

# Metalogix<sup>®</sup> Archive Manager for Exchange 8.8

## **ArchiveWeb Guide**



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### Legend

 **CAUTION:** A caution icon indicates potential damage to hardware or loss of data if instructions are not followed.

 **IMPORTANT, NOTE, TIP, MOBILE OR VIDEO:** An information icon indicates supporting information.

Metalogix® Archive Manager for Exchange

Updated August 2023

Version 8.8

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# About ArchiveWeb

This application is used for viewing archived emails and files over the Internet. A user can access archived items through a web browser by navigating to the ArchiveWeb using the URL

`http://<ArchiveWebServerName>/archiveweb.`

With mobile device support your archive is at hand virtually anywhere. Mobile form factoring and simplified navigation contribute to the ease of use.

Functions:

- Browsing archived emails (archived by Archive Manager for Exchange) and files (archived by Archive Manager for Files)
- Keyword search (optional)
- Advanced search (optional) - allows searching for archived items using query-builder capabilities.
- Search template
- Export



**NOTE:** Native rehydration or exports are intended for small data sets. For operations on large data sets, use a specialized utility such as [Quadrotech Archive Shuttle](#) (QAS).

# Requirements

## System requirements

- Windows Server 2016 , Windows Server 2019 or Windows Server 2022
- .NET Framework 4.8 or higher (<https://dotnet.microsoft.com/en-us/download/dotnet-framework/thank-you/net48-web-installer>)

**i** **NOTE:** For the Windows servers listed above, verify that the **.NET Framework 4.5 Features / WCF Services / HTTP Activation** is selected under **Server Manager > Add Roles and Features Wizard**.

## Supported browsers

- Mozilla Firefox current version
- Google Chrome current version
- Opera current version
- Microsoft Edge current version

## IIS configuration

Verify that you have installed the fix for MVC applications as described in the link below to find the appropriate update according to your OS:

- <http://support.microsoft.com/kb/980368>

If you cannot browse the MVC application, try to register the framework for IIS by running the followings commands:

- %windir%\Microsoft.NET\Framework64\v4.0.30319\aspnet\_regiis.exe -ir
- iisreset

If required, uncheck **Require SSL** in IIS's SSL Settings for ArchiveWeb.

---

# Installation

Archive Manager ArchiveWeb must be installed on the same machine that hosts the Archive Manager for Exchange or Archive Manager for Files server. In a distributed deployment topology for Archive Manager for Exchange, choose the computer that hosts the Archive Manager for Exchange server with the **Archive server** role. Installing Archive Manager ArchiveWeb on another computer is not supported.

ArchiveWeb can be installed in one of two ways:

- automatically, by choosing the ArchiveWeb component from the unified product installer. This method installs ArchiveWeb on the same server where Archive Manager is installed.
- manually, using the *Archive Manager ArchiveWeb setup.exe* file. This method allows you to manually install ArchiveWeb on any web server in the domain where Archive Manager is installed.

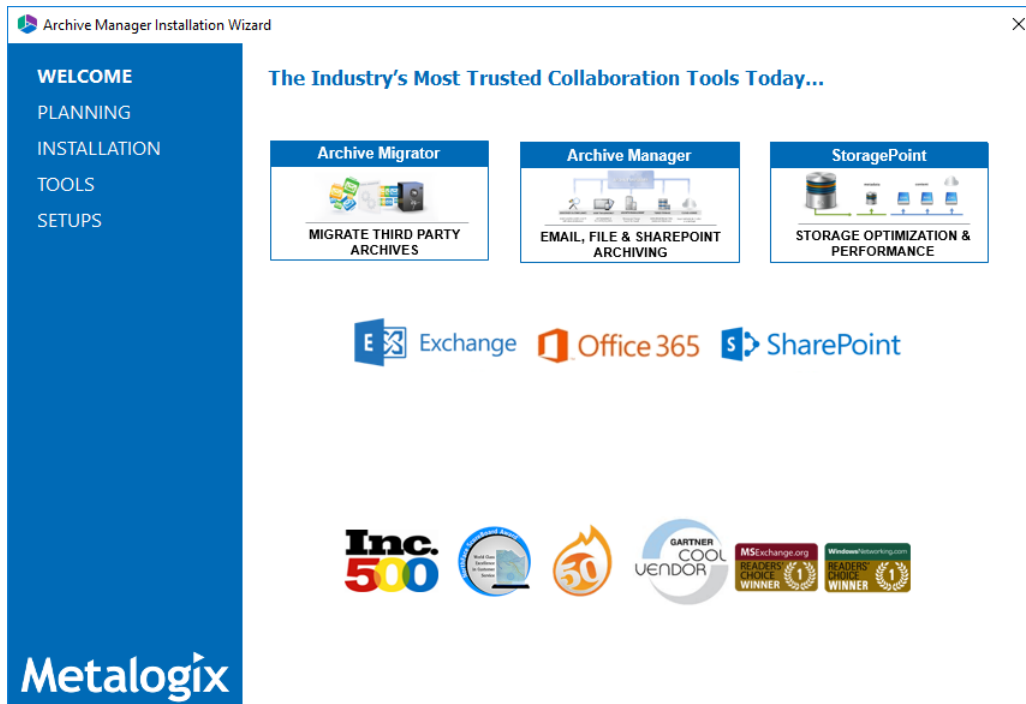
In this chapter:

- [Steps to install automatically with the product installer](#)
- [Steps to install manually with the ArchiveWeb installer](#)
- [Steps to verify the installation](#)

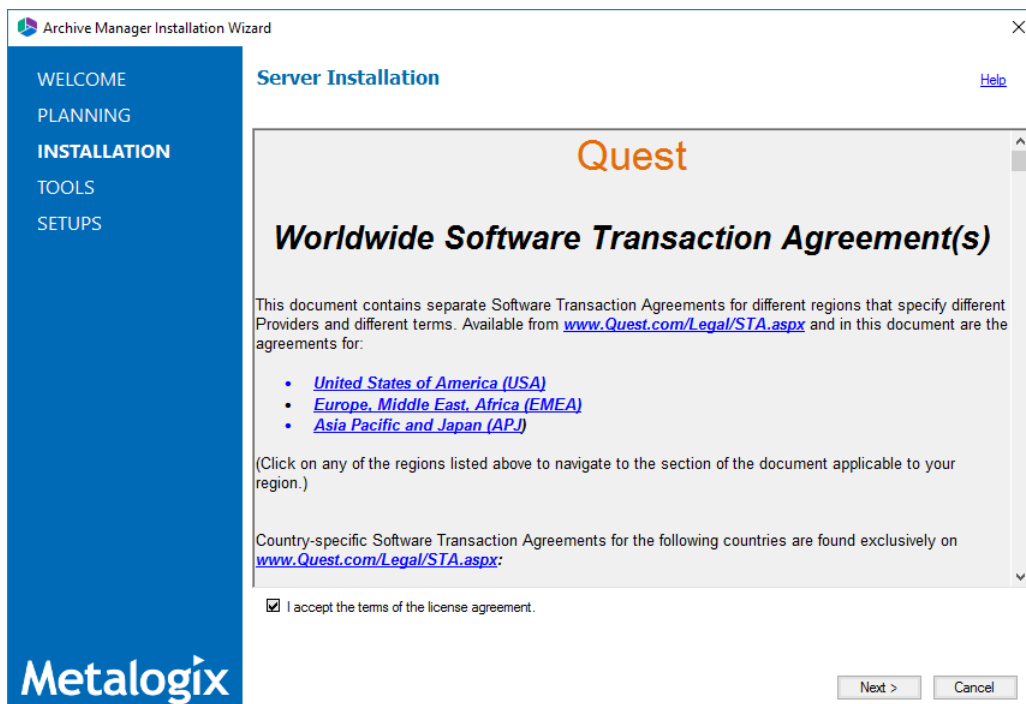
## Steps to install automatically with the product installer

