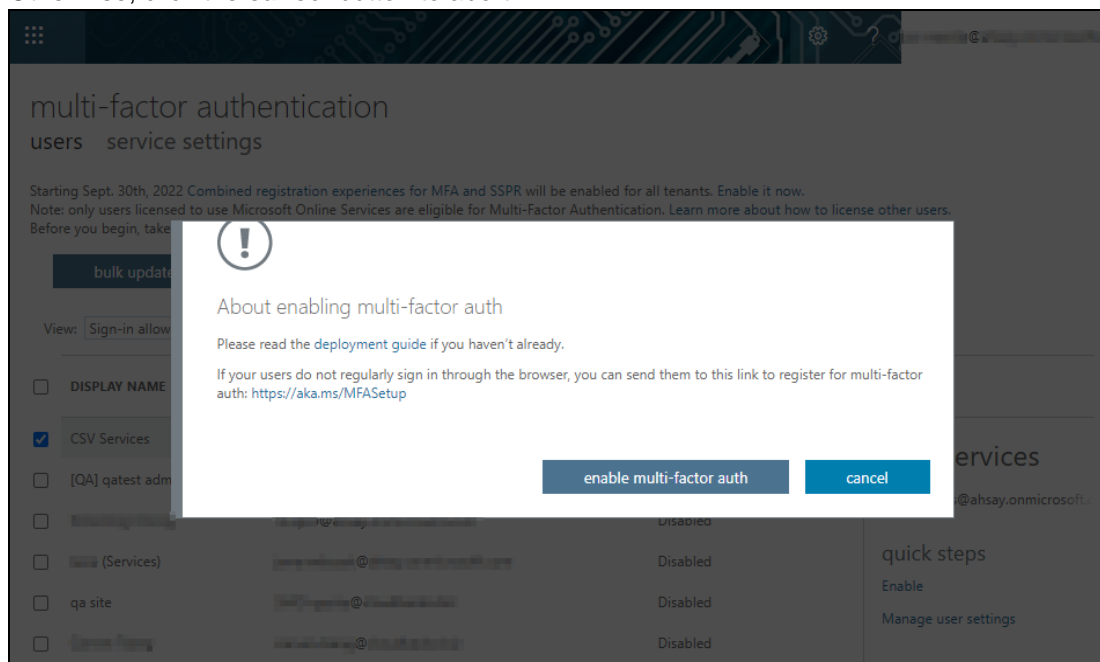
CSV Services

quick steps

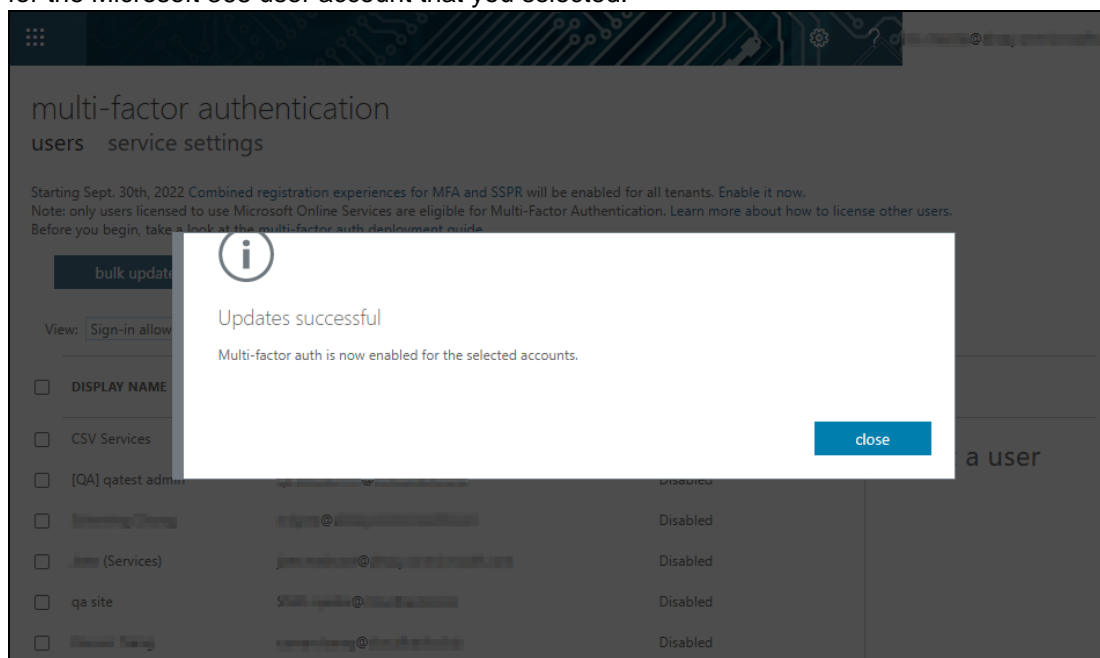
[Enable](#)

[Manage user settings](#)

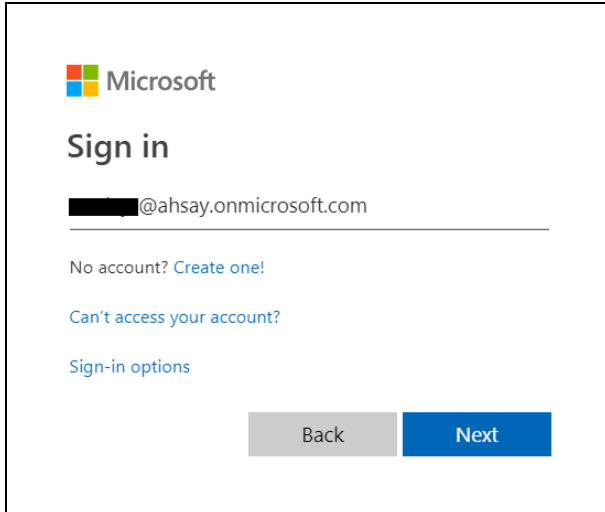
8. A warning message will be displayed. Click the **enable multi-factor auth** button to proceed. Otherwise, click the **cancel** button to abort.



9. If you select enable multi-factor auth, the screen below shows the successful enabling of MFA for the Microsoft 365 user account that you selected.



10. To finish the setup for the MFA, login using the MFA enabled Microsoft 365 user account.



Microsoft

## Sign in

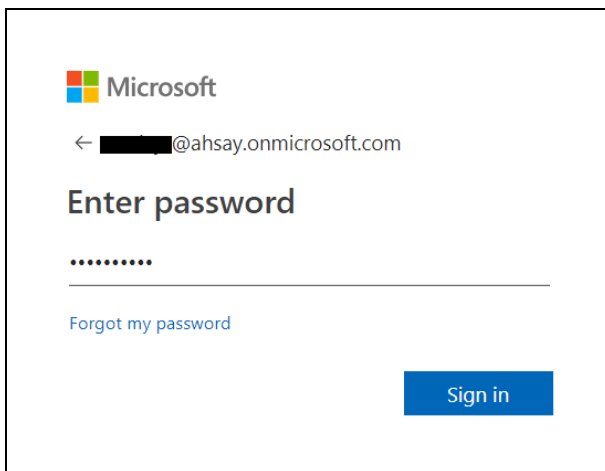
██████████@ahsay.onmicrosoft.com

No account? [Create one!](#)

[Can't access your account?](#)

[Sign-in options](#)

[Back](#) [Next](#)



Microsoft

← ██████████@ahsay.onmicrosoft.com

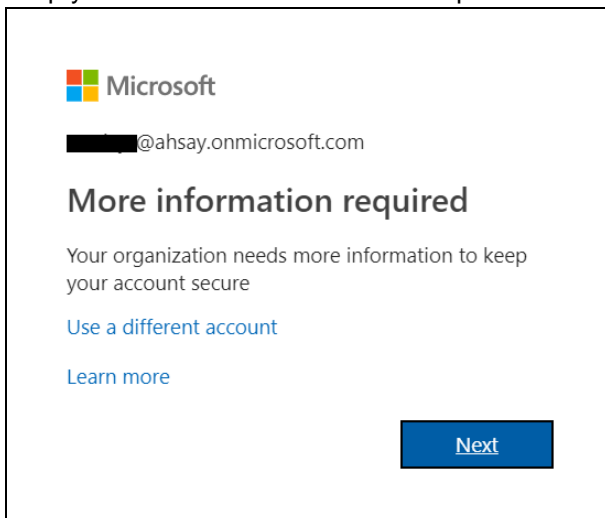
## Enter password

.....

[Forgot my password](#)

[Sign in](#)

11. Upon logging in, there will be a message that will require you to provide more information to keep your account safe. Click **Next** to proceed.



Microsoft

██████████@ahsay.onmicrosoft.com

## More information required

Your organization needs more information to keep your account secure

[Use a different account](#)

[Learn more](#)

[Next](#)

12. The **Additional security verification** screen will be displayed. Select one (1) option you want for the security of your account. You can choose from the three (3) options, **Authentication phone**, **Office phone**, and **Mobile app**.

Microsoft

## Additional security verification

Secure your account by adding phone verification to your password. [View video to know how to secure your account](#)

### Step 1: How should we contact you?

Authentication phone ▼

Select your country or region ▼

Phone number can contain only the digits 0-9, dash, space, period and parentheses.

