



Backup Administration for Microsoft 365 Manual – version 7.2



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Introduction to Backup Administration for Microsoft 365

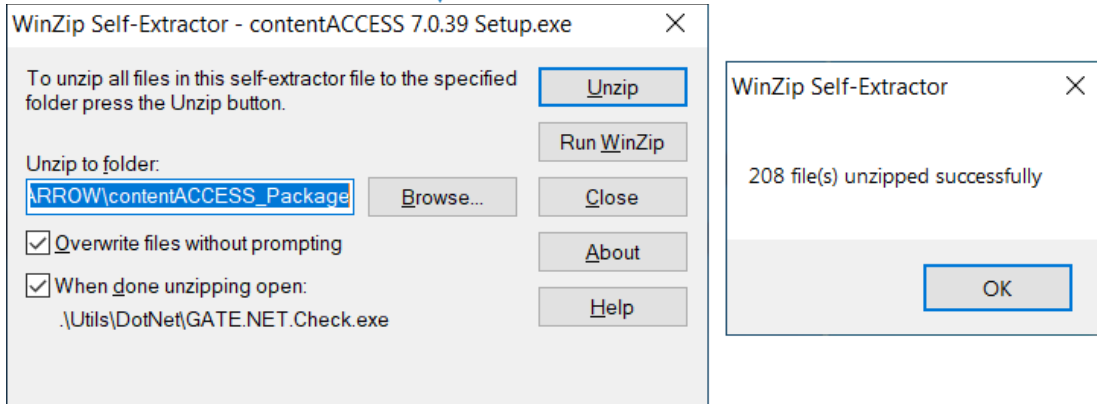
Backup Administration for Microsoft 365 is a user-friendly solution designed to address various backup scenarios encountered by organizations. It provides support for email, OneDrive, SharePoint, and Teams management, and it even offers cloud backup solutions. This tool simplifies task implementation and data backup procedures, offering a straightforward approach to securely storing essential data.

With Backup Administration, users can seamlessly configure plugin instances (jobs) in the background to manage tasks efficiently without interrupting their workflow or compromising access to critical data. Moreover, the platform ensures unified access to stored content, regardless of the target destination, streamlining data retrieval processes.

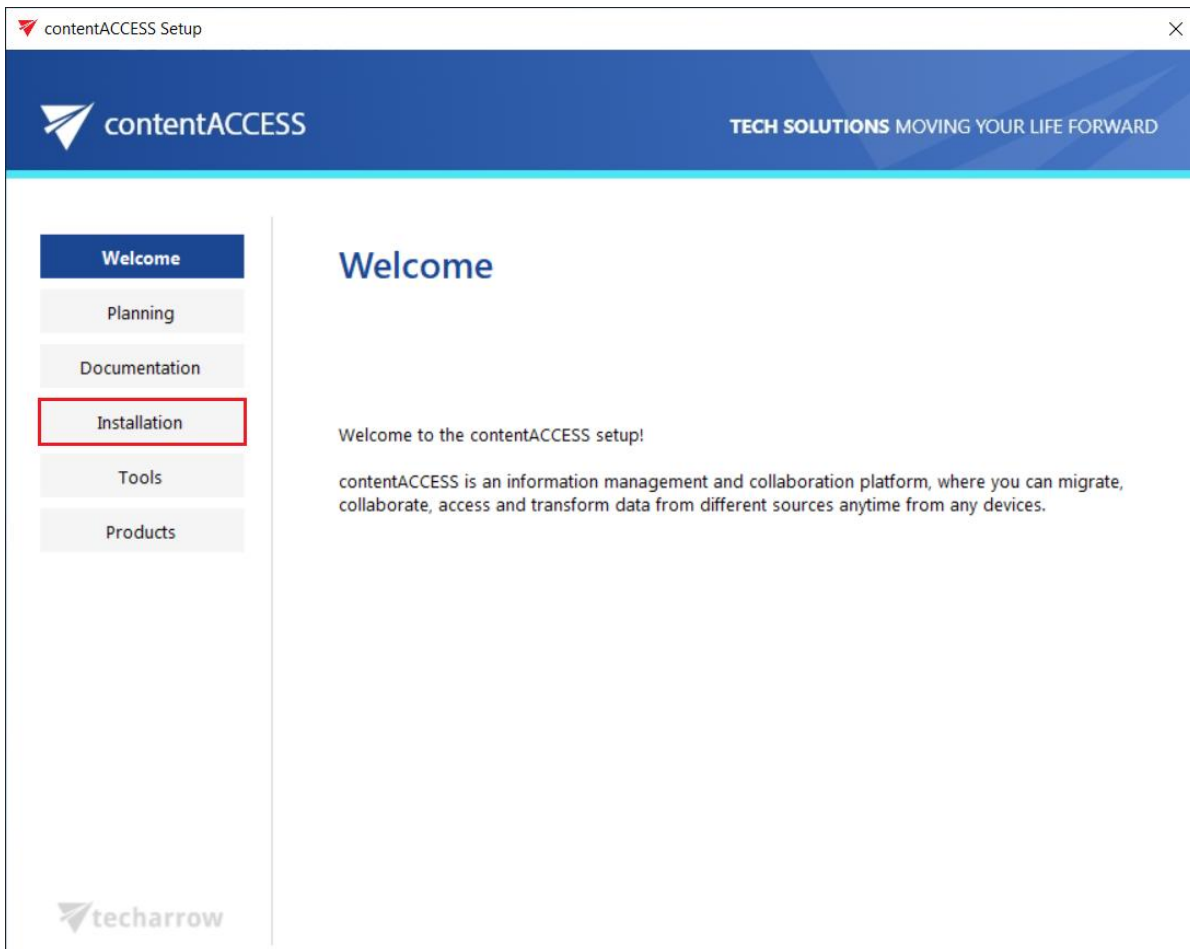
In addition, Backup Administration is seamlessly integrated with contentACCESS framework. This synchronization mechanism ensures that any configuration changes made in either platform are automatically reflected in the other. For instance, creating a storage in Central Administration will promptly appear in Backup Administration, and vice versa, enhancing consistency and efficiency across the backup infrastructure.

Installation of the Backup Administration

Backup Administration is part of the contentACCESS setup package. To install Backup Administration (and the other components), **download** and **run** the setup package (contentACCESS X.X Setup.exe). By default, it unzips to the **C:\TECH-ARROW\contentACCESS_Package** folder, but you can use the **Browse** button to change the directory. After the files are successfully unzipped, click **OK**.



After this, the contentACCESS installation wizard opens and leads you through the steps of the deployment process. Click **Installation** on the Welcome page.

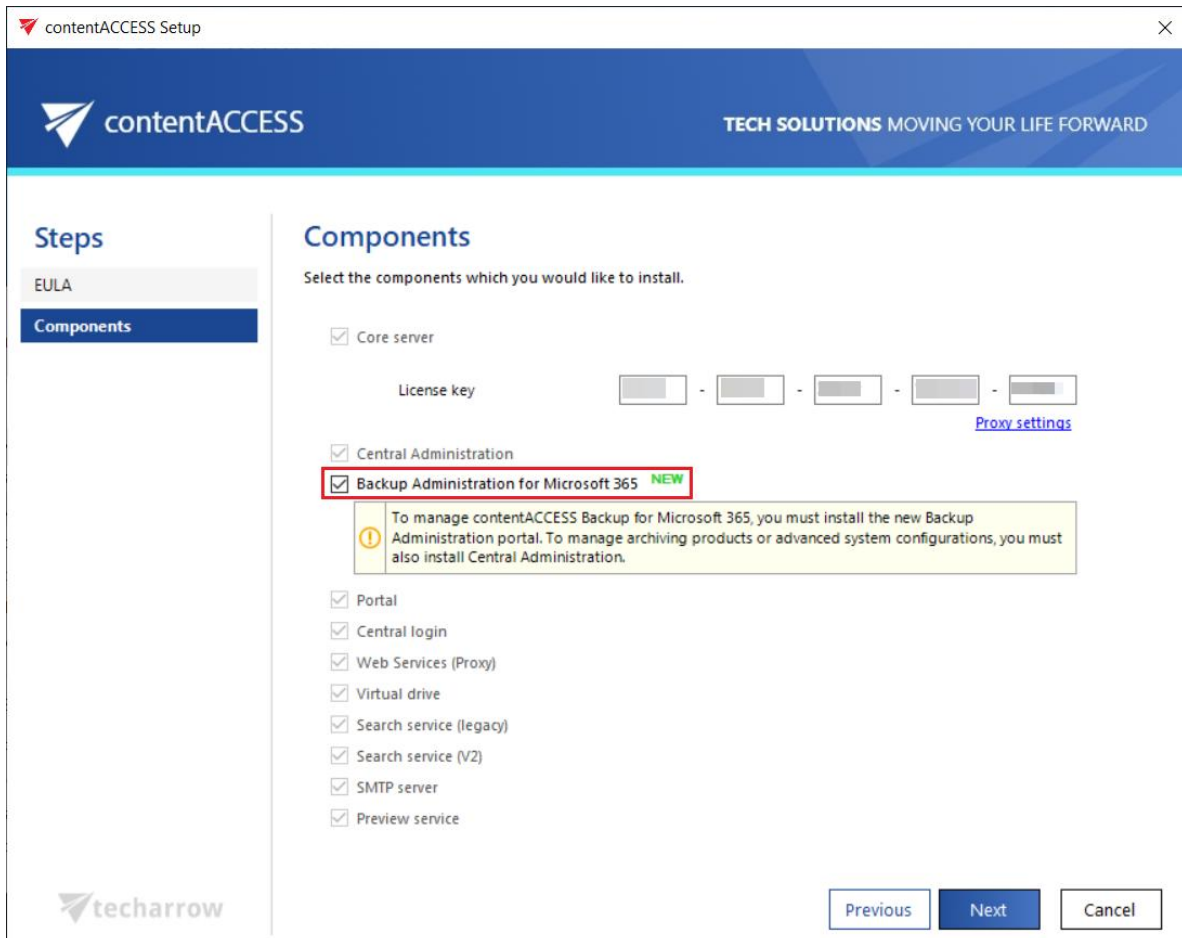


After you have carefully read the End User License Agreement and clicked **NEXT** to accept the terms of the agreement, you will be redirected to the **Components** page. Please be aware that we



will only describe the Backup Administration configuration here; the step-by-step configuration of the other contentACCESS components can be viewed in the [contentACCESS Manual](#).

In this section, we will only guide you through the installation process of the Backup Administration component.



Upon reaching the Backup Administration for Microsoft 365 page, you can define the port number that the Backup Administration for Microsoft 365 will use.

Port: This port is the physical port of Backup Administration used by the Internet Services (IIS) on the current server.

Fully qualified domain name: FQDN allows the user to access the given component (in this case Backup Administration) from everywhere (from home, from the office, etc.). The FQDN that's



defined here is written in the Application settings (**System** tab => **Client applications** group => **Application settings** page) in the Central Administration and can be changed from there any time.

During the next update, the setup will automatically read the value defined in the **Application settings**.

contentACCESS service connection: This URL is used by Backup Administration to communicate with the contentACCESS server. If contentACCESS server is installed on the same machine, you can use "localhost" as host name. There are 2 communication types that can be used between Backup Administration and the contentACCESS server:

- **http** – use this if you want to establish a direct connection with contentACCESS. If direct connection should be used, do not change the port number that's prefilled by the setup package (8735), otherwise contentACCESS proxy connection will be used automatically.
- **https** – use this to establish a secure connection through the contentACCESS Proxy server



contentACCESS Setup
✕

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Steps

- EULA
- Components
- Prerequisites
- Options
- Service settings
- Database connection
- Central Administration
- Backup Administration

Backup Administration for Microsoft 365

On this page you can define the port number the Backup Administration for Microsoft 365 will use.

Port

?

Fully qualified domain name

https
v

://

:

443
v

?

Test connection

contentACCESS service connection

http
v

://

:

8735
v

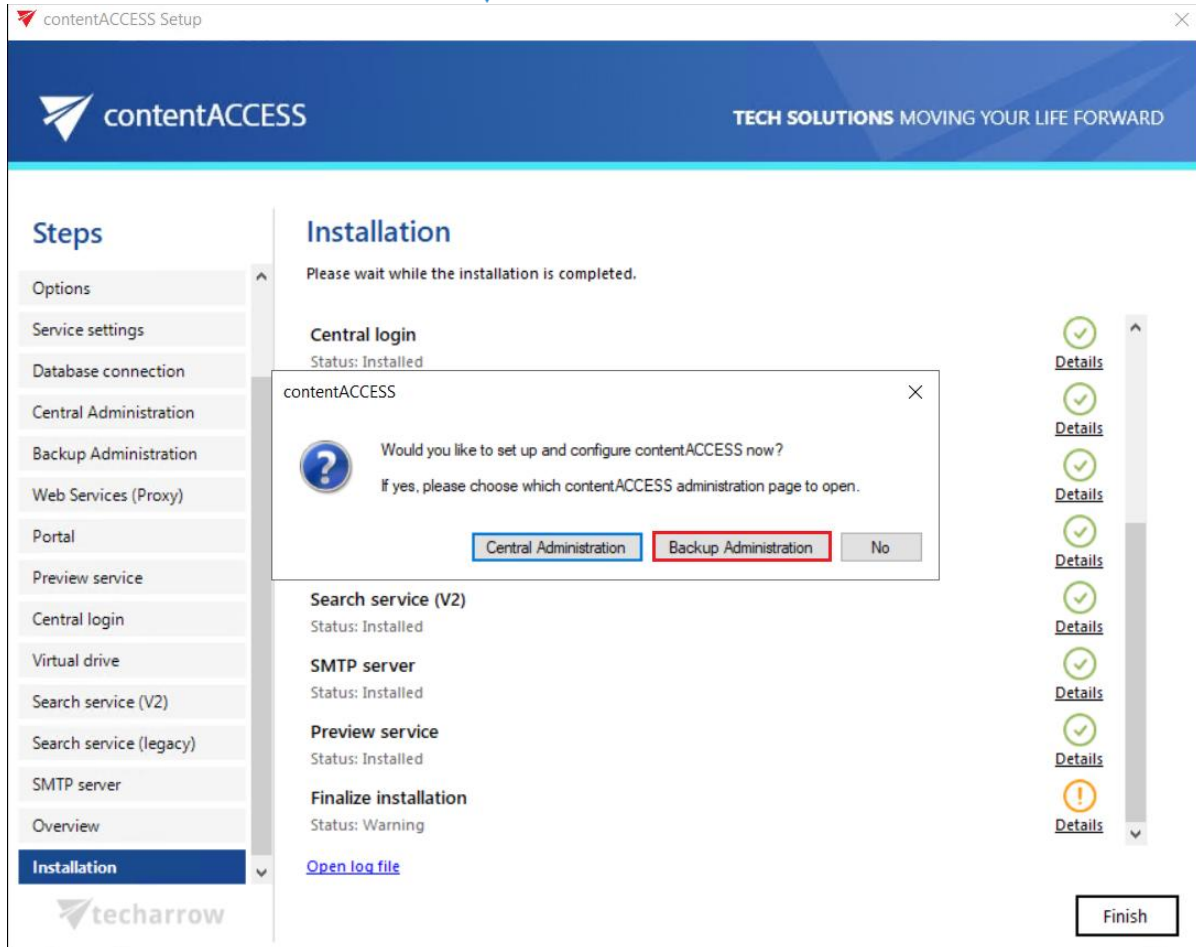
?

Test connection

Previous
Next
Cancel

Once all components are set, click Install on the [Installation](#) page, and Backup Administration will be installed along with the other components.

When all required components are installed, click **Finish** to complete the installation process. If you want to continue with further settings and configurations in contentACCESS (Central Administration or Backup Administration), choose one of the two available buttons to select the administration page you wish to configure.



User interface of Backup Administration

Backup Administration for Microsoft 365 is a user interface for administrators, allowing them to configure the server, create new automatically running jobs to process company data, configure these jobs, adjust framework feature settings, set up schedulers, manage databases and storages, and create clusters.

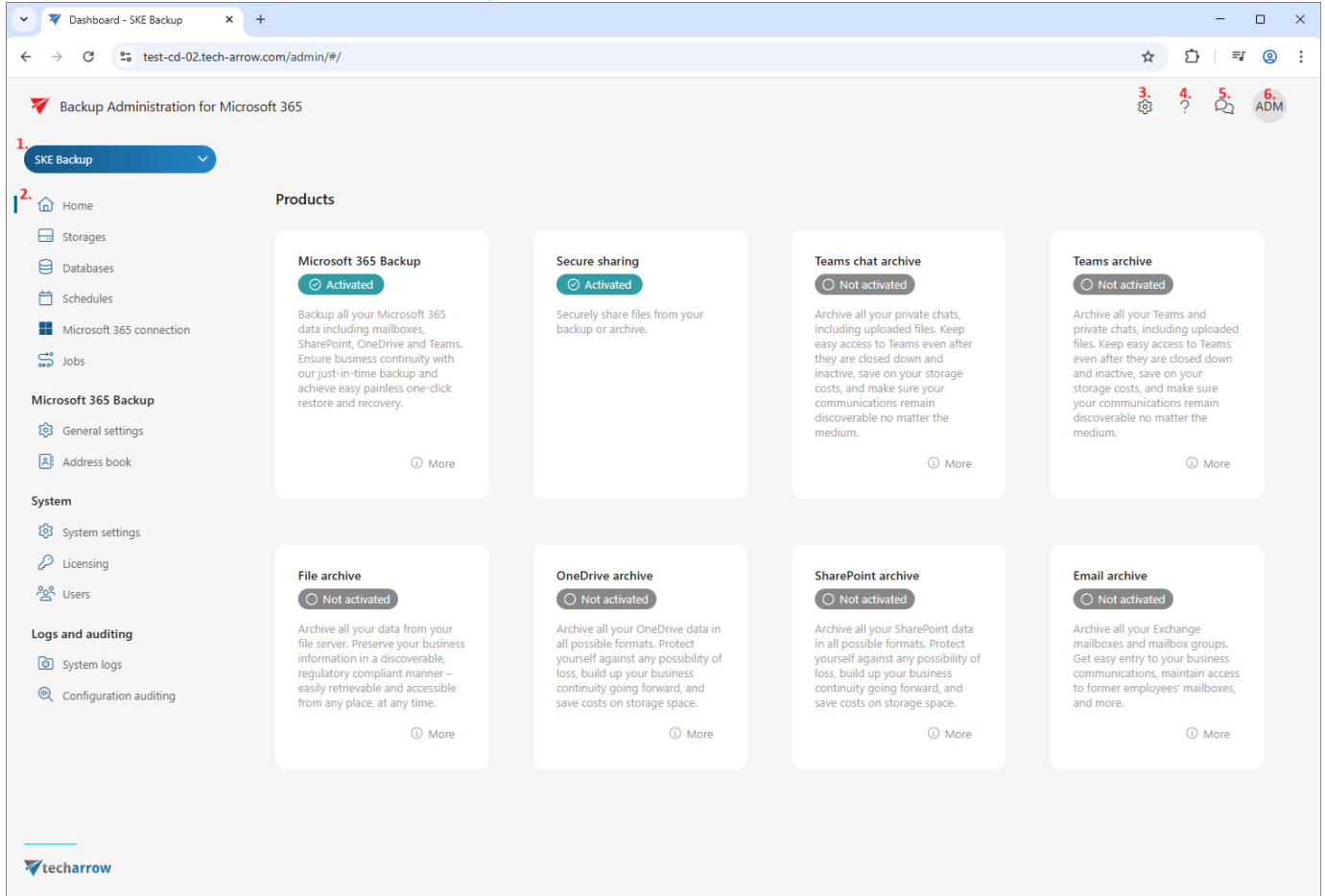
The user interface of Backup Administration is divided into the following sections:

1. **Tenant selector** – you can switch between the available tenants on the left side of the page by clicking the Tenant selector dropdown menu
2. **Side menu** – the menu on the left side of the user interface provides navigation between the different tabs and features available in the Backup Administration system. This menu

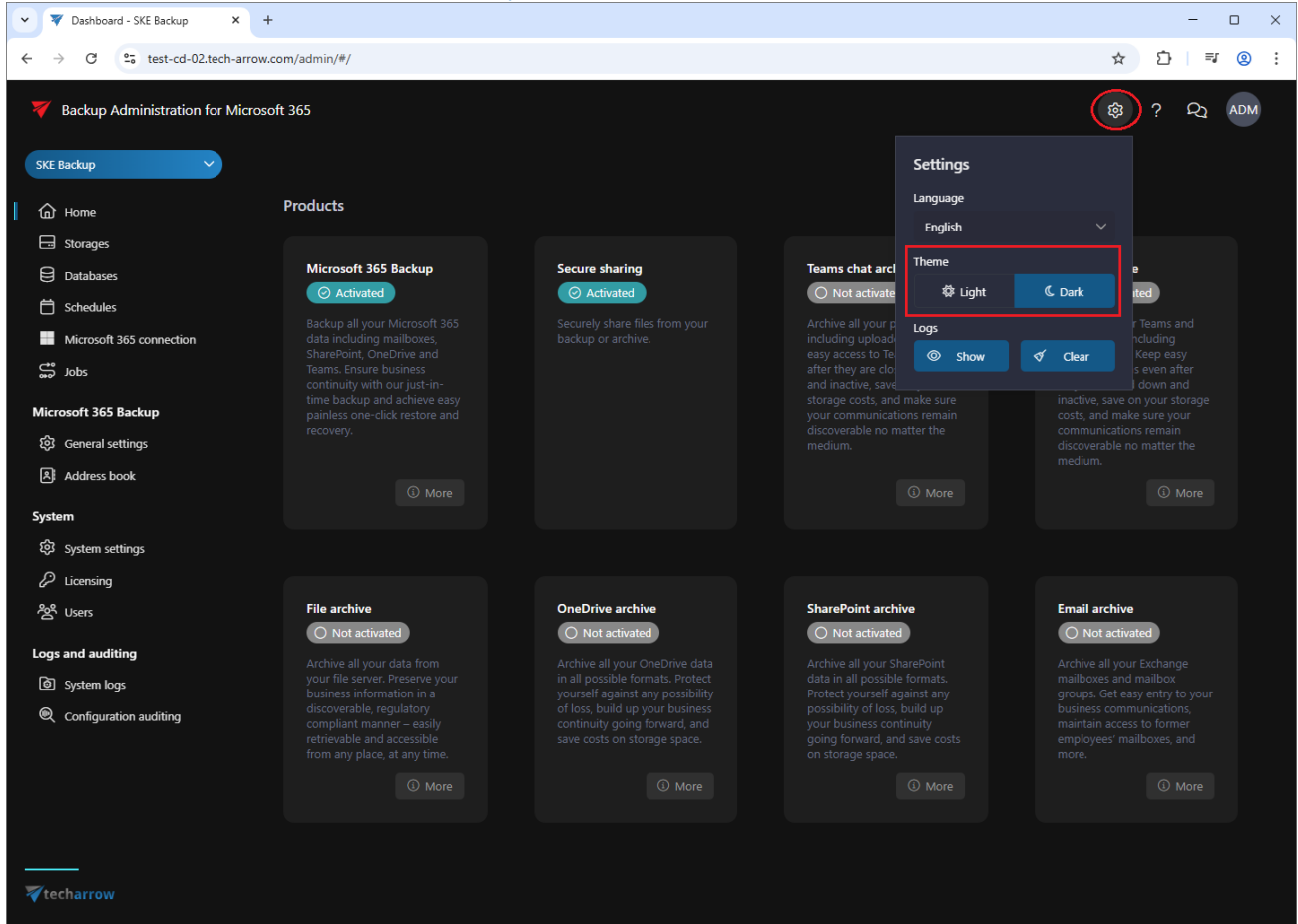


is divided into three sections: **Common features** (Home, Storages, Schedules, Microsoft 365 connection, Jobs), **Microsoft 365 Backup** (General settings, Address book), and **Logs and auditing** (System logs and Configuration auditing). All features will be described in detail in the subsequent chapters.

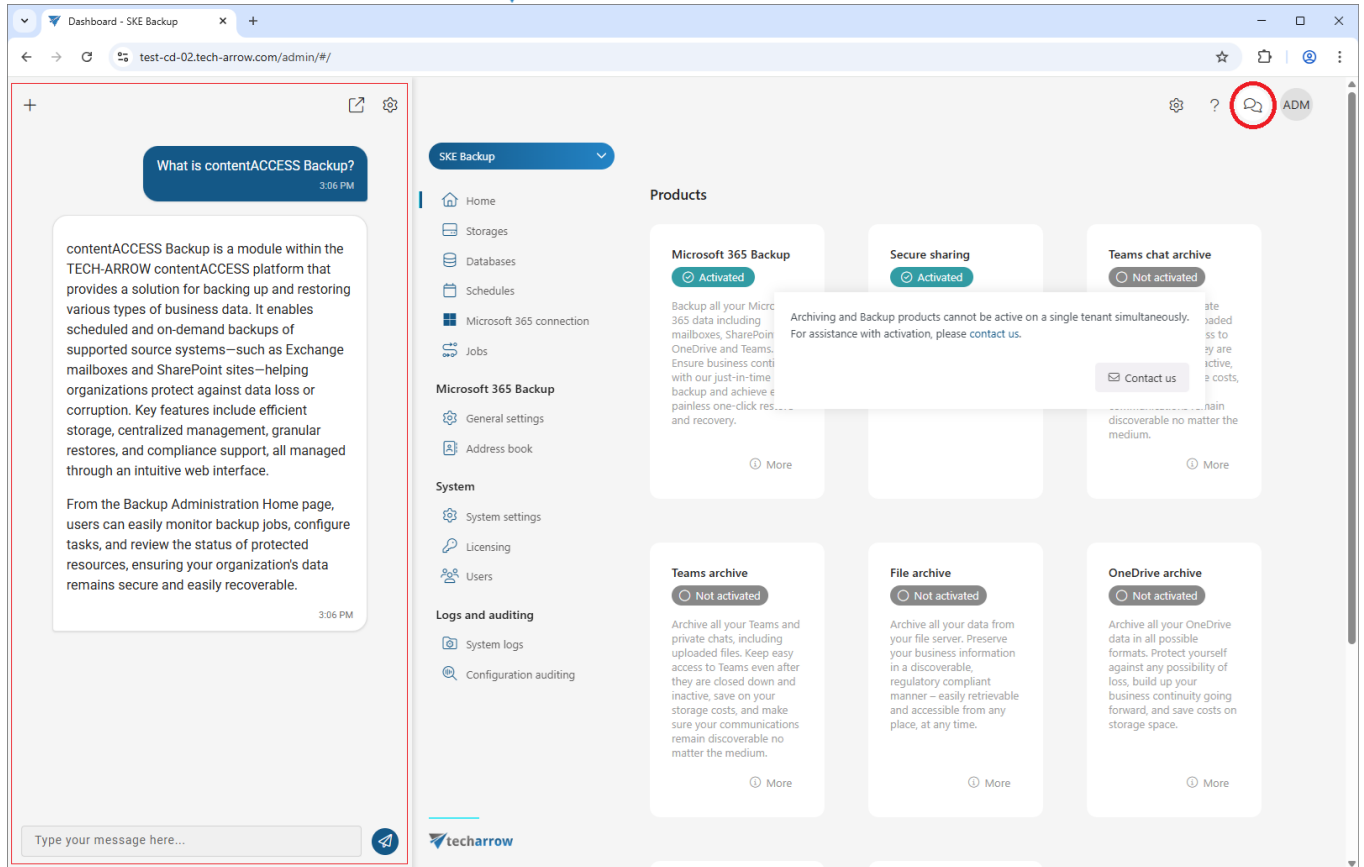
3. **Settings** – the gear icon opens a pop-up window that allows you to set the language, choose between light mode and dark mode, and check or clear the logs. Currently, only English and German languages are supported on the server.
4. **Help** – the question mark icon opens the Backup Administration documentation in Tech-Arrow's Documentation center.
5. **Chat** - this is an integrated AI-powered assistant designed to enhance user experience within contentACCESS Backup. It is available both as a [standalone chat](#) and as a contextual sidebar chat directly within the Backup Administration interface. The embedded sidebar assistant provides context-aware support, enabling users to ask questions related to the specific page or function they are currently viewing. This makes it easier to find relevant guidance and navigate the system efficiently.
6. **User information** – this pop-up window contains information about the logged-in user. Additionally, you can easily sign out by clicking the **Sign out** button.



Screenshot: The preview of the user interface in light theme



Screenshot: The preview of the user interface in dark mode



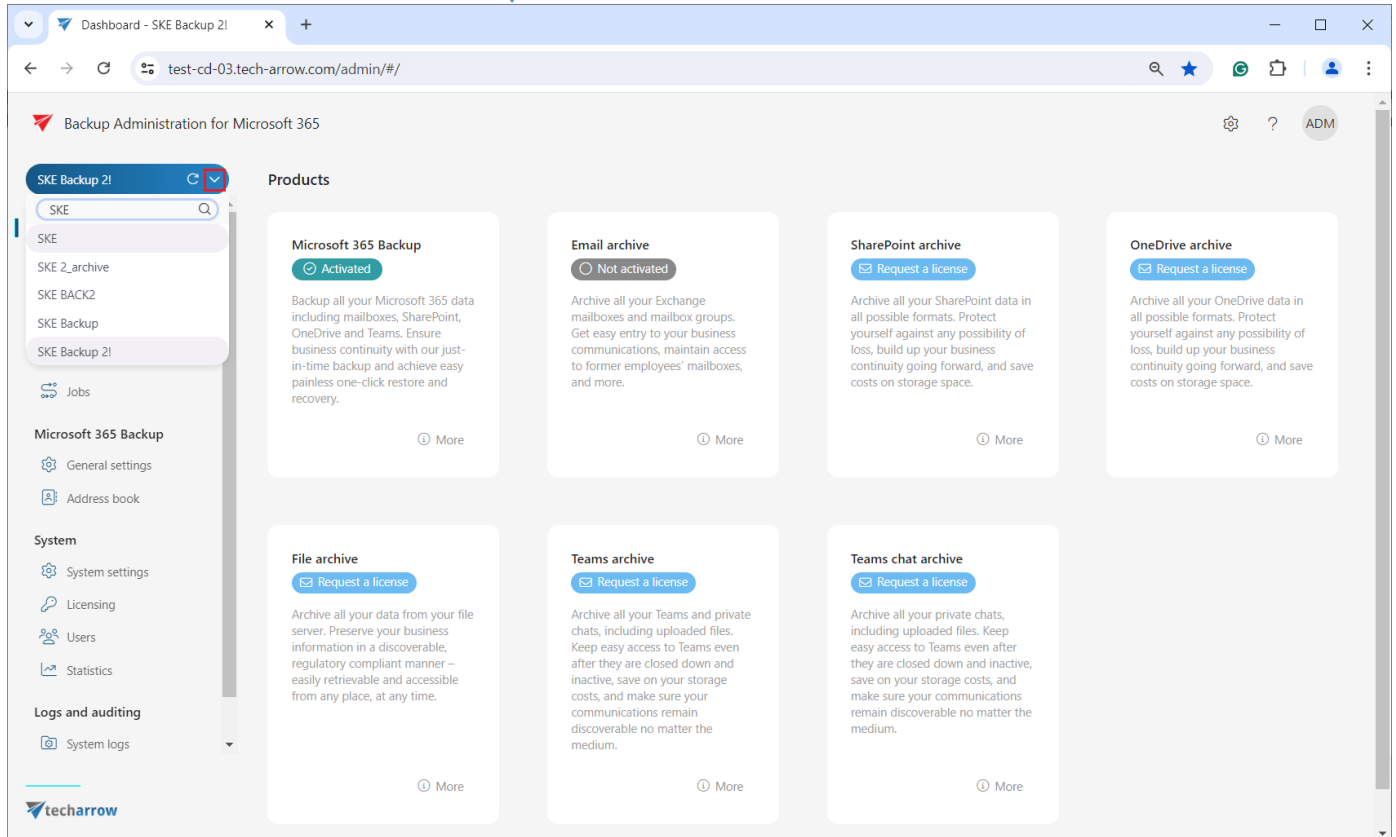
Screenshot: Chat in the Backup Administration interface

Tenant selector

The **Tenant selector** dropdown menu provides easy navigation between different tenants within the Backup Administration for Microsoft 365 system. It's important to note that tenant configuration **cannot be done** within Backup Administration; only the tenants configured on the contentACCESS server will appear in the system.

By selecting from the available options in the dropdown menu, users can efficiently manage multiple tenants and streamline their workflow within the contentACCESS environment. The tenant selection is also **refreshable**, and users can **search** through the available tenants by typing a keyword into the search textbox.

For more detailed information about tenant configuration and tenants in general, please refer to the [Tenants in contentACCESS](#) chapter in the contentACCESS documentation.



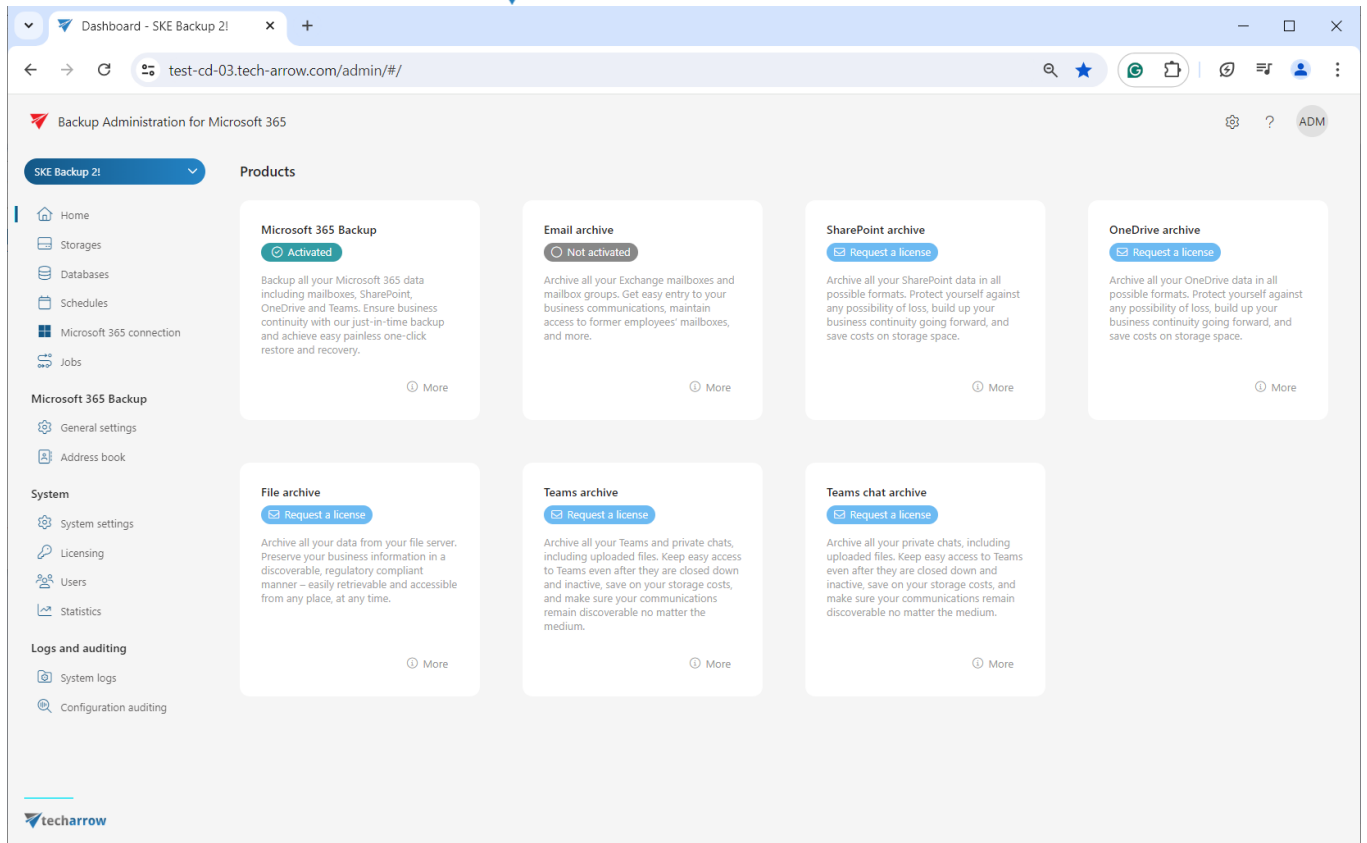
Backup Administration menu

The Backup Administration for Microsoft 365 menu lists various tabs and features that allow you to navigate through different aspects of the system. For instance, you can access tabs such as Storages, Schedules, and General settings, enabling you to customize your Backup Administration experience.

Additionally, you can explore other tabs like Address book or Jobs, where you can configure backup and restore jobs, or monitor system activities through the tabs like System logs and Configuration auditing.

You can also access features related to contentACCESS through the menu in Backup Administration. If you want to check system settings, statistics, available users, or licensing, you can do this without having to open Central Administration in your browser. Select the desired function in the System section ([System settings](#), [Licensing](#), [Users](#), [Statistics](#)), and with one click, the corresponding page will open immediately in a new window.

Each tab and feature will be described in detail in the following subsections.



Dashboard - SKE Backup 2! x +

test-cd-03.tech-arrow.com/admin/#/

Backup Administration for Microsoft 365

SKE Backup 2!

Products

Home

Storages

Databases

Schedules

Microsoft 365 connection

Jobs

Microsoft 365 Backup

General settings

Address book

System

System settings

Licensing

Users

Statistics

Logs and auditing

System logs

Configuration auditing

Microsoft 365 Backup

Activated

Backup all your Microsoft 365 data including mailboxes, SharePoint, OneDrive and Teams. Ensure business continuity with our just-in-time backup and achieve easy painless one-click restore and recovery.

More

Email archive

Not activated

Archive all your Exchange mailboxes and mailbox groups. Get easy entry to your business communications, maintain access to former employees' mailboxes, and more.

More

SharePoint archive

Request a license

Archive all your SharePoint data in all possible formats. Protect yourself against any possibility of loss, build up your business continuity going forward, and save costs on storage space.

More

OneDrive archive

Request a license

Archive all your OneDrive data in all possible formats. Protect yourself against any possibility of loss, build up your business continuity going forward, and save costs on storage space.

More

File archive

Request a license

Archive all your data from your file server. Preserve your business information in a discoverable, regulatory compliant manner – easily retrievable and accessible from any place, at any time.

More

Teams archive

Request a license

Archive all your Teams and private chats, including uploaded files. Keep easy access to Teams even after they are closed down and inactive, save on your storage costs, and make sure your communications remain discoverable no matter the medium.

More

Teams chat archive

Request a license

Archive all your private chats, including uploaded files. Keep easy access to Teams even after they are closed down and inactive, save on your storage costs, and make sure your communications remain discoverable no matter the medium.

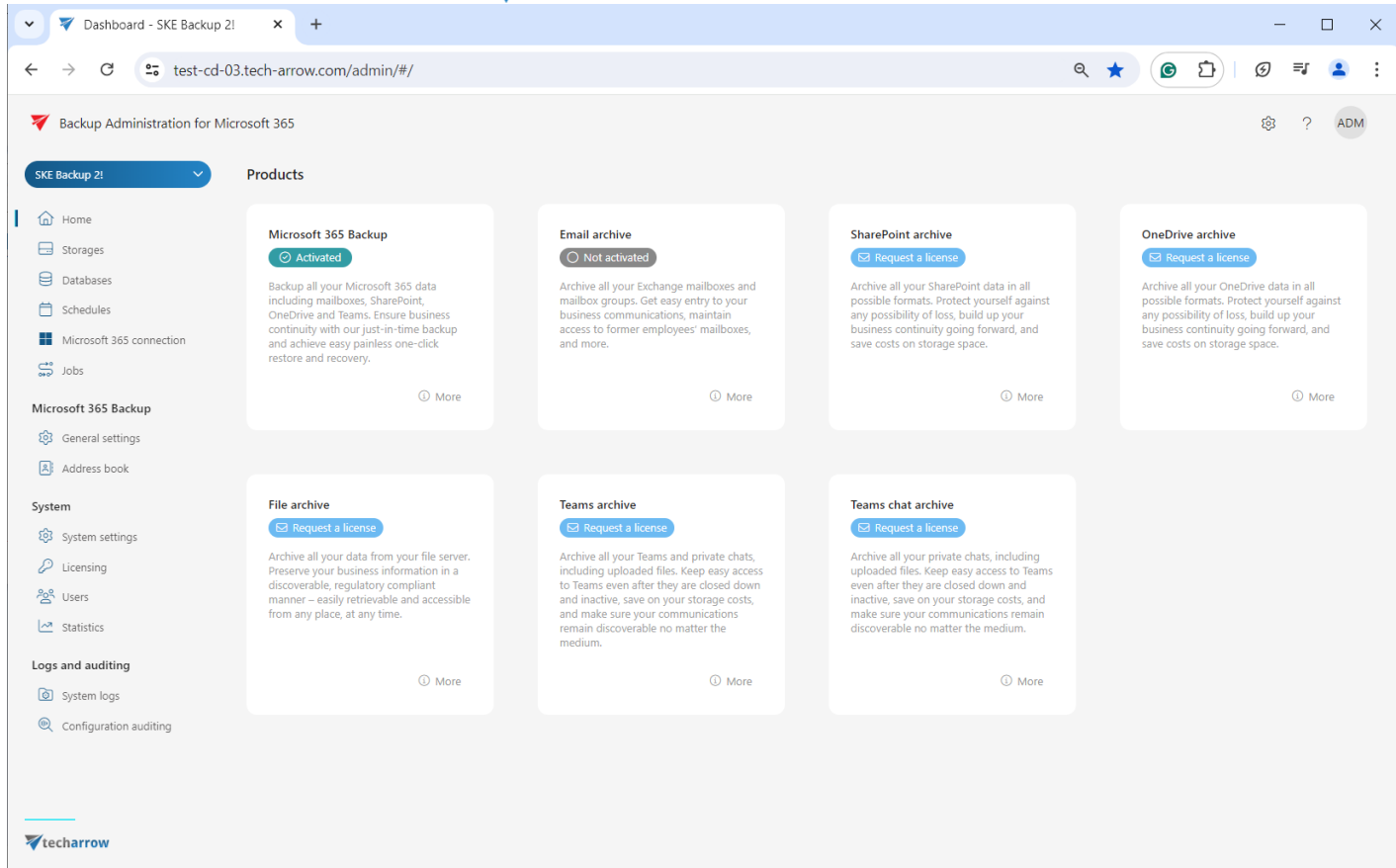
More

techarrow

Home

The **Home** section in the left-side menu provides an overview of the following modules:

- Modules **activated** for the selected tenant in Backup Administration, such as **Microsoft 365 Backup** modul
- Modules that **cannot be activated** because they are already activated and used for archiving in the contentACCESS
- Modules where the user can **request a license** by filling out contract form



You can find out more about each module by clicking the **More** button below its short introduction.

Storages

The **Storages** page is initially empty. The first storage will be created automatically after the Microsoft 365 connection is secured. However, you can also set up new storages on this page to be selected as a destination for the processed binaries when configuring a specific Backup Administration job.

Backup Administration for Microsoft 365 supports **Disk** storage (the most frequently used type), **S3**, or **Azure** storage.

To read more about the automatically created storage, refer to the [Microsoft 365 connection](#) chapter in this documentation.



To configure a new storage, click on the **+ New** button on the Storages page. The **Storage** window will appear, where the user can enter a storage **name**, set the **role** as **Primary** and select the storage **type** (disk, SE, or Azure). Additional required storage settings depend on the selected storage type.

Configurations of the storage types will be detailed in the following subsections of this chapter.

Backup Administration for Microsoft 365

SKE Backup 2! Refresh + New Search keyword

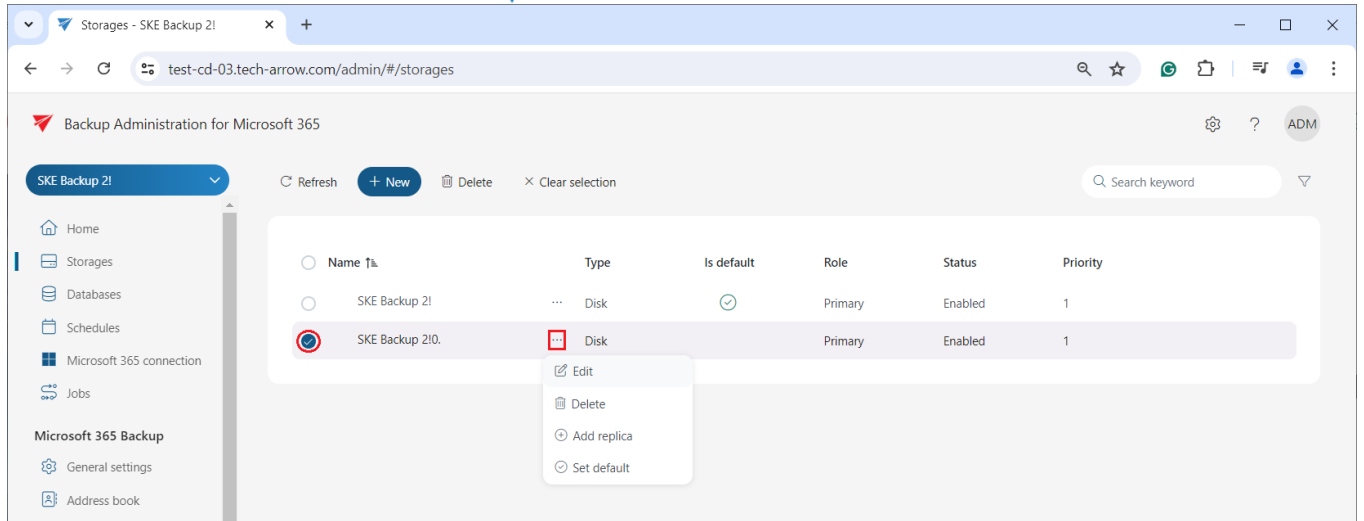
Name ↑	Type	Is default	Role	Status	Priority	
SKE Backup 2!	...	Disk	☑	Primary	Enabled	1
SKE Backup 210.	...	Disk		Primary	Enabled	1

Navigation menu:

- Home
- Storages
- Databases
- Schedules
- Microsoft 365 connection
- Jobs
- Microsoft 365 Backup
 - General settings
 - Address book
- System
 - System settings
 - Licensing
 - Users
 - Statistics
- Logs and auditing
 - System logs

URL: <https://test-cd-03.tech-arrow.com/admin/#/storages>

From the context menu of a selected storage, you can modify (Edit/Delete/Set default) the storage settings by clicking on the ellipsis (...). Additionally, you can add a replica to the selected storage. When a storage is selected from the list, the Delete option will appear next to the + New button, allowing you to delete the storage.