1. Login with the credentials of the **enterprise administrator** (eg. **democorp\domadmin**) to the Archive Manager for Exchange server (designated as the *Archive* server in a distributed deployment).
2. Download and unzip the installer if it is not already available.

3. If the installer does not start immediately, run the **MAMInstaller.exe** from your install media folder. The *Welcome* window opens.

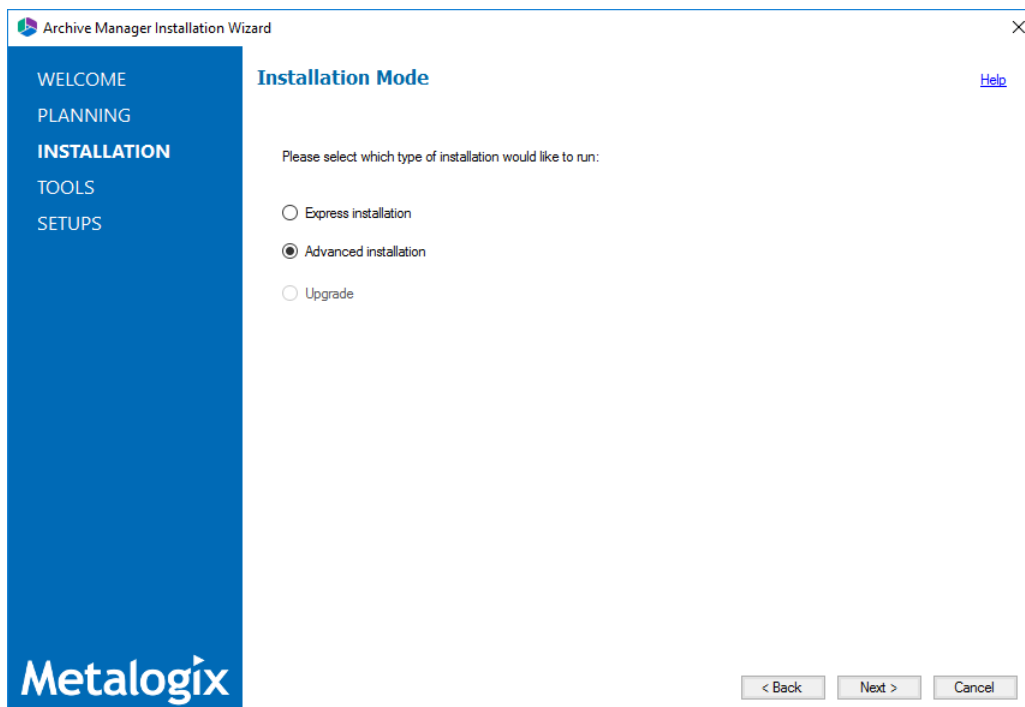


4. From the navigation panel on the left, click **INSTALLATION**. The *Server Installation* window opens.

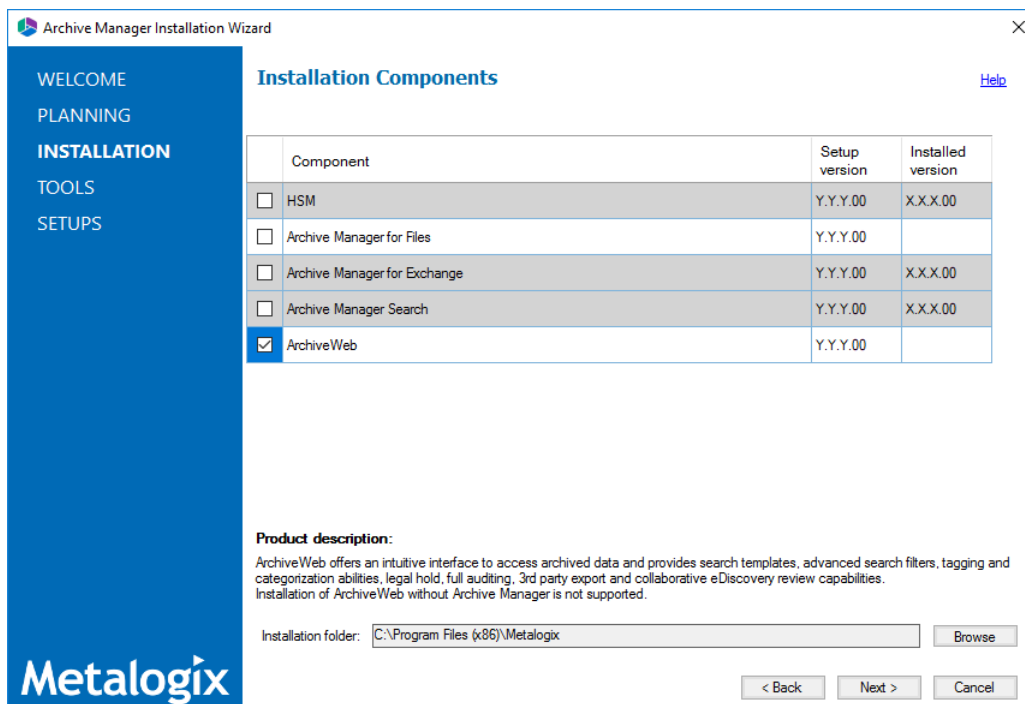


Read the **Software Transaction Agreement**. If you wish to proceed, select the **I accept the terms of the license agreement**.