Method

☒ Send me a code by text message

☐ Call me

Next

Your phone numbers will only be used for account security. Standard telephone and SMS charges will apply.

©2019 Microsoft Legal | Privacy

- Authentication phone
  - Enter valid mobile number.
  - Select a method
    - Send me a code by text message
    - Call me

Microsoft

## Additional security verification

Secure your account by adding phone verification to your password. [View video to know how to secure your account](#)

### Step 1: How should we contact you?

Authentication phone ▼

Philippines (+63) ▼

Method

☒ Send me a code by text message

☐ Call me

Next

Your phone numbers will only be used for account security. Standard telephone and SMS charges will apply.

©2019 Microsoft Legal | Privacy

- Office phone – This option is disabled. Please ask your administrator if you need to update your office phone number.

Microsoft

## Additional security verification

Secure your account by adding phone verification to your password. [View video to know how to secure your account](#)

**Step 1: How should we contact you?**

Office phone ▼

Select your country or region ▼ Extension

Contact your admin if you need to update your office number. Do not use a Lync phone.

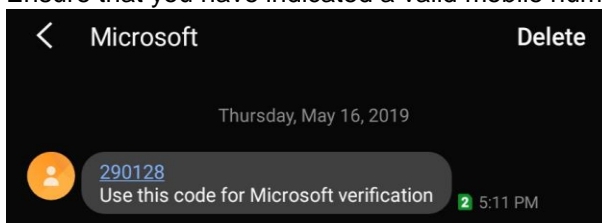
Next

Your phone numbers will only be used for account security. Standard telephone and SMS charges will apply.

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- Mobile app
  - Select which option you like upon using the mobile app
    - Receive notifications for verification
    - Use verification code

13. If you have selected the first option which is the **Authentication phone** with a method of **Send me a code by text**, you will receive a text message containing the verification code. Ensure that you have indicated a valid mobile number.



Microsoft

## Additional security verification

Secure your account by adding phone verification to your password. [View video to know how to secure your account](#)

**Step 2: We've sent a text message to your phone at +63 [redacted]**

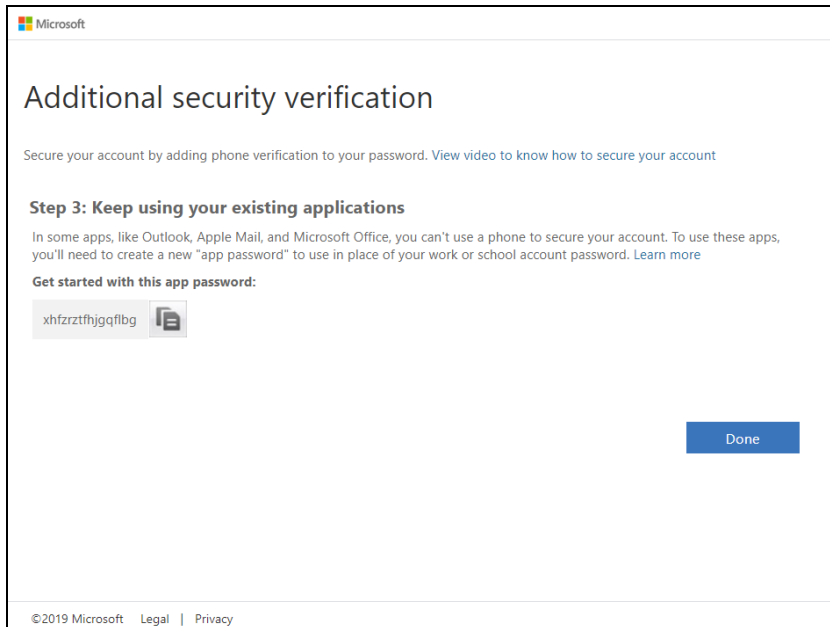
When you receive the verification code, enter it here

290128

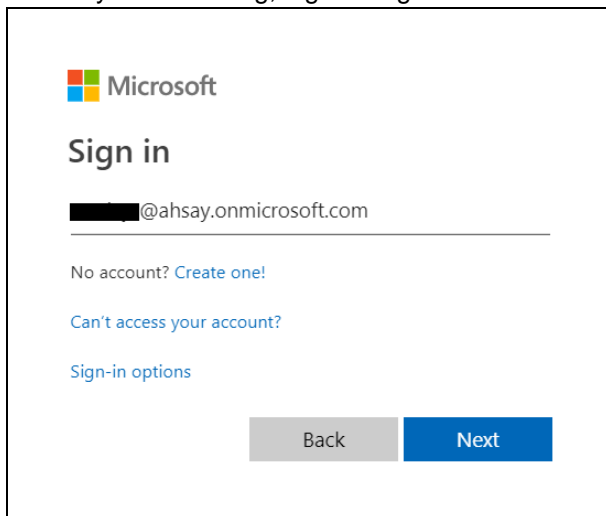
Cancel Verify

©2019 Microsoft Legal | Privacy

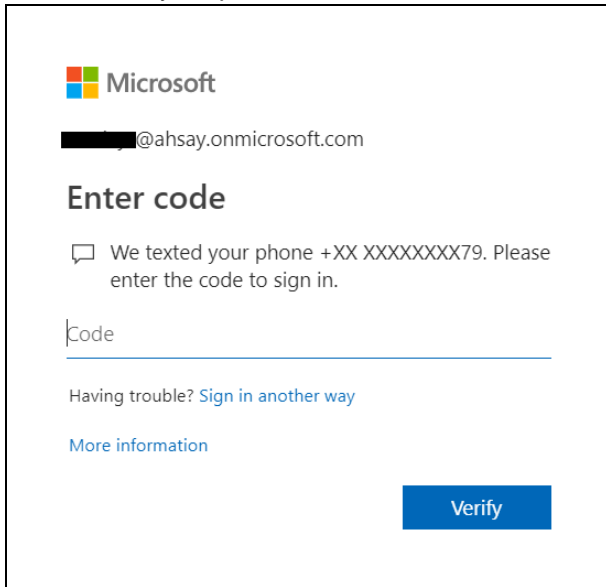




14. To verify if it's working, login using the MFA enabled Microsoft 365 user account.



15. Upon logging in, there will be a message that will require you to provide the code that have been sent to your personal mobile number. Click **Verify** to proceed.



Microsoft

[REDACTED]@ahsay.onmicrosoft.com

### Enter code

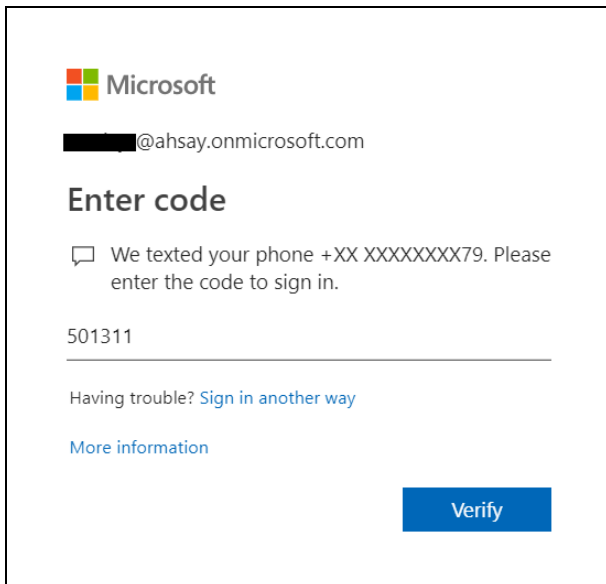
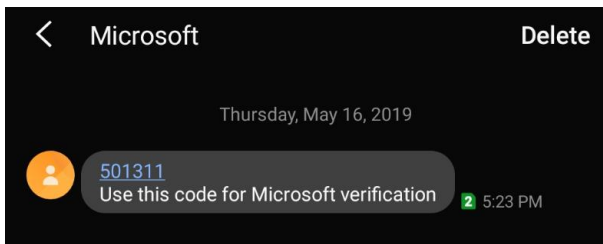
☐ We texted your phone +XX XXXXXXXX79. Please enter the code to sign in.

Code

Having trouble? [Sign in another way](#)

[More information](#)

Verify



Microsoft

[REDACTED]@ahsay.onmicrosoft.com

### Enter code

☐ We texted your phone +XX XXXXXXXX79. Please enter the code to sign in.