Backup Administration for Microsoft 365

SKE Backup 2!

Refresh + New Delete Clear selection

Search keyword

Name	Type	Is default	Role	Status	Priority
SKE Backup 2!	Disk	☑	Primary	Enabled	1
SKE Backup 210.	Disk	⊙	Primary	Enabled	1

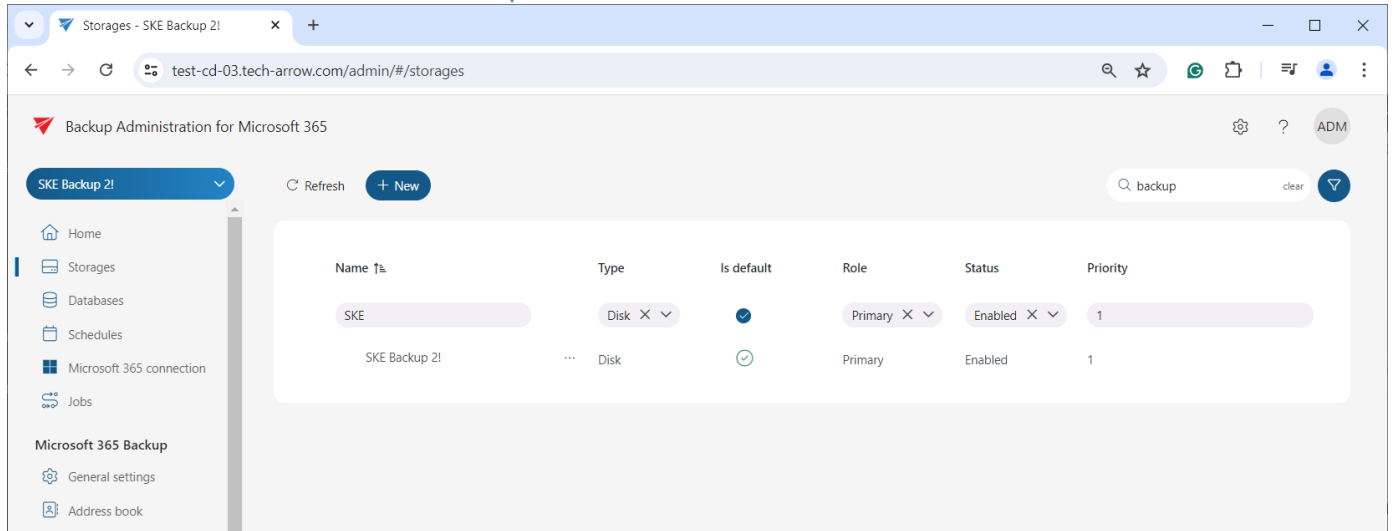
Context menu for SKE Backup 210.:

- Edit
- Delete
- Add replica
- Set default

Important: Deleting the default storage or the one used by a job (backup, restore) is not allowed and highly not recommended! Doing so will cause massive data loss!

The configurations set in the Storages window can be viewed in the grid. You can **filter** or **search** this information by keywords. To search, simply click into the **search textbox**, and start typing the desired keyword. To filter, click on the **Funnel** icon, and an additional row will appear above the list of storages. If you wish to filter through the **Name** or **Priority** columns, simply enter the filter text, and it will be executed automatically. On the other hand, if you would like to filter by **types**, **roles**, or **statuses**, you can either open the dropdown menu and select the schedule types, or manually enter the by clicking into the search textbox.

The default storage can be filtered out by clicking into the item selector in that column. To close the filtering section, click the Funnel icon again.



Azure storage

Azure Storage is a cloud storage solution for modern data storage scenarios. It also provides the storage foundation for Azure Virtual Machines and is accessible from anywhere in the world, from any type of application and any type of device.

Azure storage uses blob storage to store its metadata. For more information about the Azure Storage, please refer to [this](#) article about Azure Storage.

If the user is using a **German cloud** (a dedicated and isolated Microsoft Azure version for Germany), the Azure storage account name must contain the **core.cloudapi.de** suffix. This is displayed in the Azure configuration when the user creates the storage.

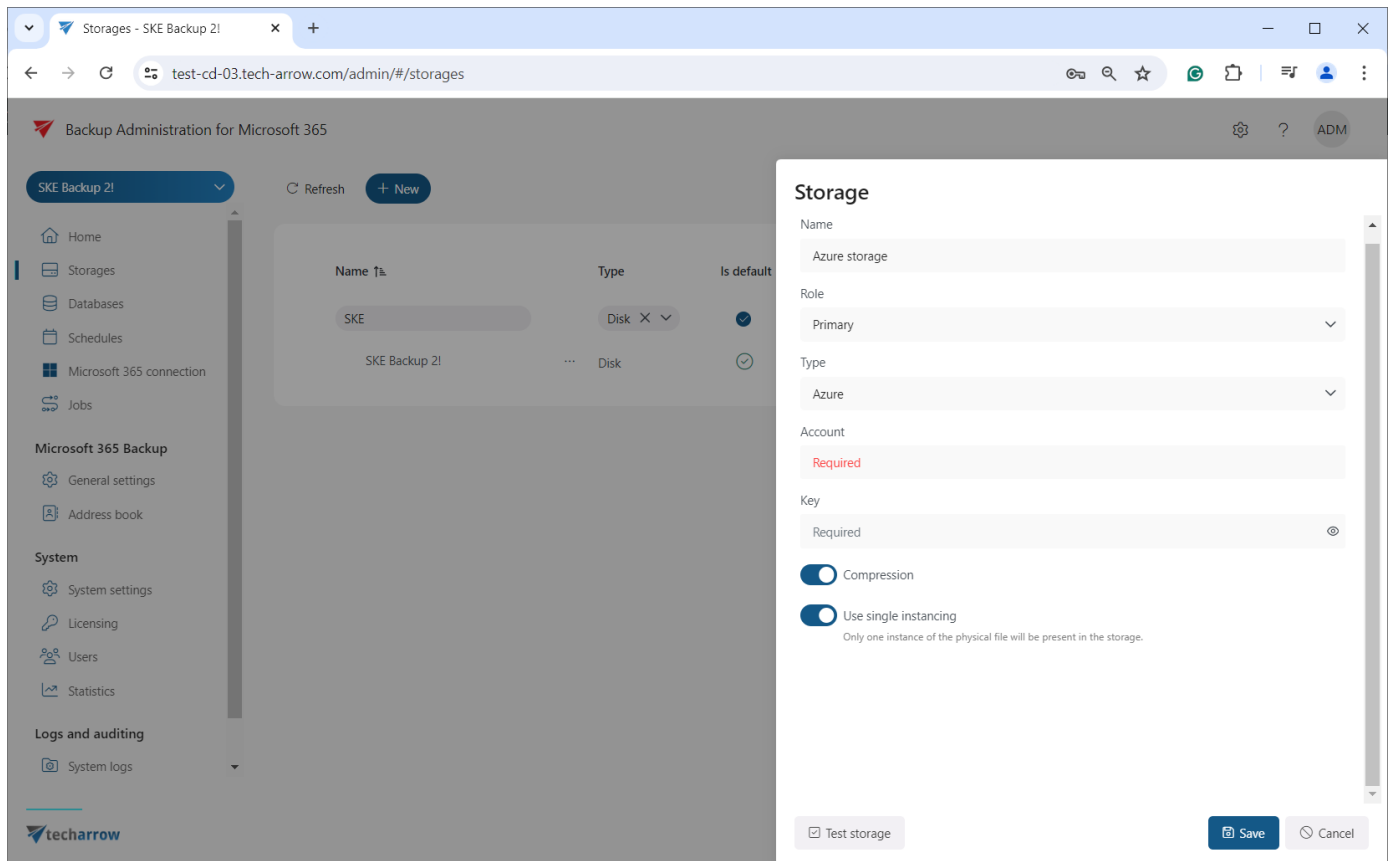
During the Azure storage configuration, in addition to the basic settings (Name, Role, Type), you also need to configure your [Azure account](#) and key. The **Primary role** means, that the storage acts as the main repository for the selected workflow or task (e.g., email backup or document management). It is prioritized for data storage and retrieval. If multiple storages are defined, the one marked as "Primary" will take precedence over others (e.g., for storing live or frequently accessed data).



Next, you can decide if you want to use the **Compression** function. By enabling this option, all files larger than the defined size will be compressed to reduce storage space usage.

In addition, if you wish to keep only one copy of a physical file in the storage (e.g. the same file can be found in multiple folders, or you have list items on SharePoint with the same amount of attachments where only the metadata changes), enable the **Use single instancing** option.

We advise verifying the connection using the **Test storage** button. If you have finished the configuration, press the **Save** button, or click **Cancel** if you do not wish to save the changes.



After creating the storage, opening it for the first time or selecting the **Edit** option from the context menu will display an additional feature in the **Storage Repository** window: the **Status** option, which can be:



- **Enabled:** The storage is active and ready for use in the system. It can accept new data, perform retrieval operations, and serve as part of workflows like archiving, backup, or file storage.
- **Disabled:** The storage is temporarily turned off and will not be used by Backup Administration. It remains in the system but cannot accept new data or participate in workflows until re-enabled. The backup will still function if there is an allowed writable replica storage. In this case, documents will be stored in the replica storage, and when the storage is re-enabled, the Storage Replication Job will duplicate the files to the primary storage.
- **Unavailable:** You no longer wish to use the storage. In this case, it will not be able to receive anything. No operations can be performed with this storage until the issue is resolved and its status returns to Enabled.
- **Removed:** The storage has been deleted or disconnected from the system. It is no longer available for any operations or workflows.

Storage ×

Name
Azure1

Role
Primary

Status
Enabled

Account
azuretestta

Key
.....

Compression

Use single instancing
Only one instance of the physical file will be present in the storage.

Test configuration

Disk storage

The **Disk storage** type is used to store the binaries on a single local or remote disk. If this storage type is selected, the user must fill in the **Path** (the target destination for the binaries) and enter credentials (if required) by enabling the **Use explicit credentials** option. You also need to set the Role as **Primary** in this window. In this case, the storage acts as the main repository for the selected workflow or task (e.g., email backup or document management). It is prioritized for data storage and retrieval. If multiple storages are defined, the one marked as “Primary” will take precedence over others (e.g., for storing live or frequently accessed data).

Additionally, you can configure the following options in this window:



1. **Compression** – enable this option to compress files larger than the defined size to reduce storage space usage.
2. **SnapLock** – use this function to prevent the deletion of files until the specified retention expires.
3. **Use single instancing** – enable this option to keep only one copy of a physical file in the storage; useful for scenarios like files in multiple folders, or SharePoint list items with the same attachments where only the metadata changes.
4. **Use file encryption** – enhance storage security storing files in encrypted form on the disk storage. Ensure the encryption key is stored securely to prevent file unreadability in case of database failure. Download the key by clicking on the **Download** link in this section.

We advise verifying the connection using the **Test storage** button. After finishing the configuration, press the **Save** button to save changes, or click **Cancel** if you do not wish to save the changes.

The screenshot shows the 'Backup Administration for Microsoft 365' interface. The main content area displays a table of storage configurations:

Name	Type	Is default
SKE	Disk	<input checked="" type="checkbox"/>
SKE Backup 2!	Disk	<input type="checkbox"/>

The 'Storage' configuration panel for 'SKE Backup 2!' is open, showing the following settings:

- Name: Disk storage
- Role: Primary
- Type: Disk
- Path: C:\SKE N_backup
- Use explicit credentials:
- Compression:
- Enable SnapLock:
- Use single instancing: (Only one instance of the physical file will be present in the storage.)
- Use file encryption: (Files will be stored in encrypted form.)

At the bottom of the panel, there is a Test storage button, a **Save** button, and a **Cancel** button.



After creating the storage, opening it for the first time or selecting the **Edit** option from the context menu will display an additional feature in the **Storage Repository** window: the **Status** option, which can be:

- **Enabled:** The storage is active and ready for use in the system. It can accept new data, perform retrieval operations, and serve as part of workflows like archiving, backup, or file storage.
- **Disabled:** The storage is temporarily turned off and will not be used by Backup Administration. It remains in the system but cannot accept new data or participate in workflows until re-enabled. The backup will still function if there is an allowed writable replica storage. In this case, documents will be stored in the replica storage, and when the storage is re-enabled, the Storage Replication Job will duplicate the files to the primary storage.
- **Unavailable:** You no longer wish to use the storage. In this case, it will not be able to receive anything. No operations can be performed with this storage until the issue is resolved and its status returns to Enabled.
- **Removed:** The storage has been deleted or disconnected from the system. It is no longer available for any operations or workflows.



Storage ✕

Name
SKE Backup 2!

Role
Primary ▼

Status
Enabled ▼

Enabled
 Disabled
 Unavailable
 Removed
 Disk

Path
C:\SKE Backup 2! ✎ Modify

Use explicit credentials

Compression

Enable SnapLock

Use single instancing

Test configuration

Save
Cancel

Amazon S3 storage

Important: This storage type in the backup depends on the licensing. If your license does not include the Amazon S3 storage type, you won't be able to configure it in Backup Administration.

Amazon S3 (Simple Storage Service) is a cloud-based storage solution by Amazon Web Services (AWS) that allows you to store and retrieve any amount of data from anywhere on the web. It is highly scalable, durable, and cost-effective, making it ideal for a variety of use cases like backups, archiving, content delivery, and data analytics.

S3 organizes data into **buckets**, which act like folders, and stores individual files as objects identified by unique keys. It supports flexible storage classes for different needs, from frequently



accessed data (S3 Standard) to long-term backup (S3 Glacier). S3 is also highly secure, offering encryption, access controls, and integration with other AWS services.

Key features include its pay-as-you-go pricing, and ease of integration with tools and services. It's used for tasks like hosting static websites, streaming media, and providing storage for applications. Whether you need high-speed access or affordable backup storage, Amazon S3 adapts to your needs, ensuring reliable and secure data management.

How to configure the Amazon S3 Storage

First, you set the storage **Name**, the **Type** (Amazon S3), the **Role** (Primary), and the **Priority**. The Primary role means, that the storage acts as the main repository for the selected workflow or task (e.g., email backup or document management). It is prioritized for data storage and retrieval. If multiple storages are defined, the one marked as "Primary" will take precedence over others (e.g., for storing live or frequently accessed data).

Once the storage type (Amazon S3) is selected and the Role and Status are set, you can choose **Amazon S3** from the service dropdown menu.

The store connects to the **endpoint** that you select for a specific service. In Backup Administration for Microsoft 365, the service endpoint can be Wasabi, Amazon Simple Storage Service (Amazon S3), and Alibaba Cloud Object Storage, which also uses Amazon S3 interface. If you want to use a different cloud service, which supports Amazon S3 interface, it is possible to select [Custom Service] URL for the service and then enter a custom URL for that service endpoint. In Backup Administration, the service endpoints are preconfigured.

The **version** specifies which communication version to use for the service endpoint (the service version is specified by the endpoint service). All services support Service Version 2 or 4. The **access key** and **secret access key** are used to authenticate the caller with the cloud service. These keys are provided by the cloud storage service.

This storage type also supports **compression** and **single instancing**, which can save you a lot of space.



Storage

Name
Amazon S3 storage

Role
Primary

Type
S3

Service
Amazon S3

Endpoint
Asia Pacific (Hong Kong)

Service version
Version 2

Access key
your access key

Secret access key
.....

Compression

Use single instancing
Only one instance of the physical file will be present in the storage.

Ignore SSL errors

Test storage

Save Cancel

Screenshot: configuring Amazon S3 storage with Amazon S3 service URL



Storage

Name
Amazon S3 storage

Role
Primary

Type
S3

Service
Alibaba Cloud Object Storage

Endpoint
Asia Pacific SE 1 (Singapore)

Service version
Version 2

Access key
your access key

Secret access key
.....

Compression

Use single instancing
Only one instance of the physical file will be present in the storage.

Ignore SSL errors

Test storage

Save Cancel

Screenshot: configuring Amazon S3 storage with Alibaba Cloud Object Storage service URL



Storage

Name

Role

Type

Service

Custom endpoint

Use custom bucket name

Bucket position in url

Service version

Access key

Secret access key

Compression

Use single instancing
Only one instance of the physical file will be present in the storage.

Ignore SSL errors

Test storage

Screenshot: configuring Amazon S3 storage with Dell ECS service URL



Storage

Name
Amazon S3 storage

Role
Primary

Type
S3

Service
[Custom Service]

Custom endpoint
https://oss-ap-southeast-1.aliyuncs.com

Use custom bucket name

Bucket position in url
Subdomain (http://bucketname.domain.com)

Service authentication identifier

Service version
Version 2

Access key
your access key

Secret access key
.....

Compression

Use single instancing
Only one instance of the physical file will be present in the storage.

Ignore SSL errors

Test storage

Screenshot: configuring Amazon S3 storage with [Custom Service] service URL



After creating the storage, opening it for the first time or selecting the **Edit** option from the context menu will display an additional feature in the **Storage Repository** window: the **Status** option, which can be:

- **Enabled:** The storage is active and ready for use in the system. It can accept new data, perform retrieval operations, and serve as part of workflows like archiving, backup, or file storage.
- **Disabled:** The storage is temporarily turned off and will not be used by Backup Administration. It remains in the system but cannot accept new data or participate in workflows until re-enabled. The backup will still function if there is an allowed writable replica storage. In this case, documents will be stored in the replica storage, and when the storage is re-enabled, the Storage Replication Job will duplicate the files to the primary storage.
- **Unavailable:** You no longer wish to use the storage. In this case, it will not be able to receive anything. No operations can be performed with this storage until the issue is resolved and its status returns to Enabled.
- **Removed:** The storage has been deleted or disconnected from the system. It is no longer available for any operations or workflows.



Storage

Name
LBA S3

Role
Primary

Status
Enabled

Service
Amazon S3

Endpoint
EU Central 1 (Frankfurt)

Bucket name

Service version

Test configuration

Wasabi storage

Wasabi is a high-performance, cost-effective, and Amazon S3-compatible cloud storage service designed to provide fast, reliable, and affordable storage solutions. Positioned as a direct alternative to Amazon S3, Wasabi offers highly durable and scalable object storage with a simple pricing model—free from egress fees or API request charges often associated with other cloud providers.

Wasabi is an excellent storage option for Backup Administration, especially for managing backed-up data. With its combination of scalability, cost-efficiency, and robust security features, Wasabi ensures that your valuable data is safely stored and easily accessible whenever needed. Its Amazon



S3 compatibility allows seamless integration with Backup Administration, leveraging existing workflows and configurations to create a reliable and efficient data backup solution.

The storage demands of modern businesses often include the need for cost-efficient yet high-performance options. Wasabi excels in these areas by providing a storage platform designed for large-scale archiving and backup tasks. Backup Administration users can leverage Wasabi to keep backed-up data organized, safe, and accessible over the long term, aligning with best practices for data compliance, governance, and disaster recovery.

For more details about Wasabi's capabilities, features, and configuration options, visit the official [Wasabi website](#) and its [documentation](#) section.

How to configure the Wasabi Storage

First, you set the Storage name, the Type (Amazon S3), the Role (Primary), and the Priority. The Primary role means, that the storage acts as the main repository for the selected workflow or task (e.g., email backup or document management). It is prioritized for data storage and retrieval. If multiple storages are defined, the one marked as "Primary" will take precedence over others (e.g., for storing live or frequently accessed data).

Once the storage type (Amazon S3) is selected and the Role and Priority is set, you will be able to choose **Wasabi** from the service dropdown menu. In Backup Administration, the service endpoints for Wasabi are preconfigured, but you can choose a more fitting option from the menu.

Next, configure the **Bucket name** you created on the Wasabi store.

The **version** specifies which communication version to use for the service endpoint (the service version is specified by the endpoint service). If you are using Amazon S3, you can use Service Version 2 or 4. Wasabi supports both Version 2 and Version 4 of the Amazon S3 communication protocol. Choose the version that matches your needs or the one specified in Wasabi's documentation. In this configuration, Version 2 is selected.

The **Access Key** and **Secret Access Key** are required to authenticate with Wasabi storage. They are provided when you create an access key in the Wasabi Console.



This store type also supports compression and single instancing, which can save you a lot of space. Always use the **Test configuration** button to verify the connection to the Wasabi bucket. Once the test succeeds, click **Save** to finalize the setup.

Storage

Name
Wasabi storage

Role
Primary

Type
S3

Service
Wasabi

Endpoint
US East 1 (N. Virginia)

Bucket name
wasabi-bucket-01

Service version
Version 2

Access key
[Redacted]

Secret access key
[Redacted]

Compression

Use single instancing
Only one instance of the physical file will be present in the storage.

Ignore SSL errors

Test configuration

Save



After creating the storage, opening it for the first time or selecting the **Edit** option from the context menu will display an additional feature in the **Storage Repository** window: the **Status** option, which can be:

- **Enabled:** The storage is active and ready for use in the system. It can accept new data, perform retrieval operations, and serve as part of workflows like archiving, backup, or file storage.
- **Disabled:** The storage is temporarily turned off and will not be used by Backup Administration. It remains in the system but cannot accept new data or participate in workflows until re-enabled. The backup will still function if there is an allowed writable replica storage. In this case, documents will be stored in the replica storage, and when the storage is re-enabled, the Storage Replication Job will duplicate the files to the primary storage.
- **Unavailable:** You no longer wish to use the storage. In this case, it will not be able to receive anything. No operations can be performed with this storage until the issue is resolved and its status returns to Enabled.
- **Removed:** The storage has been deleted or disconnected from the system. It is no longer available for any operations or workflows.



Storage

Name
Wasabi_Storage

Role
Primary

Status
Enabled

S3

Service
[Custom Service]

Custom endpoint
http://s3.eu-central-2.wasabisys.com

Bucket name

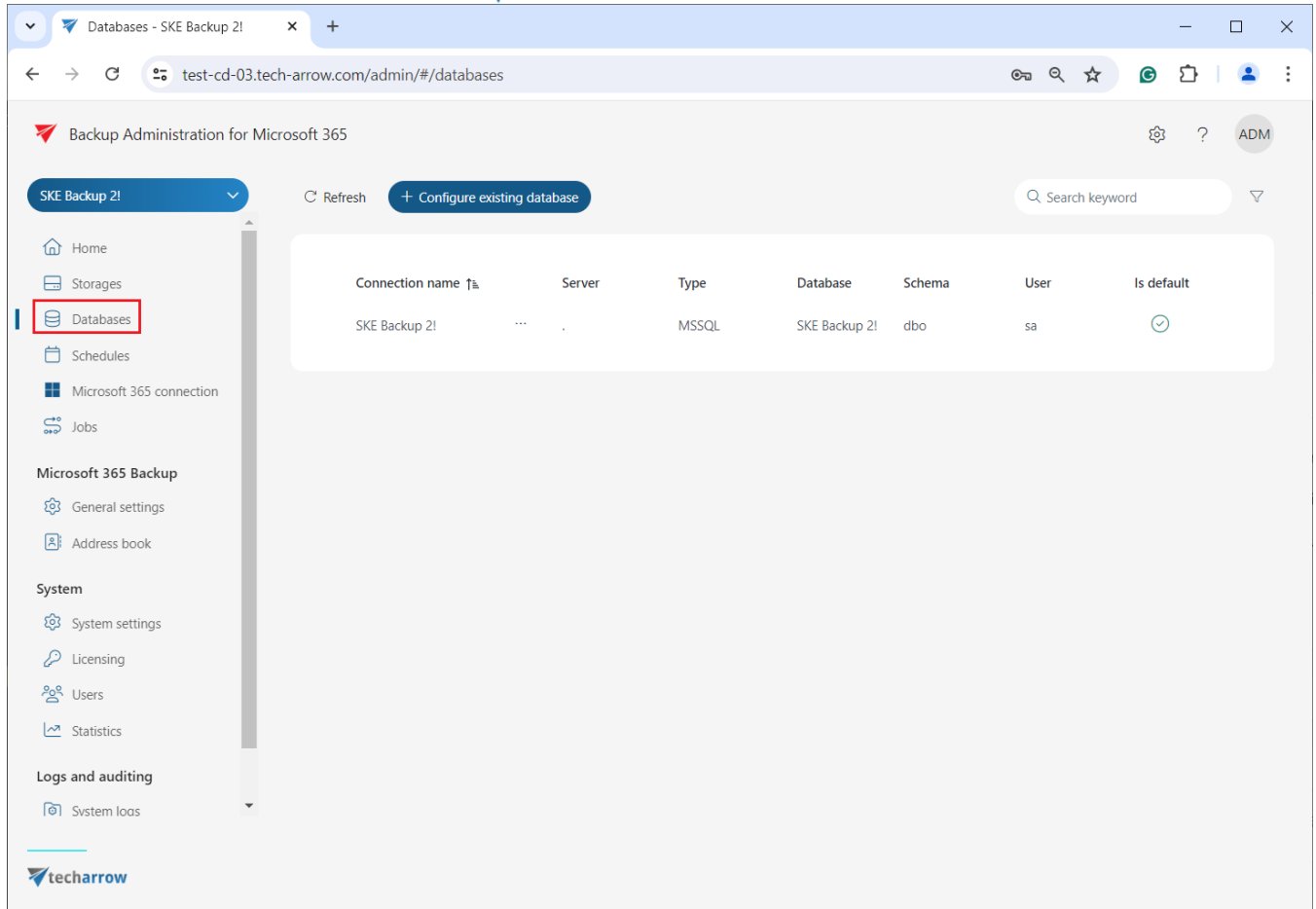
Bucket position in url

Test configuration

Databases

On this page, you can view the databases configured for your selected tenant, or you can **configure** existing databases. The databases configured in contentACCESS through the Central Administration will also be displayed here, ensuring a comprehensive view of all databases associated with your tenant.

The database grid contains the following information: server name, type of database (MSSQL), database name on SQL, schema, database user name, and status (default or not). The Administrator can configure a connection on this page, where the processed metadata of this particular tenant will be stored.



Backup Administration for Microsoft 365

SKE Backup 2!

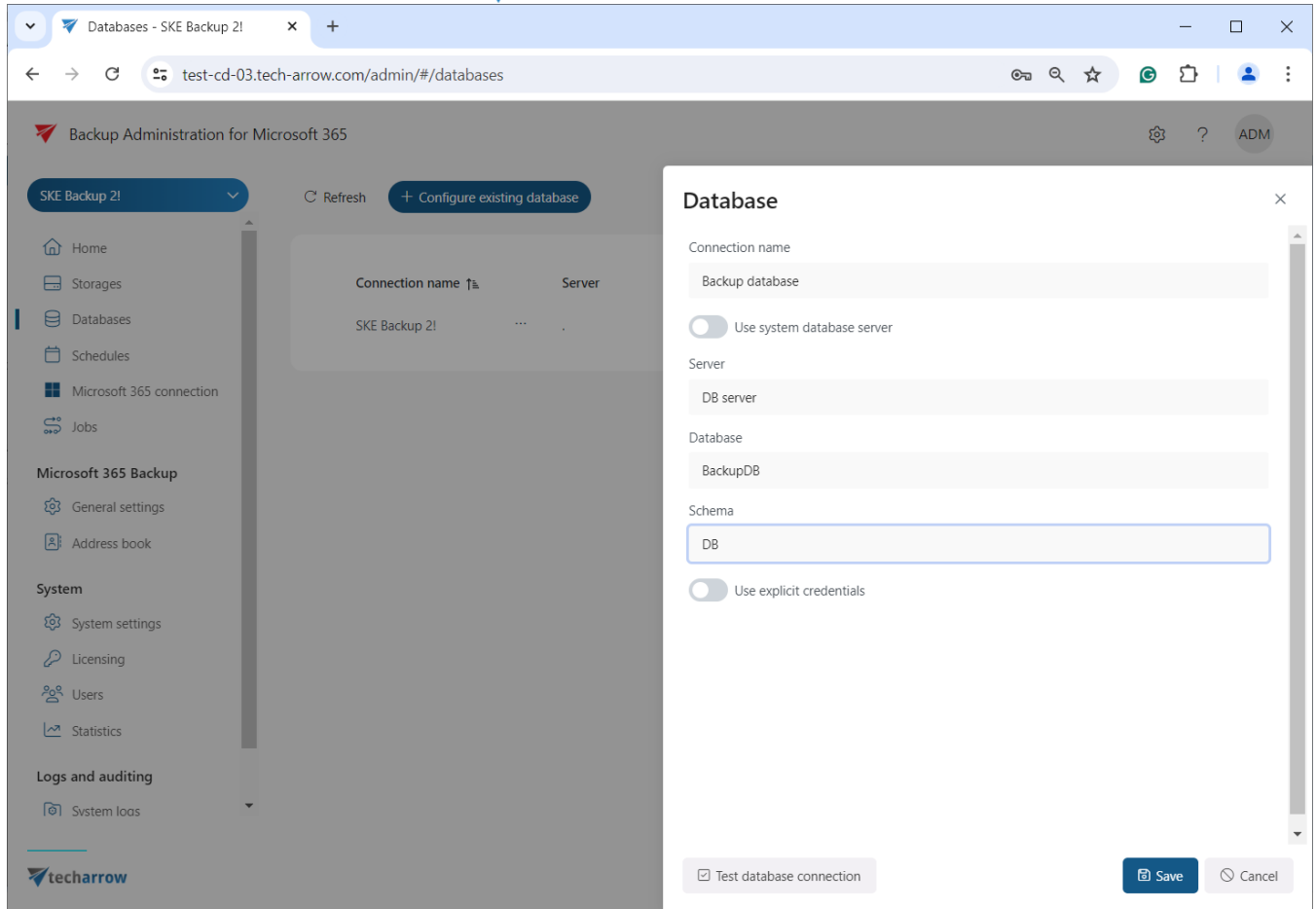
Refresh + Configure existing database

Search keyword

Connection name	Server	Type	Database	Schema	User	Is default
SKE Backup 2!	...	MSSQL	SKE Backup 2!	dbo	sa	☑

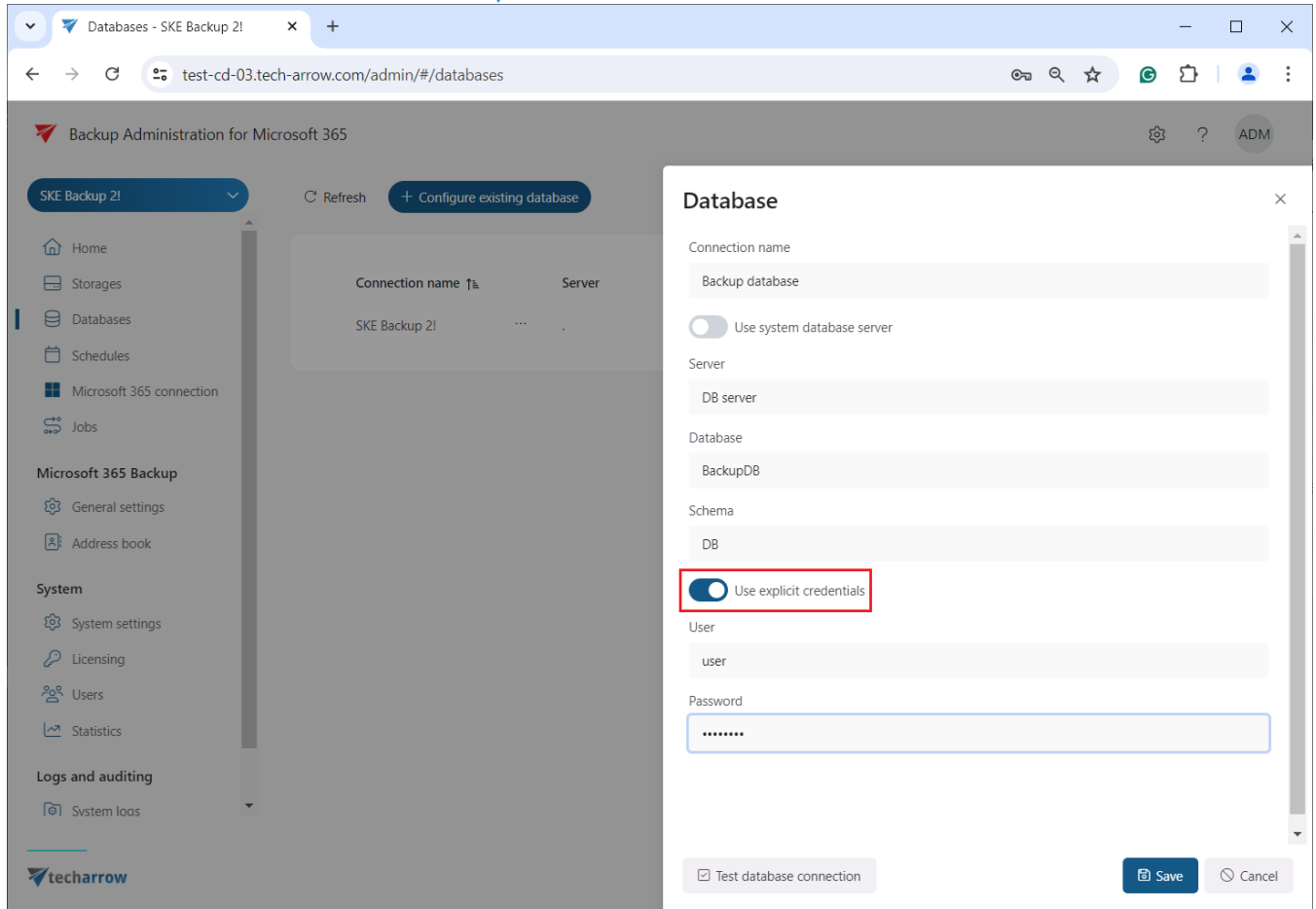
techarrow

If an existing database needs to be configured, click on the **+Configure existing database** button and fill in the required fields in the **Database** window. If the system database server will be used, check the **Use system database server** checkbox. Type the already existing SQL database name into the **Database** textbox.



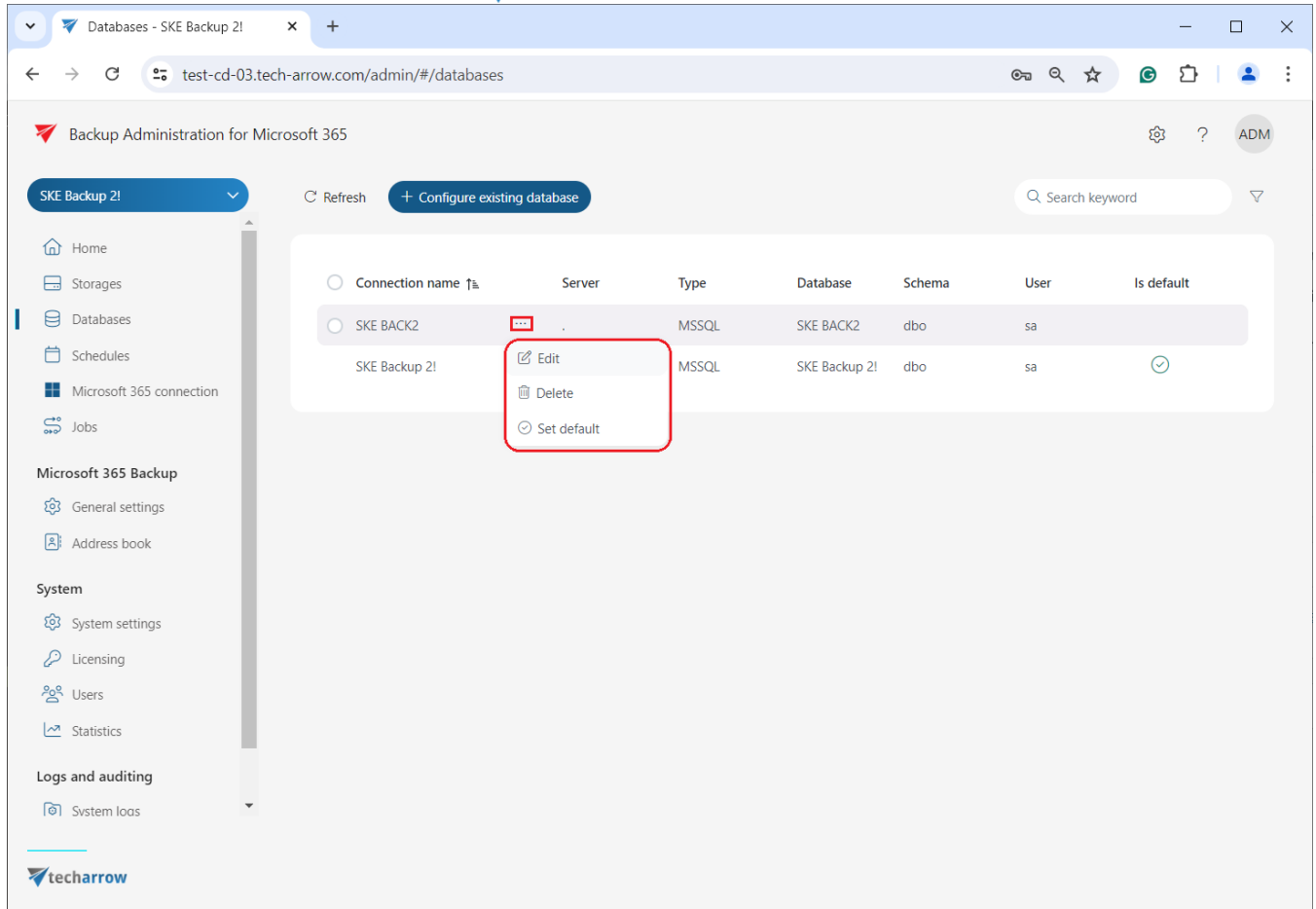
By default, Backup Administration for Microsoft 365 is connected to the database with the credentials of the user running Backup Administration. If you want to use other credentials, check the **Use explicit credentials** checkbox and enter the user name and password you want to use for connecting to the tenant database.

You can also run a test connection with the **Test database connection** button in the left corner of the window.



The screenshot displays the 'Backup Administration for Microsoft 365' web interface. The main content area shows a table of databases with columns for 'Connection name' and 'Server'. A modal window titled 'Database' is open, allowing configuration for a database named 'Backup database'. The modal includes fields for 'DB server', 'Database' (set to 'BackupDB'), and 'Schema' (set to 'DB'). A red box highlights the 'Use explicit credentials' toggle, which is currently turned on. Below this, there are fields for 'User' (set to 'user') and 'Password' (masked with dots). At the bottom of the modal, there is a 'Test database connection' checkbox and 'Save' and 'Cancel' buttons.

It is also possible to modify the settings, delete the database (if it is not set to default), or set the database as default on the Databases page from the database's context menu, as shown in the screenshot below.

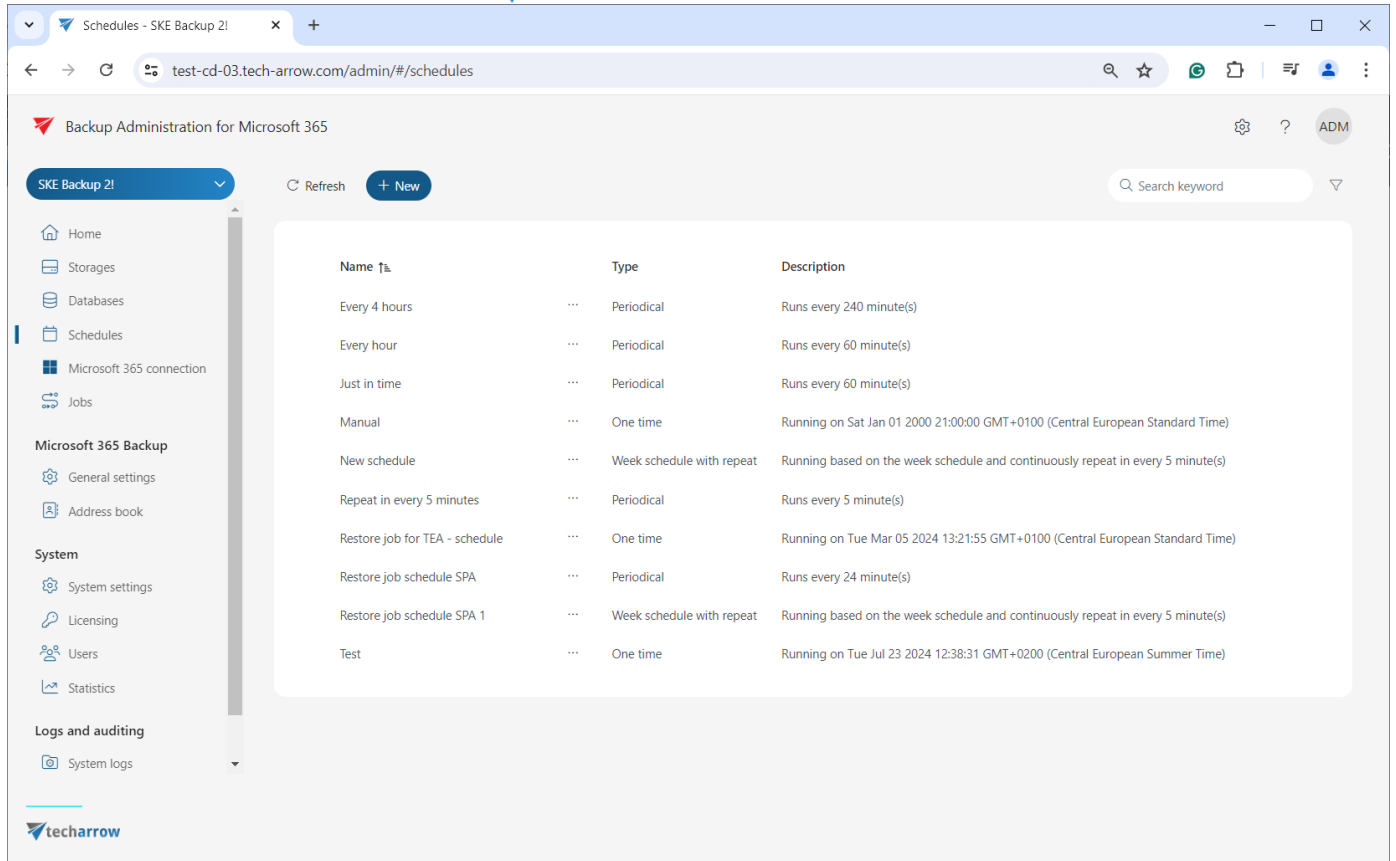


The screenshot shows the 'Backup Administration for Microsoft 365' web interface. The left sidebar contains navigation options: Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs, Microsoft 365 Backup (General settings, Address book), System (System settings, Licensing, Users, Statistics), and Logs and auditing (System logs). The main content area displays a table of databases with the following columns: Connection name, Server, Type, Database, Schema, User, and Is default. A red box highlights the 'Edit' button in the context menu for the 'SKE Backup 2!' database entry.

Connection name	Server	Type	Database	Schema	User	Is default
SKE BACK2	.	MSSQL	SKE BACK2	dbo	sa	
SKE Backup 2!		MSSQL	SKE Backup 2!	dbo	sa	☑

Schedules

Jobs in Backup Administration for Microsoft 365 can be automatically triggered with using schedules. Schedules define when processing tasks should start, end, and restart automatically. Administrators can schedule jobs based on their scheduler settings. Multiple schedulers can be set up, and users can select the appropriate one from a dropdown menu when configuring a job. Schedulers help users avoid manually starting jobs each time they need to run a specific task. To view previously created schedules or add a new one, navigate to the **Schedules** option on the left-side menu.