5. Click **Next**. The *Installation Mode* window opens. Select the **Advanced installation** option

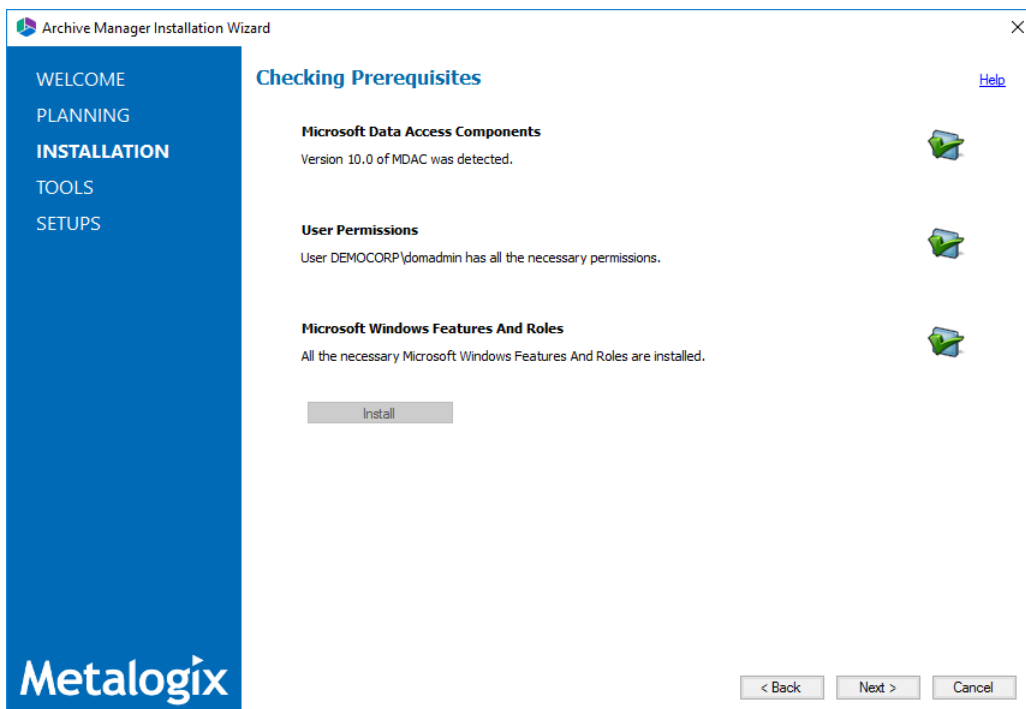


6. Click **Next**. The *Installation Components* window opens.

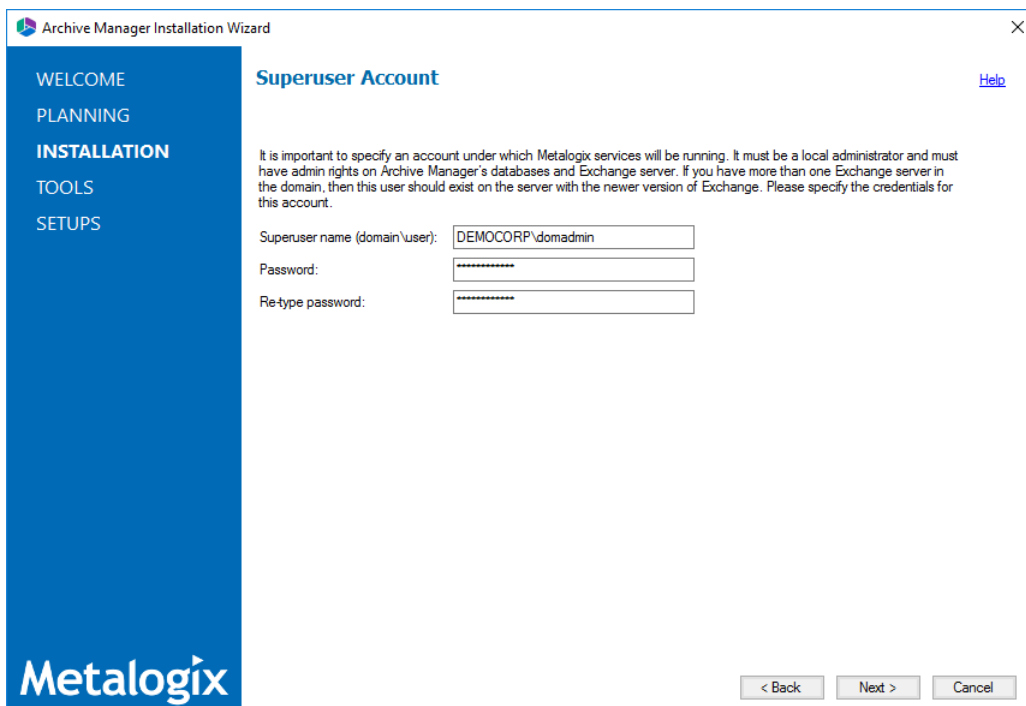


Verify that Archive Manager for Exchange is installed and then select **ArchiveWeb**. Click **Browse** to change the installation folder if necessary.

- Click **Next**. The *Checking Prerequisites* window opens.



- Click **Next**. The *Superuser Account* window opens.



Specify the **Superuser name** and **Password**. Enter the password again in the **Retype password** field.

- Click **Next**. The *ArchiveWeb Settings* window opens.

Archive Manager Installation Wizard

WELCOME  
PLANNING  
**INSTALLATION**  
TOOLS  
SETUPS

**ArchiveWeb Settings** [Help](#)

MultiTenant Web Service URL:

☒ Archive Manager for Exchange  
Exchange Web Service URL:

☐ Archive Manager for Files  
Files Web Service URL:

☒ Archive Manager Search  
Search URL:

☒ Archive Manager Auditing  
Auditing Server Name:   
Auditing Server Port:

< Back   Next >   Cancel

**Metalogix**

Specify the properties as described below:

**MultiTenant Web Service URL** - URL for MultiTenantWS web service

**Archive Manager for Exchange** - select this option to install web services for Archive Manager for Exchange.

**Exchange Web Service URL** - URL for ExchangePAMWS web service if Archive Manager for Exchange is installed.

**Archive Manager for Files** - select this option to install web services for Archive Manager for Files.

**Files Web Service URL** - URL for FilePAMWebService web service if Archive Manager for Files is installed.

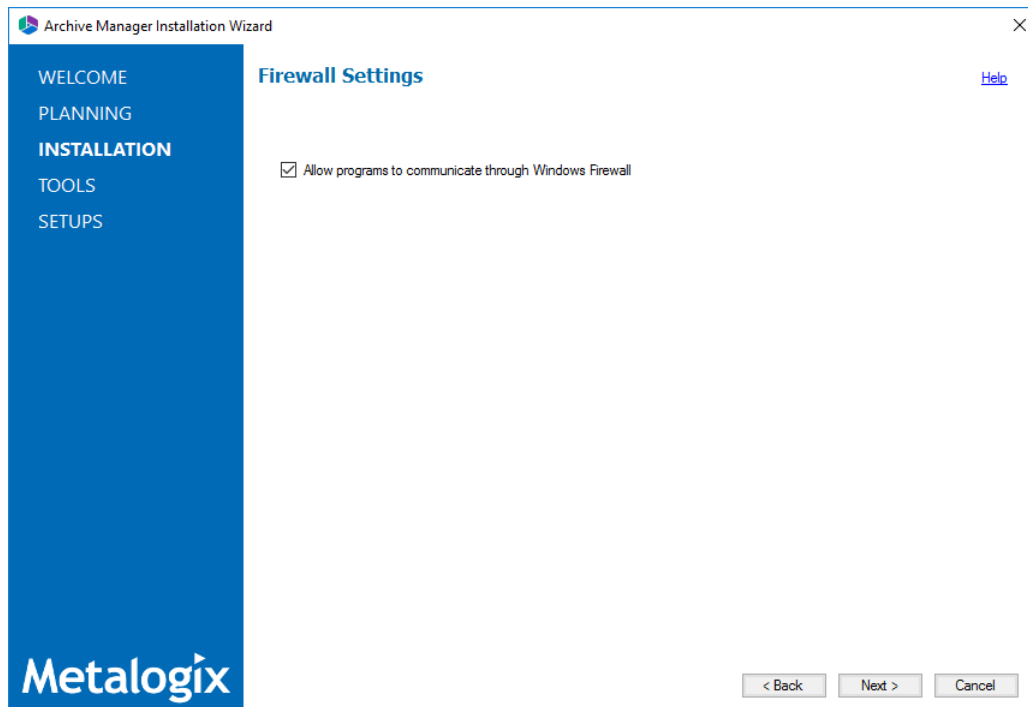
**Archive Manager Search** - select this option to install web services for Archive Manager Search.

**Search URL** - URL for PamSearch web service if Archive Manager Search is installed.

**Archive Manager Auditing** - select this option to specify the server details for Archive Manager Auditing.

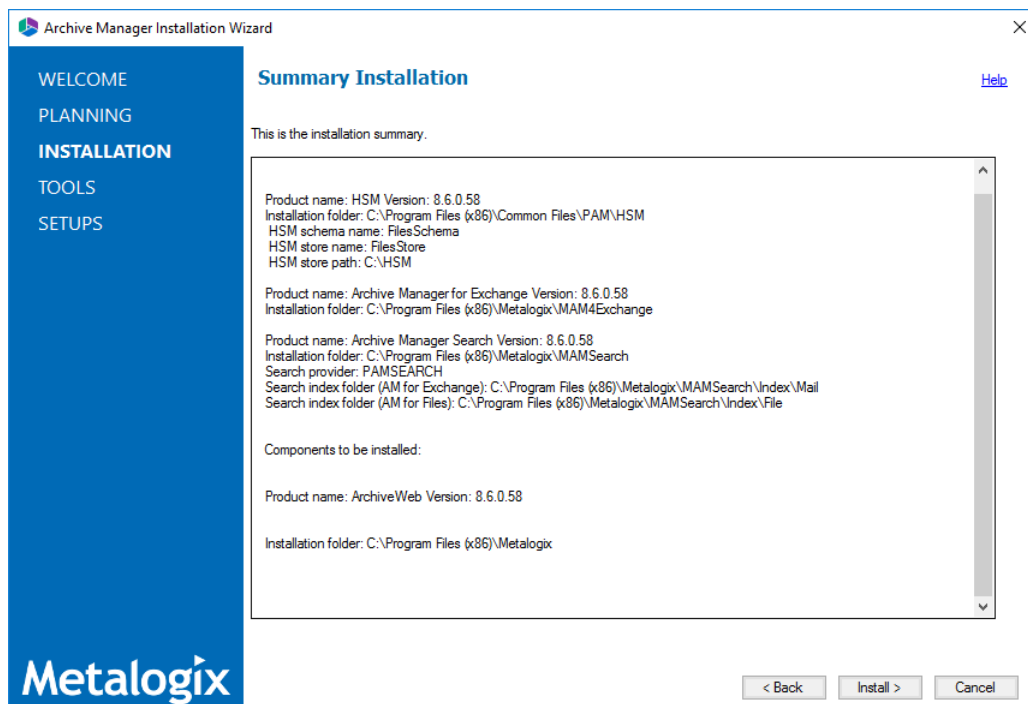
**Auditing server name & port** - specifications for the machine where auditing component is installed

10. Click **Next**. The *Firewall Settings* window opens.



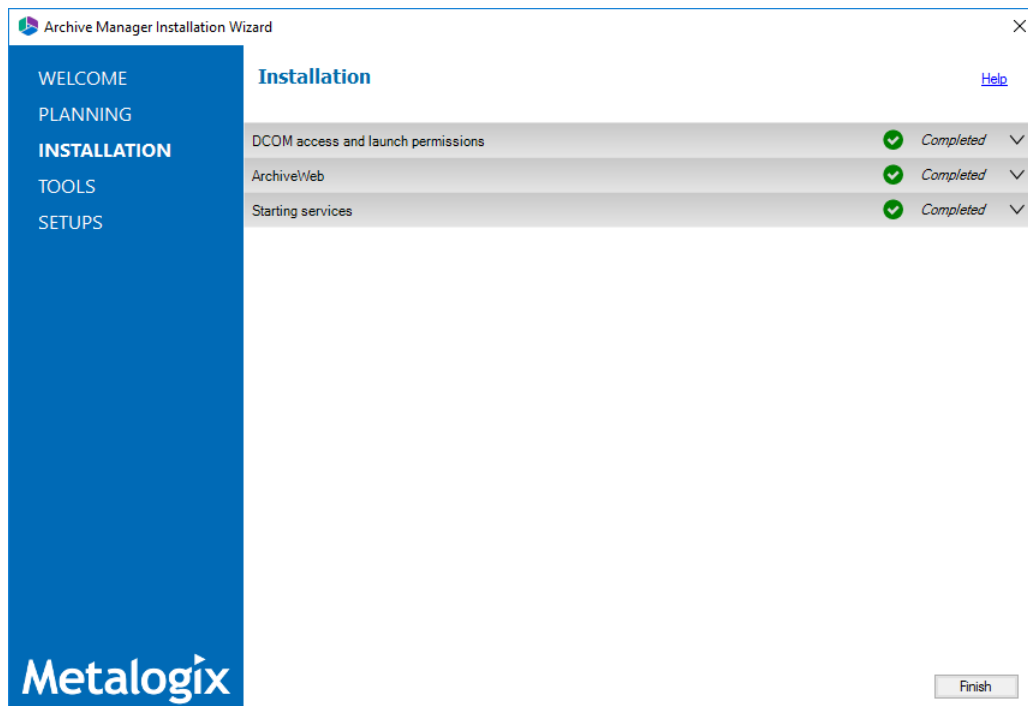
Select **Allow programs to communicate through Windows Firewall**. Metalogix Archive Manager for Exchange features will be then able to communicate through the firewall.