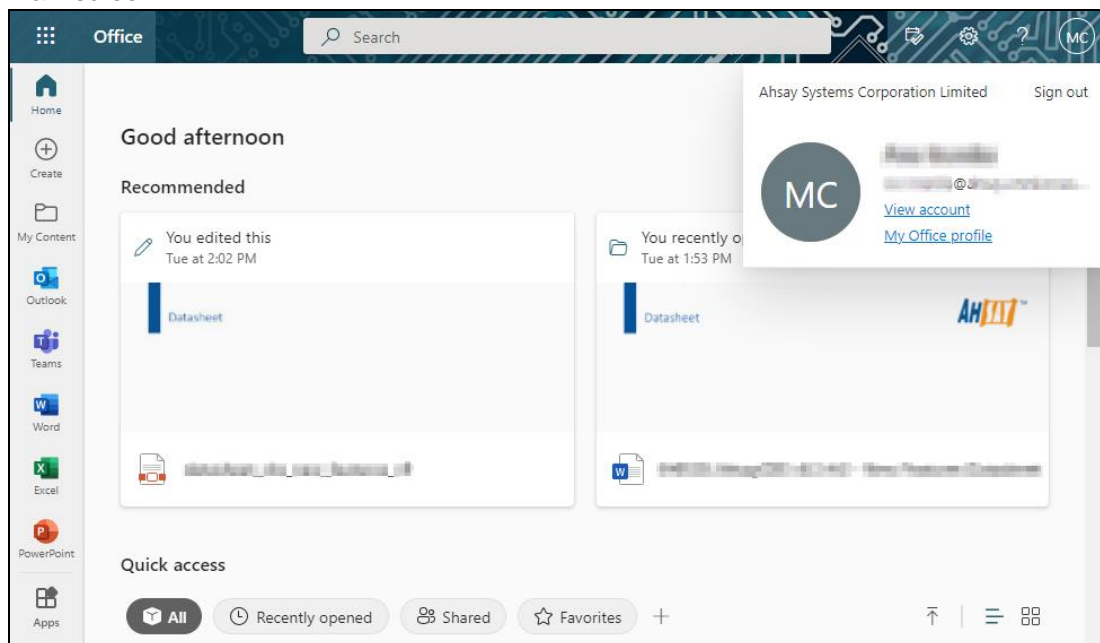
501311

Having trouble? [Sign in another way](#)

[More information](#)

Verify

16. After the verification process, the screen will be automatically redirected to the Microsoft 365 Main screen.







## Appendix D: Example Scenario for Backup Set Maintenance

### Scenario: Microsoft 365 user account does not exist warning message

This is the sample warning message if the user does not exist. If a user is removed from the domain and the Admin did not manually unselected the user from the backup source, then during backup job there will be a warning that the user does not exist. The warning will appear on the backup log.

Backup job is completed with warning(s). Check the backup report for the warning message.

Backup Report for This User				
				View <span>Today</span> ▼
Backup Set	Destination	Start Time	End Time	Status
 BackupSet_01(1648449984921)	 AhsayCBS	28-Mar-2022 15:07 CST	28-Mar-2022 15:08 CST	Warn
 BackupSet_01(1648449984921)	 AhsayCBS	28-Mar-2022 15:02 CST	28-Mar-2022 15:04 CST	OK

Backup report contains a warning message.

8	warn	2022/03/28 15:07:54	Backup source "Office 365/Users/[redacted]@[redacted]" does not exist !
---	------	---------------------	---

Backup Logs			
No.	Type	Timestamp	Log
1	start	2022/03/28 15:07:17	Start [ Ahsay Cloud Backup Suite v9.1.3.10 ]
2	info	2022/03/28 15:07:19	Using Temporary Directory C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131
3	info	2022/03/28 15:07:39	Skip download index since local index "C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131\index" is latest or identical to destination copy on 2022-03-28-15-01-38
4	info	2022/03/28 15:07:39	Skip download index since local index "C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131\index\subindex\04271641-e13d-3171-94fb-7cfd061ab953" is latest or identical to destination copy on 2022-03-28-15-01-38
5	info	2022/03/28 15:07:39	Skip download index since local index "C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131\index\subindex\b8d651e3-2215-3167-bd48-bbfbb6cb9e8f" is latest or identical to destination copy on 2022-03-28-15-01-38
6	info	2022/03/28 15:07:40	Backup of "Allow multiple responses" setting in survey lists is not supported under modern authentication.
7	info	2022/03/28 15:07:48	Office 365 Data Synchronization Check will be run after 60 day(s)
8	warn	2022/03/28 15:07:54	Backup source "Office 365/Users/[redacted]@[redacted]" does not exist !
9	info	2022/03/28 15:08:00	Backup E-mail Account: [redacted]
10	info	2022/03/28 15:08:01	Start validating the presence and size of backup data in destination "AhsayCBS"...
11	info	2022/03/28 15:08:01	This backup job has no backup data in destination "AhsayCBS"
12	info	2022/03/28 15:08:01	Finished validating the presence and size of backup data in destination "AhsayCBS"
13	info	2022/03/28 15:08:05	Skipping page properties from "/personal/[redacted]/Documents/Forms/DispForm.aspx". Reason=Web service request is not support under modern mode.
14	info	2022/03/28 15:08:05	Skipping page properties from "/personal/[redacted]/Documents/Forms/EditForm.aspx". Reason=Web service request is not support under modern mode.
15	info	2022/03/28 15:08:05	Skipping page properties from "/personal/[redacted]/Documents/Forms/Upload.aspx". Reason=Web service request is not support under modern mode.

## Appendix E: Example Scenario for Data Synchronization Check (DSC) with sample backup reports

### Selection of all folders vs selective folders

all folders		selective folders		all folders		selective folders	
Users		Users		Users		Users	
<input checked="" type="checkbox"/>	Outlook	<input checked="" type="checkbox"/>	Outlook	<input checked="" type="checkbox"/>	Outlook	<input checked="" type="checkbox"/>	Outlook
<input checked="" type="checkbox"/>	OneDrive	<input checked="" type="checkbox"/>	OneDrive	<input checked="" type="checkbox"/>	OneDrive	<input checked="" type="checkbox"/>	OneDrive
<input checked="" type="checkbox"/>	Personal Site	<input checked="" type="checkbox"/>	Personal Site	<input checked="" type="checkbox"/>	Personal Site	<input type="checkbox"/>	Personal Site
<input checked="" type="checkbox"/>	Teams Chat	<input type="checkbox"/>	Teams Chat	<input checked="" type="checkbox"/>	Public Folders	<input type="checkbox"/>	Public Folders
<input checked="" type="checkbox"/>	Teams	<input checked="" type="checkbox"/>	Teams	<input checked="" type="checkbox"/>	Teams Chat	<input type="checkbox"/>	Teams Chat
<input checked="" type="checkbox"/>	Group Mail	<input checked="" type="checkbox"/>	Group Mail				
<input checked="" type="checkbox"/>	Group Site	<input type="checkbox"/>	Group Site				
<input checked="" type="checkbox"/>	Teams Channel	<input checked="" type="checkbox"/>	Teams Channel				
<input checked="" type="checkbox"/>	SharePoint Sites	<input checked="" type="checkbox"/>	SharePoint Sites				
<input checked="" type="checkbox"/>	Public Folders	<input type="checkbox"/>	Public Folders				

### All folders selection

Selecting all folders automatically selects all the files and/or folders under Outlook, OneDrive and Personal Site of the selected Microsoft 365 user account. And all the files and/or folders under Teams, SharePoint Sites and Public Folders of the Microsoft 365 organization for AhsayOBM; only Public Folders for AhsayACB.

DSC is not required when all the folders are selected for back up. As during a backup job any deleted files in the backup source will be automatically moved to retention area.

Below are the sample screenshot of the backup source with all folders selected.

#### AhsayOBM





Select Microsoft 365 user(s) to backup


☒ All users

☐ Select Specific [Select](#)

☐ Auto-exclude any Microsoft 365 unlicensed user during backup




Select the data type that you want to backup which are owned by the selected user(s)


☒  Outlook ☒  OneDrive ☒  Personal Site ☒  Teams Chat

☒  Teams

☒ All teams groups


☐ Select Specific [Select](#)

☒  Group Mail ☒  Group Site ☒  Teams Channel

☒  SharePoint Sites

☒ All SharePoint sites excluding personal and group sites

☐ Select Specific [Select](#)


☒  Public Folders


☒ All public folders


☐ Select Specific [Select](#)


#### AhsayACB


Select the items and folders that you want to backup

☒  Outlook

☒  OneDrive

☒  Personal Site

☒  Public Folders

☒  Teams Chat

## Selective folders

When not all folders are selected for backup and folders are subsequently un-selected from the backup source. The backup job will not pick up the changes of the de-selected folders, they will not be moved to the Retention Area but remain in the Data Area. In the long run this could result in a build-up of data in the backup destination.

DSC is highly recommended to synchronize de-selected folders in the backup source with the backup destination. This will ensure that there will be no data build up on the backup destination.

Below is the sample screenshot of the backup source with selective folders.

### AhsayOBM





Select Microsoft 365 user(s) to backup


☒ All users

☐ Select Specific Select

☒ Auto-exclude any Microsoft 365 unlicensed user during backup




Select the data type that you want to backup which are owned by the selected user(s)


☐  Outlook ☒  OneDrive ☐  Personal Site ☐  Teams Chat

☒  Teams

☒ All teams groups


☐ Select Specific Select

☒  Group Mail ☐  Group Site ☐  Teams Channel

☒  SharePoint Sites

☐ All SharePoint sites excluding personal and group sites

☒ Select Specific Select


☒  Public Folders


☐ All public folders


☒ Select Specific Select


### AhsayACB


Select the items and folders that you want to backup

☒  Outlook

☒  OneDrive

☒  Personal Site

☐  Public Folders

☐  Teams Chat

On the sample backup report, it shows that DSC is enabled and runs for the first time.