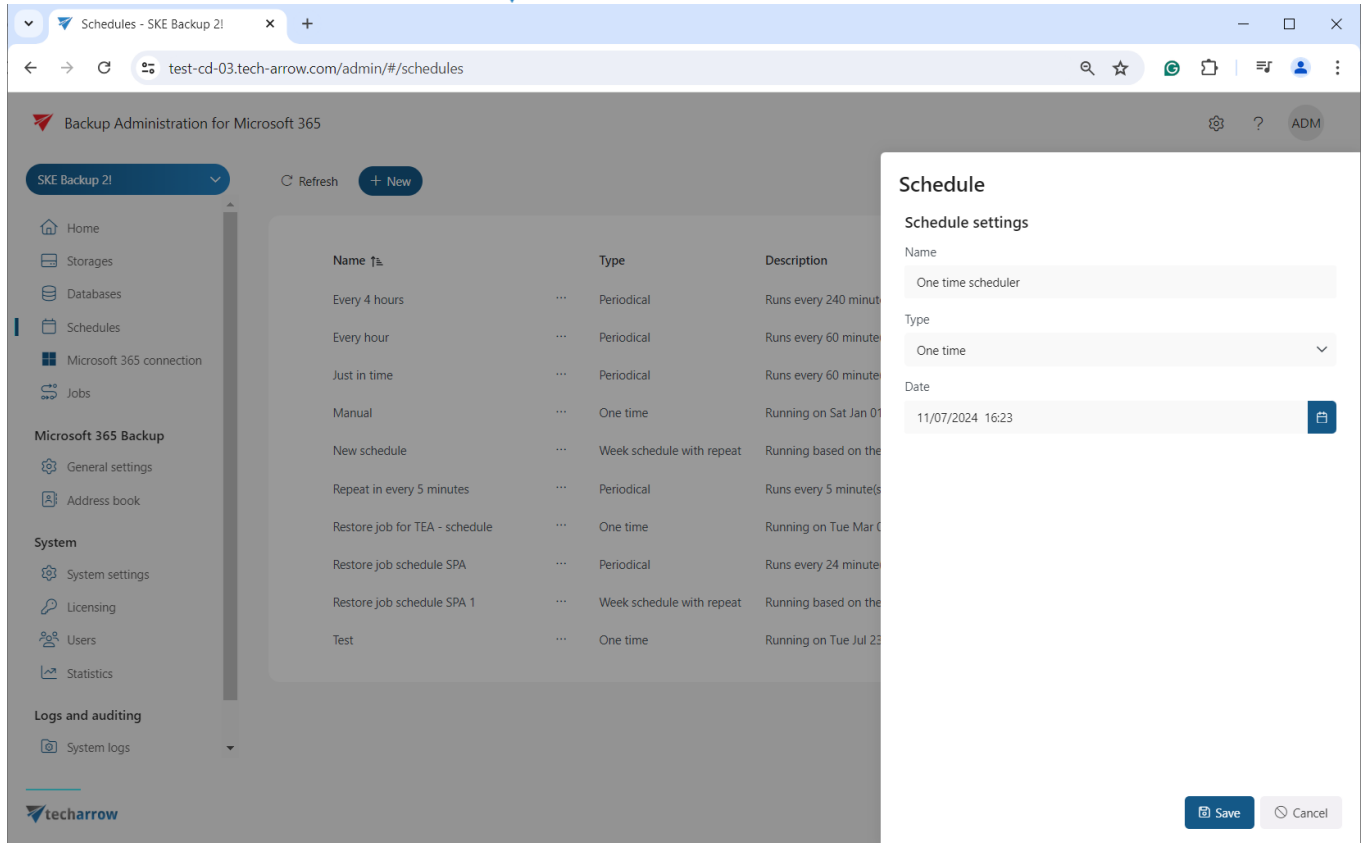
The screenshot shows the 'Backup Administration for Microsoft 365' interface. The main content area displays a table of schedules with the following data:

Name	Type	Description
Every 4 hours	Periodical	Runs every 240 minute(s)
Every hour	Periodical	Runs every 60 minute(s)
Just in time	Periodical	Runs every 60 minute(s)
Manual	One time	Running on Sat Jan 01 2000 21:00:00 GMT+0100 (Central European Standard Time)
New schedule	Week schedule with repeat	Running based on the week schedule and continuously repeat in every 5 minute(s)
Repeat in every 5 minutes	Periodical	Runs every 5 minute(s)
Restore job for TEA - schedule	One time	Running on Tue Mar 05 2024 13:21:55 GMT+0100 (Central European Standard Time)
Restore job schedule SPA	Periodical	Runs every 24 minute(s)
Restore job schedule SPA 1	Week schedule with repeat	Running based on the week schedule and continuously repeat in every 5 minute(s)
Test	One time	Running on Tue Jul 23 2024 12:38:31 GMT+0200 (Central European Summer Time)

Click on the **+ New** button. In the **Schedule** window, enter the schedule **Name** and select the **Type** of schedule from the dropdown list.

In Backup Administration, there are 3 types of schedules that can be set: **One time**, **Periodical**, and **Week schedule with repeat**.

One time schedule runs only once on the specified date and time. With this type of schedule, the user specifies the start date only and the job ends when the processing completed. One time schedules are often used for restore jobs (jobs that run occasionally).



Backup Administration for Microsoft 365

SKE Backup 2! Refresh + New

Name	Type	Description
Every 4 hours	Periodical	Runs every 240 minutes
Every hour	Periodical	Runs every 60 minutes
Just in time	Periodical	Runs every 60 minutes
Manual	One time	Running on Sat Jan 01
New schedule	Week schedule with repeat	Running based on the
Repeat in every 5 minutes	Periodical	Runs every 5 minutes
Restore job for TEA - schedule	One time	Running on Tue Mar 0
Restore job schedule SPA	Periodical	Runs every 24 minutes
Restore job schedule SPA 1	Week schedule with repeat	Running based on the
Test	One time	Running on Tue Jul 23

Schedule

Schedule settings

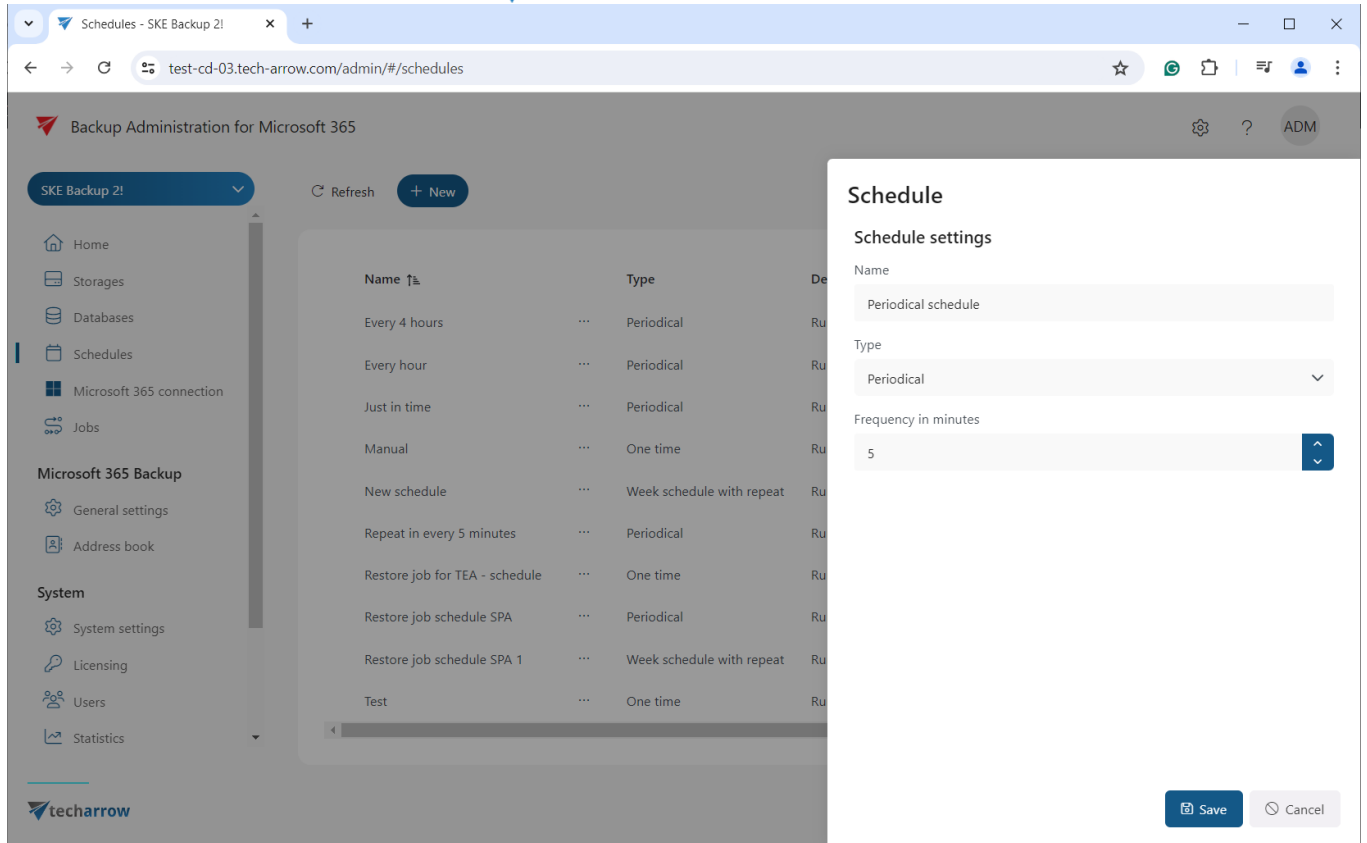
Name
One time scheduler

Type
One time

Date
11/07/2024 16:23

Save Cancel

Periodical schedules run repeatedly. Jobs using this type start immediately after configuration and saving. The **Frequency in minutes** function allows the user to set time intervals for the schedule to check if the job is running. For example, if the schedule is set to 5 minutes, the schedule wakes up every five minutes to verify if the job is still running. If it is, checks again 5 minutes later. If not, then the job restarts to process any new items. This schedule type is most effective for backup jobs.



The screenshot shows the 'Backup Administration for Microsoft 365' interface. The main content area displays a table of schedules. A modal window titled 'Schedule' is open, showing the 'Schedule settings' section. The 'Name' field contains 'Periodical schedule'. The 'Type' dropdown is set to 'Periodical'. The 'Frequency in minutes' field is set to '5'. The 'Save' and 'Cancel' buttons are visible at the bottom of the modal.

Name	Type	De
Every 4 hours	Periodical	Ru
Every hour	Periodical	Ru
Just in time	Periodical	Ru
Manual	One time	Ru
New schedule	Week schedule with repeat	Ru
Repeat in every 5 minutes	Periodical	Ru
Restore job for TEA - schedule	One time	Ru
Restore job schedule SPA	Periodical	Ru
Restore job schedule SPA 1	Week schedule with repeat	Ru
Test	One time	Ru

Week schedule with repeat runs at the same hours every week, regularly. In the scheduling tab, click on the fields to set the days and hours when the processing should start. Each cell represents one hour. Using the **Running frequency in minutes** option, the user can set time intervals for the schedule to check if the job is running. Similar to the Periodical type, setting a Running frequency in minutes for 5 minutes, means the checks the job does in every 5 minutes. If the job is running, it will wait; if not, the job starts again.

This option is useful for continuous processing, such as from morning to evening. Checking the **Run only once per interval** checkbox deactivates the running frequency, causing the job to run only once during the specified time period. This option is recommended for tasks like end-of-day processing.

To stop a job after a set time interval, check the **Stop job at interval end** checkbox. The job will be forcibly stopped, even if the process is unfinished, and restarted according to the schedule settings.

The blue cells in the **Schedule** section marks the time intervals when the job is running. Exact start and end times are displayed beneath the calendar.



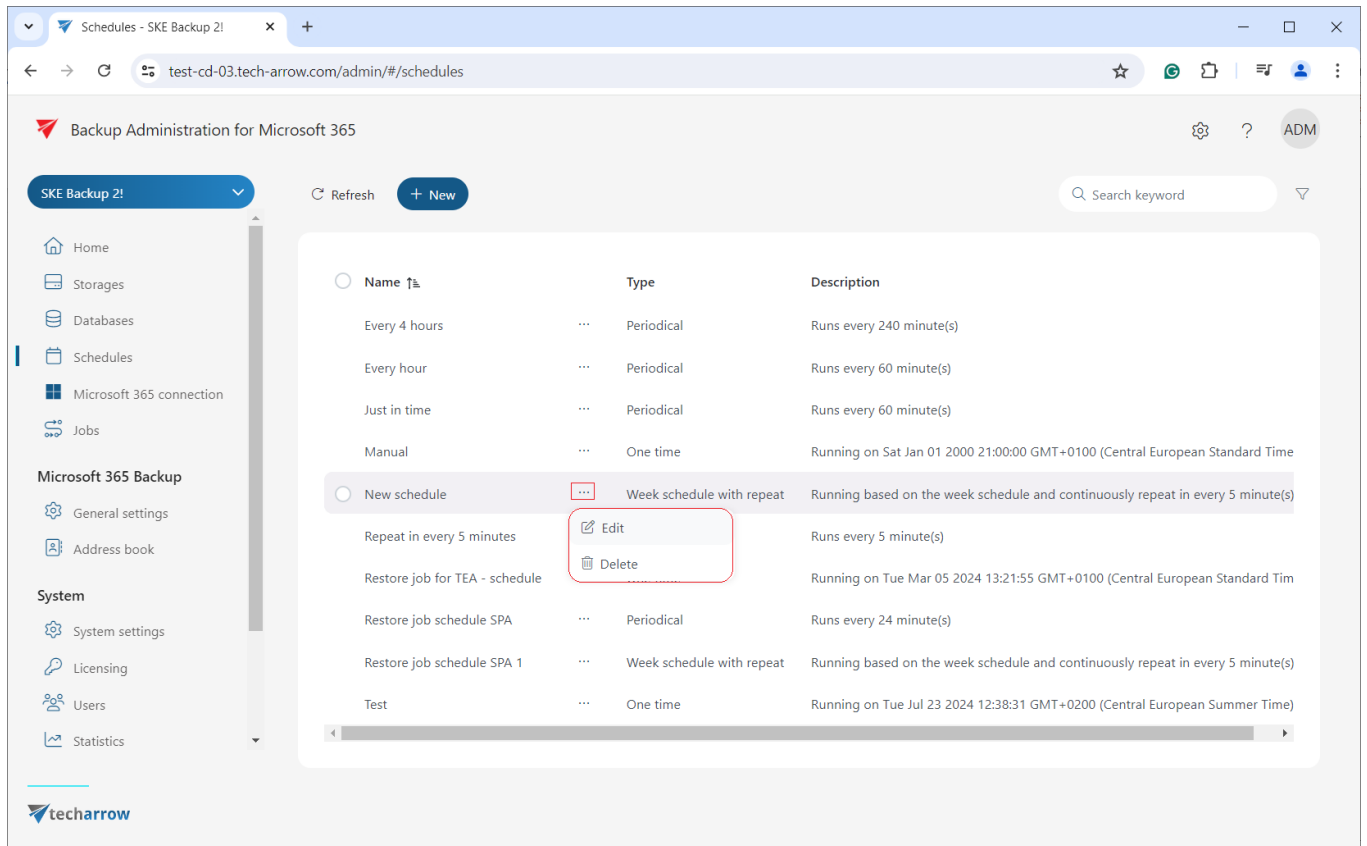
Easily set the time range by clicking cells or moving the cursor over the desired period. The blue color of the **Schedule** section's cells mark the time intervals, when the job is running. Moreover, the exact start and end times will be displayed beneath the calendar.

The time range can be easily set by clicking into the cells or by moving the cursor over the desired time range.

The screenshot shows the 'Backup Administration for Microsoft 365' interface. The main page displays a list of schedules with columns for Name, Type, and a context menu. A modal window titled 'Schedule' is open, showing the configuration for a 'Week schedule'. The modal includes a 'Name' field, a 'Type' dropdown, and a 'Schedule' grid. The grid shows a weekly schedule with blue bars indicating running times. Below the grid, there are options to 'Run only once per interval' (checked), 'Running frequency in minutes' (set to 5), and 'Stop job on interval end' (checked). The modal also has 'Save' and 'Cancel' buttons.

Name	Type	De
Every 4 hours	Periodical	Ru
Every hour	Periodical	Ru
Just in time	Periodical	Ru
Manual	One time	Ru
New schedule	Week schedule with repeat	Ru
Repeat in every 5 minutes	Periodical	Ru
Restore job for TEA - schedule	One time	Ru
Restore job schedule SPA	Periodical	Ru
Restore job schedule SPA 1	Week schedule with repeat	Ru
Test	One time	Ru

It is possible to edit or delete a schedule from the list using the selected schedule's context menu. When a schedule is selected from the list, the Delete option will appear next to the + New button, allowing you to delete the schedule. The schedule type and its description can also be viewed on the Schedules page.



Backup Administration for Microsoft 365

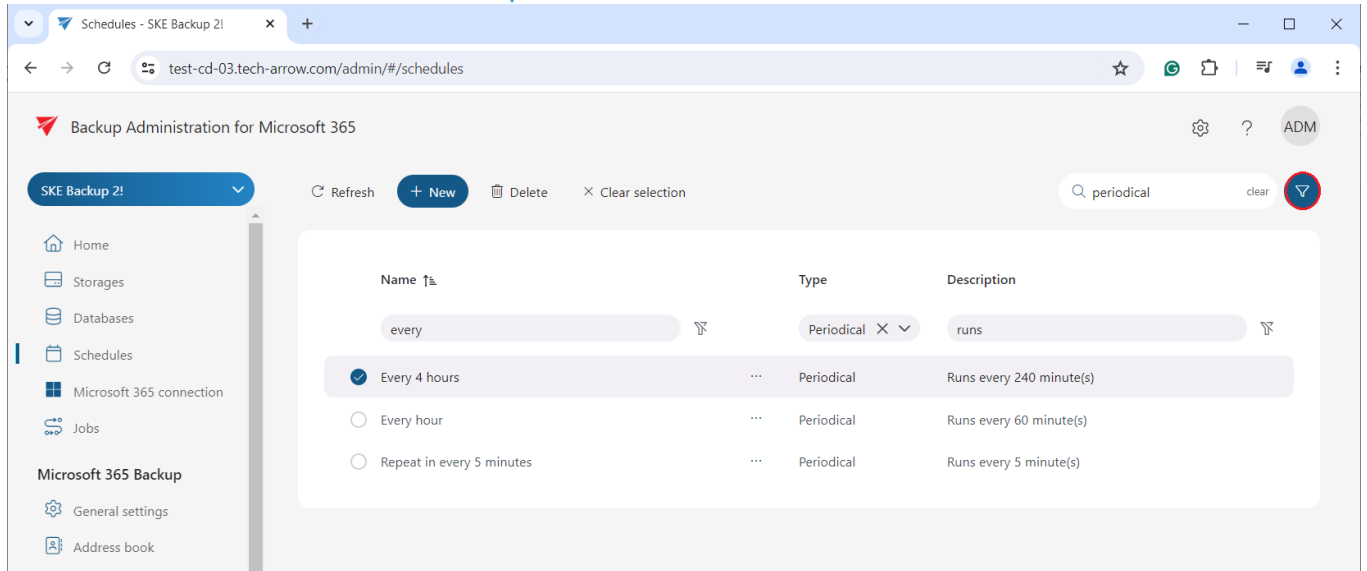
SKE Backup 2! Refresh + New Search keyword

Name	Type	Description
Every 4 hours	Periodical	Runs every 240 minute(s)
Every hour	Periodical	Runs every 60 minute(s)
Just in time	Periodical	Runs every 60 minute(s)
Manual	One time	Running on Sat Jan 01 2000 21:00:00 GMT+0100 (Central European Standard Time)
New schedule	Week schedule with repeat	Running based on the week schedule and continuously repeat in every 5 minute(s)
Repeat in every 5 minutes		Runs every 5 minute(s)
Restore job for TEA - schedule		Running on Tue Mar 05 2024 13:21:55 GMT+0100 (Central European Standard Tim
Restore job schedule SPA	Periodical	Runs every 24 minute(s)
Restore job schedule SPA 1	Week schedule with repeat	Running based on the week schedule and continuously repeat in every 5 minute(s)
Test	One time	Running on Tue Jul 23 2024 12:38:31 GMT+0200 (Central European Summer Time)

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In addition, you can **search** on this tab by clicking into the search textbox or filter schedules by the **Name**, **Type**, and **Description** columns. Simply click the **Funnel** icon to start filtering.

To filter through the **Name** or **Description** columns, enter the filter text, and it will be executed automatically. To filter by **type**, either open the dropdown menu and select a schedule type or enter the keyword manually by clicking into the **search textbox**.



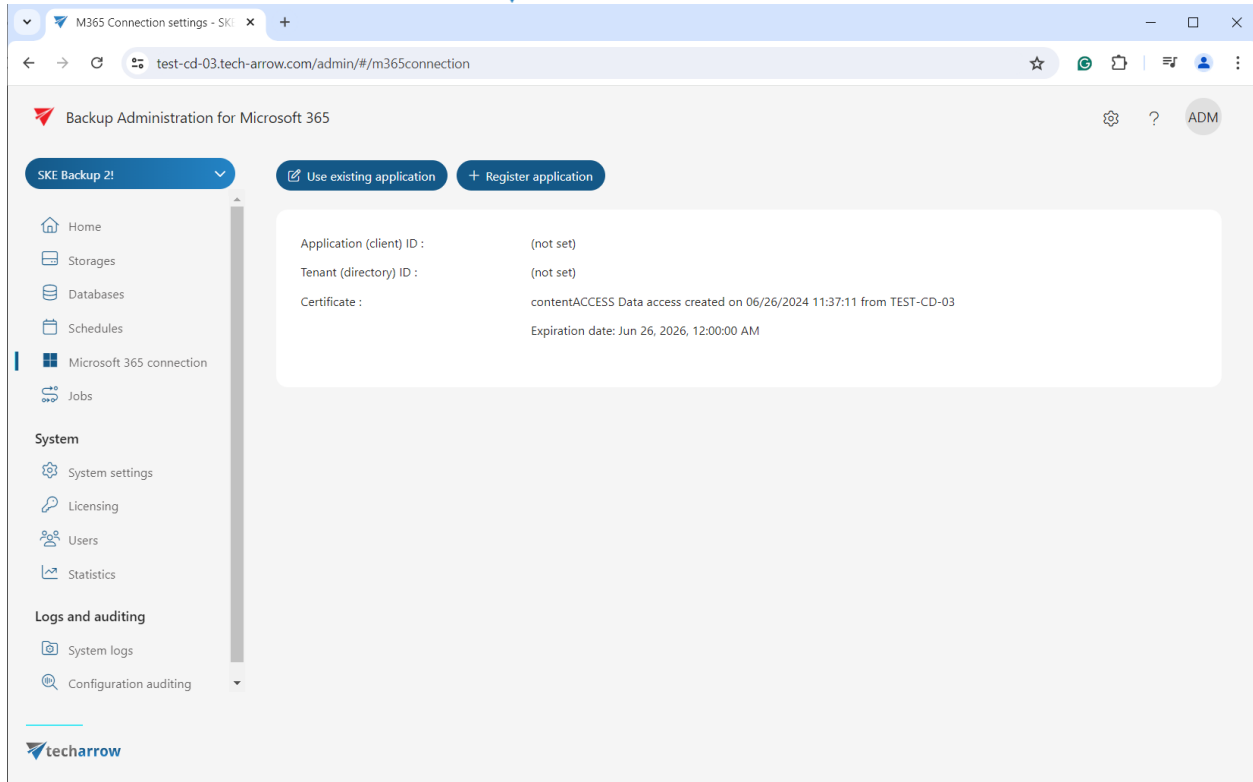
The **Refresh** button will refresh the Schedules page.

Microsoft 365 connection

In this section, we will explain how to register an application on the [Azure portal](#), enabling Backup Administration for Microsoft 365 to authenticate and connect to the Microsoft Dataverse environment using modern authentication. **Modern authentication** is a category of several different protocols (rather than a single method like username and password) that aim to enhance the security posture of cloud-based resources. It relies on token-based claims to authenticate with an identity provider and generate an access token. OAuth, an open standard, is used by many applications and websites to grant access to other systems' information without sharing the passwords.

Backup Administration uses modern authentication to connect to Exchange Online, SharePoint, OneDrive, and Teams. This requires an [Azure App registration](#) configured on the Microsoft 365 tenant.

Manual configuration through the Azure portal is not required; you can either use an **existing application** to set up the connection, or the **Application registration** process will automatically handle the connection and permissions on the Microsoft 365 connection page in Backup Administration.



Backup Administration for Microsoft 365

SKE Backup 2!

Use existing application Register application

Application (client) ID : (not set)

Tenant (directory) ID : (not set)

Certificate : contentACCESS Data access created on 06/26/2024 11:37:11 from TEST-CD-03

Expiration date: Jun 26, 2026, 12:00:00 AM

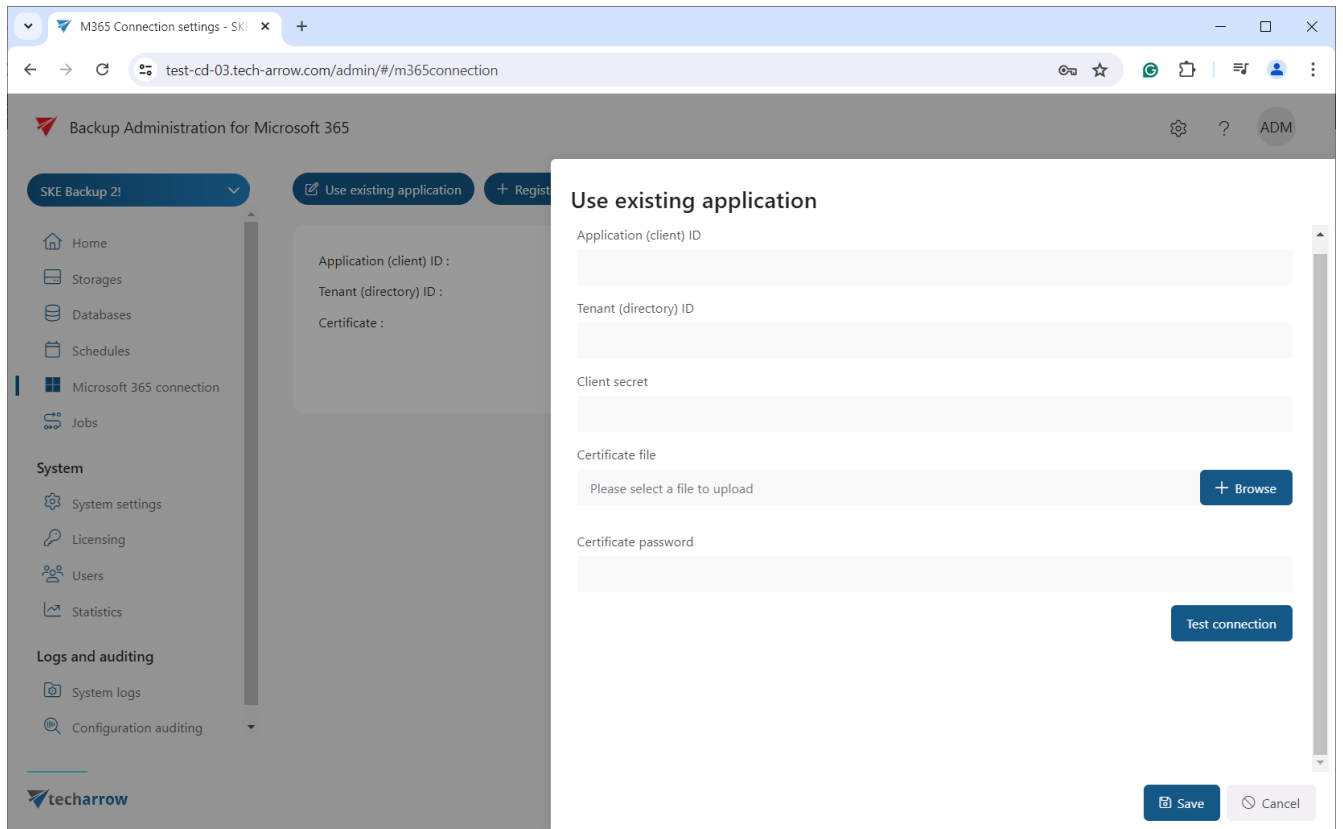
techarrow

Use existing application

Navigate to the **Microsoft 365 connection** page and click the **Use explicit application** button. A pop-up window appears, where the administrator needs to establish the connection with the Microsoft 365 services by configuring a previously registered application.



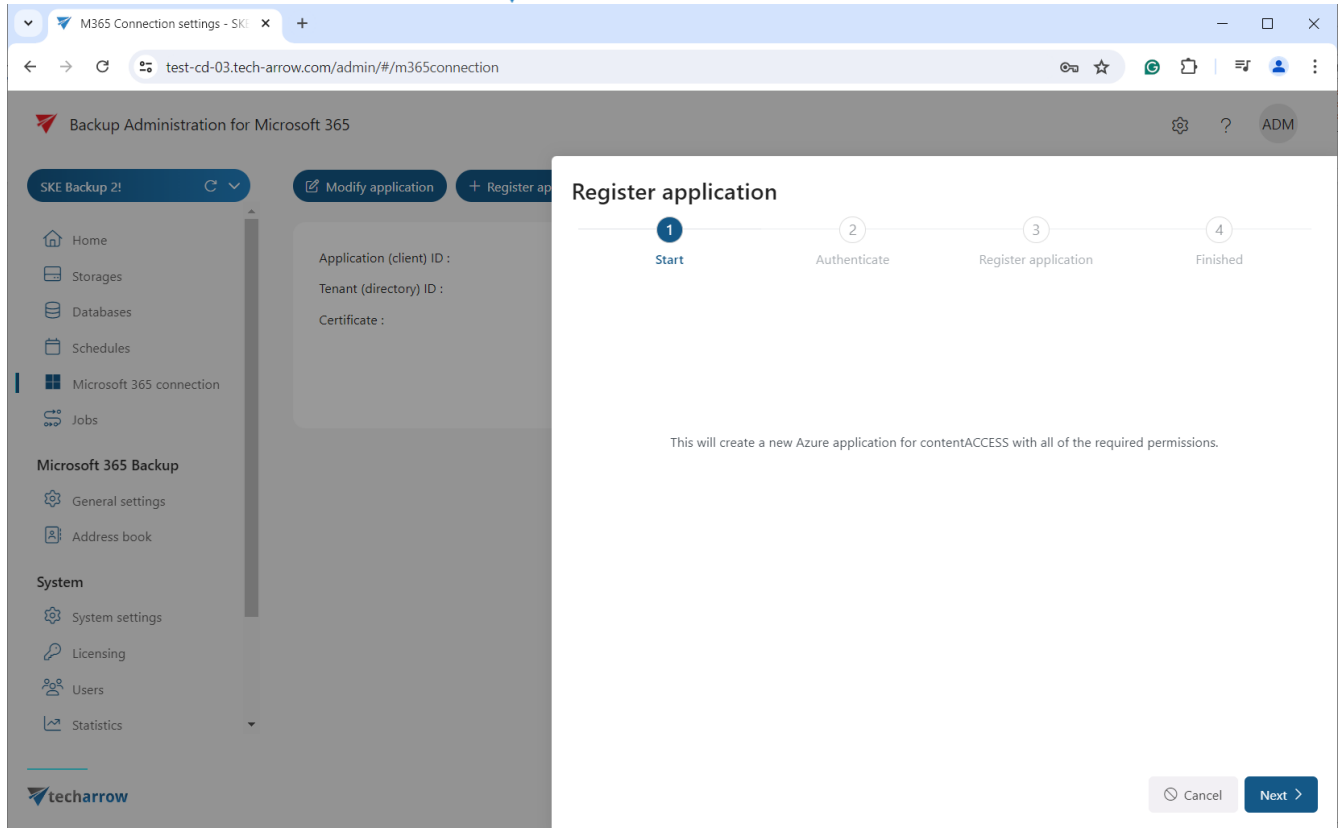
It is also possible and recommended to test the connection by clicking on the **Test connection** button.



To enable contentACCESS to authenticate and connect to Microsoft 365 services through a previously registered application, certain permissions are required. The required permissions will be collected in the following [subsection](#).

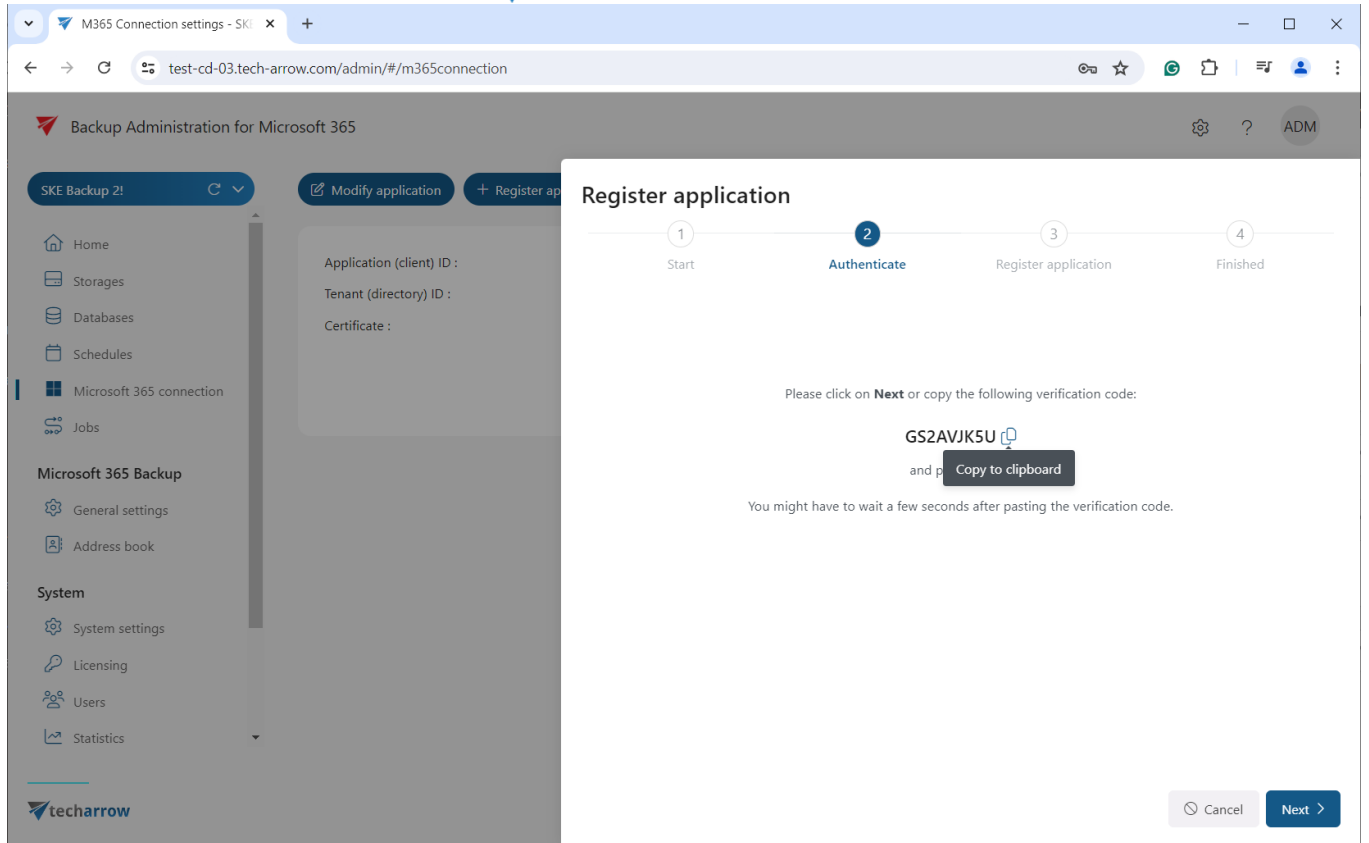
Register application

This option will create a new Azure application for contentACCESS with all the required permissions. Click the **+ Register application** button. The Register application window will appear. Here, press **Next** to start the registration process.



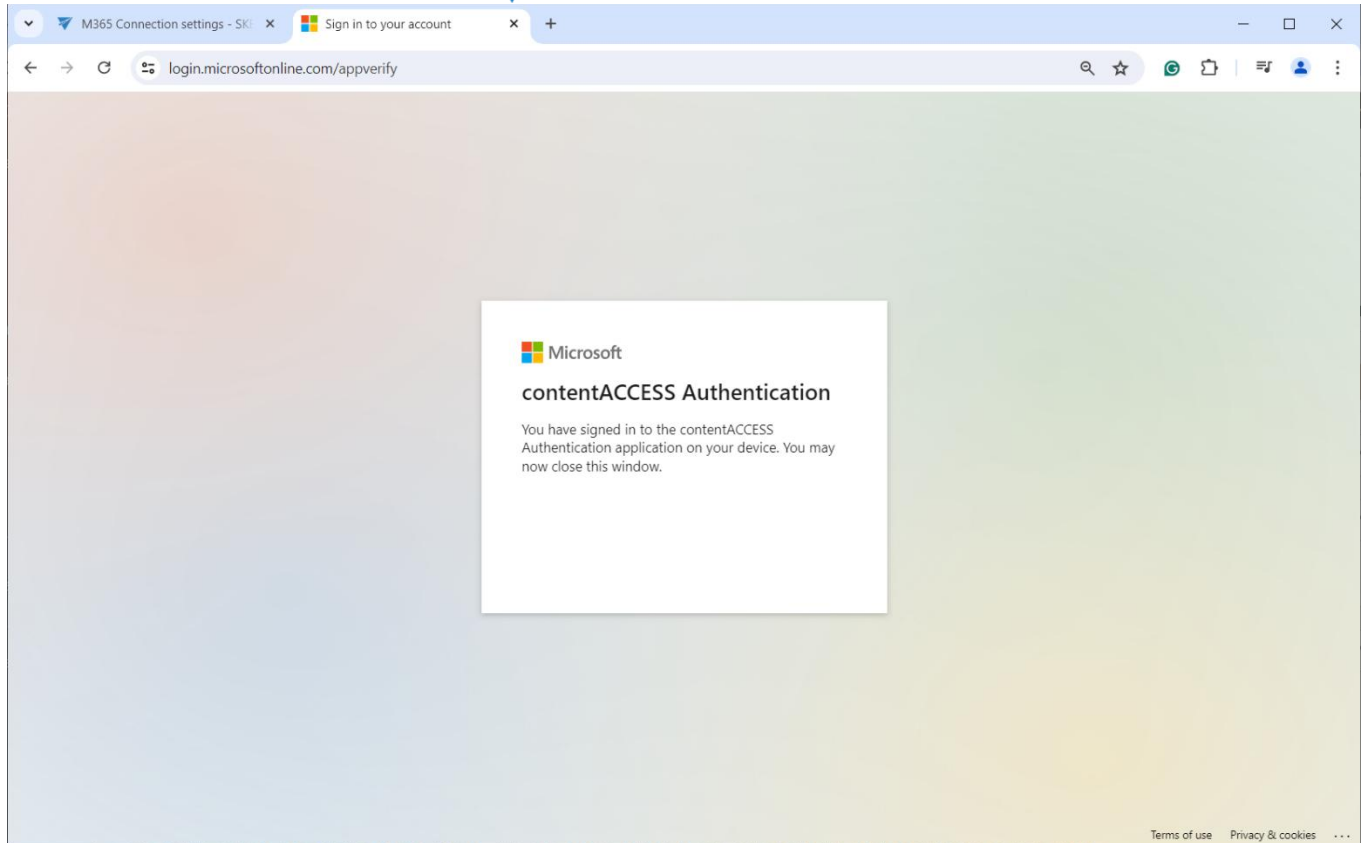
The screenshot shows a web browser window with the URL `test-cd-03.tech-arrow.com/admin/#/m365connection`. The page title is "Backup Administration for Microsoft 365". The main content area is titled "Register application" and features a progress bar with four steps: 1. Start (active), 2. Authenticate, 3. Register application, and 4. Finished. Below the progress bar, a message states: "This will create a new Azure application for contentACCESS with all of the required permissions." At the bottom right, there are "Cancel" and "Next >" buttons. The left sidebar contains navigation options: Home, Storages, Databases, Schedules, Microsoft 365 connection (selected), Jobs, Microsoft 365 Backup (General settings, Address book), System (System settings, Licensing, Users, Statistics), and the techarrow logo at the bottom.

The next step is **authentication**. First, copy the generated code before clicking Next or verify it in the window that appears (upon clicking the “here” link).

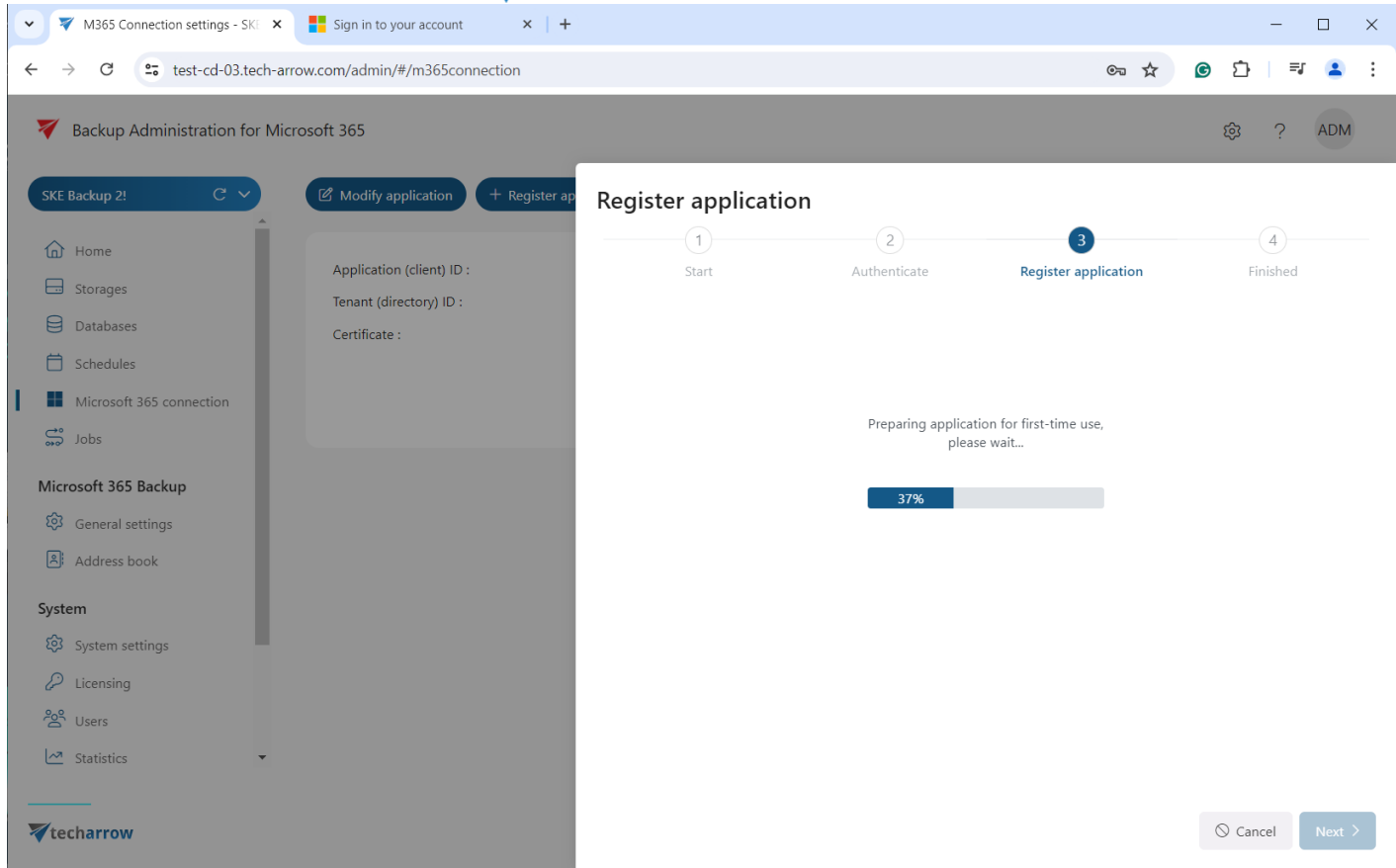


Enter the code, sign into your Azure account, and **accept** the requested permissions.





After this, return to the Microsoft 365 page to continue the registration process. App registration will begin as the third step. This may take some time, so please do not close this window or leave the page in the meantime!



Once processing is finished, the Azure application will be created, and you should grant the **requested permissions** for the app.

The screenshot shows a web browser window with the URL `test-cd-03.tech-arrow.com/admin/#/m365connection`. The page title is "Backup Administration for Microsoft 365". A modal window titled "Register application" is open, displaying a progress bar with four steps: 1. Start, 2. Authenticate, 3. Register application (highlighted), and 4. Finished. Below the progress bar, a message states: "The Azure application has been created successfully. Now you should grant the required permissions for the application." A checkmark icon is centered below the message. At the bottom right of the modal, there are "Cancel" and "Next >" buttons. The background interface includes a sidebar with navigation options like Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs, Microsoft 365 Backup (General settings, Address book), System (System settings, Licensing, Users, Statistics), and the TechArrow logo at the bottom left.



M365 Connection settings - SKI x Sign in to your account x Sign in to your account x +

login.microsoftonline.com/5e00d4cb-55dd-4d84-93a7-bd447421c63b/reprocess?ctx=rQQIARAA42JQYNRIntIzsFixN0xNTEsXSNY1tDQx1DUxsEzTT...

Microsoft
ske_admin@2h2hx3.onmicrosoft.com

Permissions requested

Review for your organization

content ACCESS Data access created on 07/11/2024
18:13:46 from TEST-CD-03
[App info](#)

This application is not published by Microsoft.