11. Click **Next**. The *Summary Installation* window opens. The installation summary displays settings you have specified in previous steps.

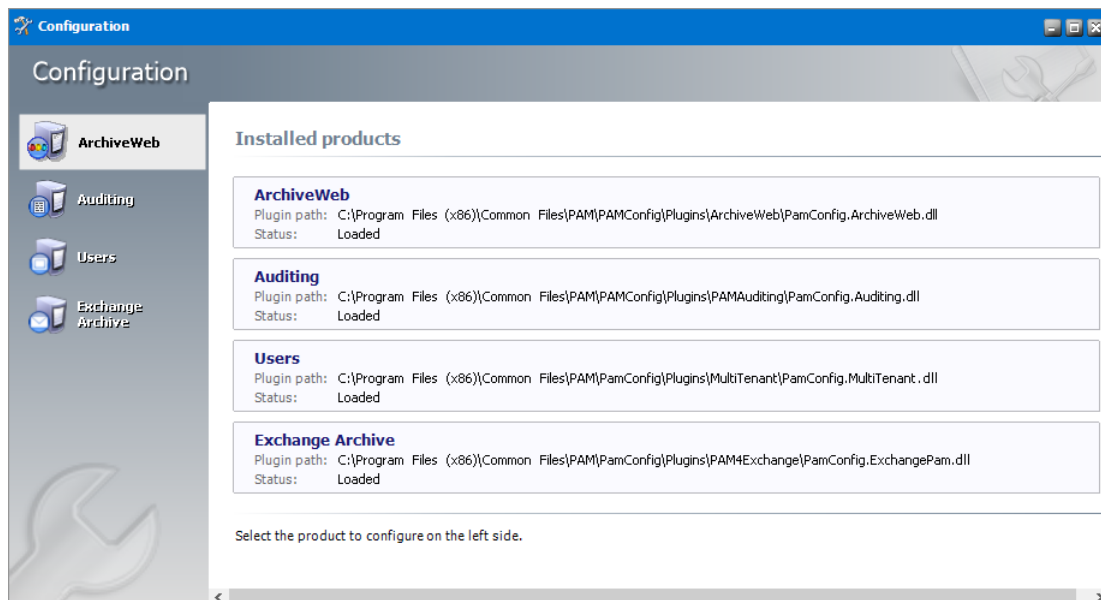




12. Click **Install** to start the installation. If a feature installation fails or completes with a warning, expand the row to view and address the problem.



13. Click **Finish** to complete the installation step.
14. To quickly verify the install, open **Start > Metalogix > Archive Manager Configuration**. The *Configuration* wizard opens and the **ArchiveWeb** tab is available..

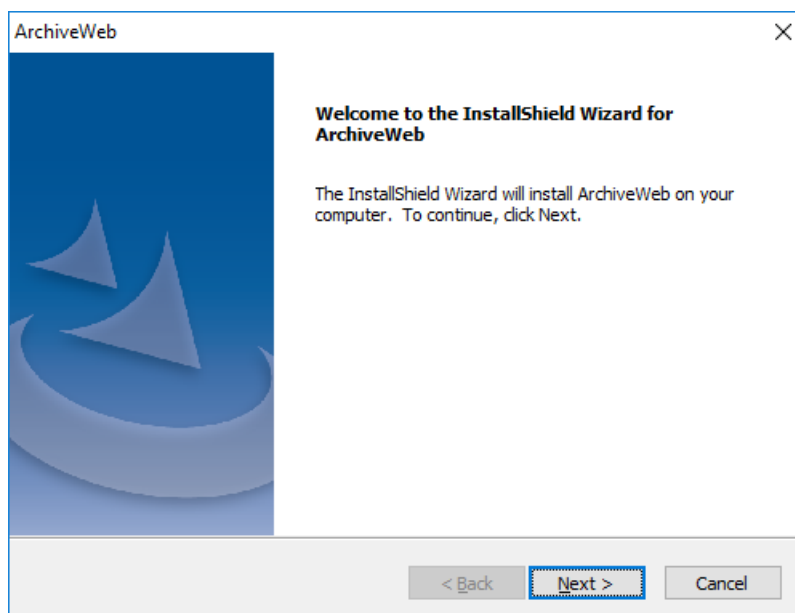


## Steps to install manually with the ArchiveWeb installer

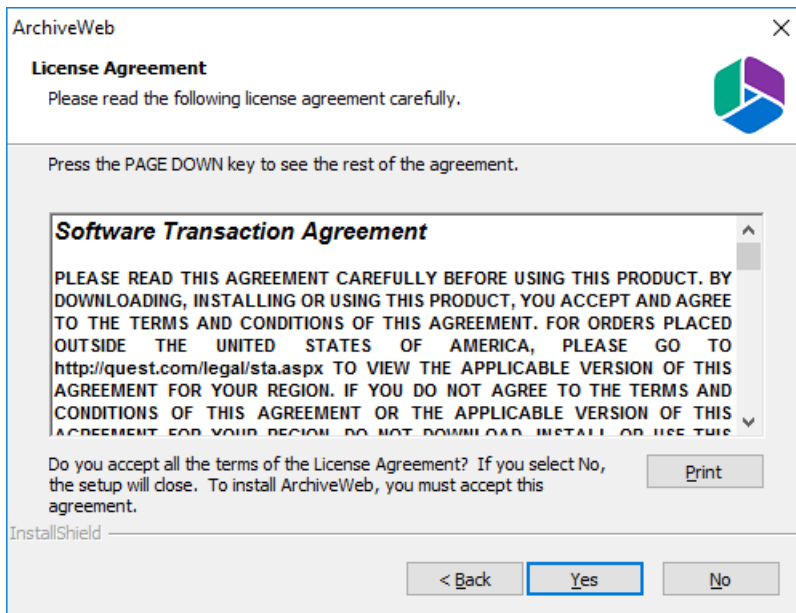
1. Login with the credentials of the **enterprise administrator** (eg. **democorp\domadmin**) to the Archive Manager for Exchange server (designated as the *Archive* server in a distributed deployment).
2. Download and unzip the installation package if it is not already available.
3. Open PowerShell in Administrator mode and install the server prerequisites by running the following command:

```
Install-WindowsFeature -Name NET-WCF-HTTP-Activation45, Web-Server, Web-Static-Content, Web-Http-Redirect, Web-Stat-Compression, Web-Dyn-Compression, Web-Windows-Auth, Web-Basic-Auth
```