## Backup Report

Backup Logs			
No.	Type	Timestamp	Log
1	start	2022/03/28 15:01:59	Start [ Ahsay Cloud Backup Suite v9.1.3.10 ]
2	info	2022/03/28 15:02:02	Using Temporary Directory C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131
3	info	2022/03/28 15:02:27	Backup of "Allow multiple responses" setting in survey lists is not supported under modern authentication.
4	info	2022/03/28 15:02:35	Run Office 365 Data Synchronization Check (1st time)
5	info	2022/03/28 15:02:41	Skip backing up E-mail Account " ", Reason = ""
6	info	2022/03/28 15:02:48	Backup E-mail Account: "
7	info	2022/03/28 15:02:48	Skipping page properties from "/personal/ /Documents/Forms/DispForm.aspx". Reason=Web service request is not support under modern mode.
8	info	2022/03/28 15:02:48	Skipping page properties from "/personal/ /Documents/Forms/EditForm.aspx". Reason=Web service request is not support under modern mode.
9	info	2022/03/28 15:02:48	Skipping page properties from "/personal/ /Documents/Forms/Upload.aspx". Reason=Web service request is not support under modern mode.
10	info	2022/03/28 15:02:48	Skipping site managed features from "https://ahsay-my.sharepoint.com/personal/ ". Reason=Web service request is not support under modern mode.
11	info	2022/03/28 15:02:48	Skipping web managed features from "https://ahsay-my.sharepoint.com/personal/ ". Reason=Web service request is not support under modern mode.
12	info	2022/03/28 15:02:48	Start validating the presence and size of backup data in destination "AhsayCBS"...
13	info	2022/03/28 15:02:48	This backup job has no backup data in destination "AhsayCBS"
14	info	2022/03/28 15:02:48	Finished validating the presence and size of backup data in destination "AhsayCBS"
15	info	2022/03/28 15:03:25	Deduplication Info: File="Office 365/Site Collections/D901_ahsay-my.sharepoint.com%2fpersonal%2f /D001_All Files/D903_Documents/D903_Microsoft Teams Chat Files/F01_guide_cbx_admin_v8_11022021.doc", 0.0% of file size saved by deduplication, number of deduplicated blocks=0, total number of blocks=58, deduplicated size=0, total size=75,529.728

On the sample backup report, it shows the countdown until the next DSC which is in sixty (60) days.

## Backup Report

Backup Logs			
No.	Type	Timestamp	Log
1	start	2022/03/28 15:32:01	Start [ Ahsay Cloud Backup Suite v9.1.3.10 ]
2	info	2022/03/28 15:32:03	Using Temporary Directory C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131
3	info	2022/03/28 15:32:25	Skip download index since local index "C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131\index" is latest or identical to destination copy on 2022-03-28-15-07-05
4	info	2022/03/28 15:32:25	Skip download index since local index "C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131\index\subindex\04271641-e13d-3171-9a4b-7c4d061ab953" is latest or identical to destination copy on 2022-03-28-15-07-05
5	info	2022/03/28 15:32:25	Download valid index files from backup job "2022-03-28-15-07-05" to "C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131\index\subindex\12b51a316-0a7e-375d-bb91-041688da39a5".
6	info	2022/03/28 15:32:25	Skip download index since local index "C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131\index\subindex\b8d651e3-2215-3167-bd48-bbfbb6cb9c8f" is latest or identical to destination copy on 2022-03-28-15-07-05
7	info	2022/03/28 15:32:26	Backup of "Allow multiple responses" setting in survey lists is not supported under modern authentication.
8	info	2022/03/28 15:32:34	Office 365 Data Synchronization Check will be run after 60 day(s)
9	info	2022/03/28 15:32:39	Skip backing up E-mail Account " ", Reason = ""
10	info	2022/03/28 15:32:46	Backup E-mail Account: "
11	info	2022/03/28 15:32:47	Start validating the presence and size of backup data in destination "AhsayCBS"...
12	info	2022/03/28 15:32:47	This backup job has no backup data in destination "AhsayCBS"
13	info	2022/03/28 15:32:47	Finished validating the presence and size of backup data in destination "AhsayCBS"
14	info	2022/03/28 15:32:52	Skipping site managed features from "https://ahsay-my.sharepoint.com/personal/ ". Reason=Web service request is not support under modern mode.
15	info	2022/03/28 15:32:52	Skipping web managed features from "https://ahsay-my.sharepoint.com/personal/ ". Reason=Web service request is not support under modern mode.
16	info	2022/03/28 15:32:53	Start validating the presence and size of backup data in destination "AhsayCBS"...



On the sample backup report, it shows the countdown is done and DSC is running.

## Backup Report

Backup Logs			
No.	Type	Timestamp	Log
1	start	2022/03/28 15:01:59	Start [ Ahsay Cloud Backup Suite v9.1.3.10 ]
2	info	2022/03/28 15:02:02	Using Temporary Directory C:\Program Files\AhsayCBS\user\user\temp\1648449984921\Local@1648450770131
3	info	2022/03/28 15:02:27	Backup of "Allow multiple responses" setting in survey lists is not supported under modern authentication.
4	info	2022/03/28 15:02:35	Run Office 365 Data Synchronization Check
5	info	2022/03/28 15:02:41	Skip backing up E-mail Account "csv-manila@ahsay.onmicrosoft.com", Reason = ""
6	info	2022/03/28 15:02:48	Backup E-mail Account: csv-manila@ahsay.onmicrosoft.com
7	info	2022/03/28 15:02:48	Skipping page properties from "/personal/1648612357454/Documents/Forms/DispForm.aspx". Reason=Web service request is not support under modern mode.
8	info	2022/03/28 15:02:48	Skipping page properties from "/personal/1648612357454/Documents/Forms/EditForm.aspx". Reason=Web service request is not support under modern mode.
9	info	2022/03/28 15:02:48	Skipping page properties from "/personal/1648612357454/Documents/Forms/Upload.aspx". Reason=Web service request is not support under modern mode.
10	info	2022/03/28 15:02:48	Skipping site managed features from "https://ahsay-my.sharepoint.com/personal/1648612357454". Reason=Web service request is not support under modern mode.
11	info	2022/03/28 15:02:48	Skipping web managed features from "https://ahsay-my.sharepoint.com/personal/1648612357454". Reason=Web service request is not support under modern mode.
12	info	2022/03/28 15:02:48	Start validating the presence and size of backup data in destination "AhsayCBS"...
13	info	2022/03/28 15:02:48	This backup job has no backup data in destination "AhsayCBS"
14	info	2022/03/28 15:02:48	Finished validating the presence and size of backup data in destination "AhsayCBS"
15	info	2022/03/28 15:03:25	Deduplication Info: File="Office 365/Site Collections/D901_ahsay-my.sharepoint.com%2fpersonal%2f1648612357454/Documents/D903_Microsoft Teams Chat Files/F01_guide_cbs_admin_v8_11022021.doc", 0.0% of file size saved by deduplication, number of deduplicated blocks=0, total number of blocks=58, deduplicated size=0, total size=75,529,728

On the sample backup report, it shows that DSC is disabled.