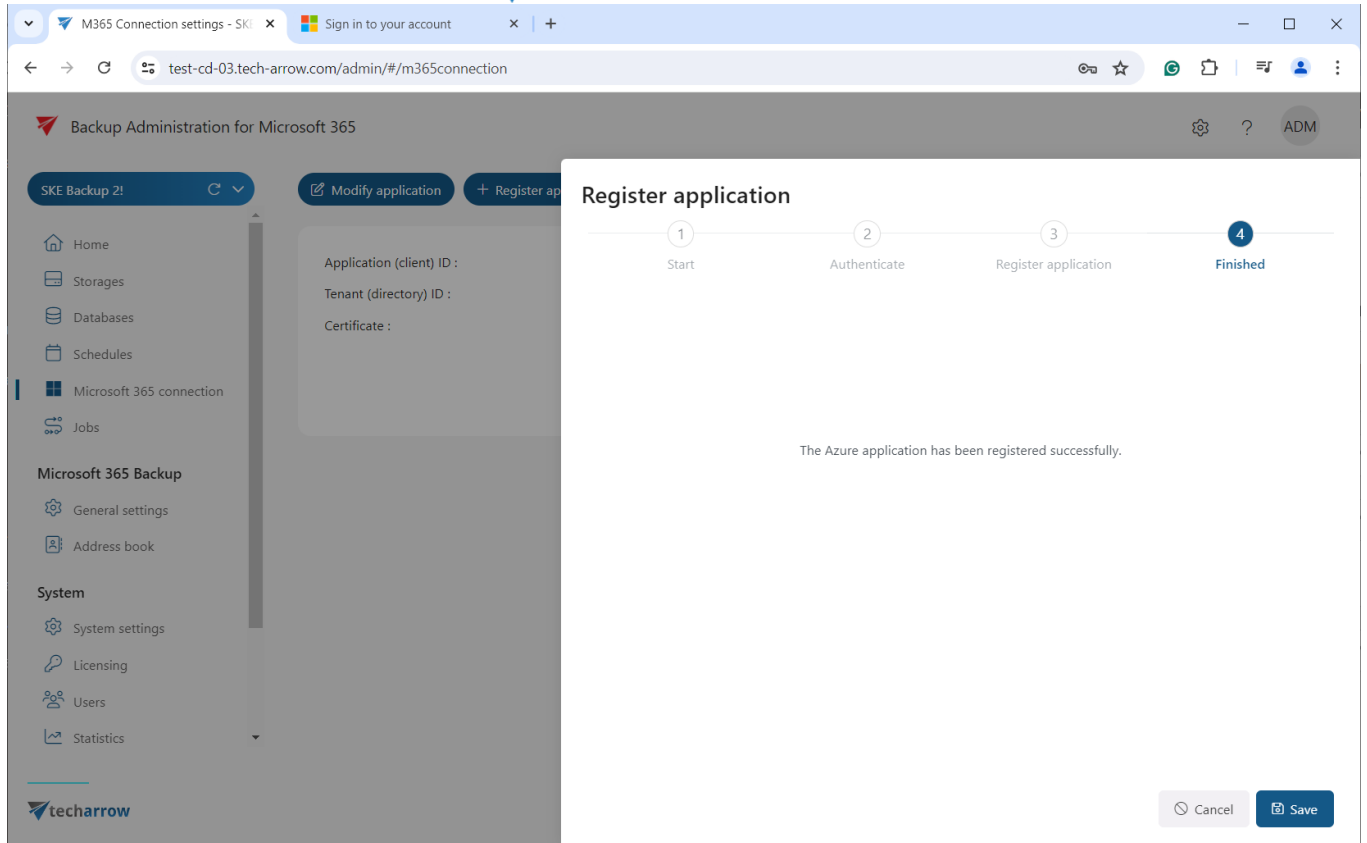
This app would like to:

- ✓ Have full control of all site collections
- ✓ Read and write items and lists in all site collections
- ✓ Read and change all teams' settings
- ✓ Read all chat messages
- ✓ Read names and members of all chat threads
- ✓ Sign in and read user profile

If you accept, this app will get access to the specified resources for all users in your organization. No one else will be prompted to review these permissions.

Accepting these permissions means that you allow this app to use your data as specified in their terms of service and privacy statement. You can change these permissions at <https://myapps.microsoft.com>. [Show details](#)

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



The screenshot shows the 'Backup Administration for Microsoft 365' interface. A modal window titled 'Register application' is open, displaying a progress bar with four steps: 1. Start, 2. Authenticate, 3. Register application, and 4. Finished. The 'Finished' step is highlighted in blue. Below the progress bar, a message states: 'The Azure application has been registered successfully.' At the bottom right of the modal, there are 'Cancel' and 'Save' buttons. The background interface shows a sidebar with navigation options like Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs, Microsoft 365 Backup (General settings, Address book), System (System settings, Licensing, Users, Statistics), and the TechArrow logo at the bottom left.

Additionally, the M365 connection can create an **Azure login provider** if it doesn't already exist. (Please note that the **User.Read.All** permission must be consented to on the Azure portal for this to work. Find out more about the Azure app registration [here](#).) When the user starts to configure the M365 connection, the wizard checks for an Azure login provider. If it's not configured, it will create 2 Azure applications: one for **contentACCESS login** (for the login provider) and one for the **contentACCESS Data access** (for the backup itself). You need to consent to both permissions.



Backup Administration for Microsoft 365

QA03 Backup Use existing application Register application

Home Storages Schedules Microsoft 365 connection Jobs System System settings Licensing Users Statistics Logs and auditing System logs Configuration auditing

Application (client) ID : (not set)
 Tenant (directory) ID : (not set)
 Certificate : (not set)

Register applications

1 Start 2 Authenticate 3 Register applications 4 Finished

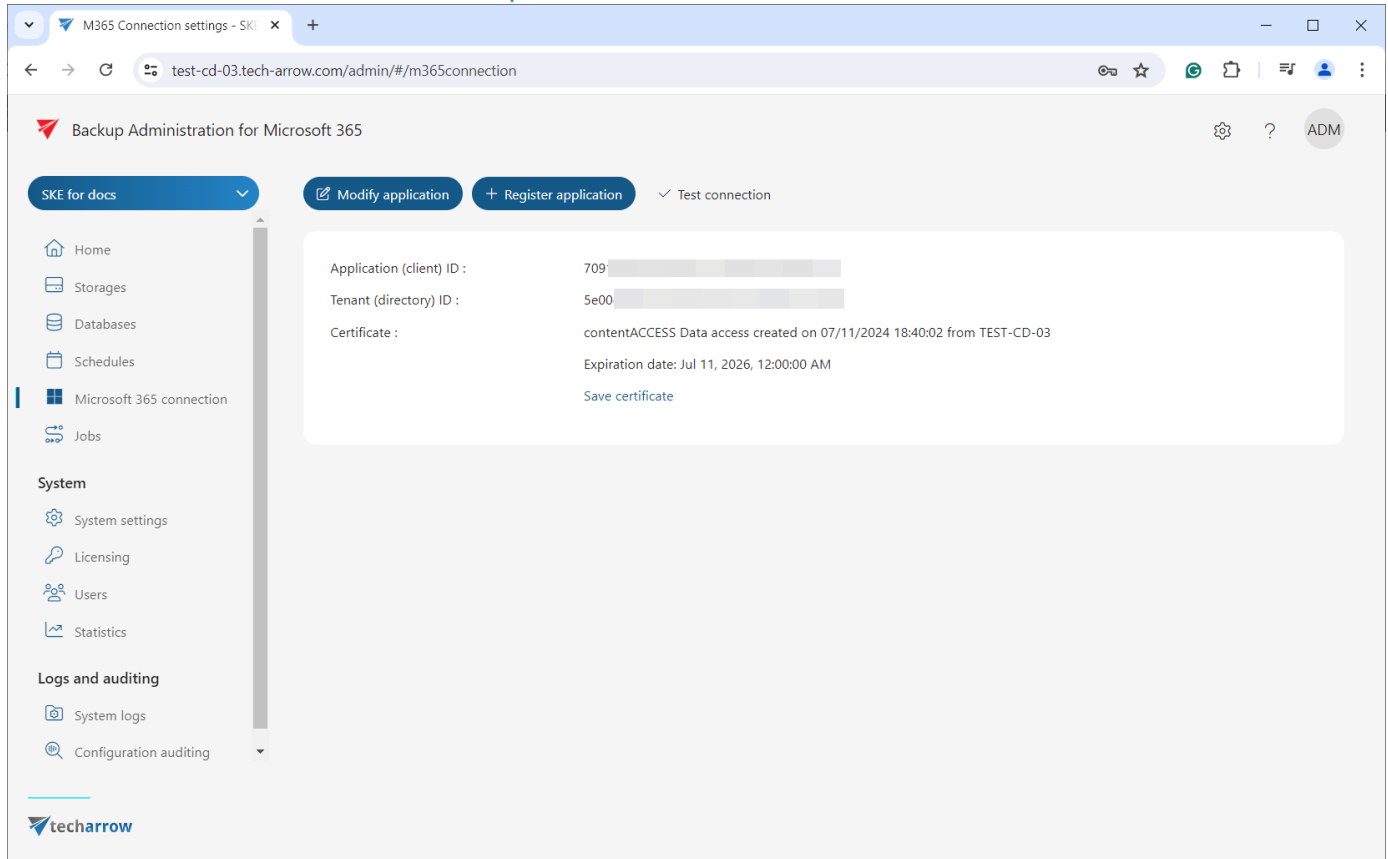
The Azure applications have been created successfully.
 Now you should grant the required permissions for the applications.

contentACCESS Login created on 07/15/2024 09:27:53 from QA02-CA-03

contentACCESS Data access created on 07/15/2024 09:27:54 from QA02-CA-03

The login provider is created when you save the M365 connection settings changes. This login type is necessary for processing Azure users. If the Azure login provider is already configured, the activation process will skip this step.

After granting the requested permissions, return to the Backup Administration and complete the registration by clicking on the **Save** button. Once the registration is complete, the **Modify application** button will replace the Use existing application button, allowing you to modify your registered application if necessary.



Backup Administration for Microsoft 365

SKE for docs

Modify application Register application Test connection

Application (client) ID : 709

Tenant (directory) ID : 5e00

Certificate : contentACCESS Data access created on 07/11/2024 18:40:02 from TEST-CD-03

Expiration date: Jul 11, 2026, 12:00:00 AM

Save certificate

Home

Storages

Databases

Schedules

Microsoft 365 connection

Jobs

System

System settings

Licensing

Users

Statistics

Logs and auditing

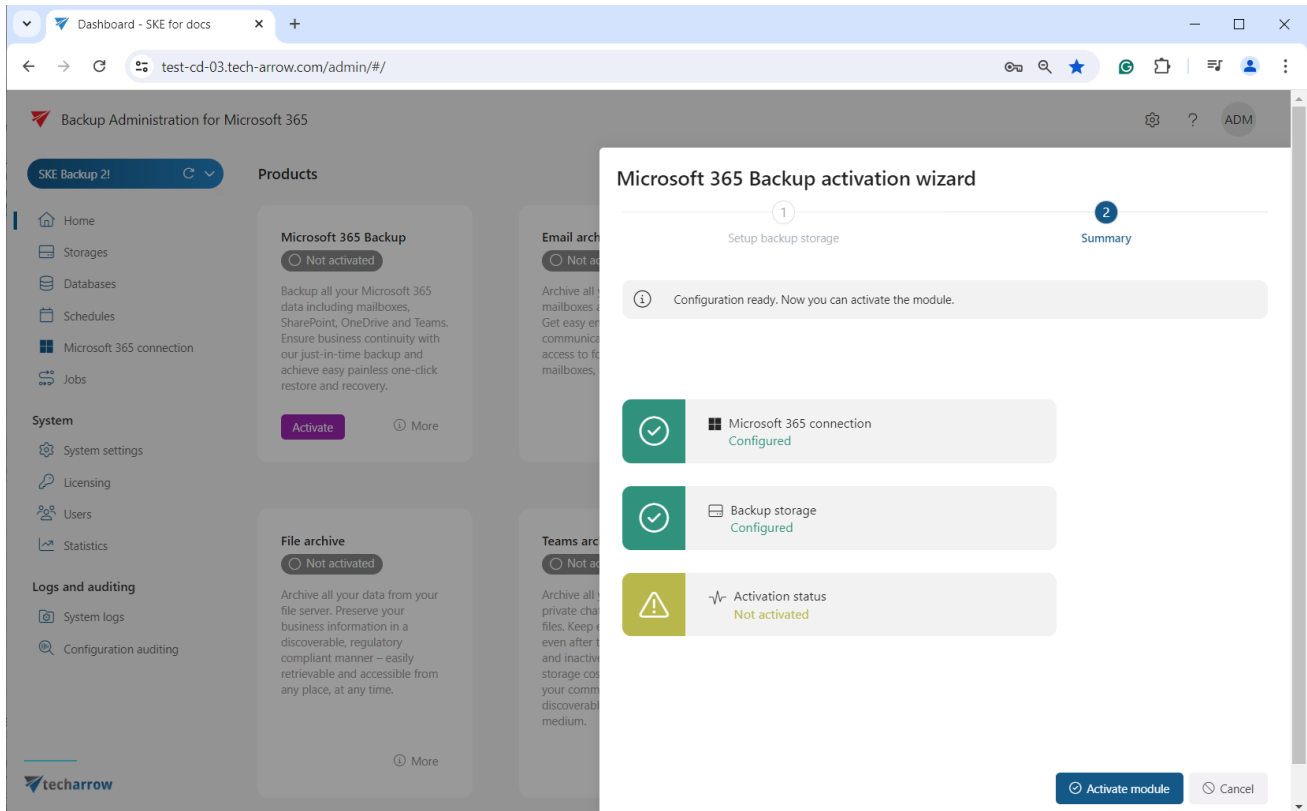
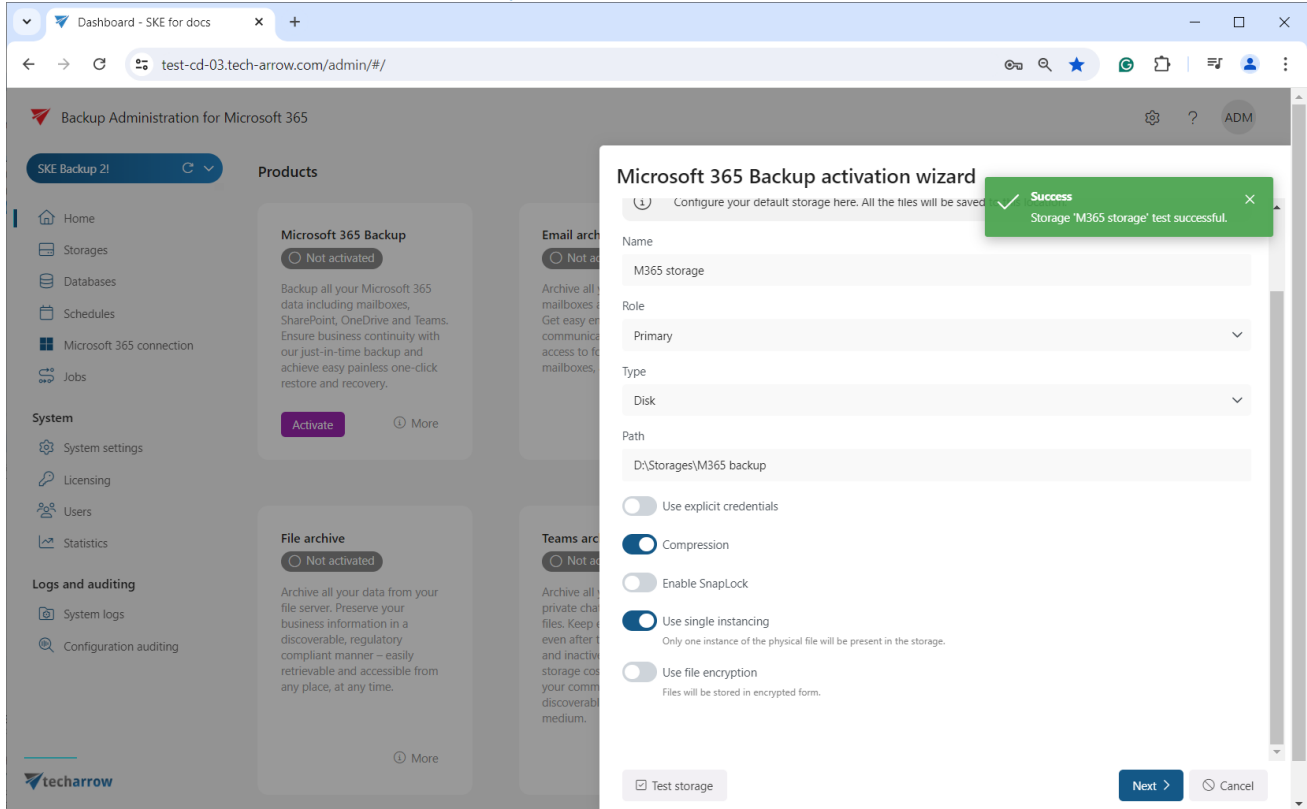
System logs

Configuration auditing

techarrow

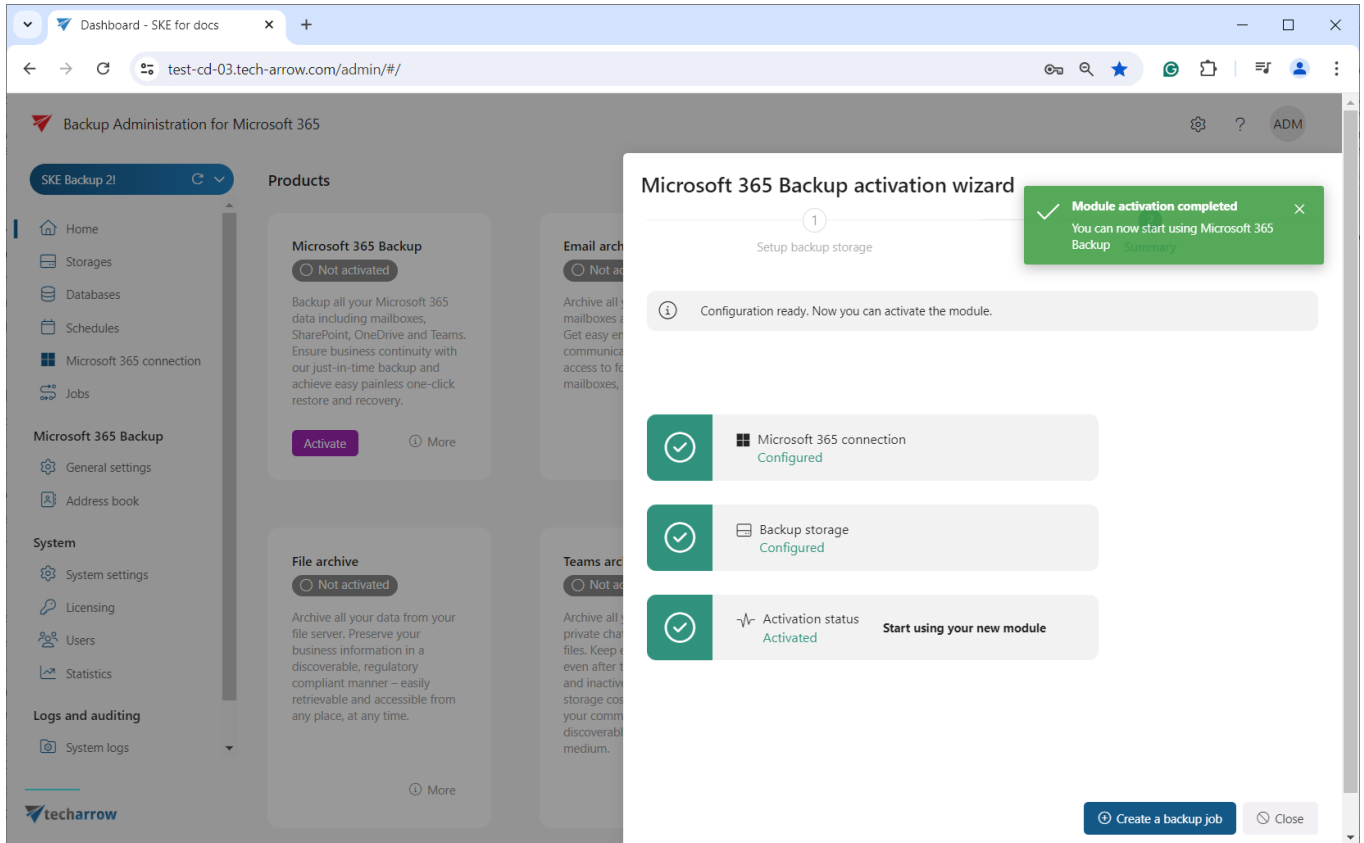
Once the M365 connection is set up, the **M365 Backup activation wizard** will guide you through setting up the backup storage and activating the module. Clicking the 'Activate' button on the Home page will guide you only through the storage configuration and tenant activation.

You can easily configure the **backup storage** in Step 2 and **activate** the module on the Summary page.





After this, you can create a backup job directly from the activation wizard or from the Jobs page.



After the app registration is completed, you can proceed with creating the **backup jobs**.

Permissions requested for Microsoft 365 connection

To enable contentACCESS to authenticate and connect to Microsoft 365 services through a previously registered application, certain permissions are required:

Requested permissions

Name	Description	Requested for
full_access_as_app	use Exchange Web Services with full access to all mailboxes	Exchange Online



Exchange.ManageAsApp	manage Exchange as Application	Exchange Online
Group.Read.All	read all groups	Email, Teams, and SharePoint
GroupMember.Read.All	read all group memberships	Email, Teams, and SharePoint
Sites.FullControl.All	have full control of all site collections	Teams and SharePoint
Sites.Manage.All	read and write items and lists in all site collections	Teams and SharePoint
Sites.ReadWrite.All	read and write items in all site collections	Teams and SharePoint
Sites.Read.All	read items in all site collections	Teams and SharePoint
TermStore.ReadWrite.All	read and write managed metadata	Teams and SharePoint
User.Read.All	read user profiles	Teams and SharePoint
Files.Read.All	read files in all site collections	Teams and SharePoint
Notes.ReadWrite.All	read and write all OneNote notebooks	Teams and SharePoint



Channel.Create	create channels	Teams
ChannelMessage.Read.All	read user channel messages	Teams
Directory.Read.All	read directory data	Teams
TeamsTab.Read-Write.All	read and write tabs in Microsoft Teams.	Teams
Teamwork.Migrate.All	create chat and channel messages with anyone's identity and with any timestamp	Teams
TeamworkTag.Read-Write.All	read and write tags in Teams	Teams
Team.Create	create teams	Teams
TeamMember.Read-Write.All	add and remove members from all teams	Teams
TeamSettings.Read-Write.All	read and change all teams' settings	Teams
TeamsAppInstallation.ReadWriteAndConsentForTeam.All	manage installation and permission grants of Teams apps for all teams	Teams



Chat.Read.All	read all chat messages	Teams chat
Chat.ReadBasic.All	read names and members of all chat threads	Teams chat

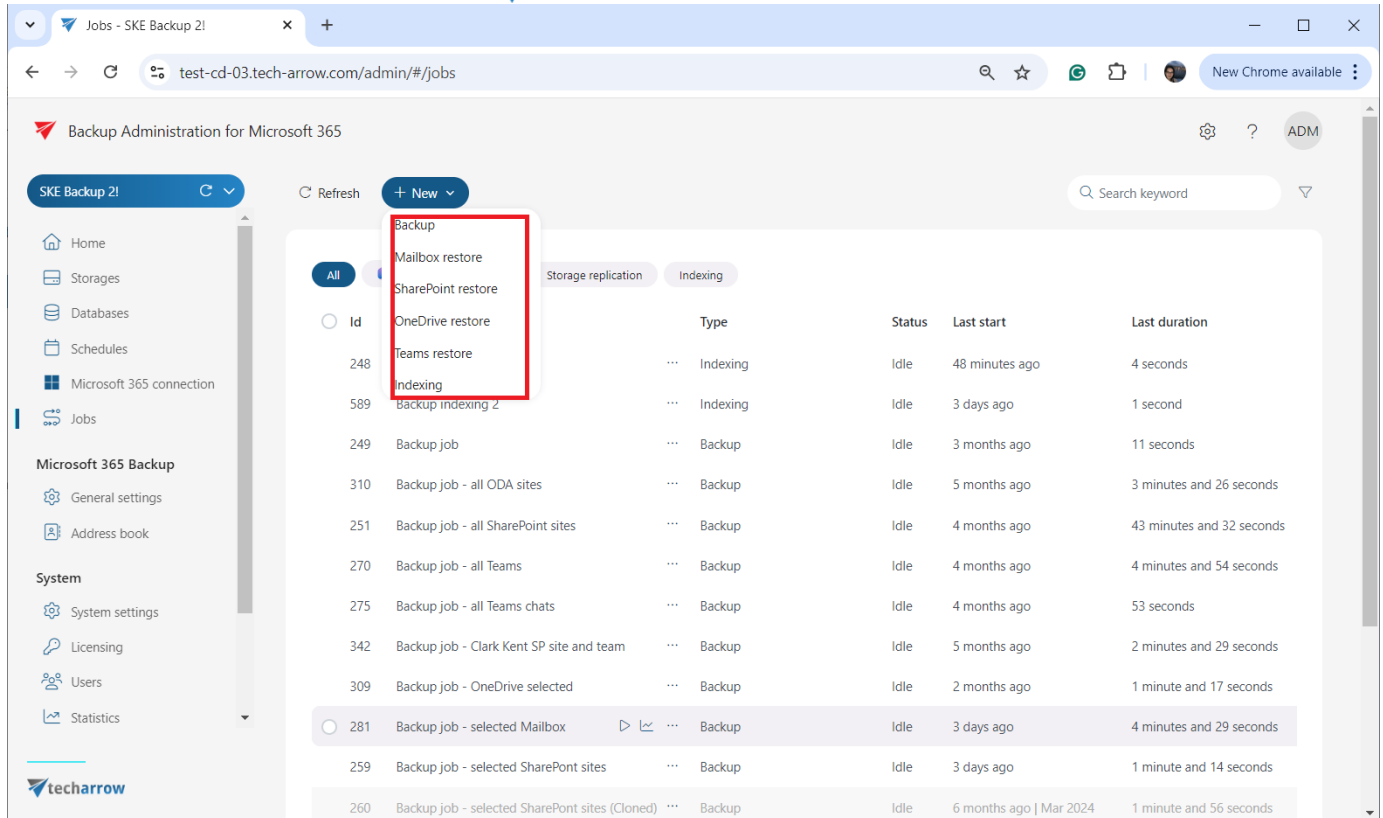
Learn more about permissions and consent [here](#).

Jobs

The **Jobs** page in Backup Administration for Microsoft 365 allows you to set up jobs customized to manage specific data management processes. You can create new jobs from a range of options to keep your data operations running smoothly. Each job has its own settings, such as scheduling, filtering, and objects to process. These configurations assign specific data processing tasks to the job. It is possible to create countless jobs of the same type, providing you the flexibility to manage your data just the way you want.

In Backup Administration, two types of jobs can be created:

- **Backup job** – allows you to copy any physical or virtual files from the selected source (mailbox, SharePoint site, MS Teams) to a secondary location. It offers secured data storage and protection against data lost due equipment failures, malicious actions, disasters, etc. You can back up all selected files, versions, and data, or only the changes made since the last backup. This includes updating items and creating versions.
- **Restore job** – the restore jobs in the Backup Administration is used to regenerate a mailbox, a SharePoint site, a OneDrive, or a team from the backup. This type of job is useful if an entire mailbox/site/OneDrive/team was deleted; or if one or more folders/items were deleted from the entity(ies) and the user wants to restore these items from the backup storage.



Id	Name	Type	Status	Last start	Last duration
248	Teams restore	Indexing	Idle	48 minutes ago	4 seconds
589	Backup indexing 2	Indexing	Idle	3 days ago	1 second
249	Backup job	Backup	Idle	3 months ago	11 seconds
310	Backup job - all ODA sites	Backup	Idle	5 months ago	3 minutes and 26 seconds
251	Backup job - all SharePoint sites	Backup	Idle	4 months ago	43 minutes and 32 seconds
270	Backup job - all Teams	Backup	Idle	4 months ago	4 minutes and 54 seconds
275	Backup job - all Teams chats	Backup	Idle	4 months ago	53 seconds
342	Backup job - Clark Kent SP site and team	Backup	Idle	5 months ago	2 minutes and 29 seconds
309	Backup job - OneDrive selected	Backup	Idle	2 months ago	1 minute and 17 seconds
281	Backup job - selected Mailbox	Backup	Idle	3 days ago	4 minutes and 29 seconds
259	Backup job - selected SharePoint sites	Backup	Idle	3 days ago	1 minute and 14 seconds
260	Backup job - selected SharePoint sites (Cloned)	Backup	Idle	6 months ago Mar 2024	1 minute and 56 seconds

To create a new job from any of these options, you need to navigate to the Jobs page and click on **+ New**. A dropdown menu will be open where you can select the desired job type (Backup, Mailbox restore, SharePoint restore, OneDrive restore, Teams restore). The job configuration window will appear, allowing you to set the selected job based on your preferences. Further information about configuring jobs can be found in the respective subsection.

On the same page, you can refresh the list of available jobs by pressing the **Refresh** button.

The grid contains the following columns: **ID** number, **Name**, **Type**, and **Status**. If the job is in Idle status, it means that the job has completed the task and is not running.

The next columns provide information about the **Last start**, **Last duration** and **Progress**. The Progress column shows the volume of the items already processed, while the **Summary** column gives an overview of the processed, skipped, and failed items.

The **Next start** column indicates when the job will restart the processing (if the schedule is set to Periodical or Week schedule with repeat).



The **Is active** column whether the job is active or deactivated. Active jobs will run based on the schedule; deactivated jobs are not running and cannot be manually started.

In the **Cluster node** column, you can see the node where the selected job can run.

The **Running on** column informs the user about the node where the job is currently running.

Microsoft 365 Backup Storage replication Indexing												
ID	Name	Type	Status	Last start	Last duration	Progress	Summary	Next start	Is active	Cluster node	Running on	
248	Backup indexing	Indexing	idle	1 minute ago	35 seconds	0 %	121 entities processed, 0 items processed	Never		Any available	-	
589	Backup indexing 2	Indexing	idle	-	-	-	-	-		Any available	-	
249	Backup job	Backup	idle	1 month ago	11 seconds	100 %	1 mailbox backed up, 3 emails backed up	Never		Any available	-	
310	Backup job - all ODA sites	Backup	idle	3 months ago	3 minutes and 26 seconds	22 %	19 OneDrives backed up, 104 documents backed up	Never		Any available	-	
251	Backup job - all SharePoint sites	Backup	idle	2 months ago	43 minutes and 32 seconds	7 %	17 sites backed up, 1732 documents backed up	Never		Any available	-	
270	Backup job - all Teams	Backup	idle	2 months ago	4 minutes and 54 seconds	100 %	12 Teams backed up (13 failed), 1 message backed up	Never		Any available	-	
275	Backup job - all Teams chats	Backup	idle	2 months ago	53 seconds	100 %	19 users backed up, 28 chats backed up, 0 messages backed up	Never		Any available	-	
342	Backup job - Clark Kent SP site and team	Backup	idle	3 months ago	2 minutes and 29 seconds	10 %	1 site backed up, 19 documents backed up	Never		Any available	-	
309	Backup job - OneDrive selected	Backup	idle	1 week ago	1 minute and 17 seconds	7 %	1 OneDrive backed up, 136 documents backed up	Never		Any available	-	
281	Backup job - selected Mailbox	Backup	idle	2 months ago	16 seconds	100 %	1 mailbox backed up, 2 emails backed up	Never		Any available	-	
259	Backup job - selected SharePoint sites	Backup	idle	2 months ago	4 minutes and 54 seconds	8 %	12 sites backed up, 1575 documents backed up	Never		Any available	-	
273	Backup job - Teams chat selected	Backup	idle	2 months ago	25 seconds	100 %	3 users backed up, 11 chats backed up, 0 messages backed up	Never		Any available	-	
406	Backup job - Teams chat selected (Cloned)	Backup	idle	2 months ago	34 seconds	100 %	1 Team backed up, 9 messages backed up	Never		Any available	-	
269	Backup job - Teams selected sites	Backup	idle	2 months ago	25 seconds	100 %	1 Team backed up, 0 messages backed up	Never		Any available	-	
282	Mailbox restore job	Mailbox restore	idle	3 months ago	7 seconds	100 %	1 mailboxes recovered 0 emails recovered (228 existing mails)	Never		Any available	-	

Any changes to a job can be made from the job context menu. To access this menu, select the corresponding job from the list and left click on the ellipses (...). The context menu of a job contains the following options:

- Start/Stop** – by default, only the Start button is displayed in the context menu, allowing you to start the job manually. Once the job is started, the Stop button will appear in the menu, enabling you to stop the selected job.
- Show progress** – this option relocates you to the **Job progress page**, where you can monitor the job's progress, and check the session logs.
- Show last logs** – selecting this option redirects you to the **System logs** page. Here, the last run of the selected job will be preselected, and the corresponding backed events will be displayed in the table of events
- Clone** – use this option to create a clone of an already configured job. The clone will have the same configuration as the original job. Upon clicking the Clone option, the **Clone job** window appears, with the display name automatically filled out. You can change or edit the name as desired, then press the **Clone** button



5. **Edit** – opens the **Job configuration** window, where you can modify an already configured job
6. **Assign to cluster node** – the Assign job to cluster node pop-up window appears, allowing you to assign a cluster node to the selected job
7. **Deactivate** – this option lets you deactivate jobs that are not in use for a long time but may be used in the future. Deactivating a job does not delete it permanently; it will only be marked as inactive and will not run according to the schedule, nor can it be manually started. Running and waiting jobs cannot be deactivated
8. **Delete** – you can permanently delete selected jobs from the list with this option. Running and waiting jobs cannot be deleted.

The screenshot shows the 'Backup Administration for Microsoft 365' interface. A table lists various backup jobs. A context menu is open over the first job, 'Backup indexing', with the following options:

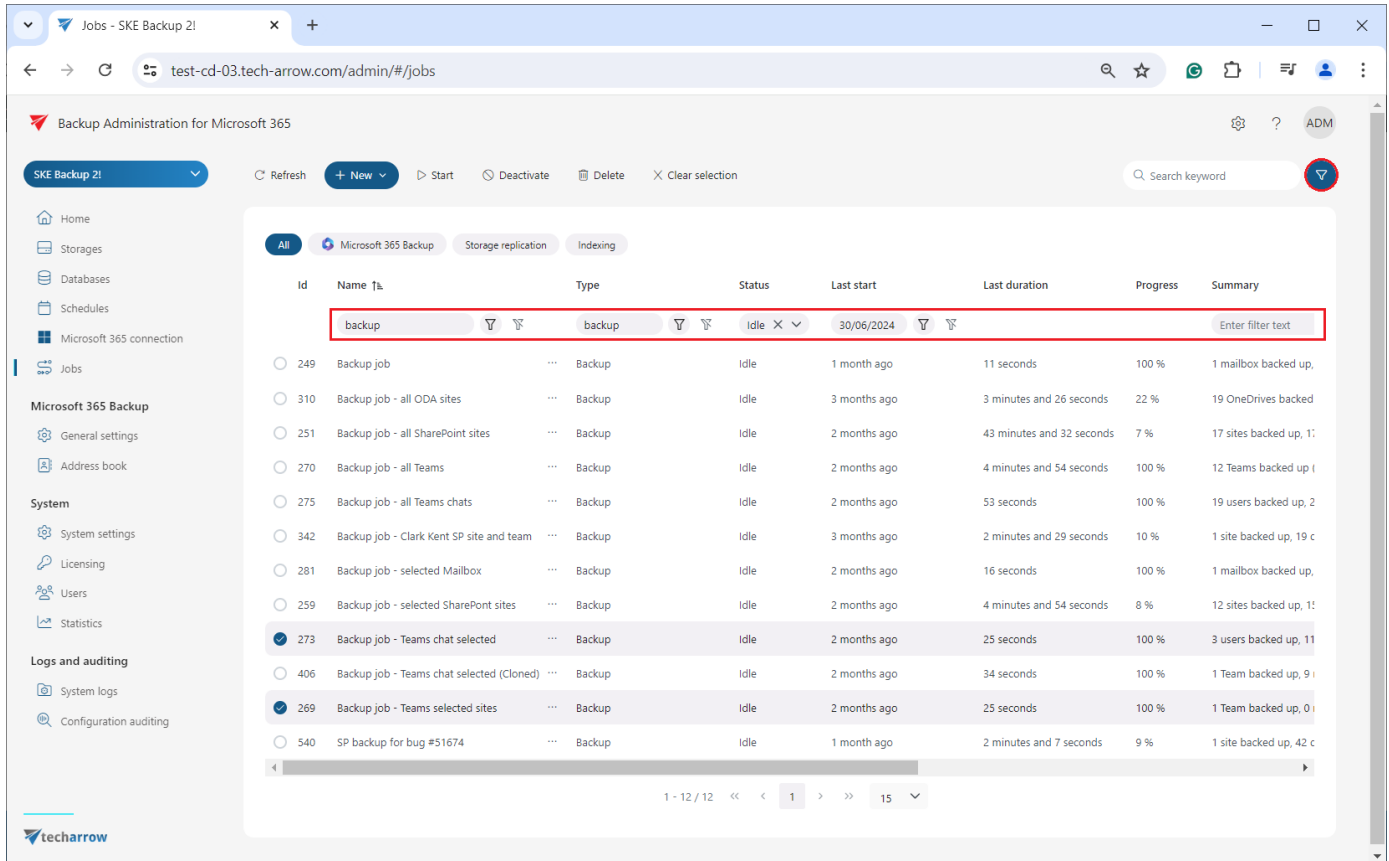
- Processing
 - Start **1.**
 - Show progress **2.**
 - Show logs **3.**
- Configuration
 - Clone **4.**
 - Edit **5.**
 - Assign to cluster node **6.**
 - Deactivate **7.**
- Other
 - Delete **8.**

Id	Name	Type	Status	Last start	Last duration	Progress	Summary
248	Backup indexing	Indexing	idle	39 minutes ago	13 seconds	0 %	121 entries processed, 0 item
589	Backup indexing 2		idle	-	-	-	-
249	Backup job		idle	1 month ago	11 seconds	100 %	1 mailbox backed up, 3 emails
310	Backup job - all ODA sites		idle	3 months ago	3 minutes and 26 seconds	22 %	19 OneDrives backed up, 104 i
251	Backup job - all SharePoint sites		idle	2 months ago	43 minutes and 32 seconds	7 %	17 sites backed up, 1732 docu
270	Backup job - all Teams		idle	2 months ago	4 minutes and 54 seconds	100 %	12 Teams backed up (13 failc
275	Backup job - all Teams chats		idle	2 months ago	53 seconds	100 %	19 users backed up, 28 chats l
342	Backup job - Clark Kent SP site and team		idle	3 months ago	2 minutes and 29 seconds	10 %	1 site backed up, 19 document
309	Backup job - OneDrive selected		idle	1 week ago	1 minute and 17 seconds	7 %	1 OneDrive backed up, 136 dc
281	Backup job - selected Mailbox		idle	2 months ago	16 seconds	100 %	1 mailbox backed up, 2 emails
259	Backup job - selected SharePoint sites		idle	2 months ago	4 minutes and 54 seconds	8 %	12 sites backed up, 1575 docu
273	Backup job - Teams chat selected	Backup	idle	2 months ago	25 seconds	100 %	3 users backed up, 11 chats b
406	Backup job - Teams chat selected (Cloned)	Backup	idle	2 months ago	34 seconds	100 %	1 Team backed up, 9 message
269	Backup job - Teams selected sites	Backup	idle	2 months ago	25 seconds	100 %	1 Team backed up, 0 message
282	Mailbox restore job	Mailbox restore	idle	3 months ago	7 seconds	100 %	1 mailboxes recovered 0 email

It is also possible to search through the jobs using the search textbox in the top right corner of the page or to filter out specific types of jobs from the list. Filtering can be done by clicking on the available options (All, Microsoft 365 Backup, Indexing, etc.) or by clicking on the funnel icon.

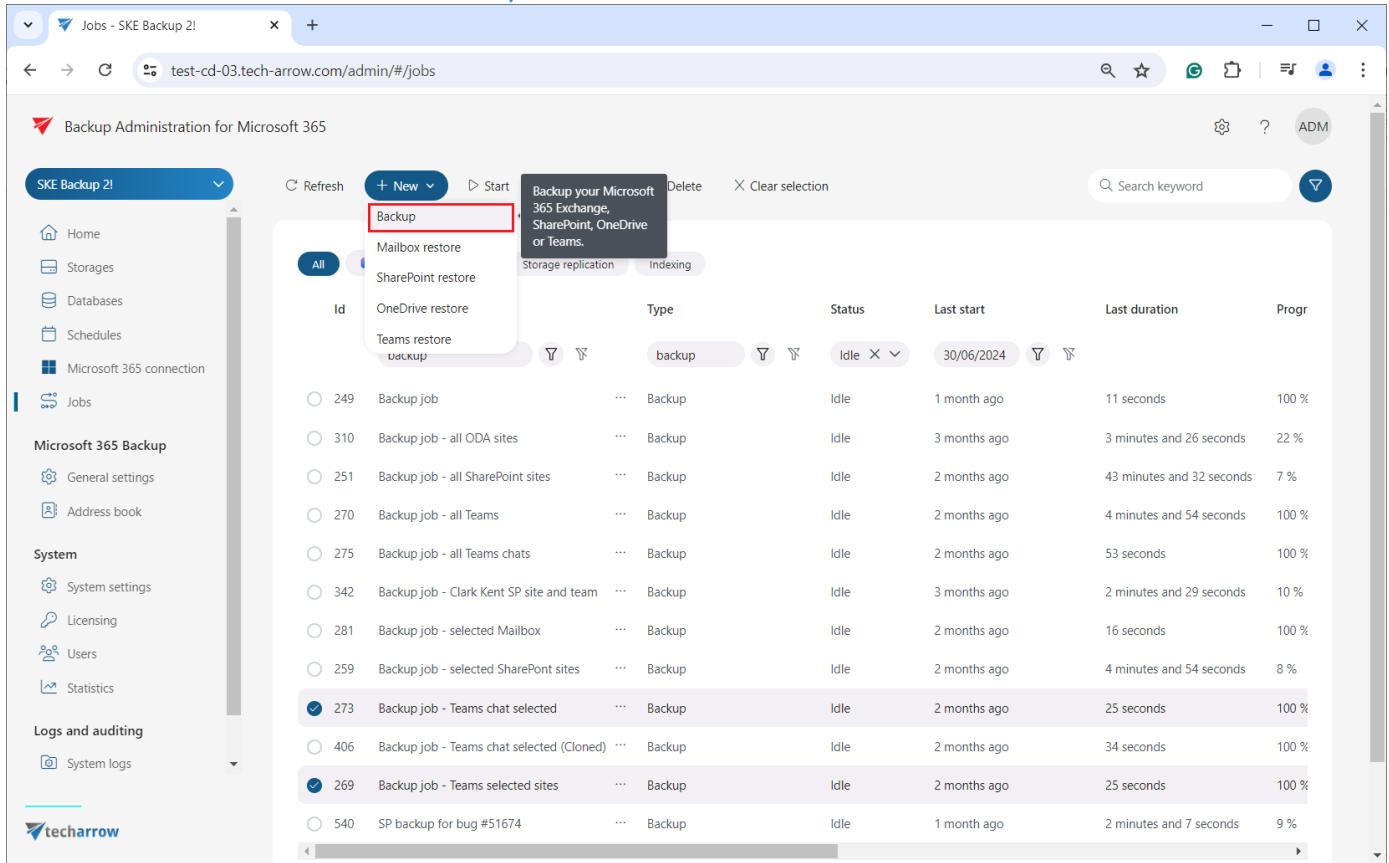


If you press the funnel icon, an extra row will appear under the column titles, allowing you to filter different values with using various methods.



Backup job

As it was mentioned before, the purpose of the backup job is to securely store data and prevent or aid any potential data loss. A backup job can be easily created from the **Jobs** page by clicking the **+ New** button. Then, select the **Backup** option from the dropdown menu. The **Job configuration** page will appear, where you can configure the backup job according to your preferences.



On the job's configuration page, you need to go through the following sections:

✓ **Name** – each backup job requires a unique name to distinguish it from other backup jobs. It is recommended to give the job a name that clearly indicates the model's backup it was created for.

Name

✓ **Cluster nodes** – here, you can set the node, where the backup job will run.

Cluster nodes

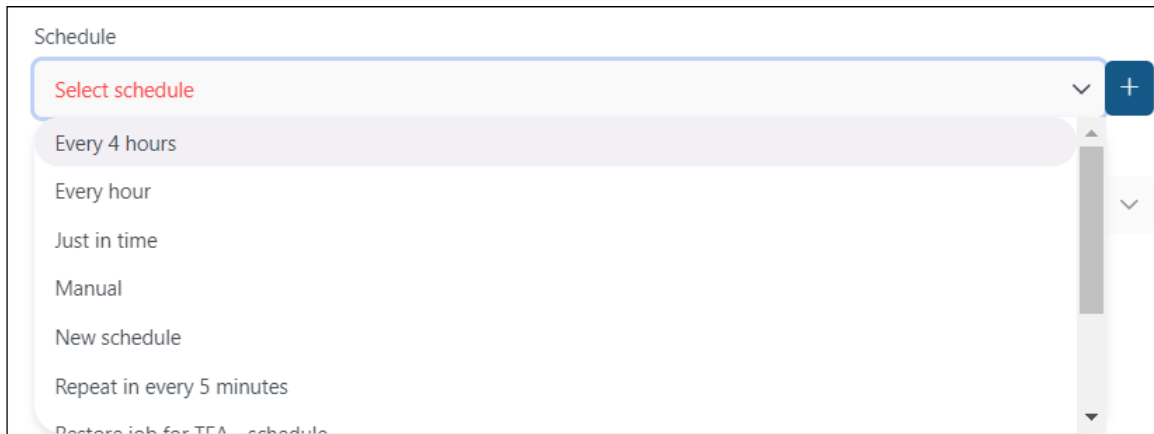
Any available

Any available

TEST-CD-03



✓ **Schedule** – in this step, you must select the running times of the backup job. You can either select a schedule from the list or create a new one by pressing the + button in the Schedule row. For backup jobs, it is recommended to set up a schedule that will run continuously, or at certain times during the week. For more information about setting schedules, please refer to the section [Schedules](#) above.