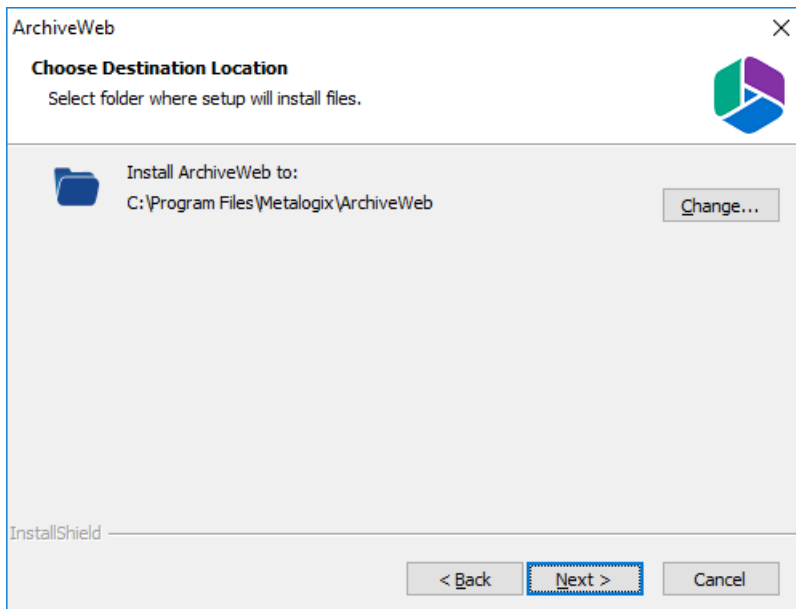
4. Run the setup file `<installer package folder>\ArchiveWeb\Archive Manager ArchiveWeb setup.exe` to start the ArchiveWeb installer wizard.



5. Click **Next**. Then *License Agreement* window opens.



6. Click **Next**. The *Choose Destination Location* window opens.



7. Click **Change** to choose another destination or click **Next** to continue. The *ArchiveWeb installation settings* window opens.

ArchiveWeb

**ArchiveWeb installation settings**

Which Archive Manager Edition is installed in your environment?

☒ Archive Manager for Exchange

☐ Archive Manager for Files

MultiTenant Web Service URL:

Exchange Web Service URL:

Files Web Service URL:

Note: If you select any option, the respective fields must be filled in before clicking Next.

InstallShield

< Back   Next >   Cancel

The properties are as described below:

- a. **Archive Manager for Exchange** - select this option to install features specific to Archive Manager for Exchange.
  - b. **Archive Manager for Files** - select this option to install features specific to Archive Manager for Files.
  - c. **MultiTenant Web Service URL** - location of the tenant web service on the web server. The default location is automatically specified.
  - d. **Exchange Web Service URL** - location of the ASP.NET Web service for the Archive Manager for Exchange features in ArchiveWeb. Activated only if **Archive Manager for Exchange** is selected.
8. Click **Next**. The *Component Integration* window opens.

ArchiveWeb

**ArchiveWeb installation settings**

Which Archive Manager component is installed in your environment?

☒ Archive Manager Auditing

Auditing Server Name:

Auditing Server Port:

☒ Archive Manager Search

Search URL:

Note: port number should be between 1 <-> 65535

InstallShield

< Back   Next >   Cancel

This window allows you to specify the details of the components installed in your environment that will be integrated with ArchiveWeb.

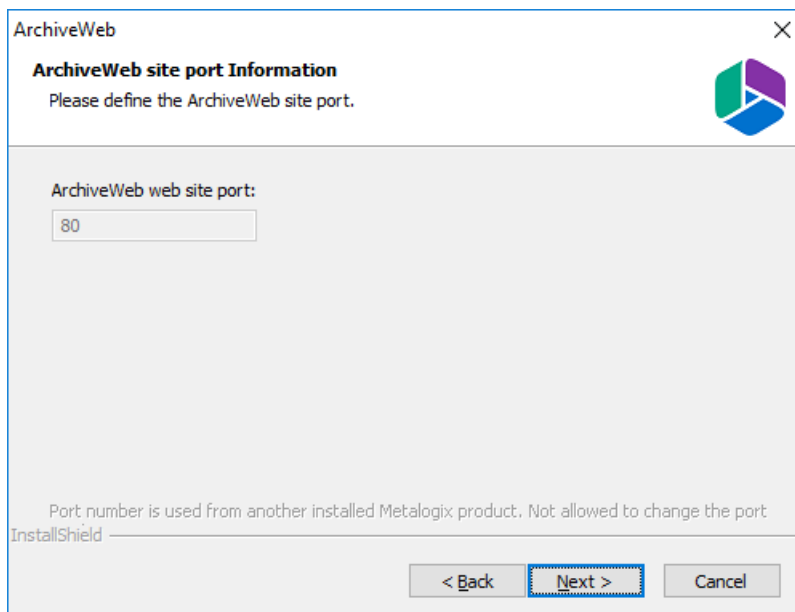
- a. **Archive Manager Auditing** - select this option if Archive Manager Auditing is installed in your environment.
- b. **Auditing Server Name** - name of the server where Archive Manager Auditing is installed.
- c. **Auditing Server Port** - port number of the Archive Manager Auditing feature. The default port number is 7783.

**i** **NOTE:** To find this information open the *Archive Manager Configuration* tool on your auditing server. Then open the *Connection* tab in the *Auditing* section.

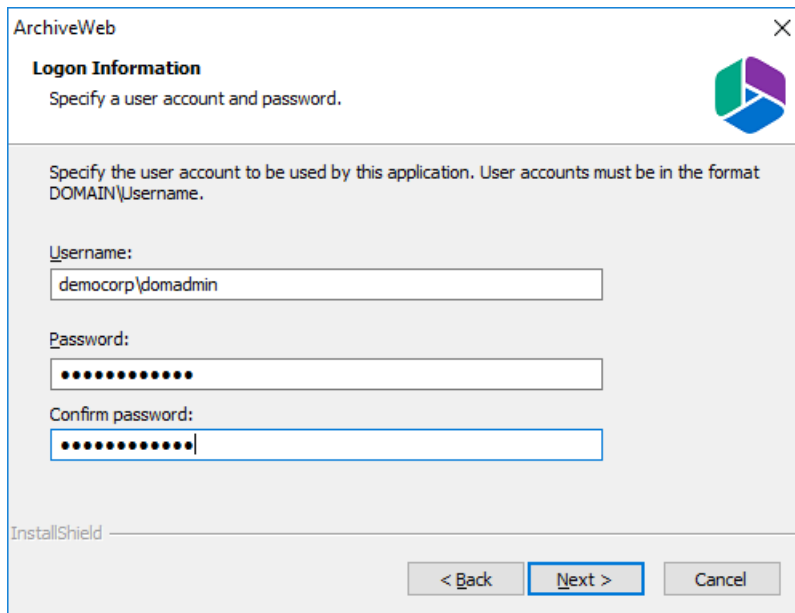
- d. **Archive Manager Search** - select this option if Archive Manager Search is installed in your environment.
- e. **Search URL** - the search URL used by the search feature in the format tcp://<search-server>:<search-port>/PamSearch.