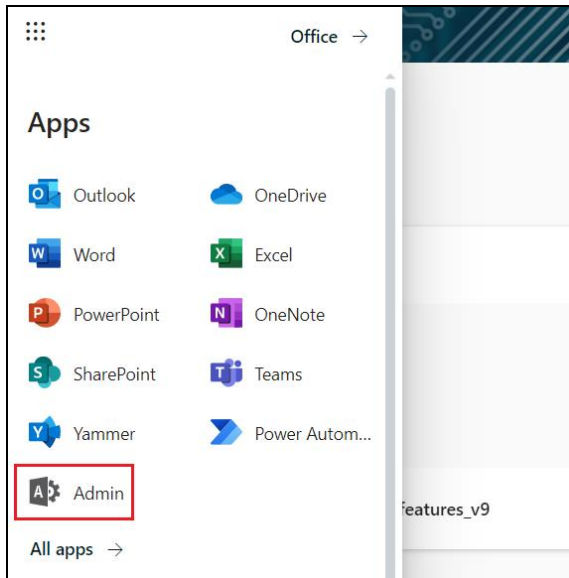
## Backup Report

Backup Logs			
No.	Type	Timestamp	Log
1	start	2022/03/30 12:00:05	Start [ Ahsay Cloud Backup Suite v9.1.3.18 ]
2	info	2022/03/30 12:00:08	Using Temporary Directory C:\Program Files\AhsayCBS\user\user\temp\1648612357454\Local@1648612503906
3	info	2022/03/30 12:00:31	Index file does not exist in the destination backup job folder "null"
4	info	2022/03/30 12:00:31	Create new index since no valid index exist on both local and destination
5	info	2022/03/30 12:00:33	Backup of "Allow multiple responses" setting in survey lists is not supported under modern authentication.
6	info	2022/03/30 12:00:41	Office 365 Data Synchronization Check is disabled (Debug option - Office365.DSCInterval = -1)
7	info	2022/03/30 12:00:46	[List] 100% (0/0) Listing items from: (csv-manila@ahsay.onmicrosoft.com)
8	info	2022/03/30 12:00:47	[List] 100% (22/22) Listing items from: Top of Information Store (csv-manila@ahsay.onmicrosoft.com)
9	info	2022/03/30 12:00:48	Index file does not exist in the destination backup job folder "null/b8d651e3-2215-3167-bd48-bbfbb6cb9c8f"
10	info	2022/03/30 12:00:48	Create new index since no valid index exist on both local and destination
11	info	2022/03/30 12:00:53	Backup E-mail Account: csv-manila@ahsay.onmicrosoft.com
12	info	2022/03/30 12:00:53	[List] 100% (0/0) Listing items from: Archive (csv-manila@ahsay.onmicrosoft.com)
13	info	2022/03/30 12:00:53	[List] 100% (1/1) Listing items from: Calendar (csv-manila@ahsay.onmicrosoft.com)
14	info	2022/03/30 12:00:53	[List] 100% (2/2) Listing items from: Calendar (csv-manila@ahsay.onmicrosoft.com)
15	info	2022/03/30 12:00:53	[List] 100% (0/0) Listing items from: Calendar/Birthdays (csv-manila@ahsay.onmicrosoft.com)
16	info	2022/03/30 12:00:54	[List] 100% (97/97) Listing items from: Calendar/United Kingdom holidays (csv-manila@ahsay.onmicrosoft.com)
17	info	2022/03/30 12:00:54	[List] 100% (0/0) Listing items from: Contacts (csv-manila@ahsay.onmicrosoft.com)
18	info	2022/03/30 12:00:54	[List] 100% (7/7) Listing items from: Contacts (csv-manila@ahsay.onmicrosoft.com)
19	info	2022/03/30 12:00:54	[List] 100% (0/0) Listing items from: Deleted Items (csv-manila@ahsay.onmicrosoft.com)
20	info	2022/03/30 12:00:54	[List] 100% (0/0) Listing items from: Drafts (csv-manila@ahsay.onmicrosoft.com)
21	info	2022/03/30 12:01:08	[List] 80% (512/635) Listing items from: Inbox (csv-manila@ahsay.onmicrosoft.com)

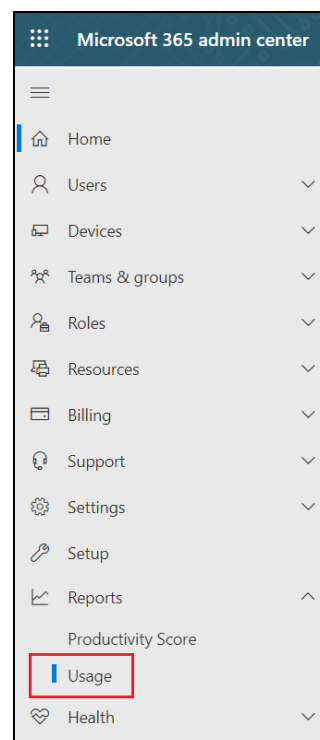
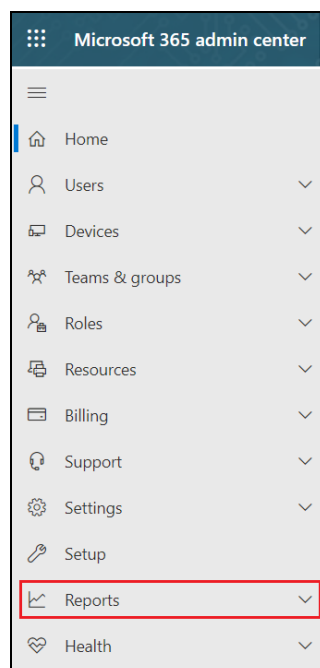
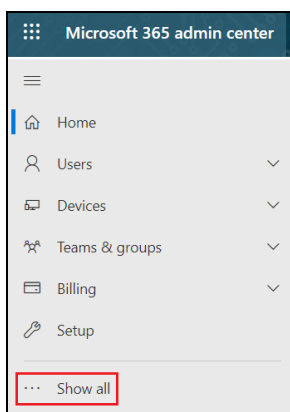
## Appendix F: How to view Item count and Storage used in Microsoft 365 Admin Center

To view the item count and storage size of Microsoft 365 user account based on the usage for Exchange (Outlook), OneDrive, and SharePoint, follow the instructions below:

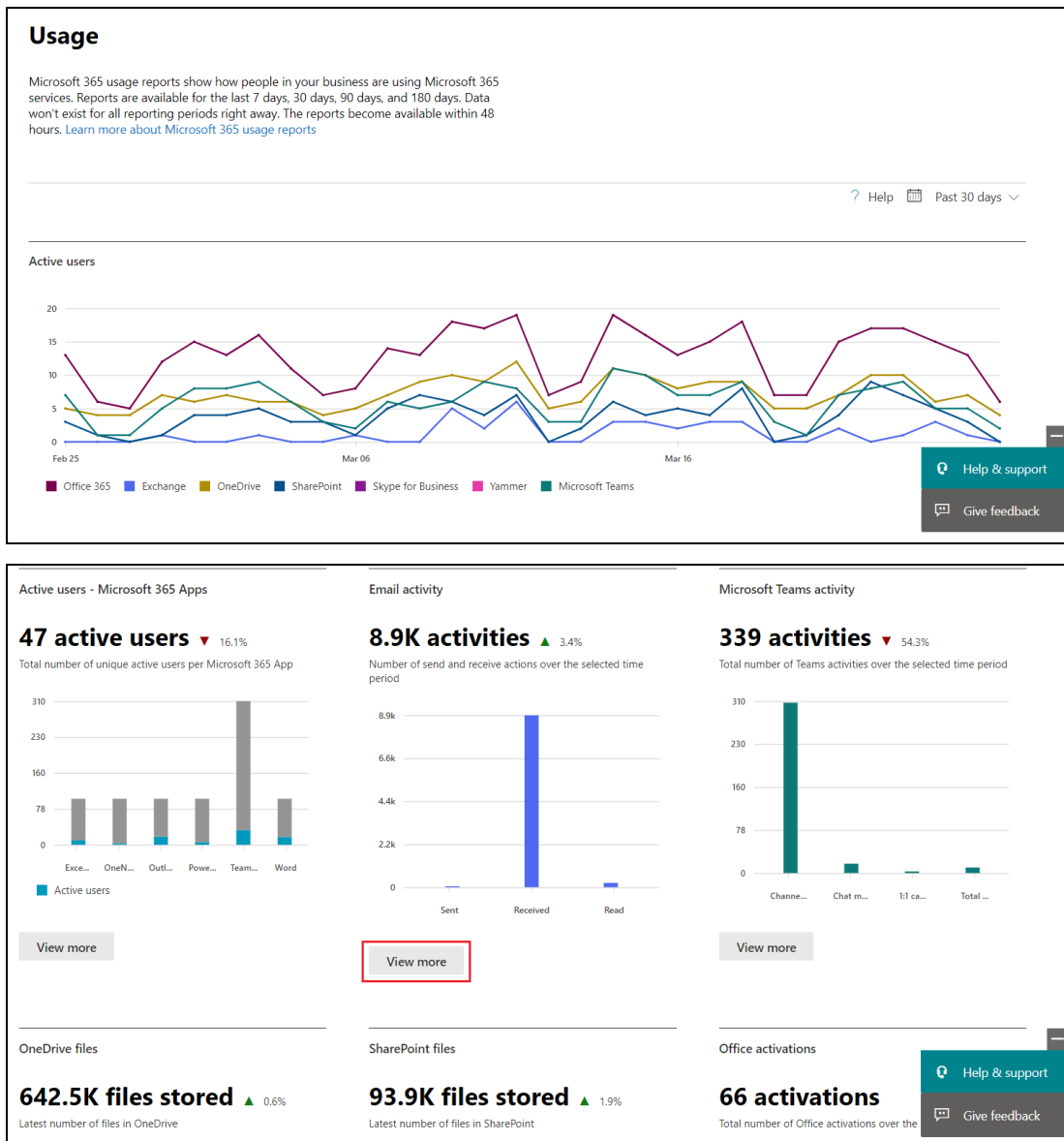
1. Login to the Microsoft 365 (<https://login.microsoft.com>).
2. Go to Microsoft 365 admin center.



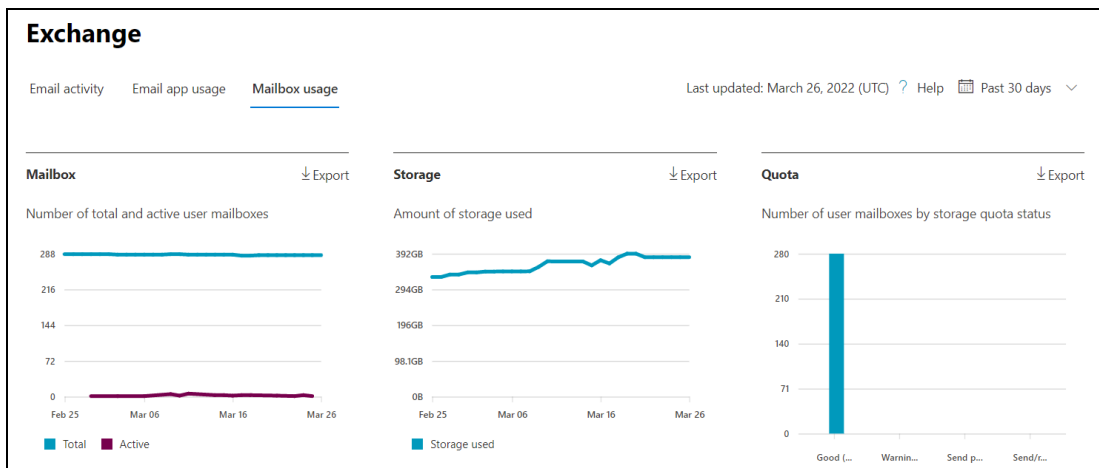
3. On the Microsoft 365 admin center, click **Show all** then click the dropdown arrow for the **Reports** and select **Usage**.