✓ **Storage** – the processed binaries will be stored here. This section cannot be edited on the Job configuration page because the default storage set on the Storages tab will automatically be used for the backup job. For more information on setting storages, refer to the section [Storages](#).



✓ **Objects to backup** – in this section, you can select mailboxes, [Microsoft 365 groups](#) and mailbox groups, SharePoint and OneDrive sites, teams and private chats to be processed by the backup job. There are two options to choose from: **+ Add organization** (in this case, the whole organization or all mailboxes/SharePoint sites/OneDrive/teams/private chats will be processed) and **+ Add selected** (where only the selected mailboxes / mailbox groups / SharePoint sites / OneDrive / Teams / Private chats will be processed).



Objects to backup

+ Add organization ▾ + Add selected ▾

Type	Display name	Details
Mailbox	Emma Kent	Emma.Kent@2h2hx3.onmicrosoft.com
OneDrive	Emma Kent	https://2h2hx3-my.sharepoint.com/personal/emma_kent_2h2hx3_onmi...

If you select the whole organization or all mailboxes / SharePoint sites / etc., the chosen entities will be listed in the Object to backup section. If you wish to back up only selected entities, click the **+ Add selected** option first, then choose from the dropdown menu.

Objects to backup

+ Add organization ▾ + Add selected ▾

Type

- Team
- Private chat

Notification settings

Send when

Mailbox

Mailbox group

M365 group

SharePoint site

OneDrive

Teams

Private chats

Details

#TESTING#

Vanessa.Kent@2h2hx3.onmicrosoft.com

Upon selecting an option, a repository of mailboxes or mailbox groups / SharePoint sites / OneDrive / teams or private chats will appear in a pop-up window. Check the desired entities, then click **Select**.

Select SharePoint site ×

Display name	Details
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>
All Company	https://2h2hx3.sharepoint.com/sites/allcompany
Analysis Tool - Private	https://2h2hx3.sharepoint.com/sites/AnalysisTool-Private
Analysis Tool-Shared	https://2h2hx3.sharepoint.com/sites/AnalysisTool-Shared
Apps	https://2h2hx3.sharepoint.com/sites/appcatalog
AT_team - Private	https://2h2hx3.sharepoint.com/sites/AT_team-Private
AT_Team site	https://2h2hx3.sharepoint.com/sites/AT_Teamsite
AT_team-Shared	https://2h2hx3.sharepoint.com/sites/AT_team-Shared
Backup 4	https://2h2hx3.sharepoint.com/sites/Backup4
<input type="radio"/> Backup1	https://2h2hx3.sharepoint.com/sites/Backup1

It is also possible to remove the chosen entities by selecting them. In this case, a Remove option will appear in the Object to backup section, allowing you to remove the previously selected entity.

Objects to backup

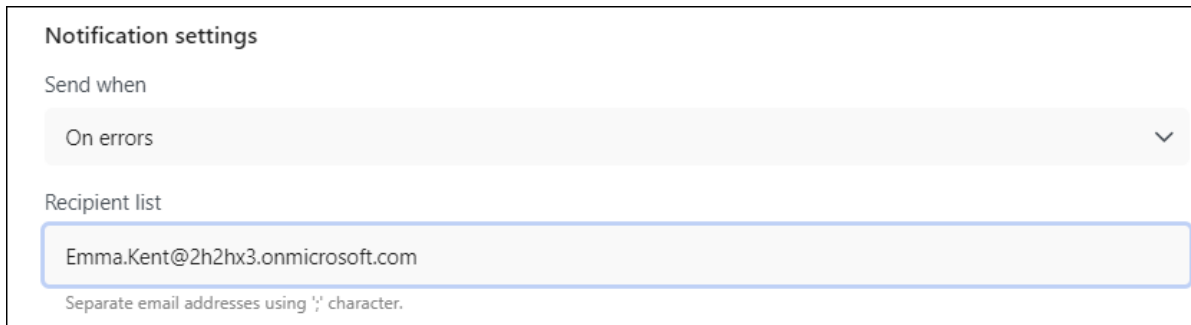
	Type	Display name	Details
<input type="radio"/>	Mailbox	Emma Kent	Emma.Kent@2h2hx3.onmicrosoft.com
<input checked="" type="radio"/>	OneDrive	Emma Kent	https://2h2hx3-my.sharepoint.com/personal/emma_kent_2h2hx3_onmi...

Note: You can select multiple entities from different models. For example, you can back up mailboxes and teams at the same time with the same backup job.



✓ Notification settings

Here, select the cases when you need to receive notification emails from the backup job. You can choose to receive notifications always, never, or only if an error/warning occurs during the backup process. For example, if the backup of one or more items fails, you may get a notification email about this error. In the **Recipient list** textbox, insert the email address(es) of the person/people to whom you would like to send these emails.



The screenshot shows a 'Notification settings' form. It has a 'Send when' dropdown menu currently set to 'On errors'. Below it is a 'Recipient list' text input field containing the email address 'Emma.Kent@2h2hx3.onmicrosoft.com'. A small note below the input field says 'Separate email addresses using ; character.'

✓ Resource settings

Set the value, that will determine how many items will be processed simultaneously by the backup job. The recommended value is 2.



The screenshot shows a 'Resources settings' form. It has a 'Worker thread count' spinner control with the value '2' displayed. There are up and down arrow buttons on the right side of the spinner.

Never forget to save your job configurations at the end. Click the **Save** button at the bottom of the UI to be redirected to the Jobs page.

If you want to start the processing immediately, press the **Save and run** button. This action will start the backup job, and you will be redirected to the Job progress page.



Job configuration ?

Name
SharePoint backup job

Cluster nodes
Any available ▼

Schedule
Every 4 hours ▼ +

Storage
SKE Backup 2! ▼

Objects to backup

+ Add organization ▼ + Add selected ▼

Type	Display name	Details
Site	CA Backup 2!	https://2h2hx3.sharepoint.com/sites/CABackup2

Notification settings

Send when
Always ▼

Recipient list
Emma.Kent@2h2hx3.onmicrosoft.com
Separate email addresses using ',' character.

Resources settings

Worker thread count
2 ▼

Save Save and run Cancel

In the **Job progress window**, you can check the progress bar, which shows the current state of the job (if it's running or done) and the progress of the backup.

Moreover, you can restart a finished job or stop a running job by clicking the Start/Stop button on the Job progress window, as well as check the last logs by clicking the Show last logs option.



This window also contains the **session logs** for the currently running job.

Additionally, it is also possible to modify the job from this page. Upon pressing the Modify job button, you will be redirected to the Job configuration page.

Job progress ×

SharePoint backup job

Status: Idle

Progress: 1 site backed up, 195 documents backed up

SharePoint backup 15 folders processed, 195 documents processed (48 newly backed up)

▶ Start ⓘ Show logs

Logs

🔄 Refresh

Date	Title	Description
15/07/2024 14:24:18	ⓘ Plugin was finished successfully	Plugin.M365Backup 1 site backed up, 195 documents backed up
15/07/2024 14:24:18	ⓘ Root url processing succeeded	https://2h2hx3.sharepoint.com/sites/CABackup2 Site: 'https://2h2hx3.sharepoint.com/sites/CABackup2'. Total items: 195. Items processed: 195. Failed items: 0. Skipped items: 0
15/07/2024 14:24:18	ⓘ Processing information	SharePoint processing finished

✎ Modify job × Close

Indexing job

The content indexing jobs:

- assign the default index zone(s) to the files, emails, Teams messages, and Teams chat messages of the selected entities
- use Elasticsearch as the back end server (a third-party index server) to manage and store indexes and perform searches



- crawl Backup Administration and send document text and metadata to the Elasticsearch server

Note: Document text is extracted from various document formats through IFilter components. The appropriate IFilter pack should be installed on the server where Backup Administration for Microsoft 365 is also installed. These filters are used to extract plain text content from binary formats such as .docx, .pdf, etc.

On the configuration page of the given job, you are required to specify the following settings:

✓ Name

Each backup indexing job requires a unique name to distinguish it from the other indexing jobs. It is recommended to give the job a name that clearly indicates for what purpose the indexing job was created for. By default, the automatically created indexing job is called “Backup indexing”.

A screenshot of a configuration field labeled "Name". The field contains the text "Backup indexing".

✓ Cluster nodes

Here, you can set the node, where the indexing job will run.

A screenshot of a configuration field labeled "Cluster nodes". The field is a dropdown menu with "Any available" selected. Below the dropdown, a list of options is visible, including "Any available" and "TEST-CD-03".

✓ Schedule

In this step, you must select the running times of the indexing job. You can either select a schedule from the list or create a new one by pressing the + button in the Schedule row. For indexing jobs, it is recommended to set up a schedule that will run continuously, or at certain times during the week. For more information about setting schedules, please refer to the section [Schedules](#) above.



Schedule

Every hour

Every 4 hours

Every hour

Just in time

Manual

New schedule

Repeat in every 5 minutes

✓ Index zone

The index zone that will be assigned to items by the indexing job is set here. Currently, only the default index zone is available from the dropdown menu; it is not possible to create a new index zone manually.

Index zone

Default index zone

Default index zone

✓ Entities to index

Set the entities that will be processed by the indexing job here.

There are two options to choose from: **+ Add organization** (in this case, all mailboxes, SharePoint or OneDrive sites, teams, or private chats will be processed) or **+ Add selected** options (where only the selected entities will be processed).



Entities to index

+ Add organization + Add selected

Type	Name	Tenant
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>	
OneDrive	All entities	SKE Backup 2!
SharePoint site	CA Backup 2!	SKE Backup 2!

If you choose **+ Add organization** and All mailboxes/SharePoint sites/etc., **all entities** will be listed in the Entities to index section.

Entities to index

+ Add organization + Add selected

- All mailboxes
- All teams
- All private chats
- All sharing

Type	Name	Tenant
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>	
OneDrive	All entities	SKE Backup 2!
SharePoint site	All entities	SKE Backup 2!

If you wish to index only the **selected entities**, click **+ Add selected** option first, then choose items from the dropdown menu. Upon selecting an option, a **repository of entities** will appear in a pop-up window. Check the desired ones, then click **Save**.

Entities to index

+ Add organization + Add selected

- Mailbox
- M365 group
- SharePoint site
- OneDrive
- Team
- Private chat

Type	Name	Tenant
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>	

Filtering settings



Select sharepoint site ✕

https://2h2hx3.sharepoint.com/sites/AnalysisTool-Shared	...	Analysis Tool-Shared	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/AT_Teamsite	...	AT_Team site	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup4	...	Backup 4	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup1	...	Backup1	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup2	...	Backup2	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup3	...	Backup3	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup5	...	Backup5	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/CABackup2	...	CA Backup 2!	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/CAEA_Backup	...	CAEA_Backup	SKE Backup 2!
https://2h2hx3.sharepoint.com	...	Communication site	SKE Backup 2!
<input type="radio"/> https://2h2hx3.sharepoint.com/sites/Recoveryanalysis	...	Recovery analysis	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/SampleTeamSite	...	Sample Team Site	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/SKEBackupDemo	...	SKE Backup Demo	SKE Backup 2!

1 of 2 << < 1 2 > >> 15 ▾

Save
Cancel

It is also possible to remove the chosen entities by selecting them from the list. In this case, a **Remove** option will appear in the Entities to index section, allowing you to remove them.

Entities to index

+ Add organization ▾
+ Add selected ▾
🗑️ Remove

	Type	Name	Tenant
<input checked="" type="checkbox"/>	SharePoint site	CAEA_Backup	SKE Backup 2!
<input type="checkbox"/>	SharePoint site	CA Backup 2!	SKE Backup 2!

Note: You can select multiple entities from different modules at once. For example, indexing can run on both mailboxes and teams simultaneously with the same indexing job.



✓ Filtering settings

Set the file types that should and shouldn't be processed here, or run the index job without any filters applied. File types can be added individually, but grouping functionality is also provided. The advanced filtering option allows you to select a group of file extensions at once instead of selecting each required file type individually. Currently, two extension groups are predefined and ready to use:

- **All text documents** – contains extensions like txt, log, config, rtf, zip, 7z, eml, json, mhtm, etc.
- **Office documents** – contains extensions like docx, pptx, xlsx, pdf, html, etc.

The index job can run in three modes

- **No filter** – the Process only the following file types textbox is hidden, and the indexing will process all items from the selected entities
- **Process only** – the index job will only process items matching the criteria set in the Process only the following file types textbox
- **Don't process** – the index job will exclude the items with the extensions specified in the Process only the following file types textbox

The screenshot shows a 'Filtering settings' window. At the top, it says 'Filtering settings'. Below that is a 'Mode' section with three buttons: 'No filter', 'Process only', and 'Don't process'. The 'Process only' button is currently selected and highlighted in blue. Underneath the mode buttons is a section titled 'Process only the following file types' which contains a text input field. The input field has 'pdf' typed in it, and there is a small 'x' icon to the right of the text. At the bottom right of this section is a 'Clear all' button.

The advanced filtering works in both **Process only** and **Don't process** modes. Simply click into the **Process only the following file types** textbox, and a pop-up window will appear with all the groups and individual extensions. In this window, multiple file types and groups can be selected at once. Extensions can be selected in three ways:

- using the search bar, you can search for individual extensions or groups



- you can scroll down the list
- you can manually add extensions to the Process only the following file types textbox

<input type="radio"/> Name	Description
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>
<input type="radio"/> All text documents	txt, log, config, rtf, zip, 7z, vcf, rar, msg, eml, ics, mhtm, mhtml, odt, csv, htm, html, docx, doc, pptx, ppt, sldx, xls, xlsx, pdf, xml, json
<input type="radio"/> Office documents	docx, doc, pptx, ppt, sldx, xls, xlsx, pdf, htm, html, csv, odt, msg, eml, mhtm, mhtml, rtf, zip, rar, 7z
<input type="radio"/> 3g2	
<input type="radio"/> 3gp	
<input type="radio"/> 3gp2	
<input type="radio"/> 3gpp	
<input type="radio"/> 7z	
<input type="radio"/> AAC	

✓ Notification settings

Here, select when you want to receive notification emails from the indexing job. You can choose to receive notifications always, never, or only if an error/warning occurs during the indexing. For example, if the indexing fails on one or more items, you will get a notification email about this error. In the **Recipient list** textbox, enter the email address(es) of the person/people to whom you would like to send these emails.

Notification settings

Send when

On errors
▼

Recipient list

Emma.Kent@2h2hx3.onmicrosoft.com

Separate email addresses using ';' character.



✓ Resource settings

Set the value, that will determine how many items will be processed simultaneously by the indexing job. The recommended value is 2.

Resources settings

Worker thread count

Never forget to save your job configurations at the end. Click the **Save** button at the bottom of the UI to be redirected to the **Jobs** page.

If you want to start the processing immediately, press the **Save and run** button. This action will start the indexing job, and you will be redirected to the **Job progress** page.



Job configuration ?

Name

Backup indexing 2

Cluster nodes

Any available

Schedule

Manual

Index zone

Default index zone

Entities to index

+ Add organization

+ Add selected

Type	Name	Tenant
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>	
SharePoint site	CA Backup 2!	SKE Backup 2!
OneDrive	Emma Kent	SKE Backup 2!

Filtering settings

Mode

No filter

Process only

Don't process

Process only the following file types

pdf

All text documents

Clear all

Notification settings

Send when

Never

Resources settings

Worker thread count

2

Save

Save and run

Cancel



In the **Job progress** window, you can check the progress bar, which shows the current state of the job (if it's running or done) and the progress of the index job.

Moreover, you can restart a finished job or stop the running one by clicking the **Start/Stop** button on the Job progress window, as well as check the last logs by clicking the **Show last logs** option.

This window also contains the session logs for the currently running job.

Additionally, it is also possible to modify the job from this page. Upon pressing the **Modify job** button, you will be redirected to the Job configuration page.

Job progress ×

Backup indexing

Status: Idle

Progress: 121 entities processed, 73 items processed

▶ Start
ⓘ Show logs

Logs

🔄 Refresh

Date	Title	Description
> 13/09/2024 10:16:41	ⓘ Entity indexing finished	Indexing of 'Clark Kent' in 'OneDrive backup' finished.
> 13/09/2024 10:16:41	ⓘ Plugin was finished successfully	Plugin.Index
> 13/09/2024 10:16:41	ⓘ Entity indexing finished	Indexing of 'SKEDemo user' in 'OneDrive backup' finished.
> 13/09/2024 10:16:41	ⓘ Entity indexing finished	Indexing of 'Megan Bowen' in 'OneDrive backup' finished.
> 13/09/2024 10:16:41	ⓘ Entity indexing finished	Indexing of 'Emma Kent' in 'OneDrive backup' finished.
> 13/09/2024 10:16:41	ⓘ Entity indexing finished	Indexing of 'Pradeep Gupta' in 'OneDrive backup' finished.
> 13/09/2024 10:16:41	ⓘ Entity indexing finished	Indexing of 'Pradeep Gupta' in 'OneDrive backup' finished.

✎ Modify job
× Close



Restore job

The **restore job** in Backup Administration for Microsoft 365 is used to regenerate a mailbox, SharePoint site, OneDrive, or team from the backup. This processing type is useful if:

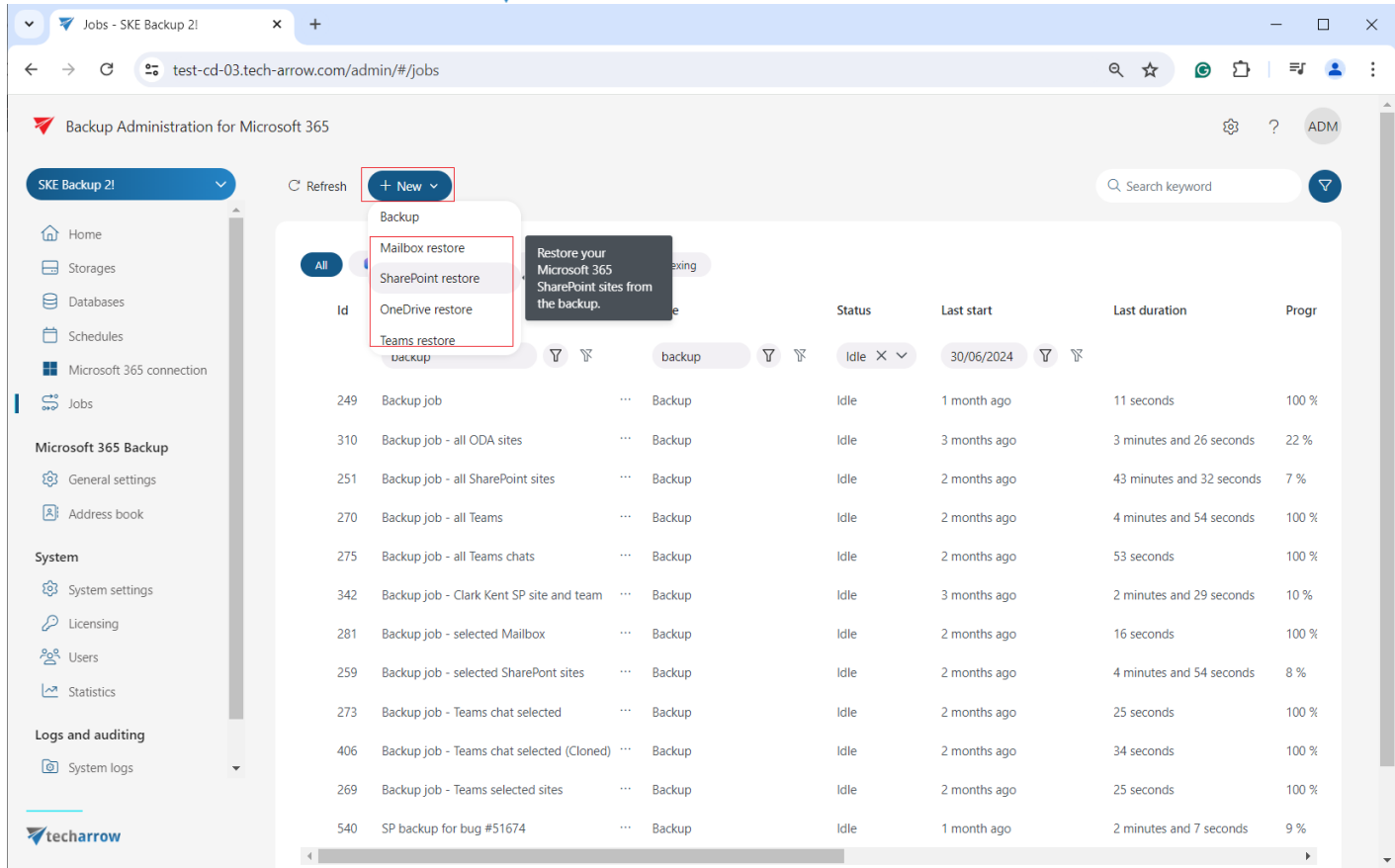
- an entire mailbox/site/OneDrive/team was deleted,
- one or more folders were deleted from the mailbox/SharePoint site/OneDrive/team,
- one or more items were deleted from the mailbox/SharePoint site/OneDrive /team,

and the user wants to restore these backed up items from the backup storage.

Important: Please note that the restore job is not accessible for private chat.

To create a restore job, navigate to the **Jobs** page on the left-side menu, click on **+ New**. In the dropdown menu, select the restore job for the model from which you want to restore the deleted items. Once you have selected the desired option, the **Job configuration** window will appear on the screen. The UI of the Job configuration page slightly changes based on what would you want recover.

The configuration of the different models will be described in detail in the following subsections.



Id	Name	Status	Last start	Last duration	Progress
249	Backup job	Idle	1 month ago	11 seconds	100 %
310	Backup job - all ODA sites	Idle	3 months ago	3 minutes and 26 seconds	22 %
251	Backup job - all SharePoint sites	Idle	2 months ago	43 minutes and 32 seconds	7 %
270	Backup job - all Teams	Idle	2 months ago	4 minutes and 54 seconds	100 %
275	Backup job - all Teams chats	Idle	2 months ago	53 seconds	100 %
342	Backup job - Clark Kent SP site and team	Idle	3 months ago	2 minutes and 29 seconds	10 %
281	Backup job - selected Mailbox	Idle	2 months ago	16 seconds	100 %
259	Backup job - selected SharePoint sites	Idle	2 months ago	4 minutes and 54 seconds	8 %
273	Backup job - Teams chat selected	Idle	2 months ago	25 seconds	100 %
406	Backup job - Teams chat selected (Cloned)	Idle	2 months ago	34 seconds	100 %
269	Backup job - Teams selected sites	Idle	2 months ago	25 seconds	100 %
540	SP backup for bug #51674	Idle	1 month ago	2 minutes and 7 seconds	9 %

Mailbox restore job

The function of the Mailbox restore job is to regenerate an Exchange mailbox from the backup. This processing type is useful in the following cases:

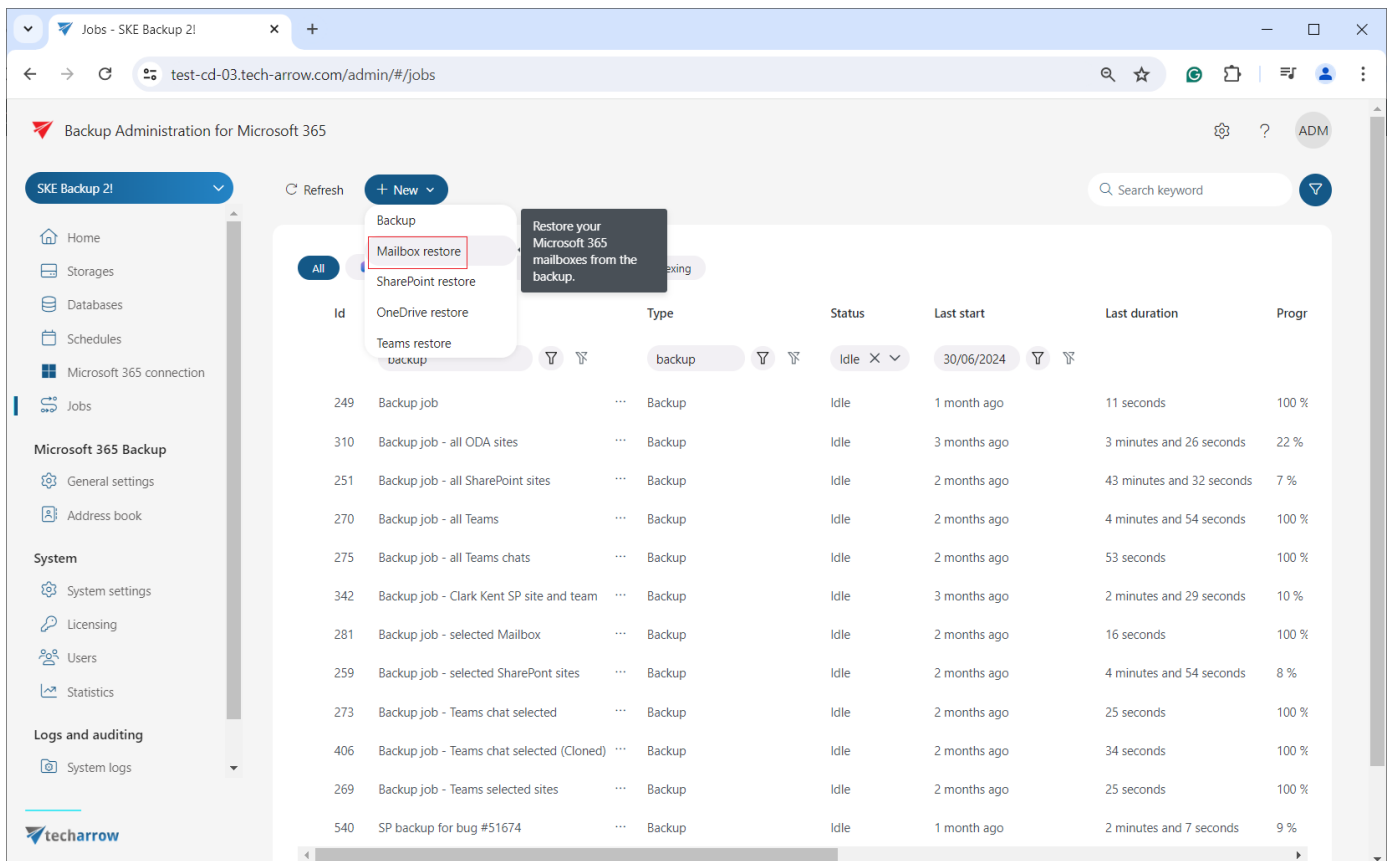
- the entire mailbox was deleted,
- one or more folders were deleted,
- one or more items were deleted,

and the user wants to recover these already backed up items from the backup storage.

The mailbox restore can reconstruct the mailbox from the backup system: the backed up items will be restored to the mailbox exactly in their original location. The mailbox restore will also create any folders that no longer exist in the selected mailbox. It is possible to recover any part of the mailbox:

- Entire mailbox
- One single folder
- Multiple folders
- Recursive, starting from a single folder
- Multiple recursive, starting from a single folder

To create a mailbox restore job, click the **+ New** button on the Jobs page. In the dropdown menu, select the mailbox restore job, and the **Job configuration** window will appear on the screen.



Id	Name	Type	Status	Last start	Last duration	Progr
249	Backup job	Backup	Idle	1 month ago	11 seconds	100 %
310	Backup job - all ODA sites	Backup	Idle	3 months ago	3 minutes and 26 seconds	22 %
251	Backup job - all SharePoint sites	Backup	Idle	2 months ago	43 minutes and 32 seconds	7 %
270	Backup job - all Teams	Backup	Idle	2 months ago	4 minutes and 54 seconds	100 %
275	Backup job - all Teams chats	Backup	Idle	2 months ago	53 seconds	100 %
342	Backup job - Clark Kent SP site and team	Backup	Idle	3 months ago	2 minutes and 29 seconds	10 %
281	Backup job - selected Mailbox	Backup	Idle	2 months ago	16 seconds	100 %
259	Backup job - selected SharePoint sites	Backup	Idle	2 months ago	4 minutes and 54 seconds	8 %
273	Backup job - Teams chat selected	Backup	Idle	2 months ago	25 seconds	100 %
406	Backup job - Teams chat selected (Cloned)	Backup	Idle	2 months ago	34 seconds	100 %
269	Backup job - Teams selected sites	Backup	Idle	2 months ago	25 seconds	100 %
540	SP backup for bug #51674	Backup	Idle	1 month ago	2 minutes and 7 seconds	9 %

On the job's configuration page, the user is required to configure the following settings:

✓ Name

Each restore job requires a unique name to distinguish it from other restore jobs. By default, the system assigns a name to the new restore job, but the user can change this name.



Name

Mailbox restore job

✓ Cluster nodes

Set the node where the restore job will run.

Cluster nodes

Any available

Any available

TEST-CD-03

✓ Schedule

Here, select the running times of the restore job. You can either select a schedule from the list or create a new one by pressing the **+** button in the Schedule row. For restore jobs, it is recommended to set a **One time** schedule or to start the job manually. For more information about setting schedules, refer to the section [Schedules](#) above.

Schedule

Select schedule

Every 4 hours

Every hour

Just in time

Manual

New schedule

Repeat in every 5 minutes

Restore job for TEA... schedule

✓ Processing settings

In this section, the user configures what will be restored and how it will be restored:

What to restore

- **Last known version** – the job will restore the latest version of the item from the backup



- **Version at specific date** – restores the version that was valid at a specific time, meaning the version with modification date older or equal to the specific date

Processing settings

What to restore

Latest known version

Latest known version

Version at specific date

Address book objects to restore

Here you can select the mailboxes, [Microsoft 365 groups](#) (the restore job processes both the mailbox group and members), mailbox groups (processing only members – mailboxes), or the entire organization to be processed by the restore job. Click the **+ Add** button, check the groups or mailboxes in the Select mailbox/mailbox group window, then click **OK**.

Address book objects to restore

+ Add ▾

- Organization
- Mailbox
- Mailbox group
- M365 group

	Name ↑	Email address
	Enter filter text	Enter filter text
	Vanessa Kent	Vanessa.Kent@2h2hx3.onmicrosoft.com



Select mailbox
✕

<input type="radio"/> Display name ↑	Email	Storage
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>	<input style="border: 1px solid #ccc;" type="text" value="Any"/>
<input type="radio"/> Alex Wilber	... AlexW@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Clark Kent	... Clark.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Diego Siciliani	... DiegoS@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input checked="" type="radio"/> Emma Kent	... Emma.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Isaiah Langer	... IsaiahL@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Lee Gu	... LeeG@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Miriam Graham	... MiriamG@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Nestor Wilke	... NestorW@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Patti Fernandez	... PattiF@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> SKEDemo user	... SKEDemouser@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Szilvia Kelemen	... SKE_admin@2h2hx3.onmicrosoft.com	SKE Backup 2!
<input type="radio"/> Vanessa Kent	... Vanessa.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!

Include folders

The restore job can restore any folders of the mailbox, such as the entire mailbox, one single folder, multiple folders, recursive folder structures, etc. Before entering the folder name(s) to be crawled, it is necessary to select the folder filtering mode. The folder options will automatically be offered upon clicking into the **Folders** section.



Include folders

Folder filtering mode

One single folder ▼

Folder

Required

%INBOX%

%OUTBOX%

%DELETEDITEMS%

%SENTITEMS%

%CALENDAR%

%CONTACTS%

%TASKS%

%JOURNAL%

%NOTES%

%DRAFTS%

✓ Filtering settings

Click the **Change filter** button and set the filtering according to your needs and/or regulations. For more information on working with filtering settings, refer to the relevant [section](#) section of our documentation.

Filtering settings

Sender starts with **Emma** AND Subject contains **test**

✎ Change filter

✓ Notification settings

Here, you can select the cases when you will need to get notification emails from the Restore job. You can choose to receive notifications always, never, or only if an error/warning occurred during the restore process. For example, if the restore of one or more items fails, you may get a notification email about this error. In the **Recipient list** textbox, insert the email address(es) of the person/people, to whom you would like to send these emails.

Notification settings

Send when

On errors ▼

Recipient list

Emma.Kent@2h2hx3.onmicrosoft.com

Separate email addresses using ',' character.



✓ Resource settings

Set the value, that will determine how many items will be processed simultaneously by the restore job. The recommended value is 2.

Resources settings

Worker thread count

Remember to save your job configurations at the end by clicking the **Save** button at the bottom of the UI. You will be redirected to the Jobs page.

If you want to start the processing immediately, press the **Save and run** button. This action will start the restore job, and you will be redirected to the Job progress page.



Job configuration ?

Name
Mailbox restore job

Cluster nodes
Any available

Schedule
Manual

Processing settings

What to restore
Latest known version

Address book objects to restore

+ Add Remove

Type	Name ↑	Email address
Any	Enter filter text	Enter filter text
<input checked="" type="checkbox"/>	Emma Kent	Emma.Kent@2h2hx3.onmicrosoft.com

Include folders

Folder filtering mode
One single folder

Folder
%INBOX%

Filtering settings
Sender starts with Emma AND Subject contains test

Change filter

Notification settings

Send when
Never

Resources settings

Worker thread count
2

Save Save and run Cancel

In the **Job progress window**, you can check the progress bar, which shows the current state of the job (if it's running or done) and the progress of the restore.



Moreover, you can restart a finished job or stop a running one by clicking the Start/Stop button on the Job progress window, as well as check the last logs by clicking the Show last logs option. This window also contains the **session logs** for the currently running job.

Additionally, it is also possible to modify the job from this page. Upon pressing the **Modify job** button, you will be redirected to the Job configuration page.

Job progress
×

Mailbox restore job

Status: Idle

Progress: 1 mailboxes restored 6 emails restored (192 existing mails)

▶ Start
 ⓘ Show logs

Logs

↻ Refresh

	Date	Title	Description
>	15/07/2024 17:41:57	ⓘ Plugin was finished successfully	Plugin.M365Backup.MailboxRestore
>	15/07/2024 17:41:56	ⓘ Mailbox processing succeeded	Mailbox restore finished for Emma Kent.
>	15/07/2024 17:41:56	ⓘ Mailbox processing information	Mailbox restore process has finished
>	15/07/2024 17:41:47	ⓘ Mailbox processing information	Mailbox restore was started. Number of mailboxes: 1.
>	15/07/2024 17:41:47	ⓘ Processing was started	Plugin.M365Backup.MailboxRestore

✎ Modify job
 × Close

SharePoint restore job

The SharePoint restore is used to restore previously backed up SharePoint items that have been deleted from their original SharePoint location. All items that can be backed up by Backup Administration are also restorable. The restore job can restore subsites, libraries, and folders, so there is no need to create them manually for the restore job to work.



To create a SharePoint restore job, create a SharePoint restore job instance first on the Jobs page, then configure it:

✓ Name

Each restore job requires a unique name to distinguish it from other restore jobs. By default, the system assigns a name to the new restore job, but the user can change this name.

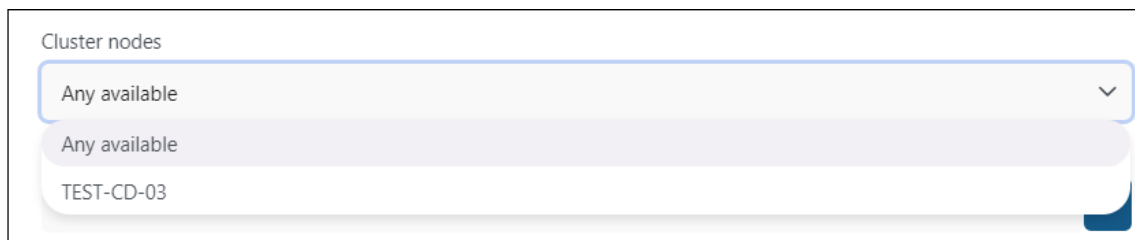


Name

SharePoint restore job

✓ Cluster nodes

Set the node where the restore job will run.



Cluster nodes

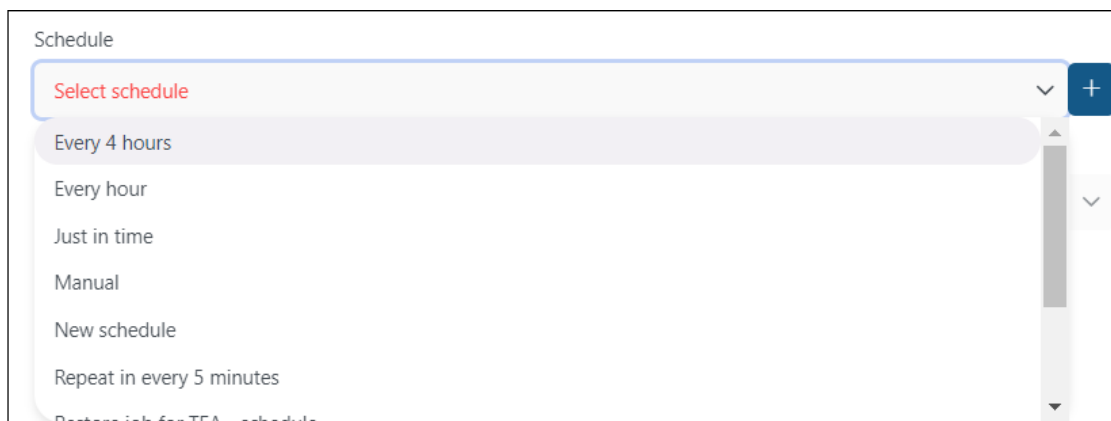
Any available

Any available

TEST-CD-03

✓ Schedule

Here, select the running times of the restore job. You can either select a schedule from the list or create a new one by pressing the + button in the Schedule row. For restore jobs, it is recommended to set a **One time** schedule or to start the job manually. For more information about setting schedules, refer to the section [Schedules](#) above.



Schedule

Select schedule

Every 4 hours

Every hour

Just in time

Manual

New schedule

Repeat in every 5 minutes



✓ Processing settings

In this section, the user configures what will be restored and how it will be restored:

Overwrite existing file

When to overwrite the item if it already exists in the target location. The restore follow the logic depending on the settings:

- **Never** – if the item exists, it will not be processed
- **Always** – always overwrite existing items with the backed up version
- **If older/newer than the archived version** – the item will be processed only if its latest version in SharePoint is older/newer than the backed up one

Processing settings

Overwrite existing files

Always

Never

If older than backup version

If newer than backup version

Always

Version at specific date

Set the modification date of recovered items to

- **Original** – the modification date of the backed up item will be set on the restored file
- **Recovery date** – the date when the restore job is running will be set on the restored file

Set the modification date of restored items to

Restore date

Original

Restore date

What to recover



- **All versions** – restore the full version history of items or the missing versions if the items exist
- **Last known version** – restore the latest backed up version of the item if it doesn't exist in SharePoint
- **Specific date** – restore the version from the specified (modification) date or before of the item if it does not exist in the SharePoint

Address book objects to restore

Here you can select the SharePoint sites or the entire organization to be processed by the restore job. Click the **+ Add** button, check the groups or mailboxes in the Select mailbox/mailbox group window, then click **OK**.

	Name ↑	Url
Organization		
SharePoint site		
Any	CA Backup 2!	https://2h2hx3.sharepoint.com/sites/CABackup2



Select site ✕

<input checked="" type="checkbox"/> Uri	Display name ↑	Storage
<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>	<input type="text" value="Any"/>
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/AnalysisTool	Analysis Tool	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/AnalysisTool-Private	Analysis Tool - Private	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/AnalysisTool-Shared	Analysis Tool-Shared	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/AT_Teamsite	AT_Team site	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/Backup4	Backup 4	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/Backup1	Backup1	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/Backup2	Backup2	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/Backup3	Backup3	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/Backup5	Backup5	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/CABackup2	CA Backup 2!	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com/sites/CAEA_Backup	CAEA_Backup	SKE Backup 2!
<input checked="" type="checkbox"/> https://2h2hx3.sharepoint.com	Communication site	SKE Backup 2!

✓ Filtering settings

Click the **Change filter** button and set the filtering according to your needs and/or regulations. For more information on working with filtering settings, refer to the relevant [section](#) of our documentation.

Filtering settings

All text **contains test** OR Creation date **older than 2024-02-14** OR Extension **contains jpg**

✓ Notification settings

Here, you can select the cases when you will need to get notification emails from the Restore job. You can choose to receive notifications always, never, or only if an error/warning occurred during the restore process. For example, if the restore of one or more items fails, you may get a notification email about this error. In the **Recipient list** textbox, insert the email address(es) of the person/people, to whom you would like to send these emails.



Notification settings

Send when

On errors ▼

Recipient list

Emma.Kent@2h2hx3.onmicrosoft.com

Separate email addresses using ',' character.

✓ Resource settings

Set the value, that will determine how many items will be processed simultaneously by the restore job. The recommended value is 2.

Resources settings

Worker thread count

2 ▲▼

Remember to save your job configurations at the end by clicking the **Save** button at the bottom of the UI. You will be redirected to the Jobs page.

If you want to start the processing immediately, press the **Save and run** button. This action will start the restore job, and you will be redirected to the Job progress page.



Job configuration ? ×

Name

Cluster nodes

Schedule
 +

Processing settings

Overwrite existing files

Set the modification date of restored items to

What to restore

Address book objects to restore

+ Add

Type	Name ↑	Url
<input type="text" value="Any"/>	<input type="text" value="Enter filter text"/>	<input type="text" value="Enter filter text"/>
5	CA Backup 2!	https://2h2hx3.sharepoint.com/sites/CABackup2

Filtering settings

Change filter

Notification settings

Send when

Resources settings

Worker thread count

Save
Save and run
Cancel

In the **Job progress window**, you can check the progress bar, which shows the current state of the job (if it's running or done) and the progress of the restore.



Moreover, you can restart a finished job or stop a running one by clicking the Start/Stop button on the Job progress window, as well as check the last logs by clicking the Show last logs option.

This window also contains the **session logs** for the currently running job.

Additionally, it is also possible to modify the job from this page. Upon pressing the **Modify job** button, you will be redirected to the Job configuration page.

Job progress
×

SharePoint restore job

Status: Idle

Progress: 12 folders scanned 73 items processed (194 skipped, 3 items recovered, 19 versions recovered)

▶ Start
ⓘ Show logs

Logs

🔄 Refresh

	Date	Title	Description
>	15/07/2024 19:14:01	ⓘ Processing information	SharePoint recovery processing was started. Number of sites: 1.
>	15/07/2024 19:14:01	ⓘ Processing was started	Plugin.M365Backup.SharePointRestore

✎ Modify job
× Close

OneDrive restore job

The OneDrive restore is used to restore already backed up OneDrive items that have been deleted from their original OneDrive location. All items that can be backed up by Backup Administration are also restorable.

To create a OneDrive restore job, create a OneDrive restore job instance first on the Jobs page. Further, configure the job as follows.



✓ Name

Each restore job requires a unique name to distinguish it from other restore jobs. By default, the system assigns a name to the new restore job, but the user can change this name.

✓ Cluster nodes

Set the node where the restore job will run.

✓ Schedule

Here, select the running times of the restore job. You can either select a schedule from the list or create a new one by pressing the **+** button in the Schedule row. For restore jobs, it is recommended to set a **One time** schedule or to start the job manually. For more information about setting schedules, refer to the section [Schedules](#) above.