**i** **NOTE:** To find this information open the *Archive Manager Configuration* tool on your auditing server. Then open the *Connection* tab in the *Auditing* section.

9. Click **Next**. The *ArchiveWeb site port* window opens.



10. Click **Next**. The *Logon Information* window opens.



ArchiveWeb

**Logon Information**  
Specify a user account and password.

Specify the user account to be used by this application. User accounts must be in the format DOMAIN\Username.

Username:  
democorp\domadmin

Password:  
●●●●●●●●

Confirm password:  
●●●●●●●●

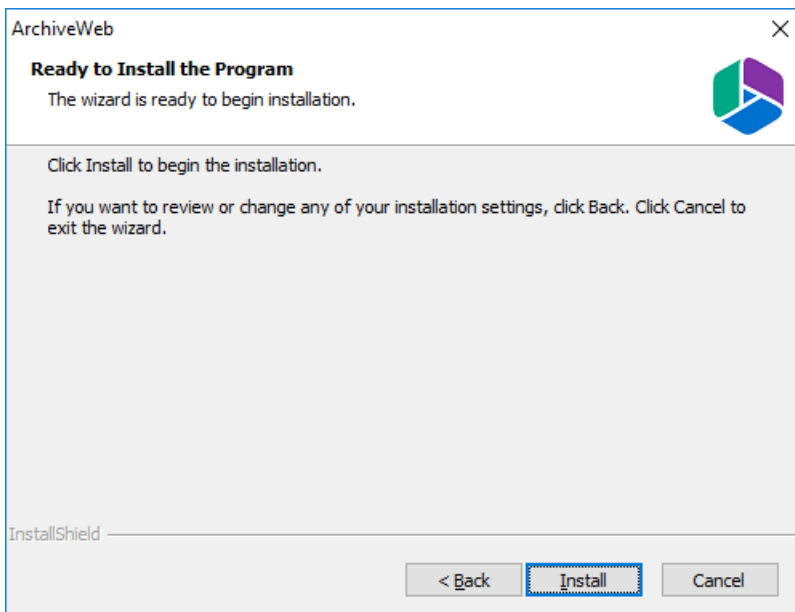
InstallShield

< Back Next > Cancel

Enter the account credentials as described below:

- Username** - username of the enterprise administrator in the format `domain\username`.
- Password** - password for the enterprise administrator.
- Confirm password** - re-enter the password for the enterprise administrator.

11. Click **Next**. The *Ready to Install the Program* window opens.



ArchiveWeb

**Ready to Install the Program**  
The wizard is ready to begin installation.

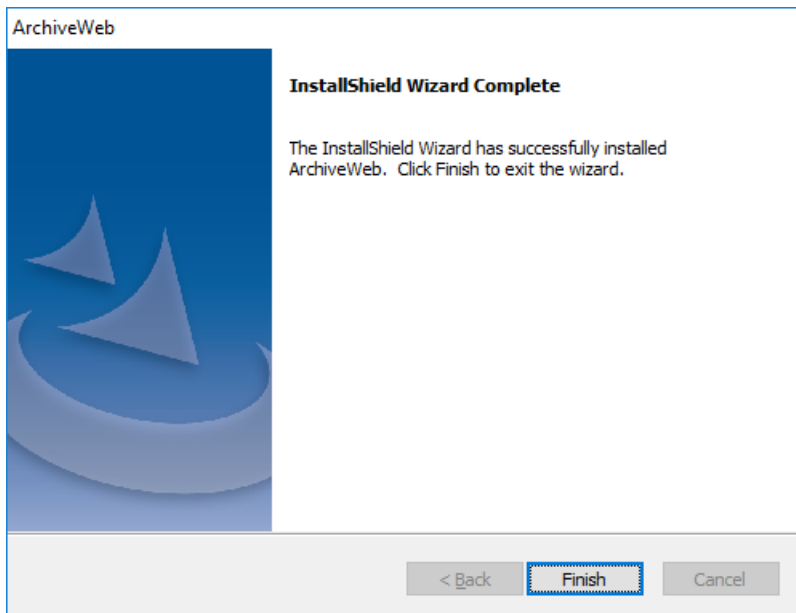
Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

InstallShield

< Back Install Cancel

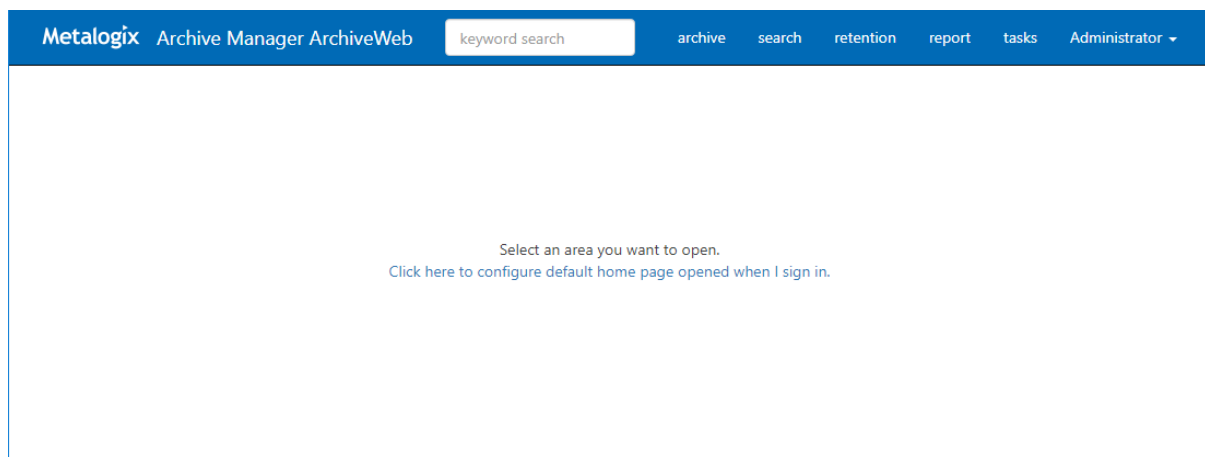
12. Click **Back** to review or revise the settings, or click **Install** to start the installation.