4. On the Usage screen, scroll down and click the **View more** button of the usage report that you want to view.



- For **Exchange**, click the **View More** button under Email activity, then go to **Mailbox usage**.



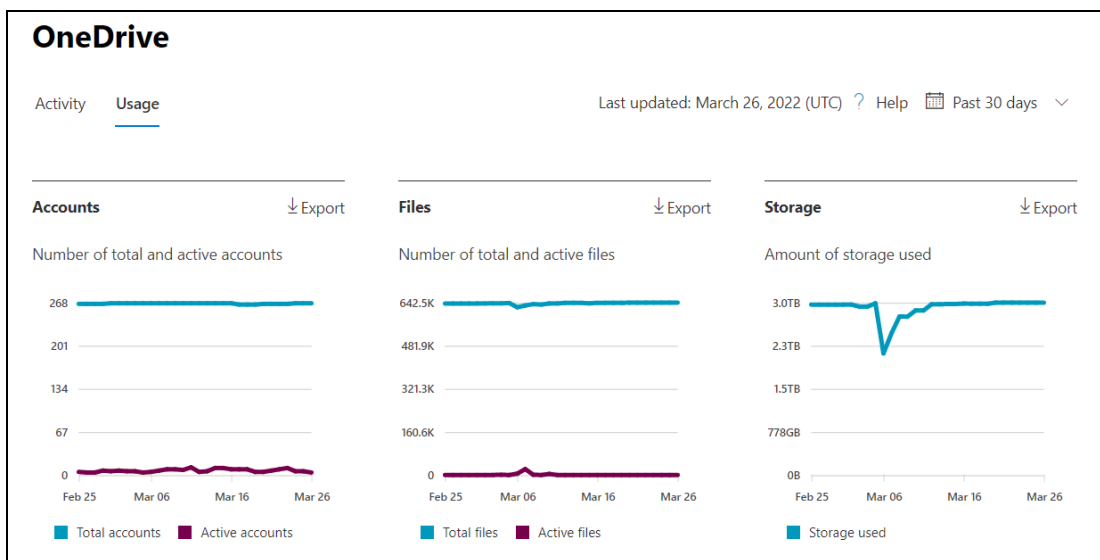
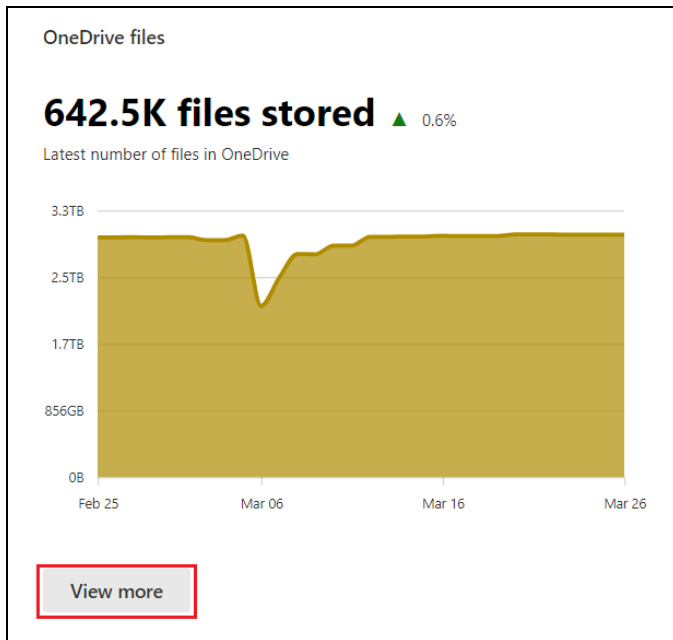
Highlighted columns are, Item count and Storage used (MB).

- ▶ **Item count** – number of mailbox items in Outlook per Microsoft 365 user account
- ▶ **Storage used (MB)** – storage used in MB size per Microsoft 365 user account

▾ Export   100 items ≡

Username	Last activity date (UTC)	Item count	Storage used (MB)	Quota status	🔗 Choose columns
77BCCEF29FED415CCE6EE1A4	Monday, June 21, 2021	475,649	102,546	🚫 Send/receive prohibited	
7A10DF8D137F05534BD71831	Wednesday, June 3, 2020	527,107	89,129	✅ Good (under limits)	
AC36F8AE27523BD6C341A64	Monday, March 21, 2022	307,861	41,178	✅ Good (under limits)	
B513F4513C300EFFF647FED5I	Wednesday, March 16, 2022	12,992	35,368	✅ Good (under limits)	
5252D747F199691DED822726	Tuesday, July 20, 2021	140,807	13,039	✅ Good (under limits)	

6. For **OneDrive**, click the **View More** button under OneDrive files.



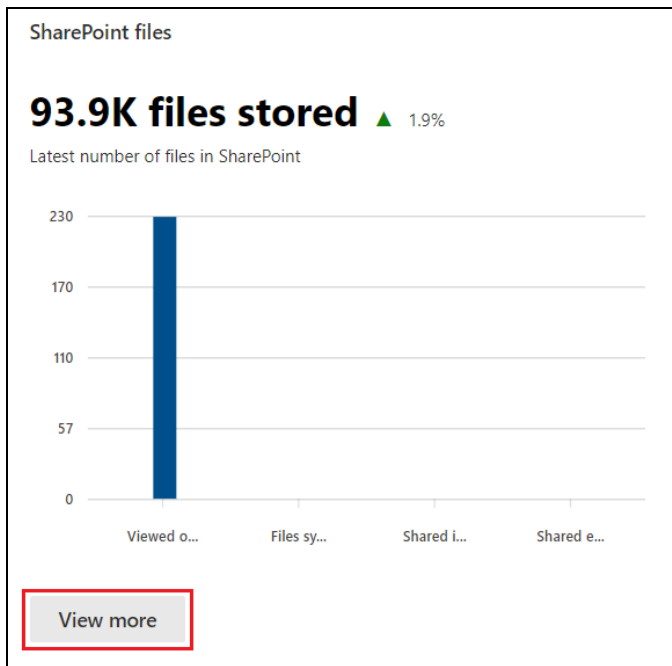
Highlighted columns are, Files and Storage used (MB).

- 🔵 **Files** – number of files in OneDrive per Microsoft 365 user account
- 🔵 **Storage used (MB)** – storage used in MB size per Microsoft 365 user account

↓ Export 100 items

URL	Owner principal name	Last activity date (UTC)	Files	Active files	Storage used (MB)
85020A16D191961B6FF5F9F9E	EF2D97C6B7E96131AB26327C		0	0	2
133C6F634EDAED8B325F34A	87BACCAFAFB7D267C6F7609	Tuesday, March 22, 2022	5	1	150
F1814962EA16EFFDDC1DED21	E3CFB36D2C508888C216EF8B		0	0	2
B83A4C6013BFA395AAB499E	A6520A6D09563C27BDFBEAD	Wednesday, March 3, 2021	15	0	6
3450D92B766F9ABDFD6CA6I	047D65F02E3C4F1EDE485753	Thursday, September 2, 2021	79	0	273

7. For **SharePoint**, click the **View More** button under SharePoint files then go to **Site usage**.



Highlighted columns are, Files and Storage used (MB).

- 🔵 **Files** – number of files in SharePoint per Microsoft 365 user account
- 🔵 **Storage used (MB)** – storage used in MB size per Microsoft 365 user account

↓ Export 100 items

Site URL	Site owner principal name	Last activity date (UTC)	Files	Active files	Storage used (MB)
16FC1EE1C5429C0F8C15B3755	96AD427D7FE68D15DB7F588	Monday, August 23, 2021	5	0	7
CE7B0A965F638CB1E6671EAF	C8B2E1F841035CC5FC00A185		0	0	1
41BB097EBEE82DFF51FE5ED	5B2B9460FC5A6EF1EF9258FF	Thursday, December 31, 2020	7	0	2
E177BDB6FAEA3150B8209D9C	1F4F38D749F4E4E5C4D1DC95		3	0	1
9EBCCBA92231CB1E9ADED3	0B489CE34CCFBED77FA199F4	Tuesday, August 24, 2021	36	0	13