✓ Processing settings

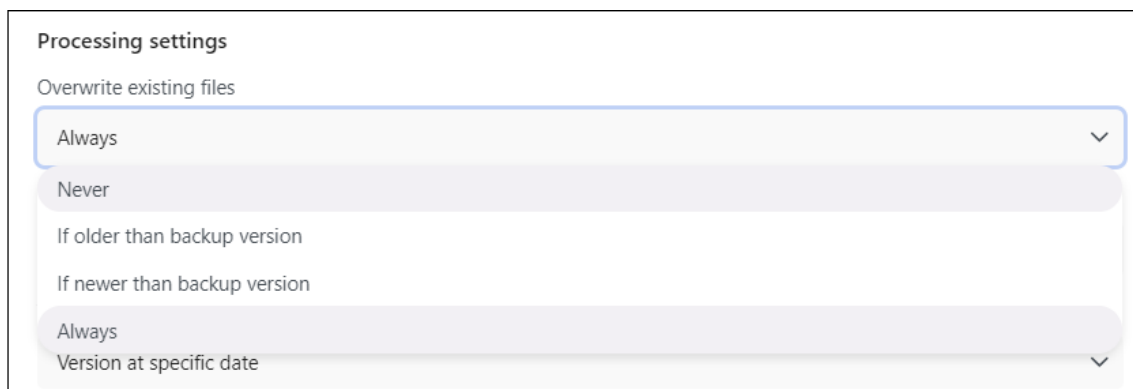
In this section, the user configures what will be restored and how it will be restored:



Overwrite existing file

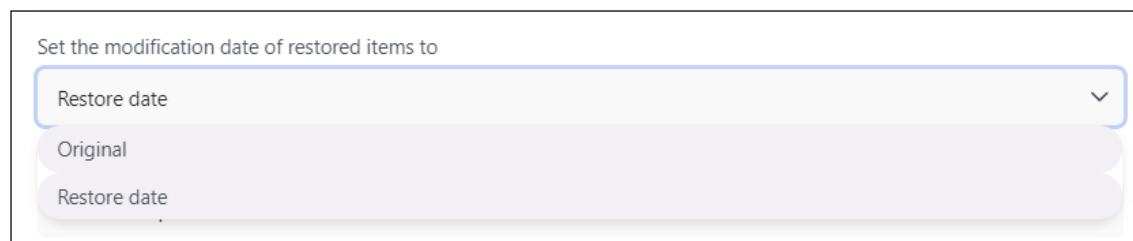
When to overwrite the item if it already exists in the target location. The restore follow the logic depending on the settings:

- **Never** – if the item exists, it will not be processed
- **Always** – always overwrite existing items with the backed up version
- **If older/newer than the archived version** – the item will be processed only if its latest version in OneDrive is older/newer than the backed up one



Set the modification date of recovered items to

- **Original** – the modification date of the backed up item will be set on the restored file
- **Recovery date** – the date when the restore job is running will be set on the restored file

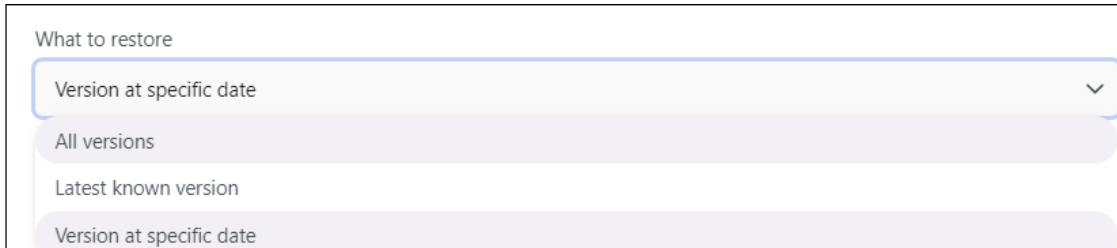


What to recover

- **All versions** – restore the full version history of items or the missing versions if the items exist

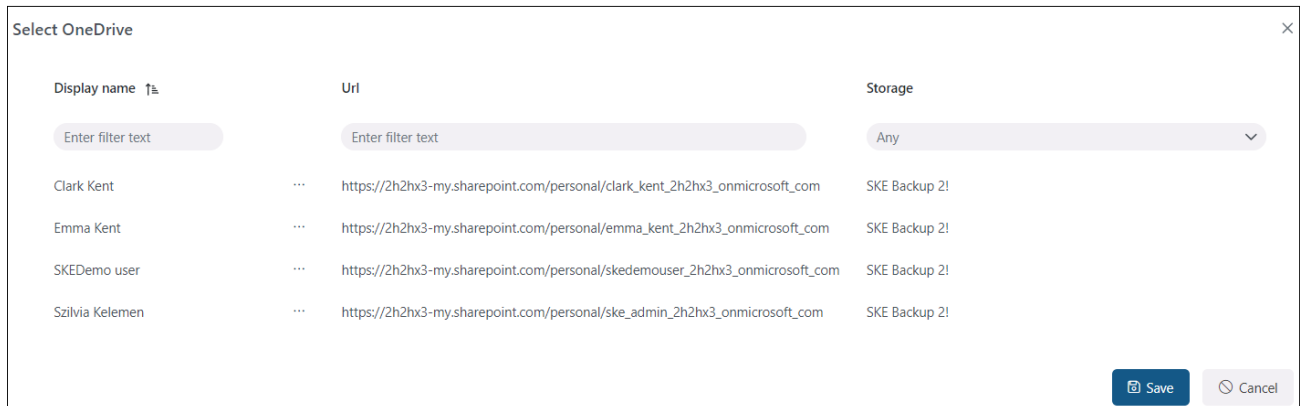
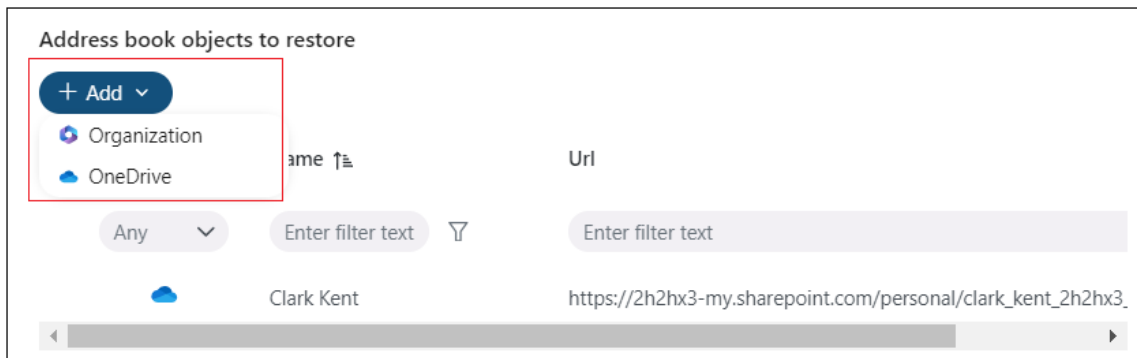


- **Last known version** – restore the latest backed up version of the item if it doesn't exist in OneDrive
- **Specific date** – restore the version from the specified (modification) date or before of the item if it does not exist in the OneDrive



Address book objects to restore

Select the OneDrive or the entire organization to be processed by the restore job. Click the **+** **Add** button, check the OneDrive sites in the Select OneDrive window, then click **Save**.






✓ Filtering settings

Click the **Change filter** button and set the filtering according to your needs and/or regulations. For more information on working with filtering settings, refer to the relevant [section](#) of our documentation.

Filtering settings

Size > **1 MB** AND File name **CS starts with Atlantic** AND Is file = **yes** AND Modification date **has value yes**



✓ Notification settings

Here, you can select the cases when you will need to get notification emails from the Restore job. You can choose to receive notifications always, never, or only if an error/warning occurred during the restore process. For example, if the restore of one or more items fails, you may get a notification email about this error. In the **Recipient list** textbox, insert the email address(es) of the person/people, to whom you would like to send these emails.

Notification settings

Send when

On errors ▼

Recipient list

Emma.Kent@2h2hx3.onmicrosoft.com

Separate email addresses using ';' character.

✓ Resource settings

Set the value, that will determine how many items will be processed simultaneously by the restore job. The recommended value is 2.

Resources settings

Worker thread count

2 ▲▼



Remember to save your job configurations at the end by clicking the **Save** button at the bottom of the UI. You will be redirected to the Jobs page.

If you want to start the processing immediately, press the **Save and run** button. This action will start the restore job, and you will be redirected to the Job progress page.



Job configuration ?

Name
OneDrive restore job

Cluster nodes
Any available

Schedule
Manual

Processing settings

Overwrite existing files
Never

Set the modification date of restored items to
Restore date

What to restore
Latest known version

Address book objects to restore

+ Add

Type	Name ↑	Url
Any	Enter filter text	Enter filter text
	Clark Kent	https://2h2hx3-my.sharepoint.com/personal/clark_kent_2h2hx3...

Filtering settings
Size > 1 MB AND File name CS starts with Atlantic AND Is file = yes AND Modification date has value yes

Change filter

Notification settings

Send when
Never

Resources settings

Worker thread count
4

Save Save and run Cancel



In the **Job progress window**, you can check the progress bar, which shows the current state of the job (if it's running or done) and the progress of the restore.

Moreover, you can restart a finished job or stop a running one by clicking the Start/Stop button on the Job progress window, as well as check the last logs by clicking the Show last logs option.

This window also contains the **session logs** for the currently running job.

Additionally, it is also possible to modify the job from this page. Upon pressing the **Modify job** button, you will be redirected to the Job configuration page.

Job progress ×

OneDrive restore job

Status: Idle

Progress: 3 folders scanned 17 items processed (17 skipped)

▶ Start
ⓘ Show logs

Logs

↻ Refresh

Date	Title	Description
> 16/07/2024 8:03:25	🕒 Plugin was finished successfully	Plugin.M365Backup.OneDriveRestore
> 16/07/2024 8:03:25	🕒 Root url processing succeeded	Plugin.M365Backup.OneDriveRestore
> 16/07/2024 8:03:25	🕒 Processing information	SharePoint recovery finished
> 16/07/2024 8:03:13	🕒 Processing information	SharePoint recovery processing was started. Number of sites: 1.
> 16/07/2024 8:03:13	🕒 Processing was started	Plugin.M365Backup.OneDriveRestore

✎ Modify job
✕ Close



Teams restore job

The teams restore job in Backup Administration is used to restore deleted or clone existing teams in MS Teams. This process can restore various components of the team, including:

- Team name and team configuration
- Membership information
- Channels
- Tab configurations
- Messages and shared files
- SharePoint data linked to the Team

The restore job can reconstruct the entire team structure: messages and items that have already been backed up will be restored to their source location, the structure of the channels will be created in the restored team, and the SharePoint data related to the selected team will also be restored.

To create a recovery job, navigate to the **Jobs** page, and click the **+ New** button. In the dropdown menu, select the Teams restore job. The **Job configuration** window will appear on the screen.

On the job's configuration page set the following:

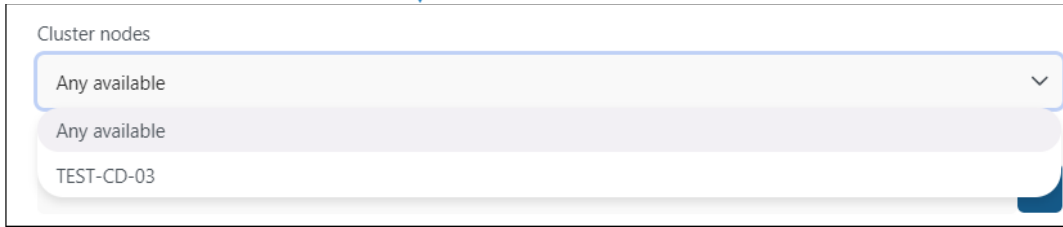
✓ Name

Each restore job requires a unique name to distinguish it from other restore jobs. By default, the system assigns a name to the new restore job, but the user can change this name.

A screenshot of a web form field. The field is labeled "Name" and contains the text "Teams restore job". The field is a simple rectangular box with a light gray background and a thin black border.

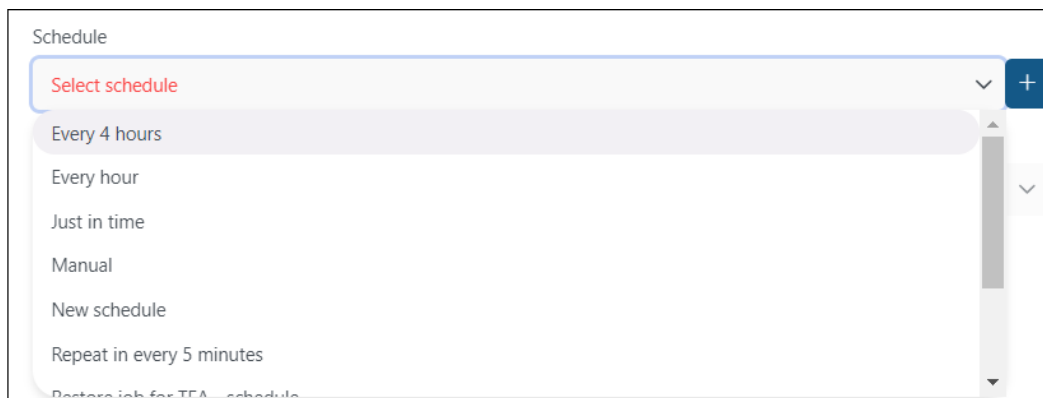
✓ Cluster nodes

Set the node where the restore job will run.



✓ Schedule

Here, select the running times of the restore job. You can either select a schedule from the list or create a new one by pressing the **+** button in the Schedule row. For restore jobs, it is recommended to set a **One time** schedule or to start the job manually. For more information about setting schedules, refer to the section [Schedules](#) above.



✓ Processing settings

In this section, the user configures what will be restored and how it will be restored:

Recover – what will be recovered

- **Everything** – the restore job will create the backed up team structure and restore the messages and files/items from the database
- **Structure and files only** – restores the backed up team structure and the files and items (uploaded and SharePoint files) including contents of tabs (Wiki, Tasks, Calendars), but doesn't restore messages!



Processing settings

Restore

Everything ▼

Everything

Structure and files only

What to restore

- **Last known version** – the job will restore the latest version of the item/message
- **Specific date** – restores the version that was valid at the specified time (modification date older or equal to the specified date)

What to restore

Latest known version ▼

Latest known version

Version at specific date

Additional team owner

The restore job restores users as they were in the original team (the owners will be restored as owners, and the members will be restored as members). You can also add an additional team owner to the team. These users will be added automatically to the restored team. Just type in the email address or the first name, press Enter, and the selected user will be added to the restore job. **Limitation:** users who are already members of the team can't be restored as owners; this change must be done manually in the team.

Additional team owner

emma

Emma Kent (Emma.Kent@2h2hx3.onmicrosoft.com)

✓ Address book objects to restore

Here you can select teams or the entire organization to be processed by the restore job. Click on the **+ Add** button, check the teams in the Select team window, then click **Save**.



Address book objects to restore

+ Add ▾

Organization
Team

Name ↑

SharePoint site

Any ▾ Enter filter text ▾ Enter filter text ▾

Backup team

Select Team

Display name	SharePoint site	Storage
team	Enter filter text	Any ▾
<input type="radio"/> AT_team	... https://2h2hx3.sharepoint.com/sites/AT_team	SKE Backup 2!
<input type="radio"/> Backup team	... https://2h2hx3.sharepoint.com/sites/Backupteam	SKE Backup 2!
<input type="radio"/> Backup team	... https://2h2hx3.sharepoint.com/sites/Backupteam272	SKE Backup 2!
<input checked="" type="radio"/> Backup team	... https://2h2hx3.sharepoint.com/sites/Backupteam77	SKE Backup 2!
<input type="radio"/> Backup team	... https://2h2hx3.sharepoint.com/sites/Backupteam556	SKE Backup 2!
<input type="radio"/> Backup team	... https://2h2hx3.sharepoint.com/sites/Backupteam2	SKE Backup 2!
<input type="radio"/> Backup team	... https://2h2hx3.sharepoint.com/sites/Backupteam499	SKE Backup 2!
<input type="radio"/> Backup team for invited user	... https://2h2hx3.sharepoint.com/sites/Backupteamforinviteduser	SKE Backup 2!
<input type="radio"/> Mark 8 Project Team	... https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam686	SKE Backup 2!
<input type="radio"/> Mark 8 Project Team	... https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam77	SKE Backup 2!
<input type="radio"/> Mark 8 Project Team	... https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam9	SKE Backup 2!
<input type="radio"/> Mark 8 Project Team	... https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam800	SKE Backup 2!

Save Cancel

✓ Notification settings

Here, you can select the cases when you will need to get notification emails from the Restore job. You can choose to receive notifications always, never, or only if an error/warning occurred during the restore process. For example, if the restore of one or more items fails, you may get a notification email about this error. In the **Recipient list** textbox, insert the email address(es) of the person/people, to whom you would like to send these emails.



Notification settings

Send when

On errors ▼

Recipient list

Emma.Kent@2h2hx3.onmicrosoft.com

Separate email addresses using ',' character.

✓ Resource settings

Set the value, that will determine how many items will be processed simultaneously by the restore job. The recommended value is 2.

Resources settings

Worker thread count

2 ▲▼

Remember to save your job configurations at the end by clicking the **Save** button at the bottom of the UI. You will be redirected to the Jobs page.

If you want to start the processing immediately, press the **Save and run** button. This action will start the restore job, and you will be redirected to the Job progress page.



Job configuration ?

Name
Teams restore job

Cluster nodes
Any available

Schedule
Restore job for TEA - schedule

Processing settings

Restore
Everything

What to restore
Latest known version

Additional team owner
Emma Kent

Address book objects to restore

+ Add

Type	Name ↑	SharePoint site
Any	Enter filter text	Enter filter text
	Analysis Tool	https://2h2hx3.sharepoint.com/sites/AnalysisTool

Notification settings

Send when
Never

Resources settings

Worker thread count
2

Save Save and run Cancel

In the **Job progress window**, you can check the progress bar, which shows the current state of the job (if it's running or done) and the progress of the restore.



Moreover, you can restart a finished job or stop a running one by clicking the Start/Stop button on the Job progress window, as well as check the last logs by clicking the Show last logs option.

This window also contains the **session logs** for the currently running job.

Additionally, it is also possible to modify the job from this page. Upon pressing the **Modify job** button, you will be redirected to the Job configuration page.

Job progress

Teams restore job

Status: Idle

Progress: 1 team scanned 3 folders scanned 19 files processed (19 recovered, 20 messages recovered)

▶ Start ⓘ Show logs

Logs

🔄 Refresh

Date	Title	Description
> 16/07/2024 8:16:58	ⓘ Team created	New team was created for recovery
> 16/07/2024 8:16:34	ⓘ Processing information	Teams recovery processing was started. Number of teams: 1.
> 16/07/2024 8:16:33	ⓘ Processing was started	Plugin.M365Backup.TeamsRestore

✎ Modify job × Close

Filtering in jobs

In Backup Administration, the filtering settings feature allows users to refine and filter among items based on various conditions. This functionality is only available in restore jobs, and not applicable to backup jobs.

Important: Please note that every model has its own filtering settings and filter categories.

Mailbox restore job:



- All text – Body, Recipients, Sender, Subject, Attachment filenames and content
- BCC
- Body – content of the email
- Category –
- CC
- End date – the end date of the calendar item(s) or task(s)
- Folder path – folder path of the parent folder, where the item is located
- Has attachment – Yes/No
- Importance
- Is from In-Place Archive – this option is present only if there is at least one In-Place Archive in the Address book
- Is recurring
- Message class
- Received date
- Recipients
- Sender
- Sensitivity
- Sent date
- Size – the size of the item
- Start date – the start date of the meeting(s), task(s), and other calendar item(s)
- Subject
- Task completed – whether the task is completed or not (Yes/No)
- Task completed date



- Task due date
- To

SharePoint and OneDrive restore jobs:

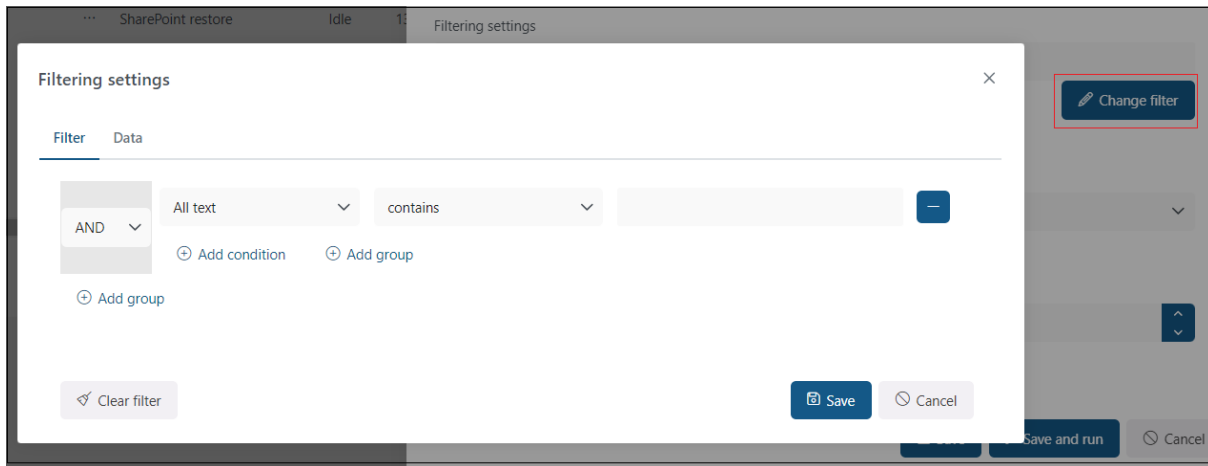
- All text – file content and also metadata
- Creation date – the creation date of the file
- Extension – important to specify also with the dot, like: **.jpg, .docx, .pdf**
- File name
- Is file – Yes/No
- Modification date – the modification date of the file
- Path – folder/list path, where the item is located
- Size – the size of the item
- URL – the path to the file

To **specify a filter**, click the **Change filter** button in the Job configuration window. The **Filtering settings** pop-up window will open, where you can set filtering options in a user-friendly way (filter tab) or in a more technical way (data tab). It doesn't matter which tab you work with – if you change something on one, it will be changed on the other too. In this section, we will explain how to set filtering by working with the **filter** tab.

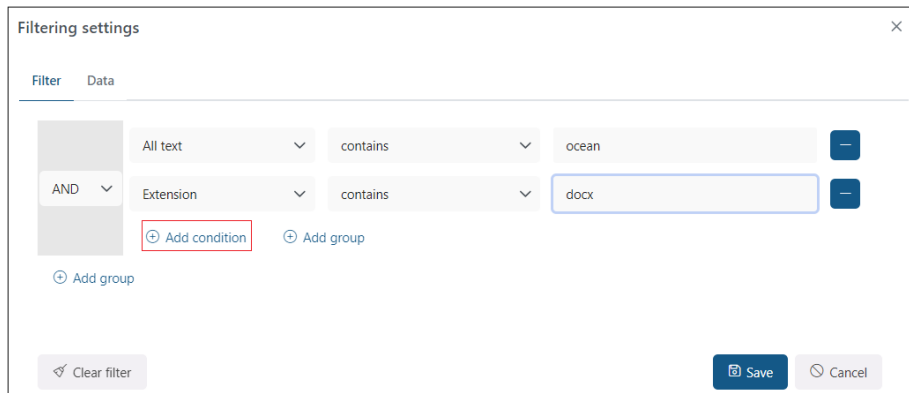
By default, the 'AND All text (contains) ' condition is displayed in the Filtering settings window. You can change this easily by picking a **type** from the first dropdown list (one of the conditions



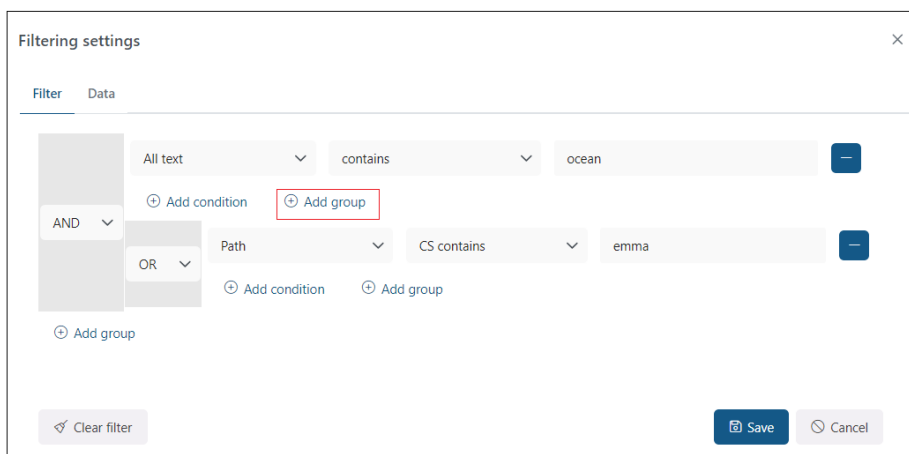
mentioned above), then an **operator** from the second, and specifying the **value** in the third box.



To add a new filtering condition, click the **+ add condition** button.



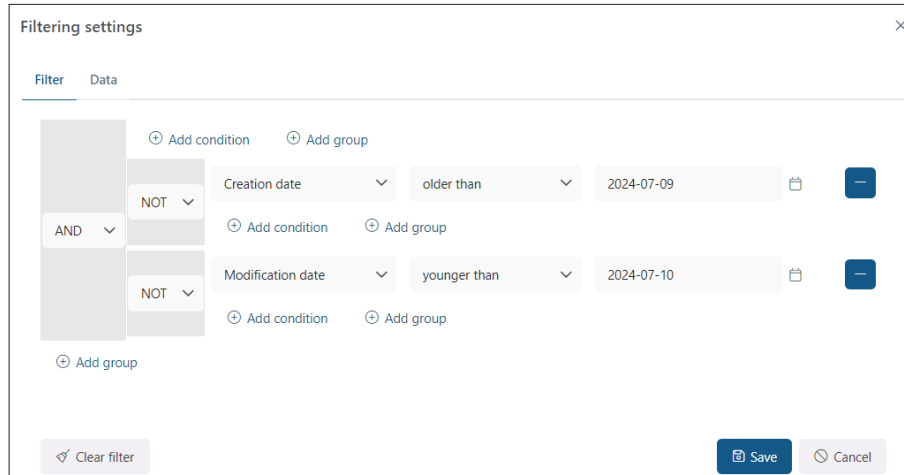
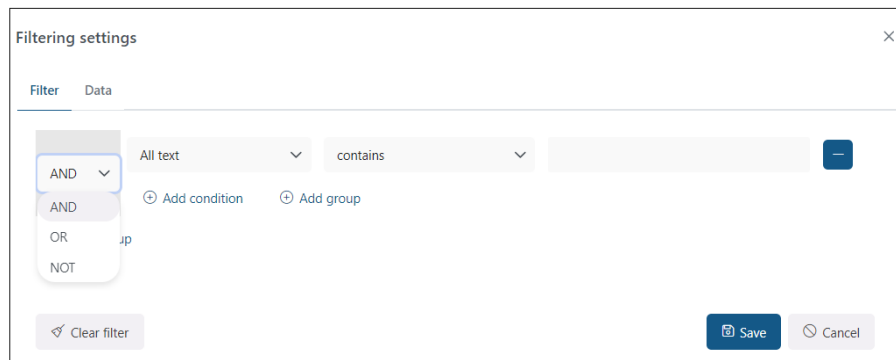
Filtering conditions can also be merged into **groups**. To add a new group, click the **+ add group** button.





There are **3 different operators** that can be set for a group by clicking on the arrow in the operator dropdown list:

- **AND** – by using this operator, items meeting all set conditions will be processed
- **OR** – if you use this operator, items that meet one OR another condition will be processed
- **NOT** – by using this operator, items meeting the conditions will be excluded from processing. If you want to add more than one NOT condition, they have to be added as shown on screenshot below.



Filtering conditions and groups can be removed by clicking the – icon.



The set filtering settings can be saved by clicking the **Save** button, or you can easily remove them by pressing the **Clear filter** button in the pop-up window.

Microsoft 365 Backup

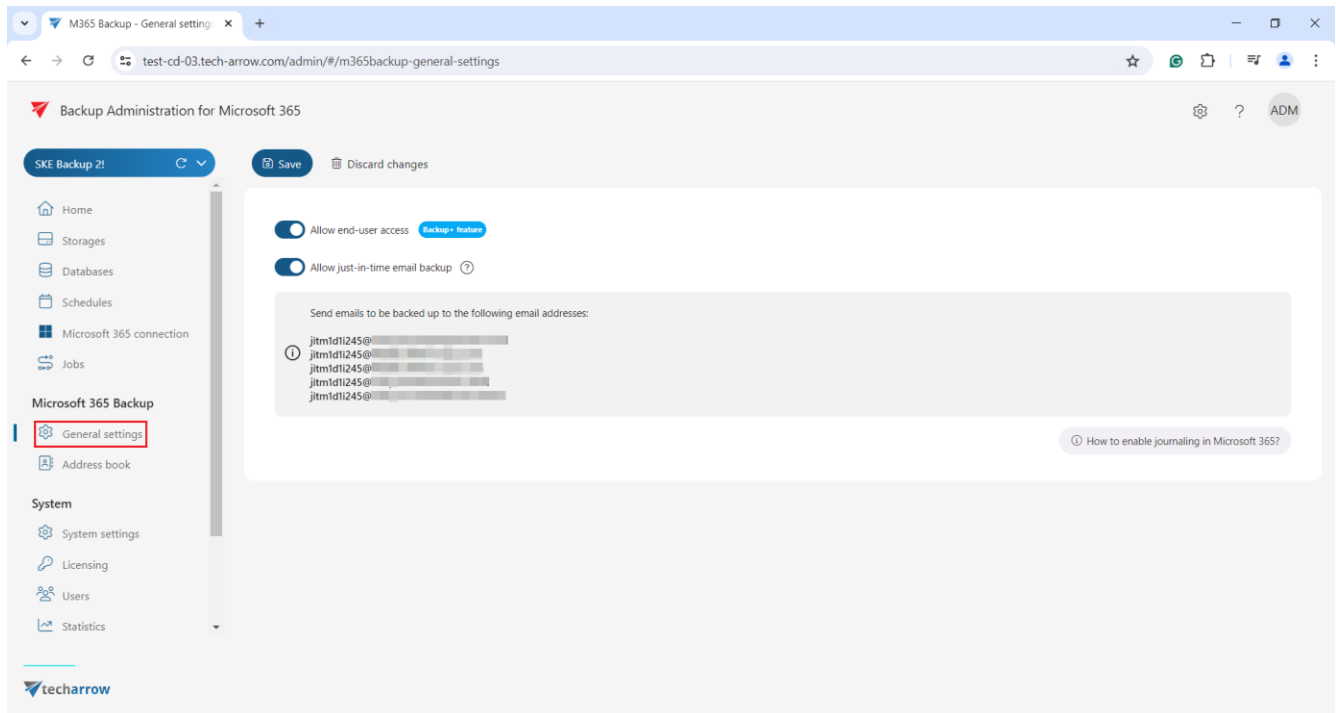
The **Microsoft 365 connection** section includes the **General settings** and **Address book** features. These features allow the user to enable end-user access or allow just-in-time backup on the General settings page. The Address book contains the list of read-only objects processed during the backup job run(s). Each tab and feature will be described in detail in the following subsections.

General settings

In the **General settings** tab, you can enable the following two options:



1. **Allow end-user access** – By enabling this option on the General settings page, the user access with the **Standard user** role can be explicitly created. This is a **Backup+ feature** tied to a license and can be configured at the tenant level. If the Backup+ is enabled on the license, the Administrator can turn on or off the “Allow end-user access” option. Users will see all backed up entities in [contentACCESS Portal](#), which is the user interface for contentACCESS Administration. If this checkbox is disabled, the roles will be removed from the users automatically. **Important:** Upon enabling this option, user access will be created on the **next run** of a **backup job**, and only for those entities **selected** in that backup job. If this feature is disabled on the license server, the checkbox will be inactive, and the user won’t be able to turn on or off the “Allow end-user access” option.
2. **Allow just-in-time email backup** – if this option is enabled, the system is ready to back up emails sent to predefined email addresses. This function automatically generates the mappings and the backup job. To use the **Allow just-in-time email backup** function, the administrator needs to set up the **journaling** in Exchange Online. The required steps are listed and described in our contentACCESS documentation, in the [Microsoft 365 journaling](#) section.



What happens if you enable the Allow just-in-time email backup?



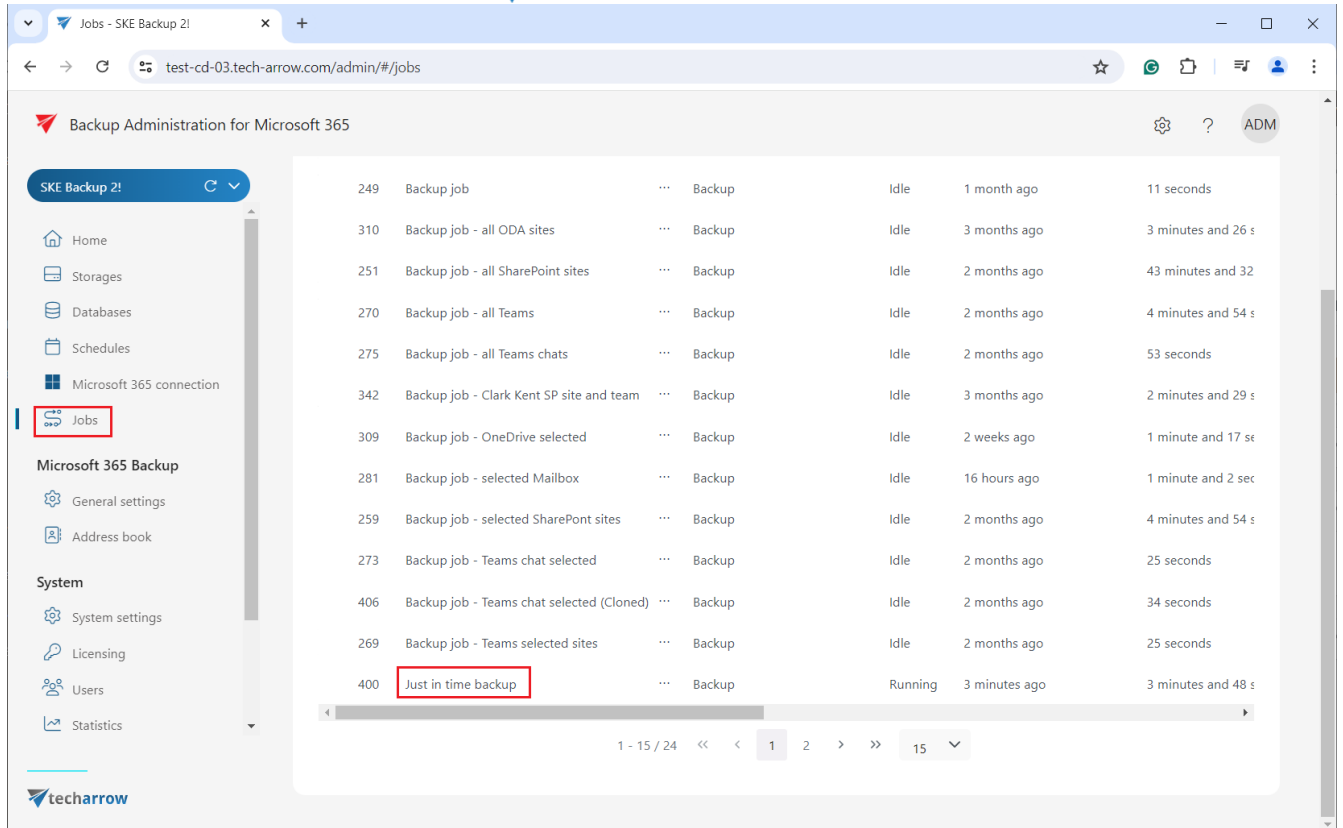
1. On the **General settings** tab, specific domain and email address will be generated to which you can forward the emails you want to back up. If multiple options are available, you must always choose one for forwarding.

2. After saving the changes, a mailbox with a system-generated email address will appear in the **Address book** (left-side menu => Address book). The emails will be forwarded to this email address.

The screenshot shows the 'Backup Administration for Microsoft 365' interface. The left sidebar contains a menu with 'Address book' highlighted in red. The main content area displays a list of mailboxes. One mailbox, 'justintime21@2h2hx3.onmicrosoft.com', is highlighted in red in the list.

Name	...	Domain	Backup Status
Adele Vance	...	AdeleV@2h2hx3.onmicrosoft.com	SKE Backup 2!
Alex Wilber	...	AlexW@2h2hx3.onmicrosoft.com	SKE Backup 2!
Clark Kent	...	Clark.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!
Diego Siciliani	...	Diego5@2h2hx3.onmicrosoft.com	SKE Backup 2!
Emma Kent	...	Emma.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!
Grady Archie	...	GradyA@2h2hx3.onmicrosoft.com	SKE Backup 2!
Henrietta Mueller	...	HenriettaM@2h2hx3.onmicrosoft.com	SKE Backup 2!
Isaiah Langer	...	IsaiahL@2h2hx3.onmicrosoft.com	SKE Backup 2!
Johanna Lorenz	...	JohannaL@2h2hx3.onmicrosoft.com	SKE Backup 2!
Joni Sherman	...	JoniS@2h2hx3.onmicrosoft.com	SKE Backup 2!
justintime21@2h2hx3.onmicrosoft.com	...	justintime21@2h2hx3.onmicrosoft.com	SKE Backup 2!
Lee Gu	...	LeeG@2h2hx3.onmicrosoft.com	SKE Backup 2!
Lidia Holloway	...	LidiaH@2h2hx3.onmicrosoft.com	SKE Backup 2!
Lynne Robbins	...	LynneR@2h2hx3.onmicrosoft.com	SKE Backup 2!
Megan Bowen	...	MeganB@2h2hx3.onmicrosoft.com	SKE Backup 2!

3. The **Just in time backup job** will be created and configured automatically on the **Jobs** page. The job will run periodically based on the schedule configuration and will process all mailboxes from the selected tenant.



ID	Job Name	Status	Start Time	Duration
249	Backup job	Idle	1 month ago	11 seconds
310	Backup job - all ODA sites	Idle	3 months ago	3 minutes and 26 s
251	Backup job - all SharePoint sites	Idle	2 months ago	43 minutes and 32
270	Backup job - all Teams	Idle	2 months ago	4 minutes and 54 s
275	Backup job - all Teams chats	Idle	2 months ago	53 seconds
342	Backup job - Clark Kent SP site and team	Idle	3 months ago	2 minutes and 29 s
309	Backup job - OneDrive selected	Idle	2 weeks ago	1 minute and 17 se
281	Backup job - selected Mailbox	Idle	16 hours ago	1 minute and 2 sec
259	Backup job - selected SharePoint sites	Idle	2 months ago	4 minutes and 54 s
273	Backup job - Teams chat selected	Idle	2 months ago	25 seconds
406	Backup job - Teams chat selected (Cloned)	Idle	2 months ago	34 seconds
269	Backup job - Teams selected sites	Idle	2 months ago	25 seconds
400	Just in time backup	Running	3 minutes ago	3 minutes and 48 s

Address book objects

Important: To be able to see objects in the Address book, you need to run the **backup job** first! Otherwise, the page will be empty.

The **Address book** tab contains a list of read-only objects that are processed during the backup job run(s). These objects are organized on the page into five tabs: Mailboxes, [M365 groups](#) and mailbox groups, SharePoint, OneDrive, Teams, and Private chats. A more detailed description of these five tabs can be found in the following subsections of this chapter.

The page also contains the **Create restore job from selection** button, which will be active and available when you select an object from the list below. For more information about this option, please refer to the [Restore job](#) section in the documentation.



Mailboxes and mailbox groups tab

The **Mailboxes and groups** tab displays all mailboxes, [M365 groups](#) (processing both the group mailbox and members) and mailbox groups (processing only members of the selected mailbox group) processed by the backup job. This tab is further divided into two sections: Mailboxes and Mailbox groups.

Mailboxes

This panel includes the following columns:

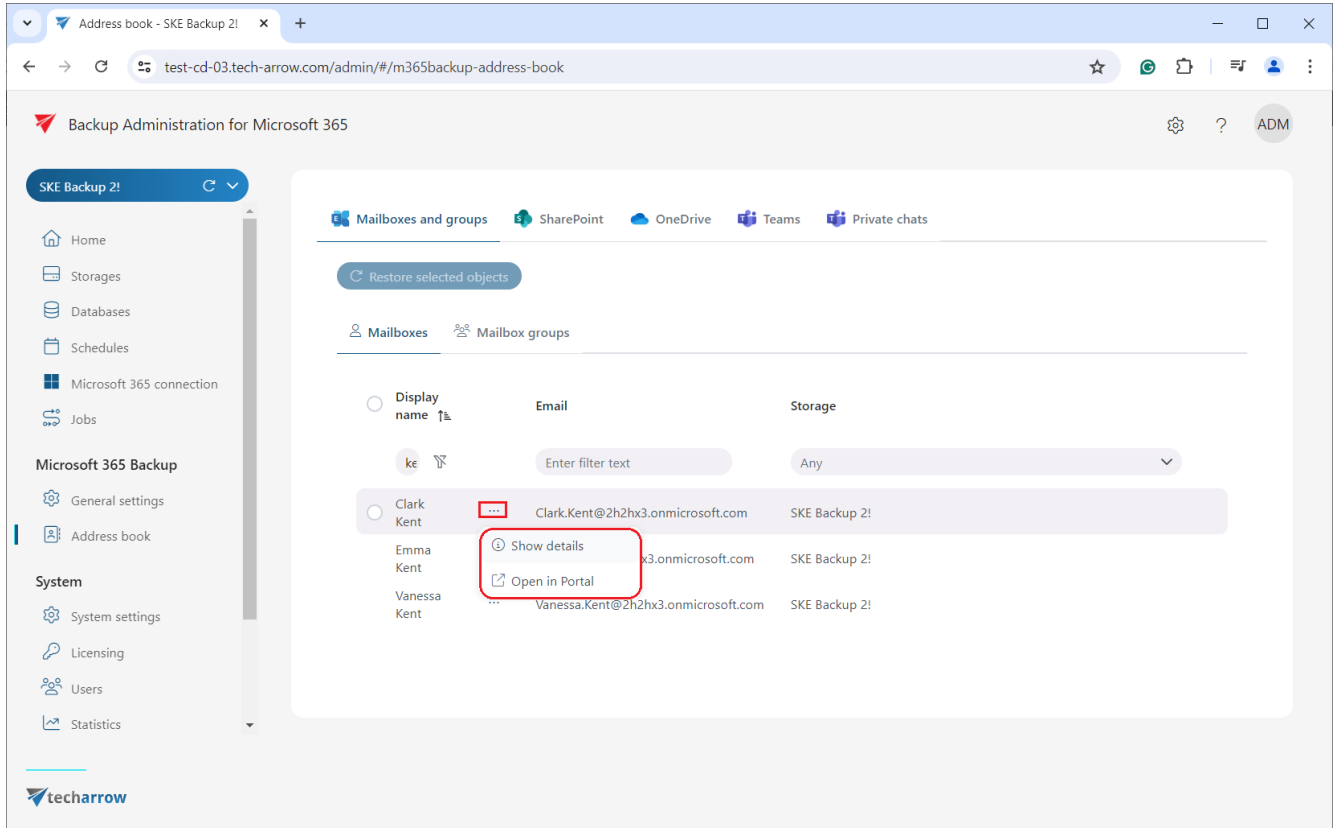
- **Display name** – shows the username associated with the email address.
- **Email** – displays the email address of the user processed by the backup job. Users are listed under their respective email address in the contentACCESS Portal.
- **Storage** indicates the assigned storage for the objects, automatically assigned during the initial backup job run.

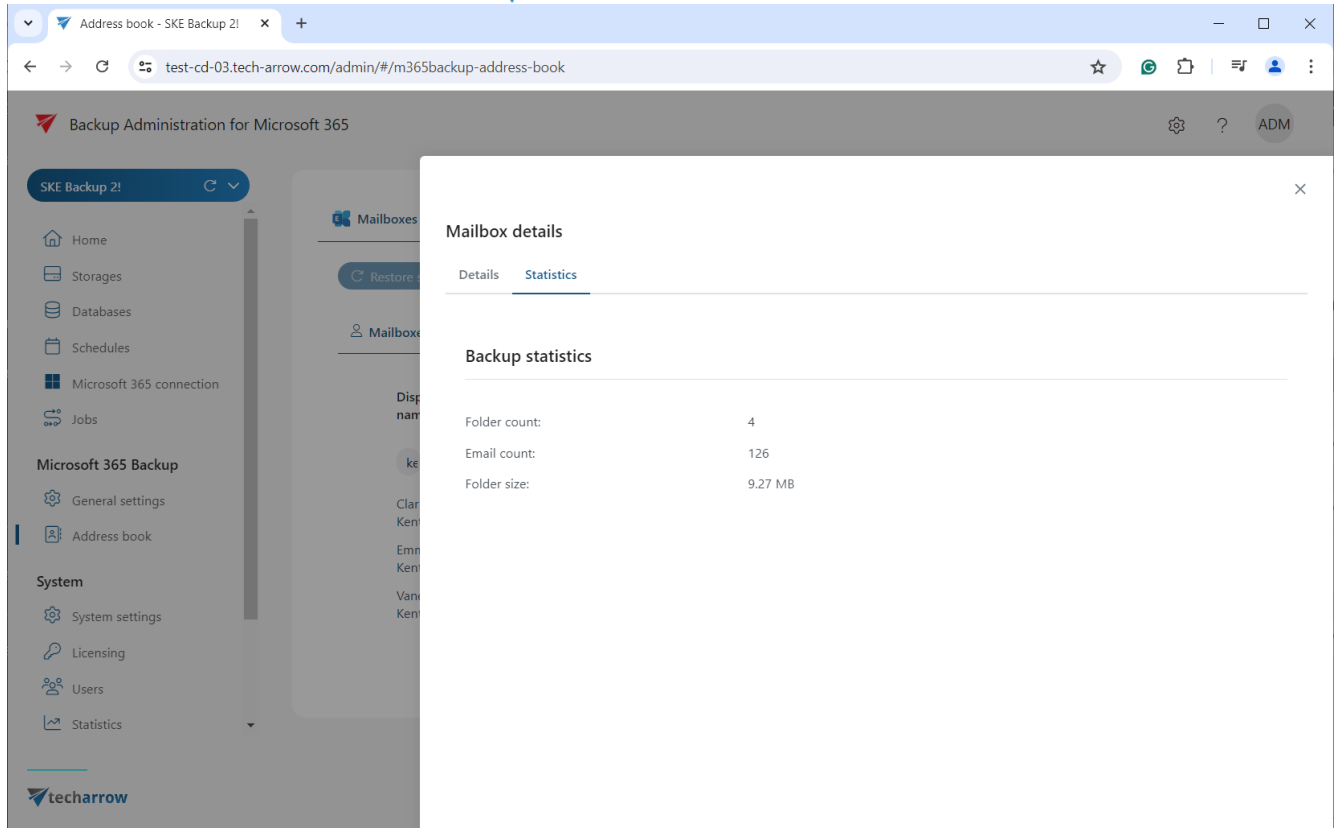
The screenshot shows the 'Backup Administration for Microsoft 365' interface. The left sidebar contains navigation options: Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs, Microsoft 365 Backup (General settings, Address book), and System (System settings, Licensing, Users, Statistics). The 'Address book' option is highlighted. The main content area shows the 'Mailboxes and groups' tab selected, with a 'Restore selected objects' button and two sub-sections: 'Mailboxes' and 'Mailbox groups'. The 'Mailboxes' section displays a table with the following data:

Display name	Email	Storage
Clark Kent	Clark.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!
Emma Kent	Emma.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!
Vanessa Kent	Vanessa.Kent@2h2hx3.onmicrosoft.com	SKE Backup 2!