## Appendix G: Re-Authentication of Microsoft 365 Backup Set

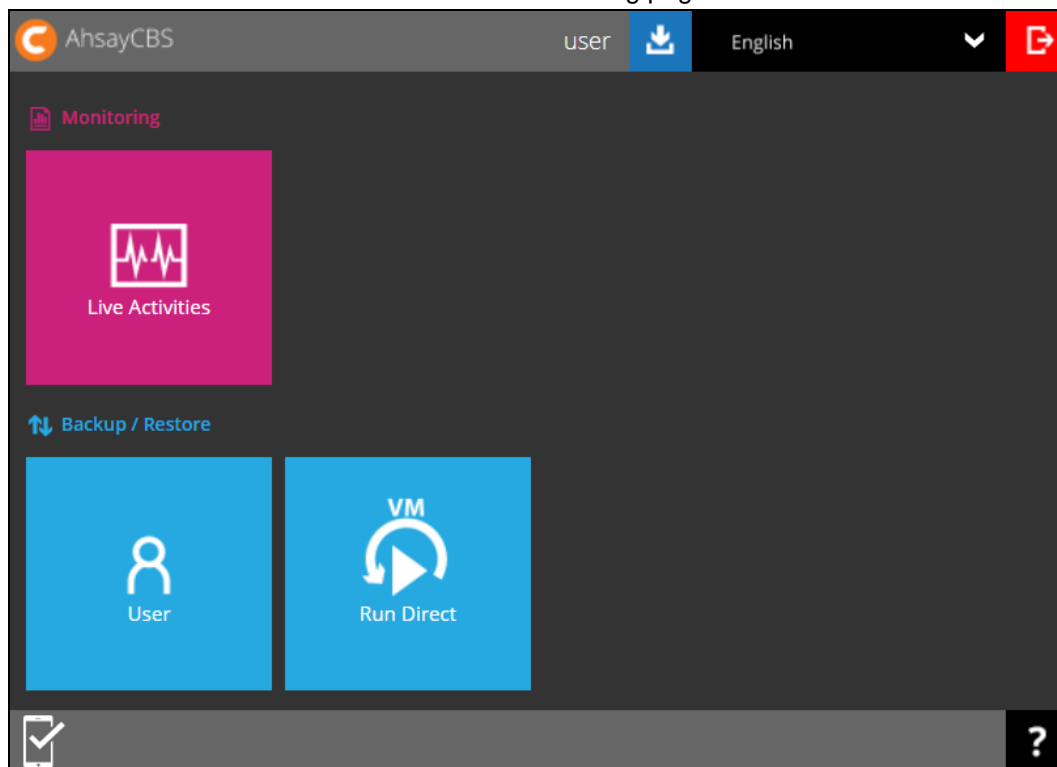
After upgrading to AhsayCBS v9 or above, Microsoft 365 backup settings of existing backup sets must be updated. This will ensure that moving forward there will be no backup and restore issues to be encountered once Microsoft implements its product roadmap for Modern Authentication. This only needs to be done once per backup set.

To update the backup settings, follow the instructions below:

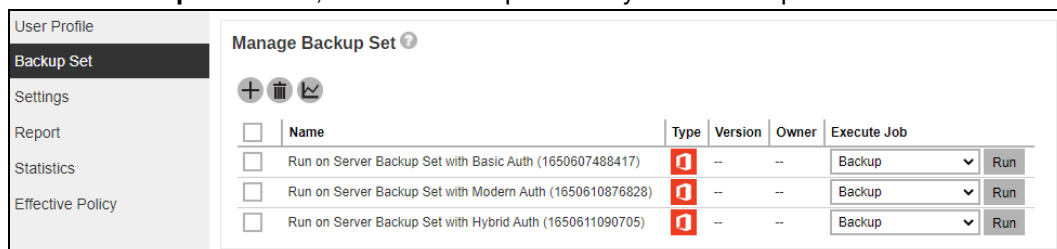
1. Log out all Microsoft 365 account on the default browser before starting the update of backup set.
2. Log in to the User Web Console.

For instructions on how to do this please refer to [Chapter 2](#) of the AhsayCBS v9 User Guide.

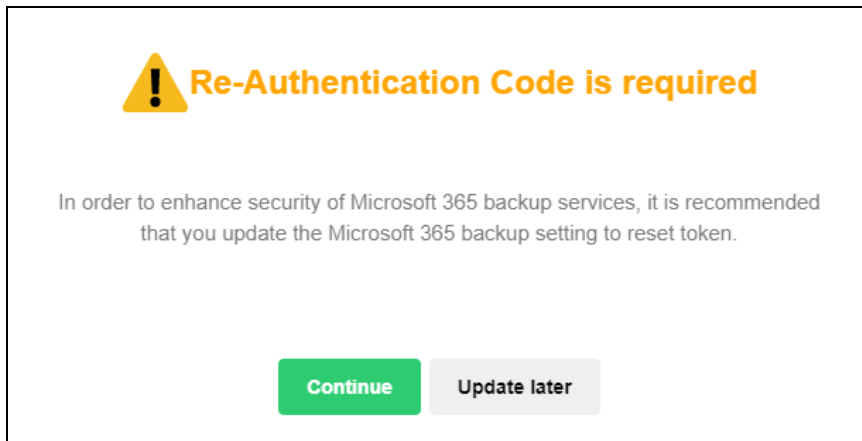
3. Click the **User** icon on the User Web Console landing page.



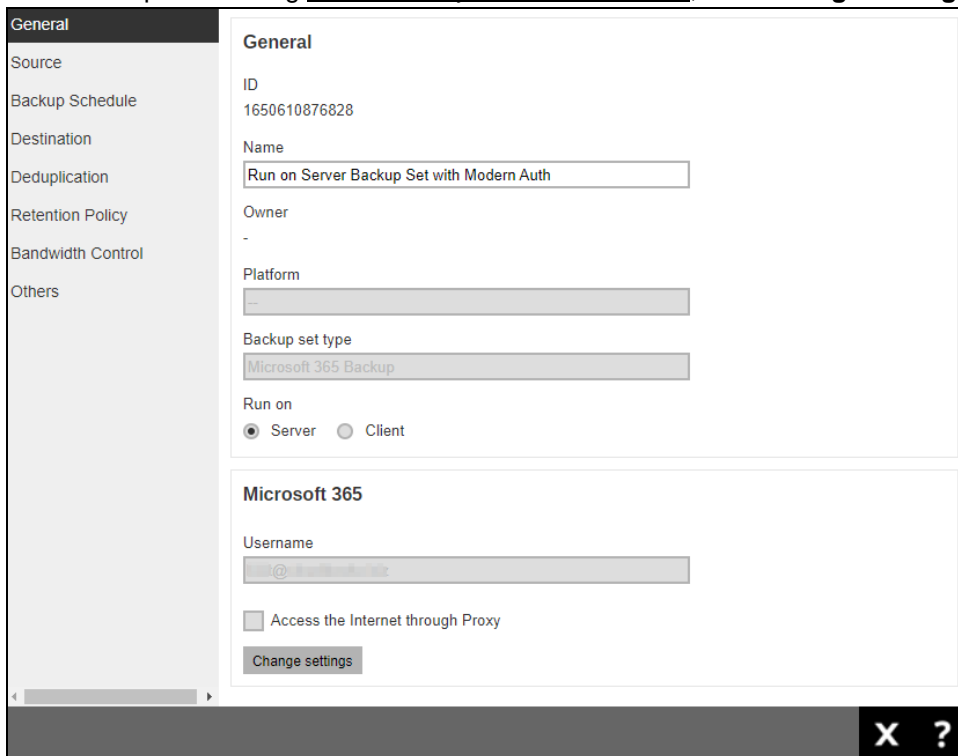
4. On the **Backup Set** menu, click the backup set that you want to update.




5. If the backup set is using Basic Authentication, this pop up message will be displayed. Click **Continue**.

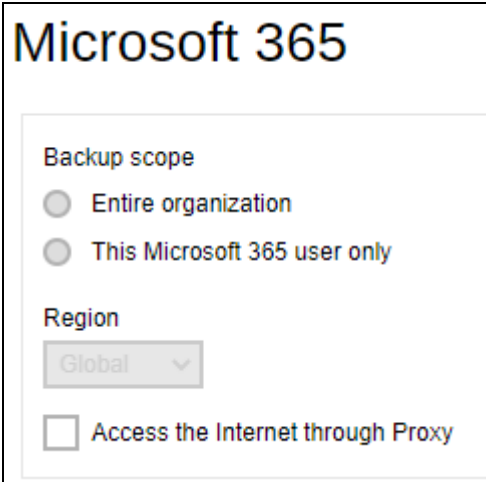


If the backup set is using Modern or Hybrid Authentication, click **Change settings**.





6. Click  to proceed with the authentication process.



Microsoft 365

Backup scope

☐ Entire organization

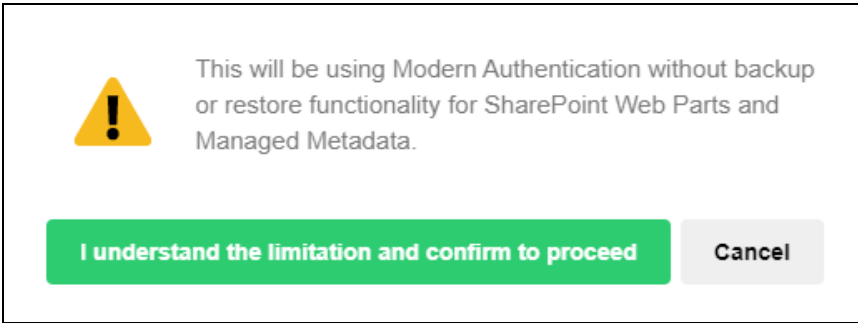
☐ This Microsoft 365 user only


Region

Global ▼

☐ Access the Internet through Proxy

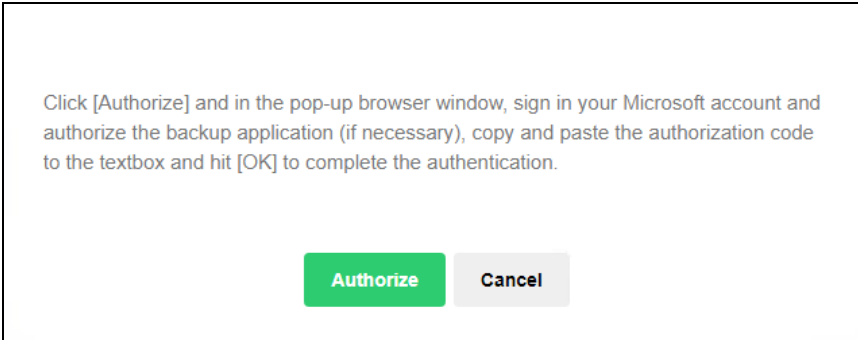
7. Click **I understand the limitation and confirm to proceed.**



 This will be using Modern Authentication without backup or restore functionality for SharePoint Web Parts and Managed Metadata.