By selecting a mailbox and using its context menu, you can view detailed information by clicking “Show details“. This action opens, where mailbox **details**, backup and index **statistics** are accessible.





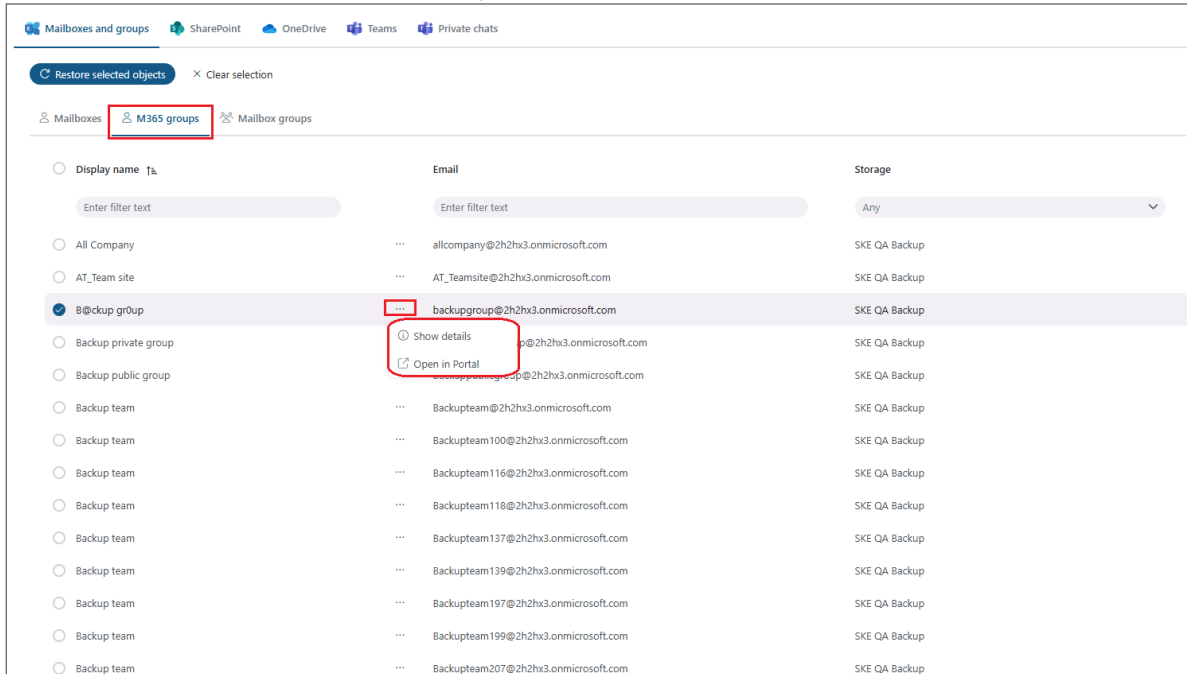
The screenshot shows the 'Backup Administration for Microsoft 365' interface. A modal window titled 'Mailbox details' is open, displaying 'Backup statistics' for a selected mailbox. The statistics are as follows:

Backup statistics	
Folder count:	4
Email count:	126
Folder size:	9.27 MB

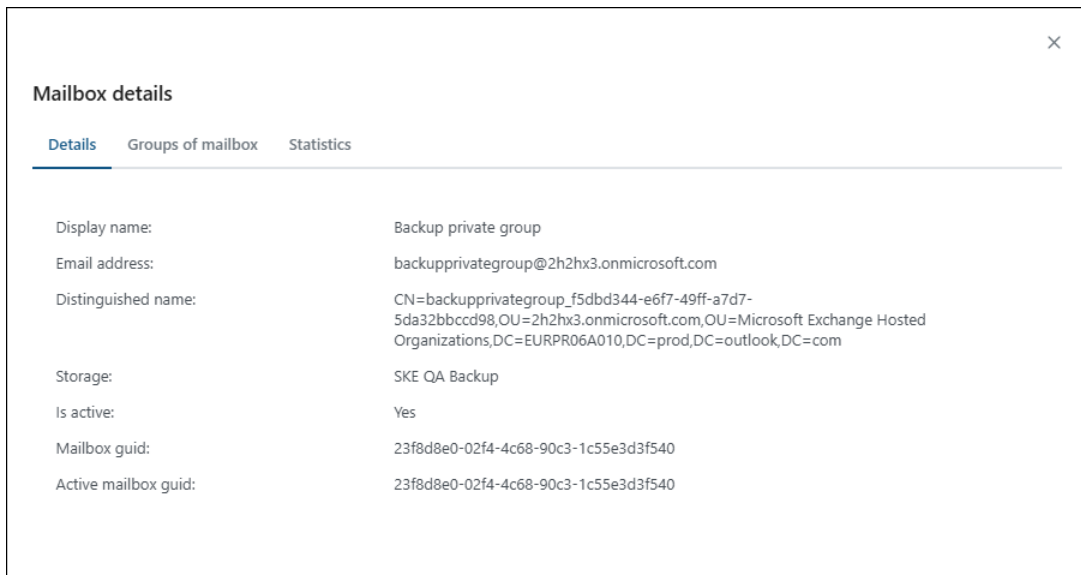
M365 groups

Here, you can see [Microsoft 365 groups](#) processed by the backup job. This panel is divided into three columns:

- **Display name** – shows the name of the M365 group
- **Email** – displays the email address of the group mailbox processed by the backup job. The groups are listed under their respective address in the contentACCESS Portal.
- **Storage** – indicates the assigned storage for the objects. The storage is automatically assigned to the group mailbox(es) during the initial backup job run.



By selecting a M365 group mailbox and using its context menu, you can view detailed information by clicking the **Show details**. In the pop-up window you can see the selected M365 group mailbox's details, list of members, and statistics.

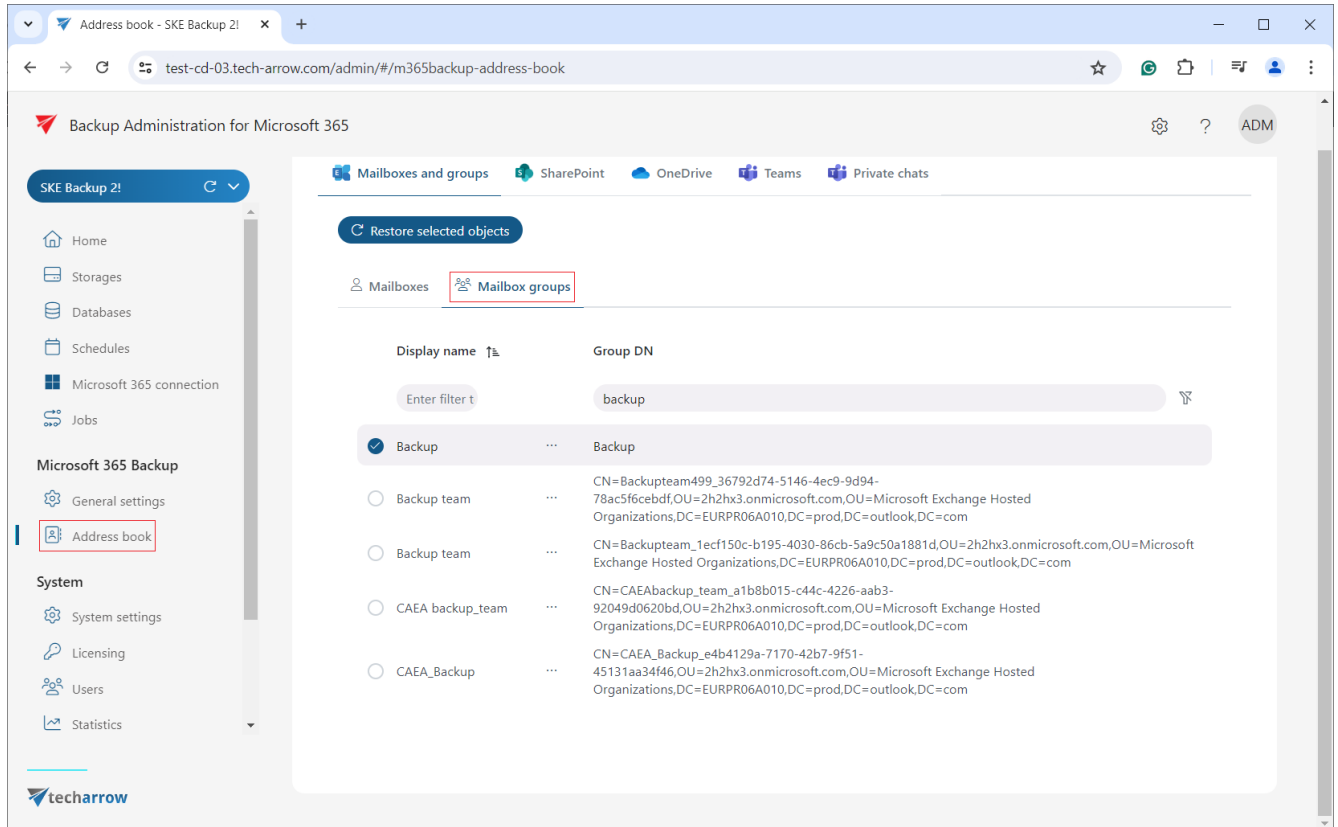


Mailbox groups

This tab contain the following details:

- **Display name** – shows the name of the mailbox groups.

- **Group DN** – specifies the distinguished name of the groups processed by the backup job.



Clicking the Show details options (select a group => context menu (...) => Show details) opens a pop-up window where additional details about the selected group can be viewed.



Address book - SKE Backup 2! x +

test-cd-03.tech-arrow.com/admin/#/m365backup-address-book

Backup Administration for Microsoft 365

SKE Backup 2!

Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs

Microsoft 365 Backup: General settings, Address book

System: System settings, Licensing, Users, Statistics

Mailboxes and groups | SharePoint | OneDrive | Teams | Private chats

Restore selected objects

Mailboxes | Mailbox groups

Display name | Group DN

Enter filter | backup

Display name	Group DN
<input checked="" type="checkbox"/> Backup	Backup
<input type="checkbox"/> Backup team	CN=Backupteam499_36792d74-5146-4ec9-9d94-78ac5f6cebdf,OU=2h2hx3.onmicrosoft.com,OU=Microsoft Exchange Hosted Organizations,DC=EURPR06A010,DC=prod,DC=outlook,DC=com
<input type="checkbox"/> Backup team	CN=Backupteam_1ecf150c-b195-4030-86cb-5a9c50a1881d,OU=2h2hx3.onmicrosoft.com,OU=Microsoft Exchange Hosted Organizations,DC=EURPR06A010,DC=prod,DC=outlook,DC=com
<input type="checkbox"/> CAEA backup_team	CN=CAEAbackup_team_a1b8b015-c44c-4226-aab3-92049d0620bd,OU=2h2hx3.onmicrosoft.com,OU=Microsoft Exchange Hosted Organizations,DC=EURPR06A010,DC=prod,DC=outlook,DC=com
<input type="checkbox"/> CAEA_Backup	45131aa34f46,OU=2h2hx3.onmicrosoft.com,OU=Microsoft Exchange Hosted Organizations,DC=EURPR06A010,DC=prod,DC=outlook,DC=com

techarrow

Address book - SKE Backup 2! x +

test-cd-03.tech-arrow.com/admin/#/m365backup-address-book

Backup Administration for Microsoft 365

SKE Backup 2!

Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs

Microsoft 365 Backup: General settings, Address book

System: System settings, Licensing, Users, Statistics

Mailboxes and groups | SharePoint | OneDrive | Teams | Private chats

Restore selected objects

Mailboxes | Mailbox groups

Group details

Details

Display name: CAEA backup_team

Distinguished name: CN=CAEAbackup_team_a1b8b015-c44c-4226-aab3-92049d0620bd,OU=2h2hx3.onmicrosoft.com,OU=Microsoft Exchange Hosted Organizations,DC=EURPR06A010,DC=prod,DC=outlook,DC=com

Email address: CAEAbackup_team@2h2hx3.onmicrosoft.com

Is active: Yes

techarrow

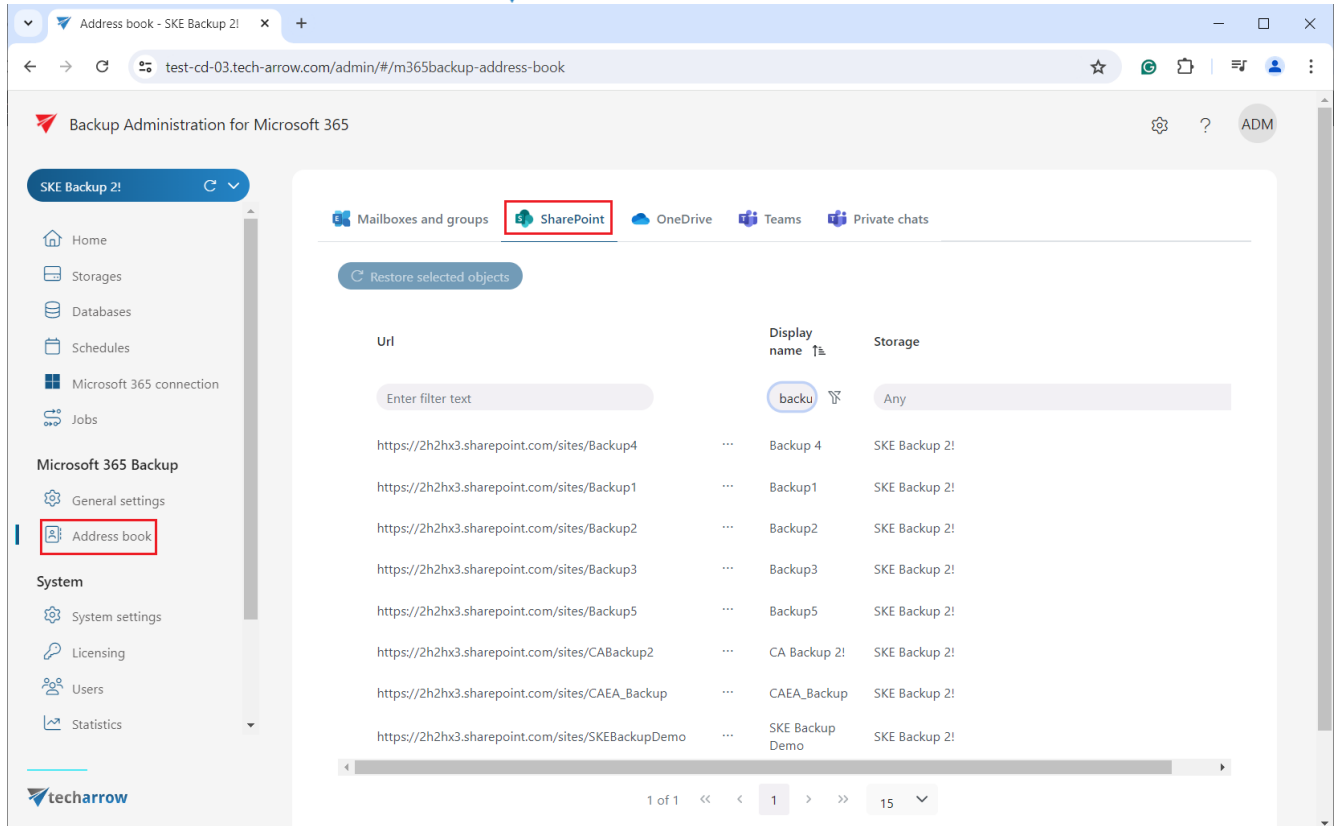


Sorting functionality available on both the Mailboxes and Mailbox groups tabs. Click on a column name (Display name, Email, Group DN) to sort items in ascending or descending order. Entities can also be **filtered** by entering filter text (in the Display name, Email, or Group DN columns), selecting from listed storages via the dropdown menu, or using **keywords** in the search textbox.

SharePoint tab

The **SharePoint** tab displays all SharePoint sites processed by the backup job. The following columns are shown here:

- **URL** – displays the URL of the SharePoint site, where its content is stored
- **Display name** – shows the name under which the SharePoint site is listed in the Address book and the Portal after the backup job
- **Storage** – indicates the assigned storage to the objects, automatically assigned during the initial backup job run.



The screenshot shows the Backup Administration for Microsoft 365 interface. The left sidebar contains navigation options: Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs, Microsoft 365 Backup (General settings, Address book), and System (System settings, Licensing, Users, Statistics). The main content area is titled "SharePoint" and displays a table of backup objects. A red box highlights the "SharePoint" tab in the top navigation bar, and another red box highlights the "Address book" option in the sidebar. The table lists various SharePoint sites with their URLs, display names, and storage locations.

Url	Display name	Storage
https://2h2hx3.sharepoint.com/sites/Backup4	Backup 4	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup1	Backup1	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup2	Backup2	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup3	Backup3	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup5	Backup5	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/CABackup2	CA Backup 2!	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/CAEA_Backup	CAEA_Backup	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/SKEBackupDemo	SKE Backup Demo	SKE Backup 2!

To view details of a selected SharePoint site, use the **context menu** and click on the **Show details** option. A pop-up window opens, where you can view basic information about the site (Details tab) or check backup statistics for the selected SharePoint site.



Address book - SKE Backup 2! x +

test-cd-03.tech-arrow.com/admin/#/m365backup-address-book

Backup Administration for Microsoft 365

SKE Backup 2!

Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs

Microsoft 365 Backup: General settings, Address book

System: System settings, Licensing, Users, Statistics

Mailboxes and groups, SharePoint, OneDrive, Teams, Private chats

Restore selected objects

Url	Display name	Storage
https://2h2hx3.sharepoint.com/sites/Backup4	Backup 4	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup1		SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup2		SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup3	Backup3	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/Backup5	Backup5	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/CABackup2	CA Backup 2!	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/CAEA_Backup	CAEA_Backup	SKE Backup 2!
https://2h2hx3.sharepoint.com/sites/SKEBackupDemo	SKE Backup Demo	SKE Backup 2!

1 of 1 << < 1 > >> 15

Address book - SKE Backup 2! x +

test-cd-03.tech-arrow.com/admin/#/m365backup-address-book

Backup Administration for Microsoft 365

SKE Backup 2!

Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs

Microsoft 365 Backup: General settings, Address book

System: System settings, Licensing, Users, Statistics

Mailboxes and groups, SharePoint, OneDrive, Teams, Private chats

Restore selected objects

Site details

Details Statistics

Display name: Backup 4

Url: https://2h2hx3.sharepoint.com/sites/Backup4

Storage: SKE Backup 2!

1 of 1 << < 1 > >> 15



Both **sorting** and **filtering** options are available on the SharePoint tab.

To sort items in reverse order, simply click on a column name (URL, Display name).

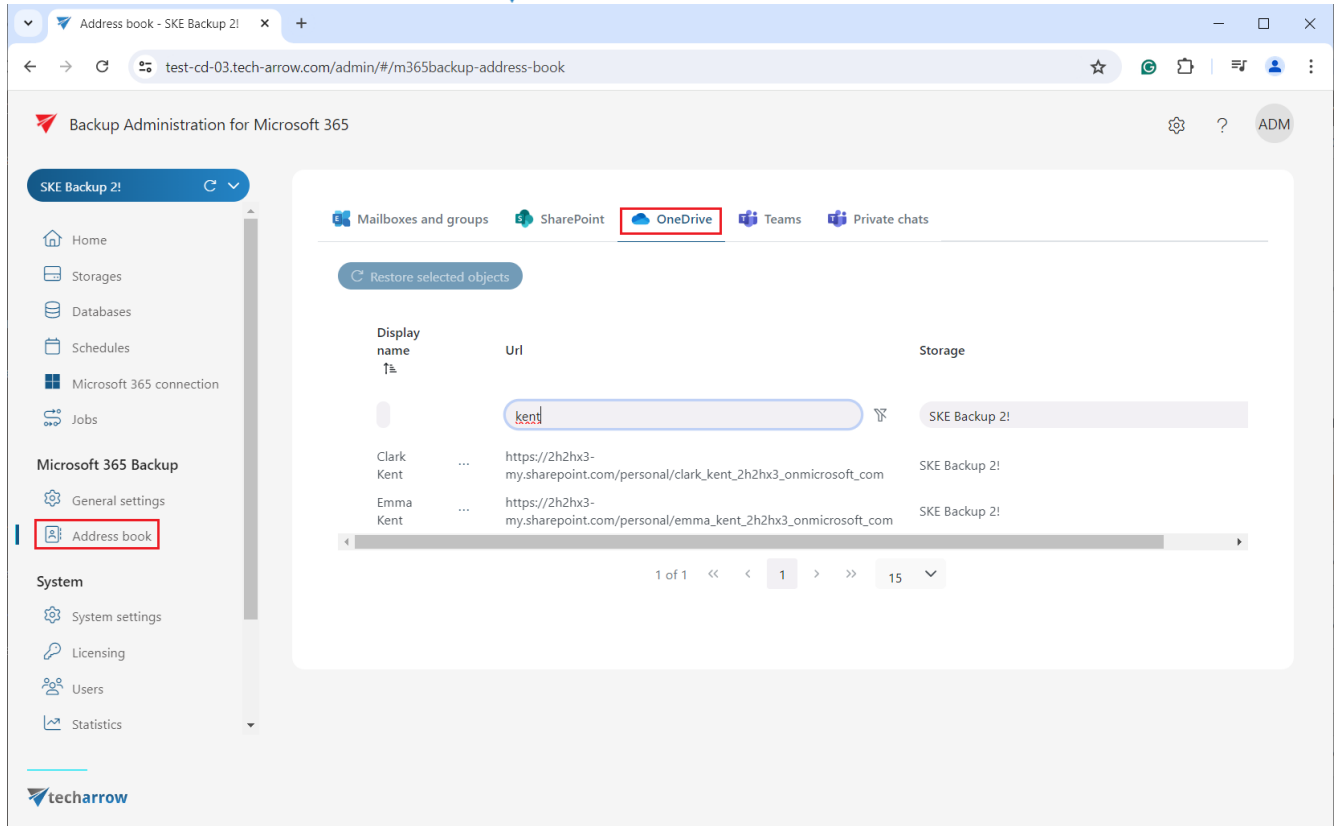
Please note, that sorting is enabled only on the Storage column if multiple storages are present.

Filtering can be performed by entering filter text (URL and Display name columns), selecting from the listed storages via the dropdown menu, or using keywords in the search textbox.

OneDrive tab

The **OneDrive** tab shows all OneDrive sites that were processed by the backup job. The following columns are displayed here:

- **Display name** – owner of the OneDrive account. The OneDrive entity is listed under this name in the Address book and the Portal after the backup job
- **URL** – shows the URL of the OneDrive account where the content is stored
- **Storage** – indicates the assigned storage for the objects. It is assigned automatically during the first run of the backup job.

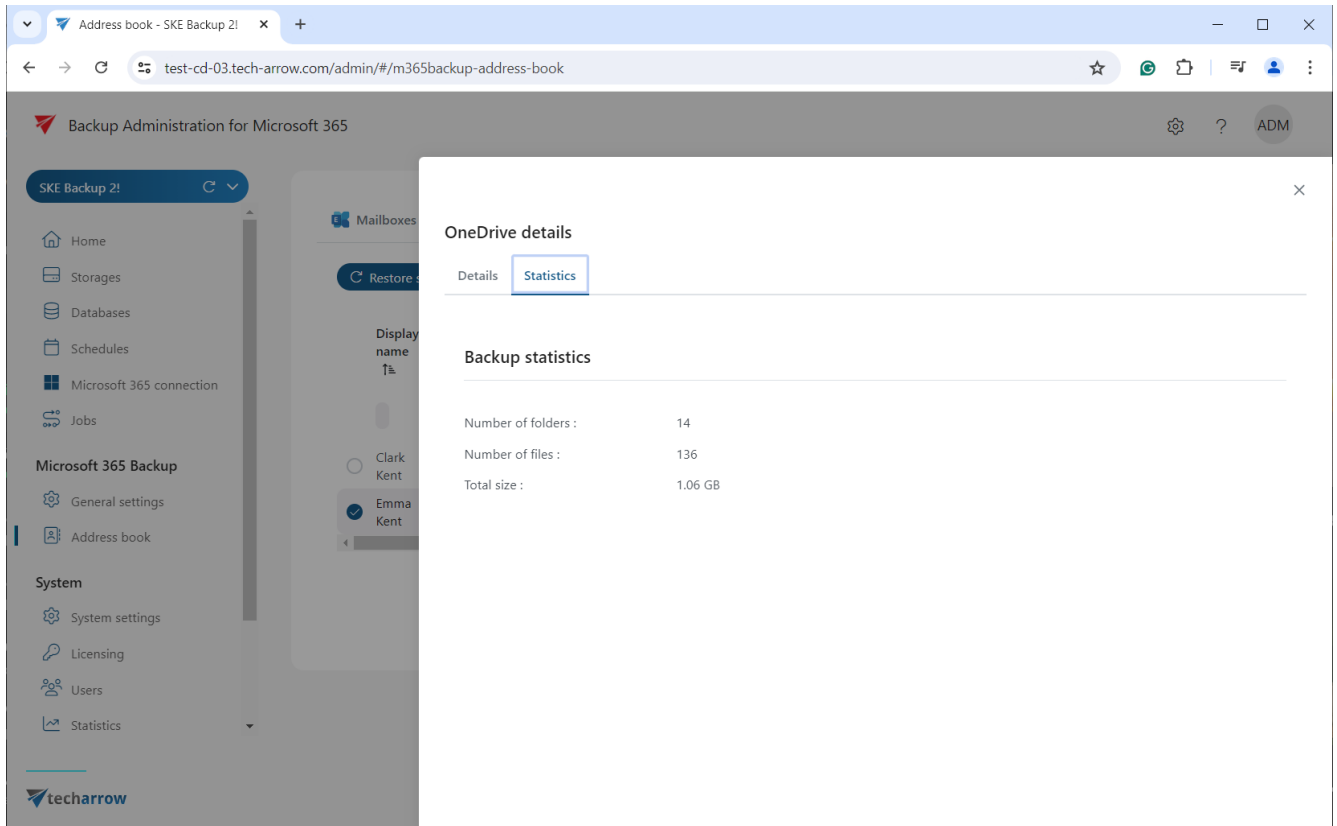
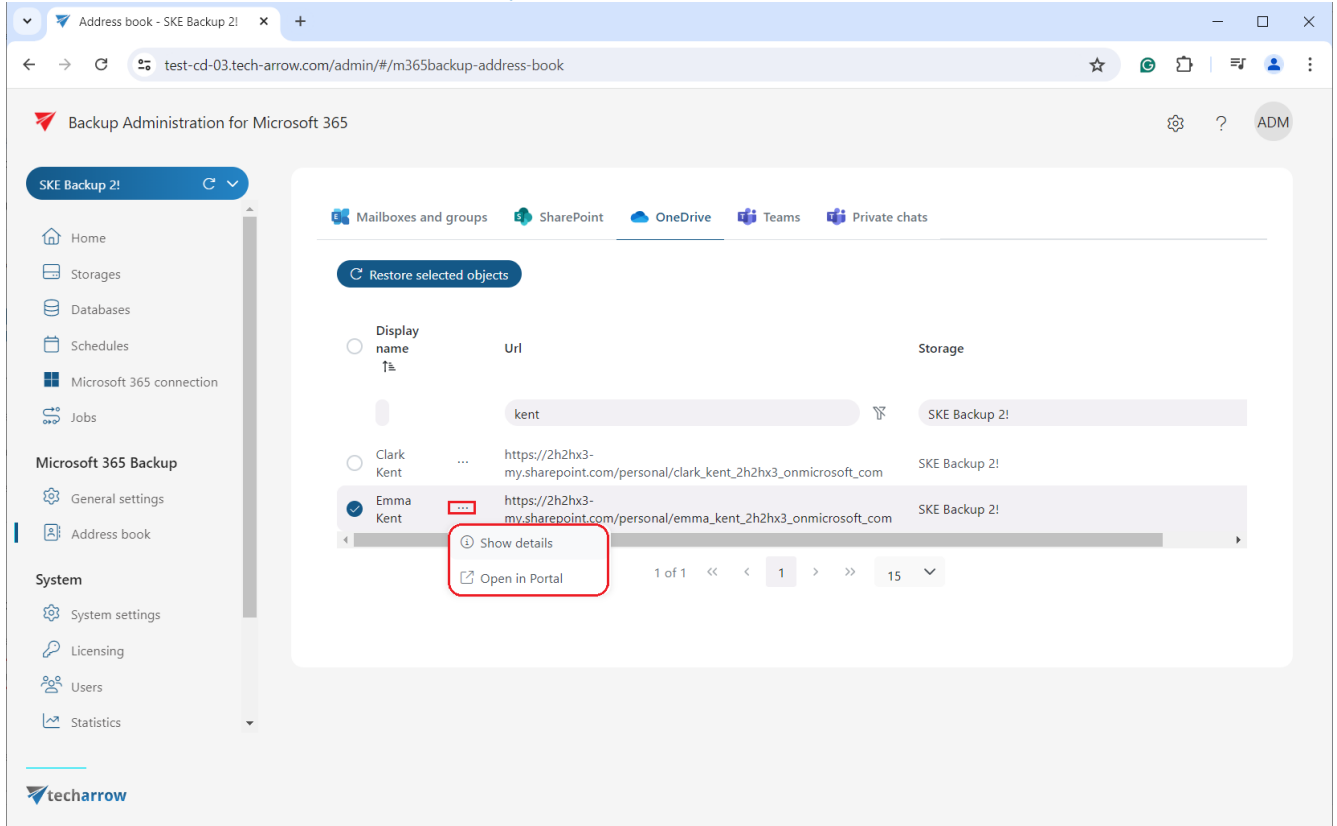


The screenshot shows the 'Backup Administration for Microsoft 365' interface. The left sidebar contains navigation options: Home, Storages, Databases, Schedules, Microsoft 365 connection, Jobs, Microsoft 365 Backup (with sub-items: General settings, Address book), and System (with sub-items: System settings, Licensing, Users, Statistics). The 'Address book' option is highlighted with a red box. The main content area is titled 'OneDrive' and shows a table of OneDrive sites. The table has columns for 'Display name', 'Url', and 'Storage'. A search bar is present above the table. The table contains three rows of data:

Display name	Url	Storage
Clark Kent	https://2h2hx3-my.sharepoint.com/personal/clark_kent_2h2hx3_onmicrosoft_com	SKE Backup 2!
Emma Kent	https://2h2hx3-my.sharepoint.com/personal/emma_kent_2h2hx3_onmicrosoft_com	SKE Backup 2!

The 'Address book' option in the sidebar is highlighted with a red box. The 'OneDrive' tab in the main content area is also highlighted with a red box. The table shows a list of OneDrive sites with columns for Display name, Url, and Storage. The first row is partially obscured by a search bar containing the text 'kent'. The second row shows 'Clark Kent' with a URL and 'SKE Backup 2!' as the storage. The third row shows 'Emma Kent' with a URL and 'SKE Backup 2!' as the storage. A pagination bar at the bottom of the table shows '1 of 1' and a dropdown menu set to '15'.

Using a selected OneDrive site's **context menu**, you can view the site details by clicking the **Show details** option. A pop-up window will open, where you can view basic information about the site (Details tab) or check the backup statistics of the currently selected OneDrive site.





Both **sorting** and **filtering** options are available on the OneDrive tab.

To see the items in the reverse order, simply click on a column name (URL, Display name).

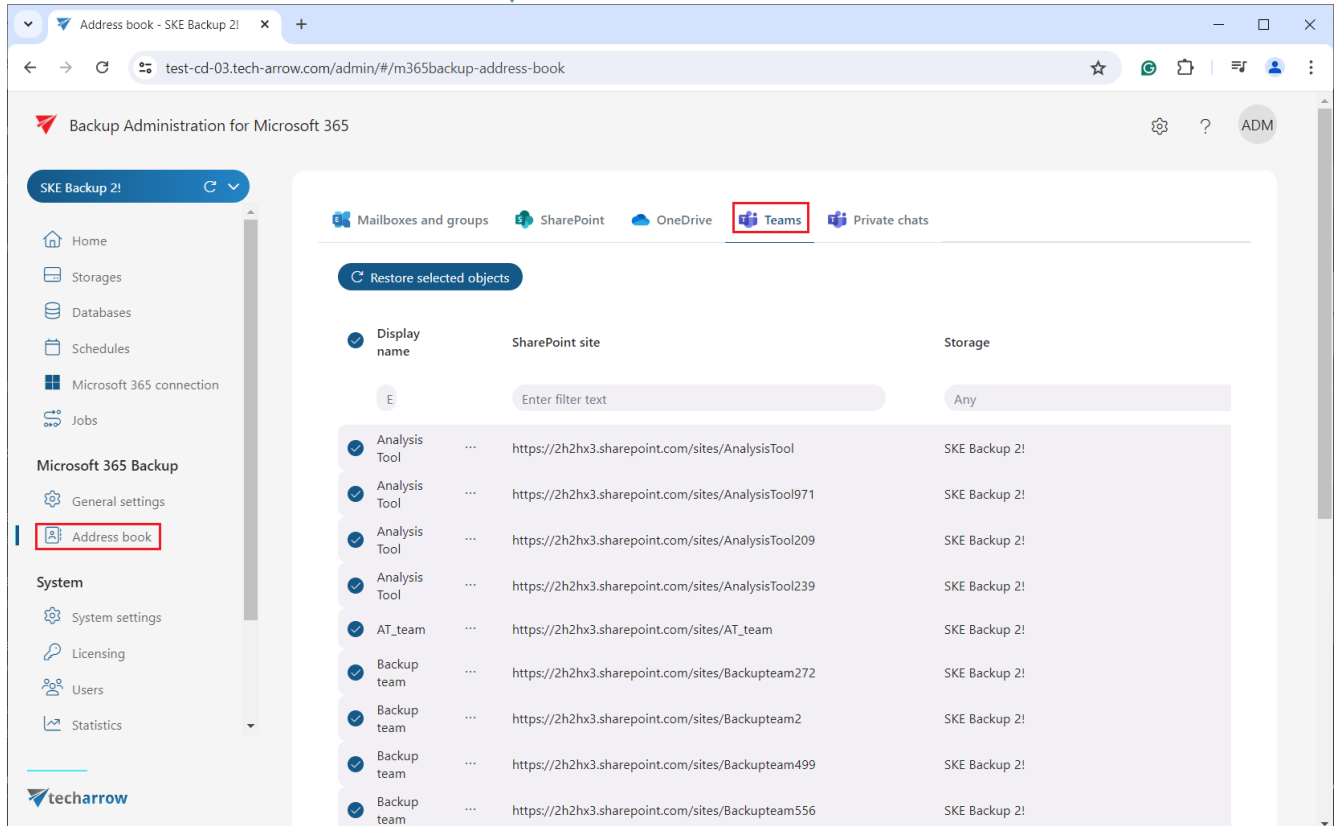
Please note, that sorting is only enabled on the Storage column if there is more than one storage.

Filtering can be done by entering the filter text (URL and Display name columns), by using the dropdown menu to select from the listed storages, or by entering the keyword into the search textbox.

Teams tab

The **Teams** tab shows all teams that were processed by the backup job. The following columns are displayed here:

- **Display name** – shows the name of the team. The entities are listed under this name in the Address book and the Portal after the backup job
- **SharePoint site** – displays the SharePoint site where the content of the team is stored.
- **Storage** – indicates the assigned storage for the objects, automatically assigned during the first run of the backup job.



By selecting a team and using its **context menu**, you can view detailed information by clicking on the **Show details** option. This action opens a pop-up window, where team details and backup statistics are accessible.

Backup Administration for Microsoft 365

SKE Backup 2!

Mailboxes and groups | SharePoint | OneDrive | Teams | Private chats

Restore selected objects

Display name	SharePoint site	Storage
En	mark	SKE Backup 2!
Mark 8 Project Team	https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam9	SKE Backup 2!
Mark 8 Project Team	https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam800	SKE Backup 2!
Mark 8 Project Team	https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam347	SKE Backup 2!
Mark 8 Project Team	https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam835	SKE Backup 2!
Mark 8 Project Team	https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam362	SKE Backup 2!
Mark 8 Project Team	https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam77	SKE Backup 2!

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Backup Administration for Microsoft 365

SKE Backup 2!

Home | Storages | Databases | Schedules | Microsoft 365 connection | Jobs

Microsoft 365 Backup

General settings | Address book

System

System settings | Licensing | Users | Statistics

techarrow

Team details

Team details | Statistics

Team name: Mark 8 Project Team

Team identifier: a629a46d-9639-4c7f-ba17-06163a39a85b

SharePoint site: https://2h2hx3.sharepoint.com/sites/Mark8ProjectTeam9

Storage: SKE Backup 2!



Both **sorting** and **filtering** options are enabled on the Teams tab.

Click on a column name (Display name or SharePoint site), and the items will be displayed in reverse order.

Sorting is only available on the Storage column if multiple storages are present.

Filtering can be performed by entering the filter text (Display name and SharePoint site columns), by using the dropdown menu to select from the listed storages, or by entering the keyword into the search textbox.

Private chats tab

The **Private chats** tab shows all private chats processed by the backup job. The following columns are displayed here:

- **Display name** – shows the name of the team. The entities are listed under this name in the Address book and the Portal after the backup job
- **Principal name** – displays the email address that the user is using to log into Teams
- **AAD user type** – this column shows the user type of the selected user in **Azure Active directory**. There are 4 options: Unspecified, Other, Member, and Guest
- **License status** – indicates if a license is assigned to the user. There are 4 types: Allowed, Licensed, Deactivated, and Guest.



Address book - SKE Backup 2! x +

test-cd-03.tech-arrow.com/admin/#/m365backup-address-book

Backup Administration for Microsoft 365

SKE Backup 2!

- Home
- Storages
- Databases
- Schedules
- Microsoft 365 connection
- Jobs
- Microsoft 365 Backup
 - General settings
 - Address book
- System
 - System settings
 - Licensing
 - Users
 - Statistics

Mailboxes and groups | SharePoint | OneDrive | Teams | **Private chats**

Display name	Principal name	AAD user type	License status
<input type="text" value="kent"/>	<input type="text" value="Enter filter text"/>	Member X	Licensed X
Clark Kent	Clark.Kent@2h2hx3.onmicrosoft.com	Member	Licensed
Emma Kent	Emma.Kent@2h2hx3.onmicrosoft.com	Member	Licensed

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Address book - SKE Backup 2! x +

test-cd-03.tech-arrow.com/admin/#/m365backup-address-book

Backup Administration for Microsoft 365

SKE Backup 2!

- Home
- Storages
- Databases
- Schedules
- Microsoft 365 connection
- Jobs
- Microsoft 365 Backup
 - General settings
 - Address book
- System
 - System settings
 - Licensing
 - Users
 - Statistics

Mailboxes and groups | SharePoint | OneDrive | Teams | Private chats

Display name	Principal name	AAD user type	License status
<input type="text" value="kent"/>	<input type="text" value="Enter filter text"/>	Member X	Licensed X
Clark Kent	Clark.Kent@2h2hx3.onmicrosoft.com	Member	Licensed
Emma Kent	Emma.Kent@2h2hx3.onmicrosoft.com	Member	Licensed

Open in Portal

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Sorting and **filtering** options are available on the Private chats tab. Click on a column name (Display name or Principal name), and the items will be displayed in reverse order.

Filtering can be done by entering the filter text (Display name and Principal name columns), by using the dropdown menu to select from the listed AAD user types and License statuses, or by entering a keyword into the search textbox.

System Insights

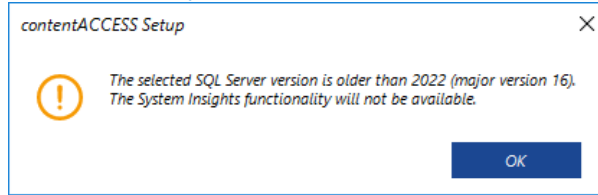
System Insights provides real-time visibility into the performance of your backup and archiving environment. It is built directly into Administration UI and offers clear analytics in all key areas, helping you troubleshooting faster, use your resources more efficiently, and making informed decisions.

System Insights processes and displays information instantly, allowing you to view the most current data at any time. You can easily switch between a complete system overview and a detailed view of specific operations. The feature is built on modern technology, using **TimescaleDB** over **PostgreSQL** for maximum performance and real-time analysis, while also **supporting SQL Server 2022 and later** to ensure flexible deployment options.

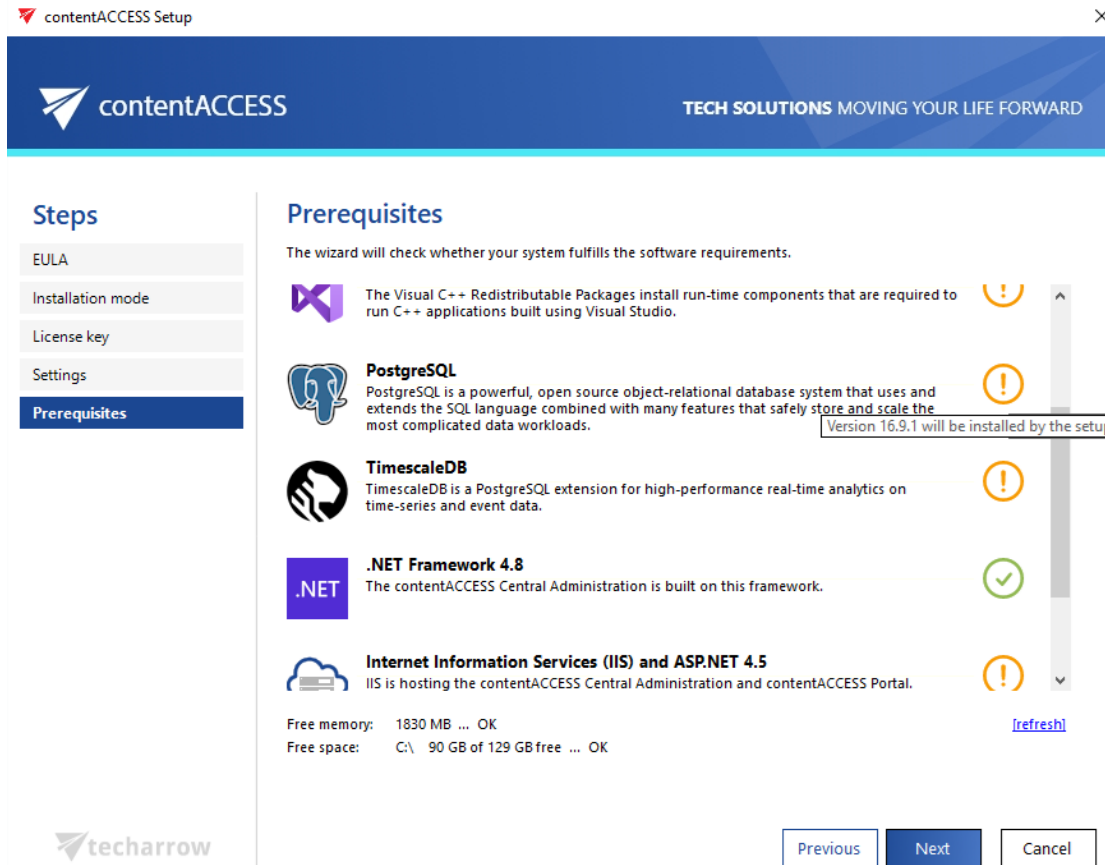
Through System Insights, you can monitor live metrics such as CPU usage, memory consumption, application memory usage and the number of running jobs, while allowing for proactive workload management.

System Insights is compatible with both **MSSQL** and **PostgreSQL** databases, although PostgreSQL is recommended because the TimescaleDB extension is ideally suited for this type of workload. If selected during **first** installation, contentACCESS automatically installs PostgreSQL and creates the required database.

However, it is not possible to switch from MSSQL to PostgreSQL during an update; PostgreSQL can only be used if the system was originally installed with it or if a first installation is performed. The feature is available starting from contentACCESS version 7.1. To use it, the SQL server version must be **2022 or later**, and PostgreSQL must be version **16.9.1 or newer**.



If these requirements are met, the installation package will automatically deploy System Insights. If an older version of PostgreSQL is detected, the installer will update it automatically.



Key Features:

1. The **Environment** tab shows CPU usage, memory usage, application memory usage, active users, and running jobs, providing real-time insights into overall system performance and resource consumption.

2. **Archive activity** can be tracked in detail, including the total volume of processed data, the number of archived or backed up items, average processing time, and error occurrences, making it easy to identify any factors affecting performance.



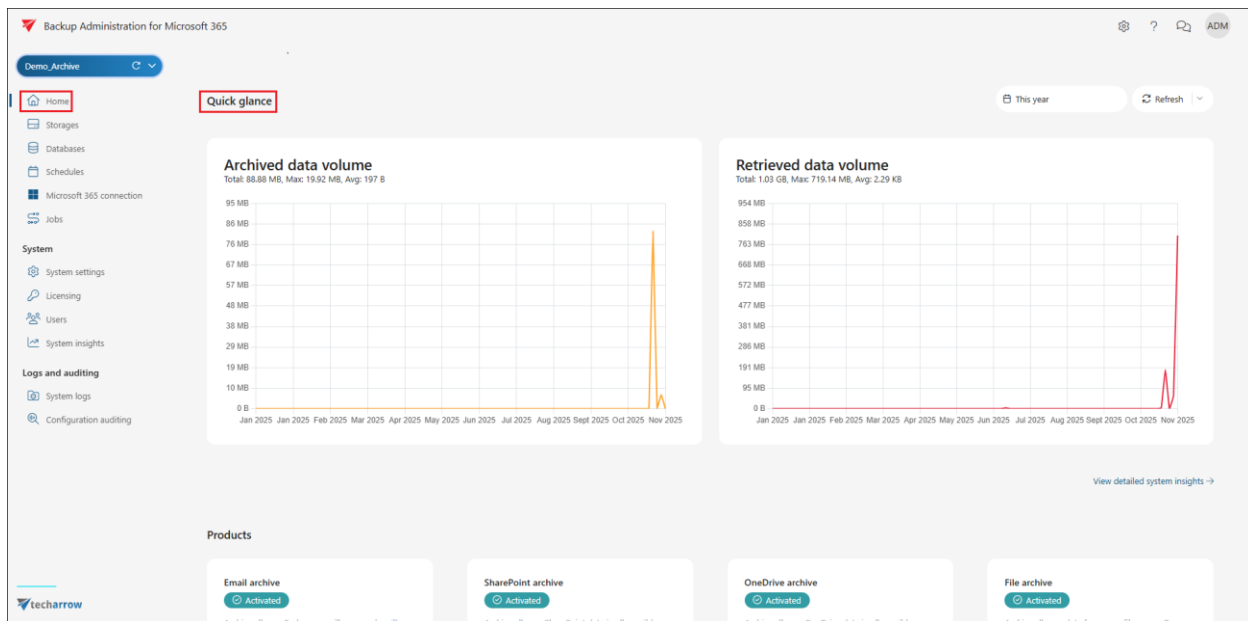
3. **Model activity analytics** display the number of operations performed, the total amount of data retrieved, and the average retrieval times, enabling precise performance tuning.

4. **Storage activity tracking** gives you information about the number of storage operations, the data volume handled, processing times, and any failures, ensuring that your storage runs smoothly.

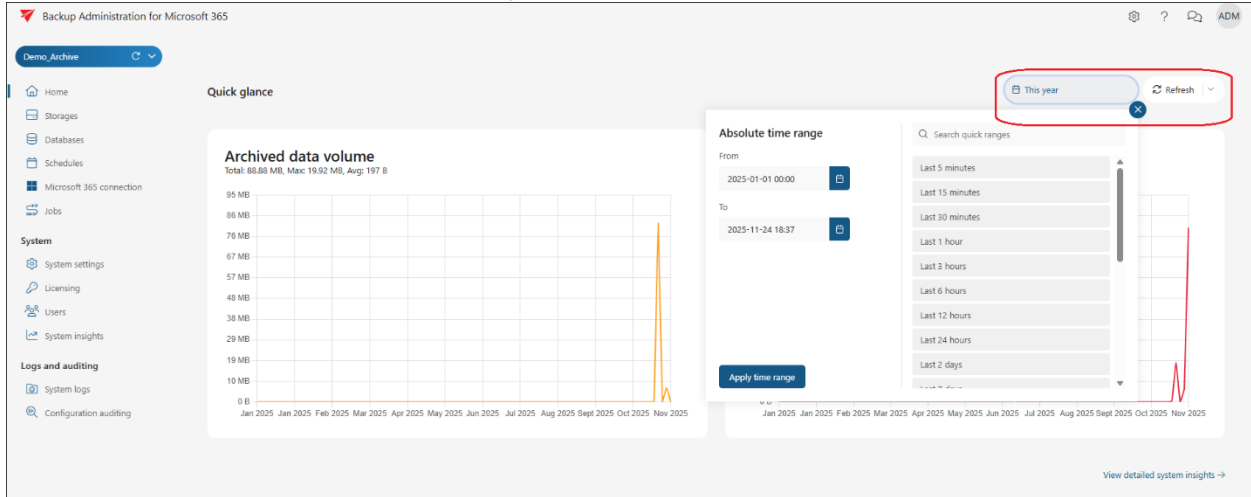
5. **License usage insights** provide a clear overview of the total data volume used and the number of licenses in use, supporting both capacity planning and compliance monitoring.

6. **SMTP activity** displays metrics on email traffic and processing. The section includes five graphs showing received emails, rejected emails, archived emails, failed emails, and waiting emails in the selected time range.

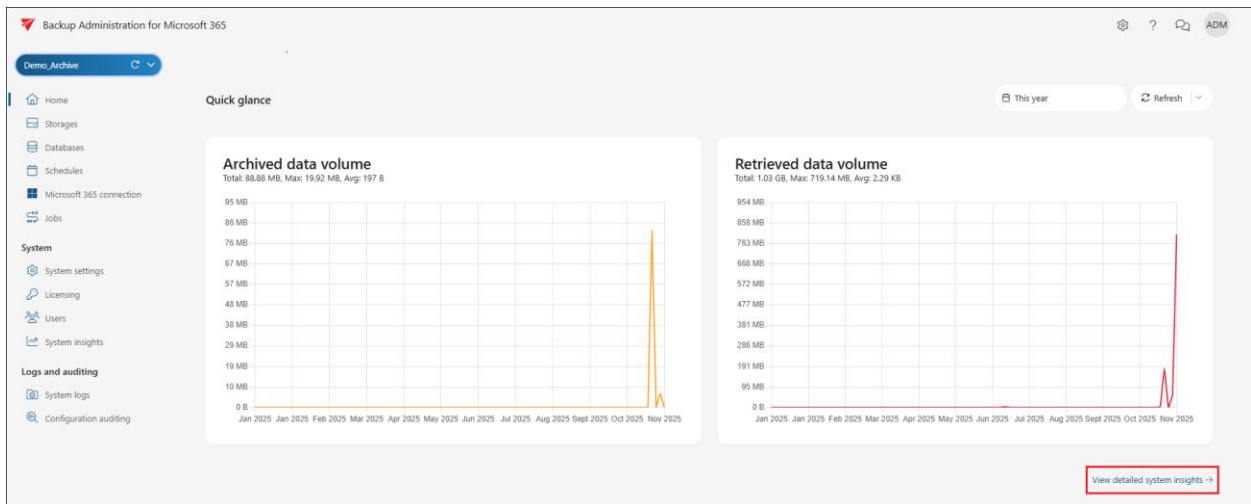
When System Insights is available, the **Home** page of the Backup Administration displays a **Quick glance** panel that shows analytics for archived, backed up or retrieved data volumes from the last 24 hours.



The time range can be adjusted through the **Absolute time range** window, and the displayed data can be refreshed manually with the **Refresh** button or set to update automatically at regular intervals.

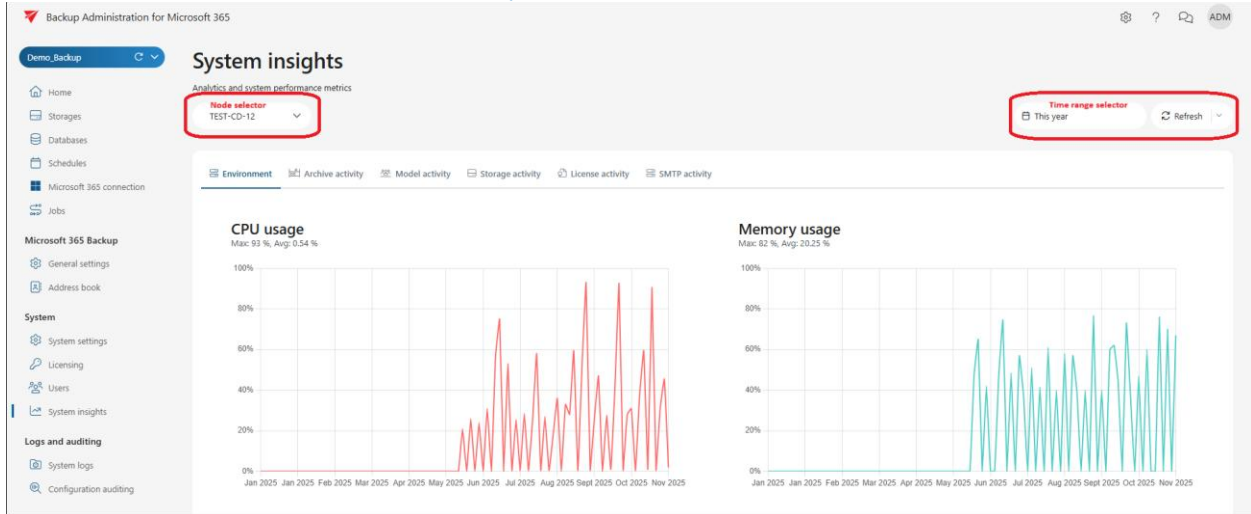


The detailed System Insights page can be accessed either by clicking the **View detailed system insights** button on the Home page or by selecting the corresponding option in the left-hand menu.



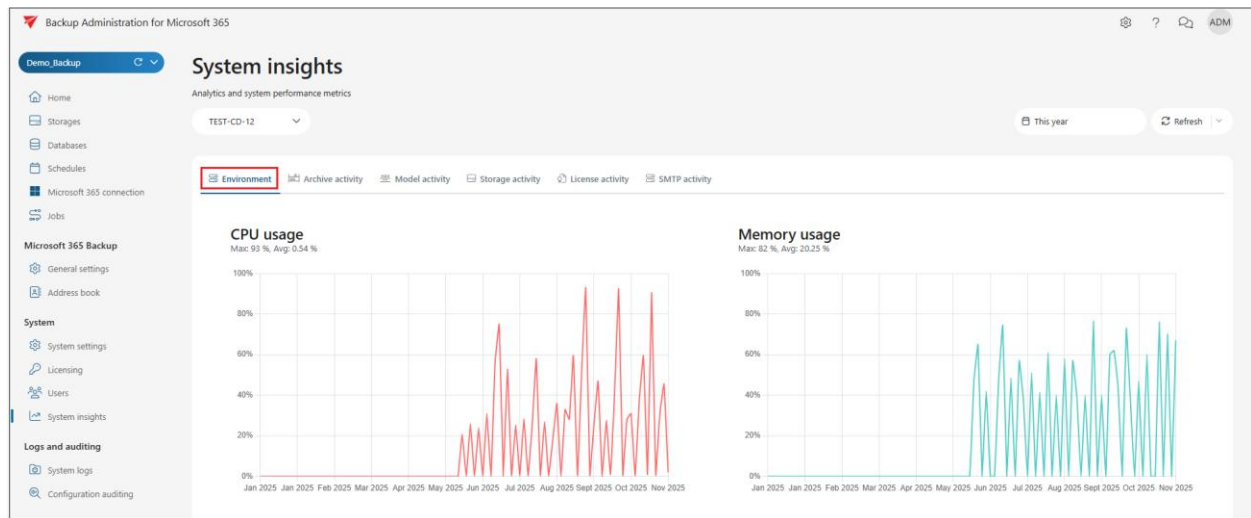
On the **System Insights** page, analytics and system performance metrics are presented in a clear and organized way. By default, data for the current node is shown, but other nodes can be selected through the node selector. The time range can also be adjusted, and the data can be refreshed at any time.

System Insights also support **aggregate values**. Aggregated values show a quick summary of the data in the chart. You can see the total of all values, the average value, and the highest value over the selected period. This helps you understand the overall trend at a glance without looking at every single data point.

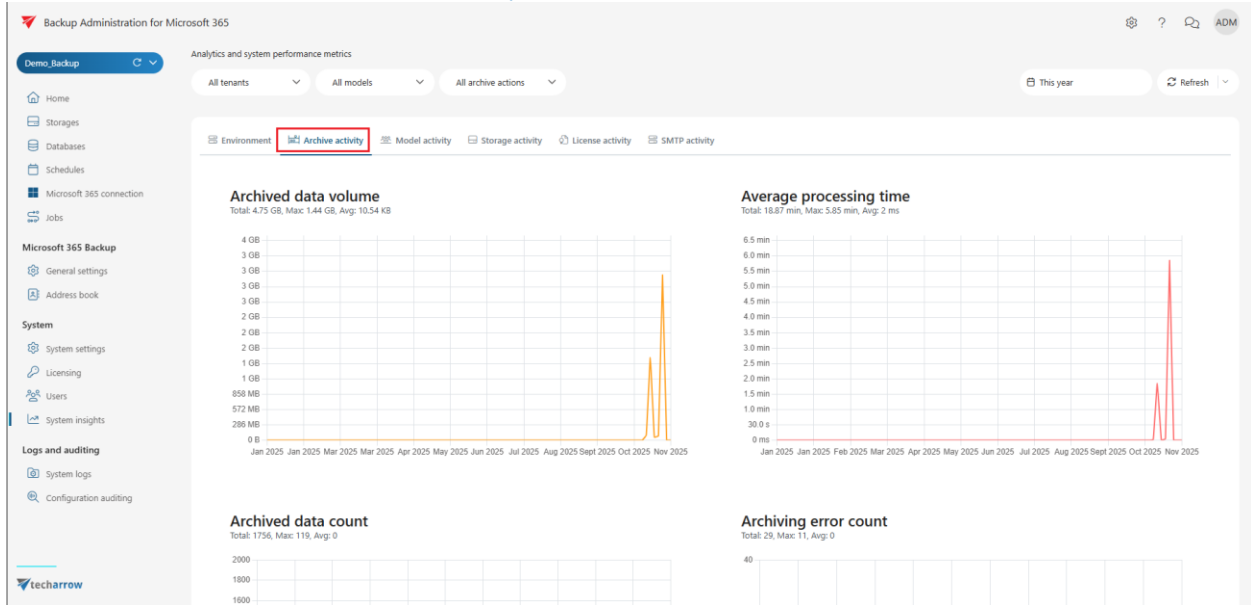


The analytics and system performance metrics are grouped into five main categories.

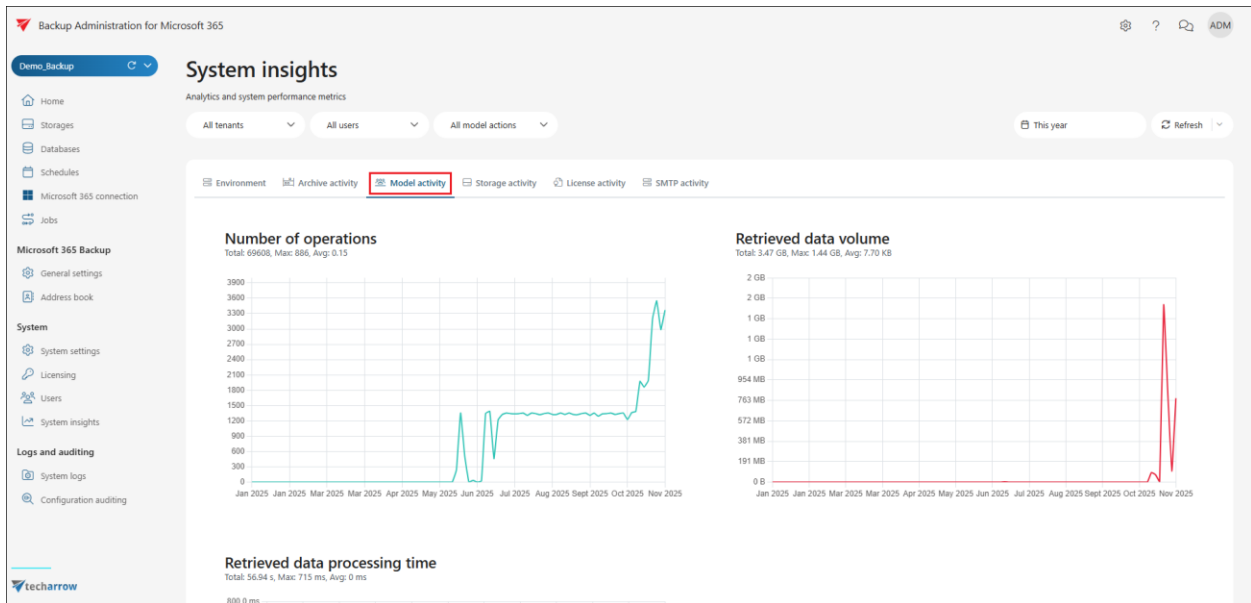
1. The **Environment** section shows CPU usage, memory usage, application memory usage, active users, and running jobs.



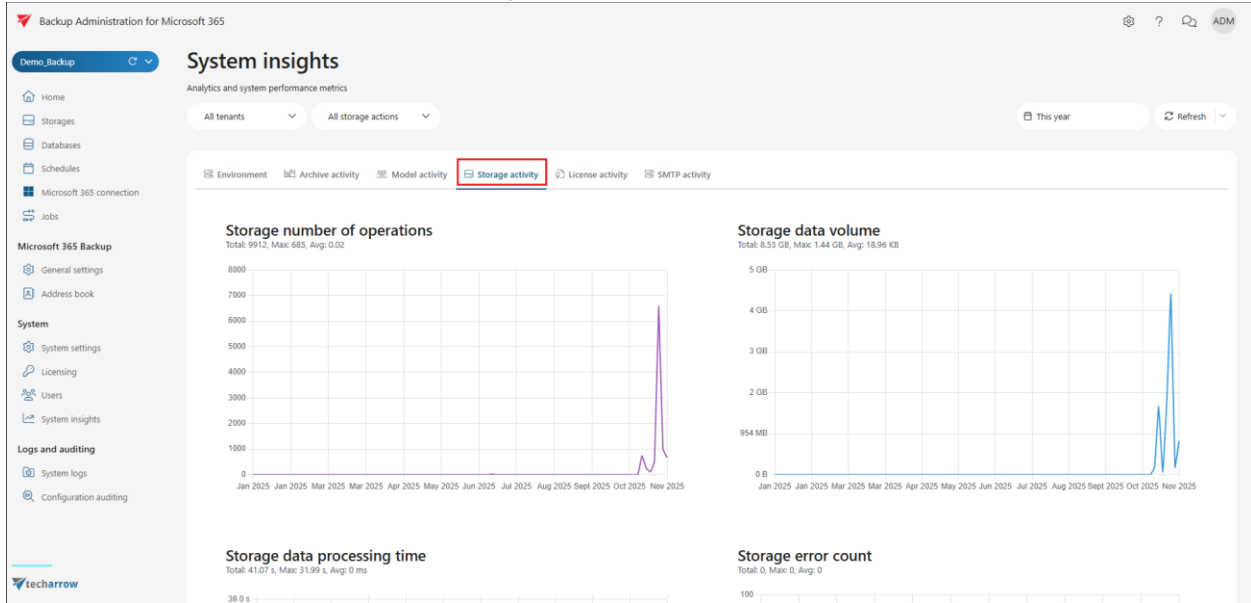
2. **Archive activity** provides metrics on archived or backed up data volume, average processing times, archived item counts, and archiving or backup errors.



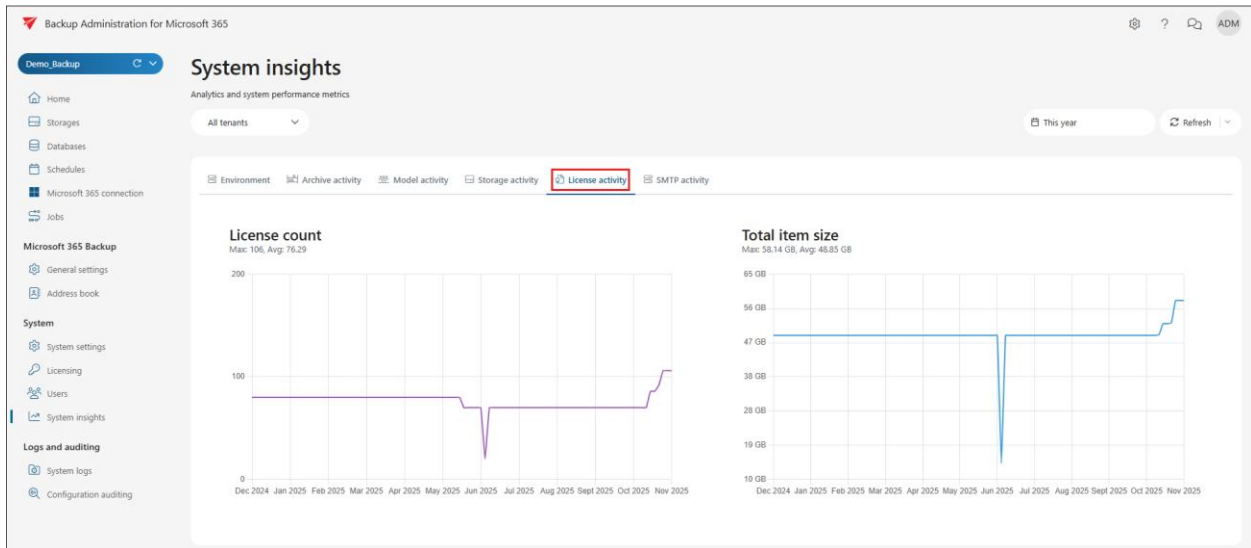
3. **Model activity** contains data on the number of operations, retrieved data volumes, and retrieval processing items.



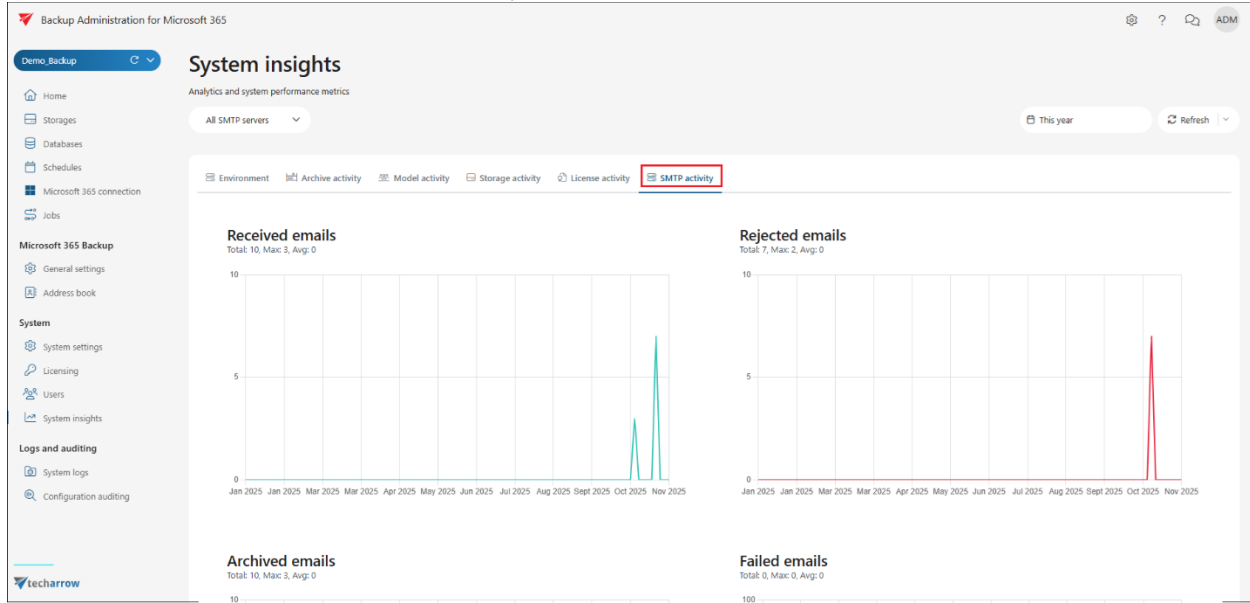
4. **Storage activity** reports the number of storage operations, total data volume handled, processing times, and any storage errors.



5. License activity displays the number of licenses in use and the total item size, ensuring that licensing remains transparent and easy to monitor.



6. SMTP activity displays metrics on email traffic and processing. The section includes five graphs showing received tenants emails, rejected emails, archived emails, failed emails, and waiting emails in the selected time range.



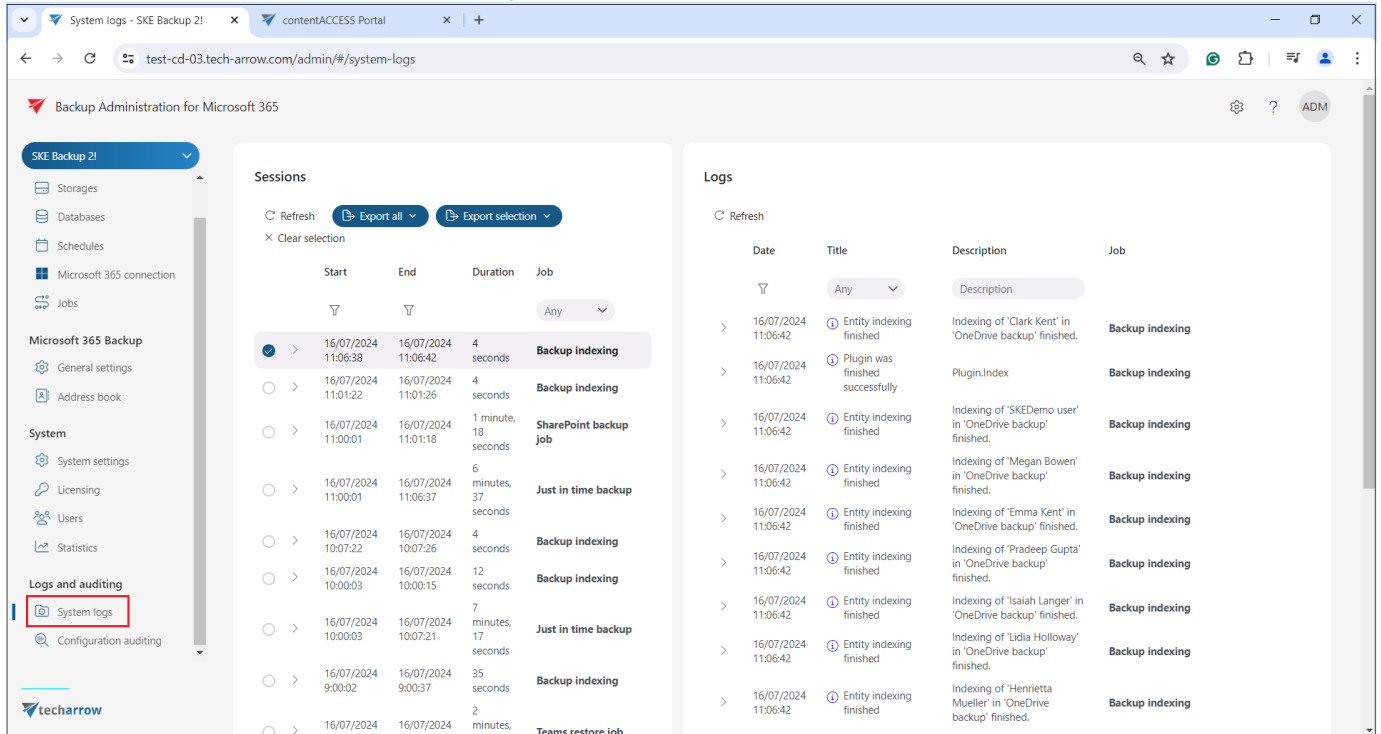
In conclusion, System Insights brings together real-time monitoring, detailed analytics, an intuitive interface to give administrators complete control over their backup and archiving environment. By delivering instant visibility into different areas, it ensures that performance remains optimized, resources are used efficiently, and systems are prepared to meet both current demands and future growth.

Logs and auditing

The **Logs and auditing** tab includes the **System logs** and **Configuration auditing** features. These features allow users to review current or past system or job-related events and capture configuration changes in Backup Administration. Further details regarding these features will be provided in the following subsections.

System logs

The **System logs** feature allows the users to review current or past system or job-related events in Backup Administration. Here, users can check all desired system events and also access any potential failure details that may occur during job execution. This review can assist in troubleshooting.



Components of the **System logs** user interface:

Export all and Export selection buttons

The Export all button is always visible, while the Export selected button will only be activated when single or multiple items are selected. These functions make it easier to review running events by saving the logs into CSV, HTML, or JSON files. The report contains all necessary information (Code, Title, Date, Type, Instance, Description, Details) to quickly identify potential failures.



Sessions

Start	Duration	Job
<input checked="" type="checkbox"/> > 16/07/2024 11:06:38 <input type="checkbox"/> > 16/07/2024 11:01:22 <input type="checkbox"/> > 16/07/2024 11:00:01 <input type="checkbox"/> > 16/07/2024 11:00:01 <input type="checkbox"/> > 16/07/2024 10:07:22 <input type="checkbox"/> > 16/07/2024 10:00:03 <input type="checkbox"/> > 16/07/2024 10:00:03	16/07/2024 11:06:42 16/07/2024 11:01:26 16/07/2024 11:01:18 16/07/2024 11:06:37 16/07/2024 10:07:26 16/07/2024 10:00:15 16/07/2024 10:07:21	4 seconds 4 seconds 1 minute, 18 seconds 6 minutes, 37 seconds 4 seconds 12 seconds 7 minutes, 17 seconds

Sessions and Session logs sections

These columns allow you to monitor job and system **runs** on the left side (Sessions column) and check system and job **events** on the right side (Session logs column). Clicking on the **Refresh** button reloads the current runs/events from the database. With a single click on the **collapse/expand** buttons, you can expand or collapse all sessions (or session logs) for all jobs. It is also enabled to list events at the bottom of columns on the **System logs** page.



Sessions					Logs			
Refresh Export all Export selection Clear selection					Refresh			
Start	End	Duration	Job		Date	Title	Description	Job
				Any		Any	Description	
16/07/2024 11:06:38	16/07/2024 11:06:42	4 seconds	Backup indexing		16/07/2024 10:00:15	Entity indexing finished	Indexing of 'Clark Kent' in 'OneDrive backup' finished.	Backup indexing
121 entities processed, 0 items processed								
16/07/2024 11:01:22	16/07/2024 11:01:26	4 seconds	Backup indexing		16/07/2024 10:00:15	Plugin was finished successfully	Plugin.Index	Backup indexing
121 entities processed, 0 items processed								
16/07/2024 11:00:01	16/07/2024 11:01:18	1 minute, 18 seconds	SharePoint backup job		16/07/2024 10:00:15	Entity indexing finished	Indexing of 'SKEDemo user' in 'OneDrive backup' finished.	Backup indexing
16/07/2024 11:00:01	16/07/2024 11:06:37	6 minutes, 37 seconds	Just in time backup		16/07/2024 10:00:15	Entity indexing finished	Indexing of 'Megan Bowen' in 'OneDrive backup' finished.	Backup indexing
16/07/2024 10:07:22	16/07/2024 10:07:26	4 seconds	Backup indexing		16/07/2024 10:00:15	Entity indexing finished	Indexing of 'Emma Kent' in 'OneDrive backup' finished.	Backup indexing
16/07/2024 10:00:03	16/07/2024 10:00:15	12 seconds	Backup indexing		16/07/2024 10:00:15	Entity indexing finished	Indexing of 'Pradeep Gupta' in 'OneDrive backup' finished.	Backup indexing
121 entities processed, 0 items processed								
16/07/2024 10:00:03	16/07/2024 10:07:21	7 minutes, 17 seconds	Just in time backup		16/07/2024 10:00:15	Entity indexing finished	Indexing of 'Isaiah Langer' in 'OneDrive backup' finished.	Backup indexing
					16/07/2024 10:00:15	Entity indexing finished	Indexing of 'Lidia Holloway' in 'OneDrive backup' finished.	Backup indexing
					16/07/2024 10:00:15	Entity indexing finished	Indexing of 'Henrietta Mueller' in 'OneDrive backup' finished.	Backup indexing

Sorting in System logs:

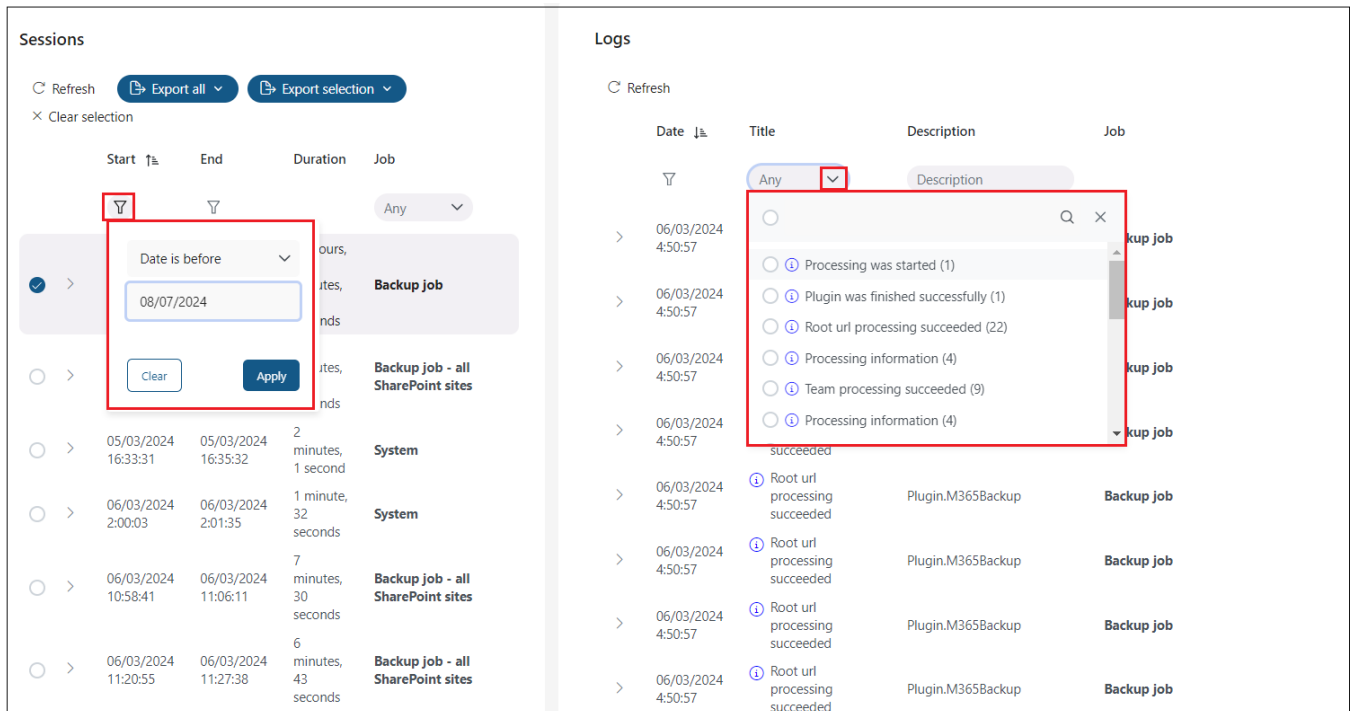
The **sorting** option is enabled in both the **Sessions** and **Session logs** tables. Click on the particular column name (Start and End columns in the Sessions table and Date column in the Session logs table), and the items will be displayed in reverse order.

Sessions					Logs			
Refresh Export all Export selection Clear selection					Refresh			
Start	End	Duration	Job		Date	Title	Description	Job
				Any		Any	Description	
05/03/2024 15:30:39	06/03/2024 4:50:57	13 hours, 20 minutes, 18 seconds	Backup job		06/03/2024 4:50:57	Plugin was finished successfully	Plugin.M365Backup	Backup job
05/03/2024 16:14:08	05/03/2024 16:31:43	17 minutes, 35 seconds	Backup job - all SharePoint sites		06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job
05/03/2024 16:33:31	05/03/2024 16:35:32	2 minutes, 1 second	System		06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job
06/03/2024 2:00:03	06/03/2024 2:01:35	1 minute, 32 seconds	System		06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job
06/03/2024 10:58:41	06/03/2024 11:06:11	7 minutes, 30 seconds	Backup job - all SharePoint sites		06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job
06/03/2024 11:20:55	06/03/2024 11:27:38	6 minutes, 43 seconds	Backup job - all SharePoint sites		06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job

Filtering in the System logs:

The user can filter on the System logs page by:

- clicking on the **funnel** icon – setting the condition and value in the dropdown list (e.g.: “Date is before 25/04/2024”)
- opening the dropdown menu and selecting from the available options, or by typing in a keyword (e.g. shown in the screenshot below).



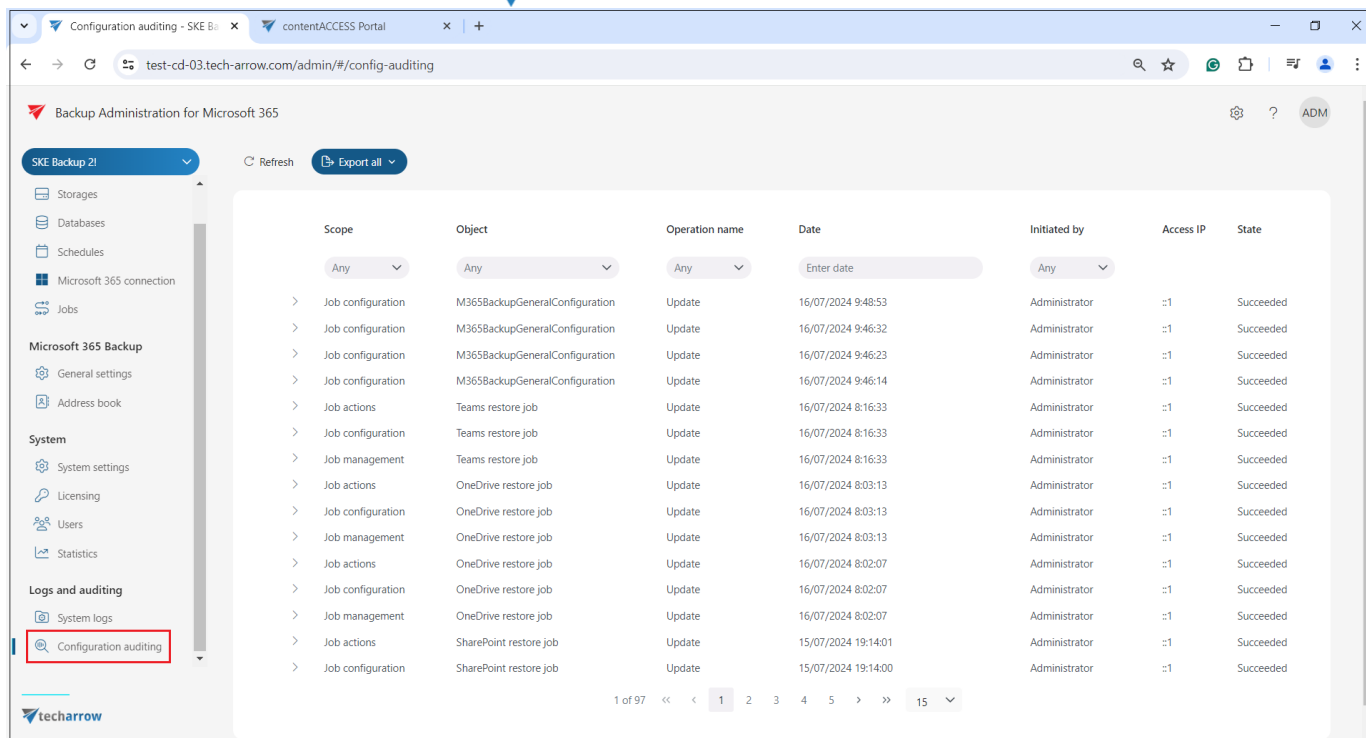
The screenshot displays the 'Sessions' and 'Logs' sections of a system interface. In the 'Sessions' section, a filter is applied: 'Date is before' with the value '08/07/2024'. The 'Logs' section shows a table with columns for Date, Title, Description, and Job. A dropdown menu is open over the 'Title' column, showing a search bar and a list of log entries. The entries include 'Processing was started (1)', 'Plugin was finished successfully (1)', 'Root url processing succeeded (22)', 'Processing information (4)', 'Team processing succeeded (9)', and 'Processing information (4)'. The 'Root url processing succeeded' entries are highlighted in blue.

Date	Title	Description	Job
06/03/2024 4:50:57	Any	Description	Backup job
06/03/2024 4:50:57	Processing was started (1)		Backup job
06/03/2024 4:50:57	Plugin was finished successfully (1)		Backup job
06/03/2024 4:50:57	Root url processing succeeded (22)		Backup job
06/03/2024 4:50:57	Processing information (4)		Backup job
06/03/2024 4:50:57	Team processing succeeded (9)		Backup job
06/03/2024 4:50:57	Processing information (4)		Backup job
06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job
06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job
06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job
06/03/2024 4:50:57	Root url processing succeeded	Plugin.M365Backup	Backup job

Configuration auditing

The **Configuration auditing feature** captures the configuration changes in Backup Administration. With this feature, you can discover which user made changes, what changes were made, and when they occurred.

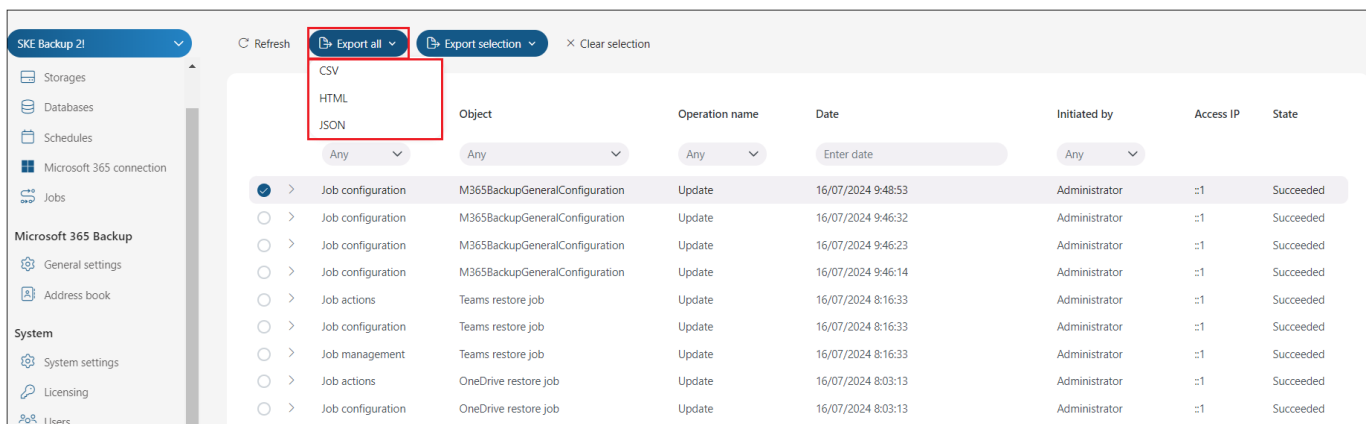
To view and search the auditing data, navigate to the **Configuration auditing** page.



The components of the **Configuration auditing** user interface:

Export all and Export selection buttons

The Export all button is always visible, while the Export selected button will only be activated when **single** or **multiple items** are selected. These functions make it easier to review the running operations by saving the logs into CSV, HTML, or JSON files. The report contains all necessary information (Scope, Object, Operation name, Date, Initiated by, Access IP, State) to provide the desired information.





Auditing data

This grid allows you to monitor the configuration changes in Backup Administration. Clicking the **Refresh** button reloads and catches the changes currently happening. With a single click on the **collapse/expand** button, you can see the changes that were made. If the old values/settings are known, both previous and new values/settings are displayed, allowing you to view all settings.

The filtering option is also available on the Configuration auditing tab. You can filter the **auditing entries** by:

- Scope – the aspects or areas of the changes in the Backup Administration (e.g. Storage configuration, Login management, Role assignment, etc.)
- Object – type of object (e.g. role, job, user, storage configuration)
- Operation name – monitored actions (such as create, update, delete)
- Date – when did the changes occurred
- Initiated by – the user who made the changes

The screenshot shows the auditing interface with the following table of entries:

Scope	Object	Operation name	Date	Initiated by	Access IP	State
Job configuration	Backup job	Update	Enter date	Administrator		
Job configuration	Backup job	Update	05/03/2024 15:30:39	Administrator	::1	Succeeded
Job configuration	Backup job	Update	05/04/2024 15:49:26	Administrator	::1	Succeeded
Job configuration	Backup job	Update	05/04/2024 15:49:45	Administrator	::1	Succeeded
Job configuration	Backup job	Update	05/04/2024 16:23:41	Administrator	::1	Succeeded
Job configuration	Backup job	Update	26/04/2024 8:46:35	Administrator	::1	Succeeded
Job configuration	Backup job	Update	21/05/2024 12:49:15	Administrator	::1	Succeeded

Below the table, a detailed view of the selected 'Update' operation is shown:

Old value	New value
Objects to backup	
id	882d6178-5ee9-4c28-ae85-a5e6d9db9751
Display name	Vanessa Kent
Additional data	Vanessa Kent@2h2hx3 Onmicrosoft Com
type	Mailbox