**I understand the limitation and confirm to proceed** Cancel

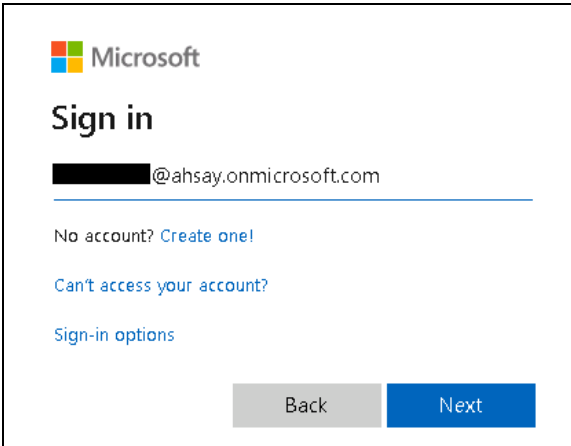
8. Click **Authorize** to proceed with the authentication.




Click [Authorize] and in the pop-up browser window, sign in your Microsoft account and authorize the backup application (if necessary), copy and paste the authorization code to the textbox and hit [OK] to complete the authentication.

Authorize Cancel

9. Sign in to your Microsoft 365 account.



 Microsoft

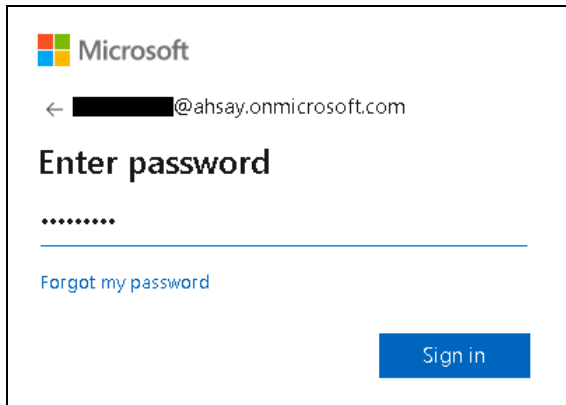
Sign in

No account? [Create one!](#)

[Can't access your account?](#)

[Sign-in options](#)

Back Next



Microsoft

← [REDACTED]@ahsay.onmicrosoft.com

### Enter password

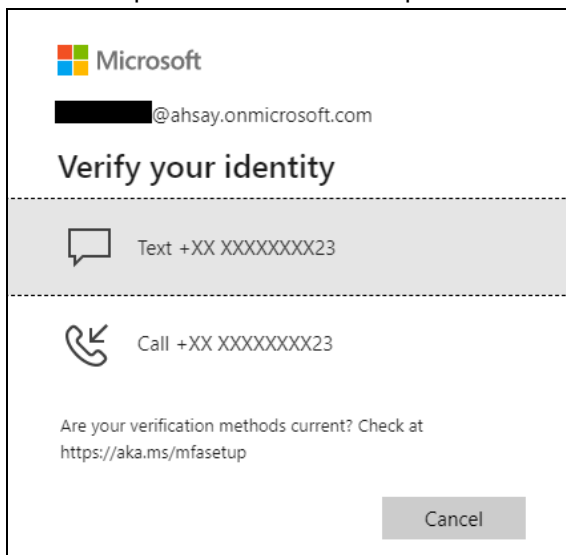
.....

[Forgot my password](#)

Sign in

If MFA is enforced, select from Text or Call to verify your identity.

Otherwise proceed to the next step.




Microsoft


[REDACTED]@ahsay.onmicrosoft.com

### Verify your identity

---

 Text +XX XXXXXXXXX23

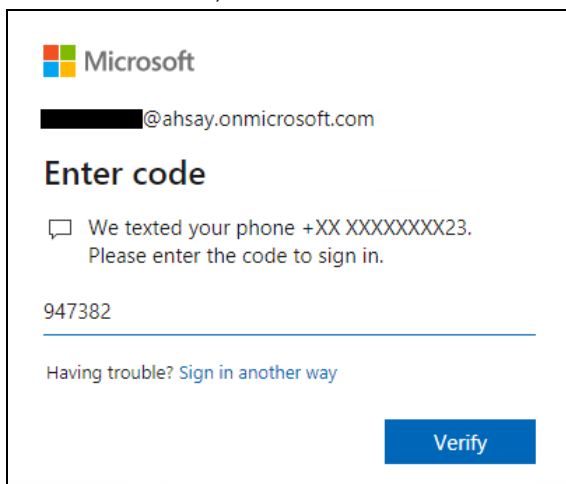
---

 Call +XX XXXXXXXXX23

Are your verification methods current? Check at <https://aka.ms/mfasetup>

Cancel


If Text is selected, enter the verification code sent to your mobile device and click **Verify**.



Microsoft

[REDACTED]@ahsay.onmicrosoft.com

### Enter code

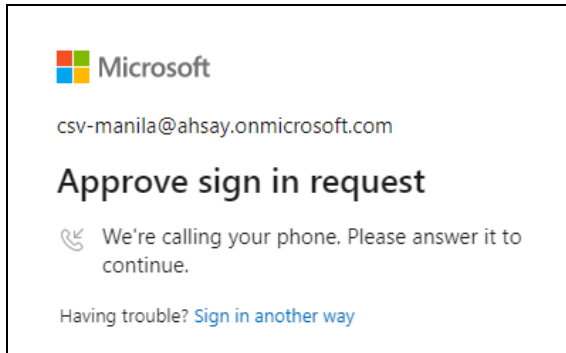
 We texted your phone +XX XXXXXXXXX23.  
Please enter the code to sign in.

947382

Having trouble? [Sign in another way](#)

Verify

If Call is selected, answer the call and follow the instructions given to verify the account.



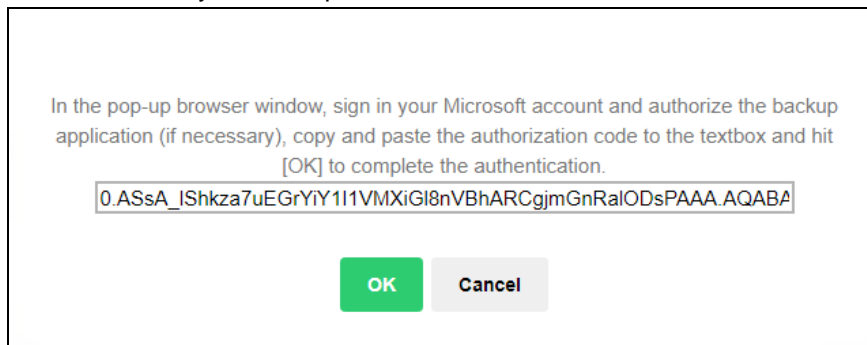
**NOTE**

The verification code will only be required if the MFA status of a Microsoft 365 account is enforced.

10. Copy the Authorization code.



11. Go back to AhsayCBS and paste the code. Then click **OK**.



12. Click **Save** to finish the update.

The screenshot shows a settings window with a left sidebar and a main content area. The sidebar lists various settings categories: General, Source, Backup Schedule, Destination, Deduplication, Retention Policy, Bandwidth Control, and Others. The 'General' category is selected and highlighted. The main content area is divided into two sections. The top section, titled 'General', contains fields for 'ID' (1648711530581), 'Name' (RoS Ordinary M365 account), 'Owner' (-), and 'Backup set type' (Microsoft 365 Backup). Below these is a 'Run on' section with radio buttons for 'Server' (selected) and 'Client'. The bottom section, titled 'Microsoft 365', contains a 'Username' field (partially filled with 'i@'), a 'Region' dropdown menu (set to 'Global'), a checkbox for 'Access the Internet through Proxy' (unchecked), and a 'Change settings' button. At the bottom right of the window, there is a dark grey bar with three icons: a green square with a white document icon, a white 'X' icon, and a white question mark icon.

**General**

Source

Backup Schedule

Destination

Deduplication

Retention Policy

Bandwidth Control

Others

**General**

ID  
1648711530581

Name  
RoS Ordinary M365 account

Owner  
-

Backup set type  
Microsoft 365 Backup

Run on  
☒ Server ☐ Client

**Microsoft 365**

Username  
i@

Region  
Global

☐ Access the Internet through Proxy

Change settings

Save X ?