13. Click **Finish** to complete the setup and close the installer wizard. The *ArchiveWeb* section in the *Archive Manager Configuration* tool opens. For more information see [Configuration](#).

## Steps to verify the installation

1. Stop and restart the *Archive Manager for Exchange* services. If *Archive Manager for Files* is installed, then you must restart the services for this product as well.
2. Open a supported browser.
3. Enter the URL `<archive-manager-server-fqdn>/ArchiveWeb/Login`.
4. Verify that you can login and the ArchiveWeb page as shown below is loaded successfully.



---

# Configuration

In this chapter:

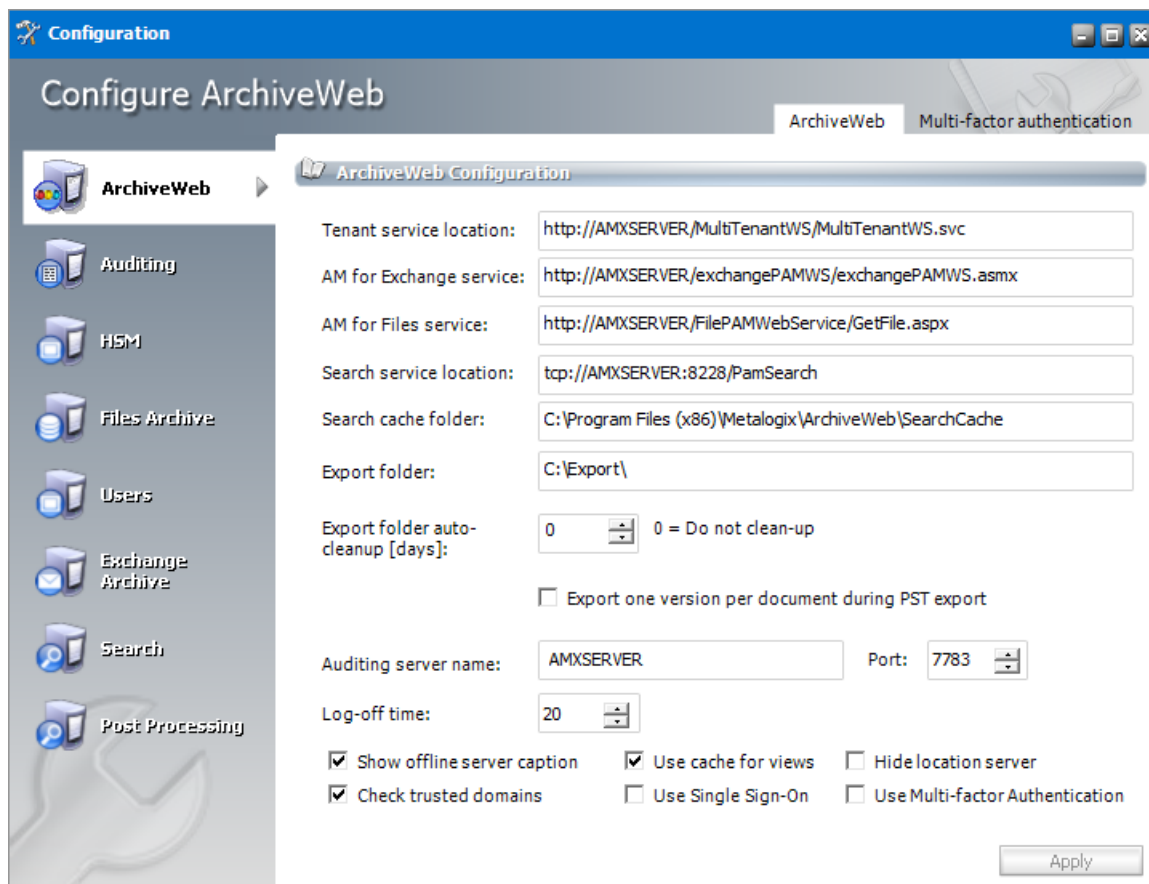
- [ArchiveWeb Setup](#)
- [Multi-factor Authentication](#)
- [Search Scopes](#)
- [General Data Protection Regulation](#)
- [Post-processing](#)

## ArchiveWeb Setup

ArchiveWeb is configured and ready for use right after installation. No user action is required. However, should the need arise, default configuration can be adjusted in Configuration tool.

The Configuration tool is available on the ArchiveWeb server under *<installdir>/Program Files (x86)/Common Files/PAM/PAMConfig/PamConfig.exe*. Its **ArchiveWeb** tab list available configuration options. (For more information on the **Multi-factor authentication** tab see the section *Multi-factor authentication (MFA)*.)





Specify the properties as described below:

**Tenant service location** - URL for MultiTenantWS web service

**AM for Exchange service** - URL for ExchangePAMWS web service if Archive Manager for Exchange is installed.

**AM for Files service** - URL for FilePAMWebService web service if Archive Manager for Files is installed.

**Search service location** - URL for PamSearch web service

**Search cache folder** - user's temporary storage folder to store e.g. messages downloaded from Exchange server for preview functionality

**Export folder** - folder where exported files (PST export, ZIP export) are stored (download link points to this folder)

**Export folder auto-cleanup [days]** - files older than the specified number of days will be deleted from the **Export folder**.

**Export one version per document during PST export** - indicates whether to export one version per document during PST export

**Auditing server name & port** - machine where auditing component is installed

**Log-off time** - time in minutes to log off when inactive

**Show offline server caption** - select this option to show [OFFLINE] suffix for decommissioned servers in servers' list if Archive Manager for Files is installed.

**Use cache for views** - select this option to cache all grid source data after first load so that operations on grid that do not change the data will be performed quicker.

**Hide location server** - unchecked by default; indicating whether to hide Location Server Name from user's mailbox displayed in Mailboxes tree-view; if not checked, Location Server Name will be displayed as a suffix to user's email, e.g. administrator@[VMMVC5]

**Check trusted domains** - select this option to check trusted domains and read information from trusted relationships. When unchecked the entire login process can be accelerated because no additional reads (from trusted domains) are performed

**Use Single Sign-On** - select this option to activate the Single Sign-On feature for ArchiveWeb login.

**Use Multi-factor authentication** - select this option to activate the fields in the *Multi-factor authentication Configuration* window. See [Multi-factor Authentication](#) for more details.

## Multi-factor Authentication

ArchiveWeb supports multi-factor authentication (MFA) for O365 user accounts. Setting up MFA is a two-step process:

1. [Create a new application in the Azure portal](#).
2. [Configure ArchiveWeb with the Archive Manager configuration tool](#).

### Create a new application in the Azure portal

ArchiveWeb requires a specific Azure site to be created that is used to return an authentication token back to the ArchiveWeb after a user is authenticated via Microsoft portal.

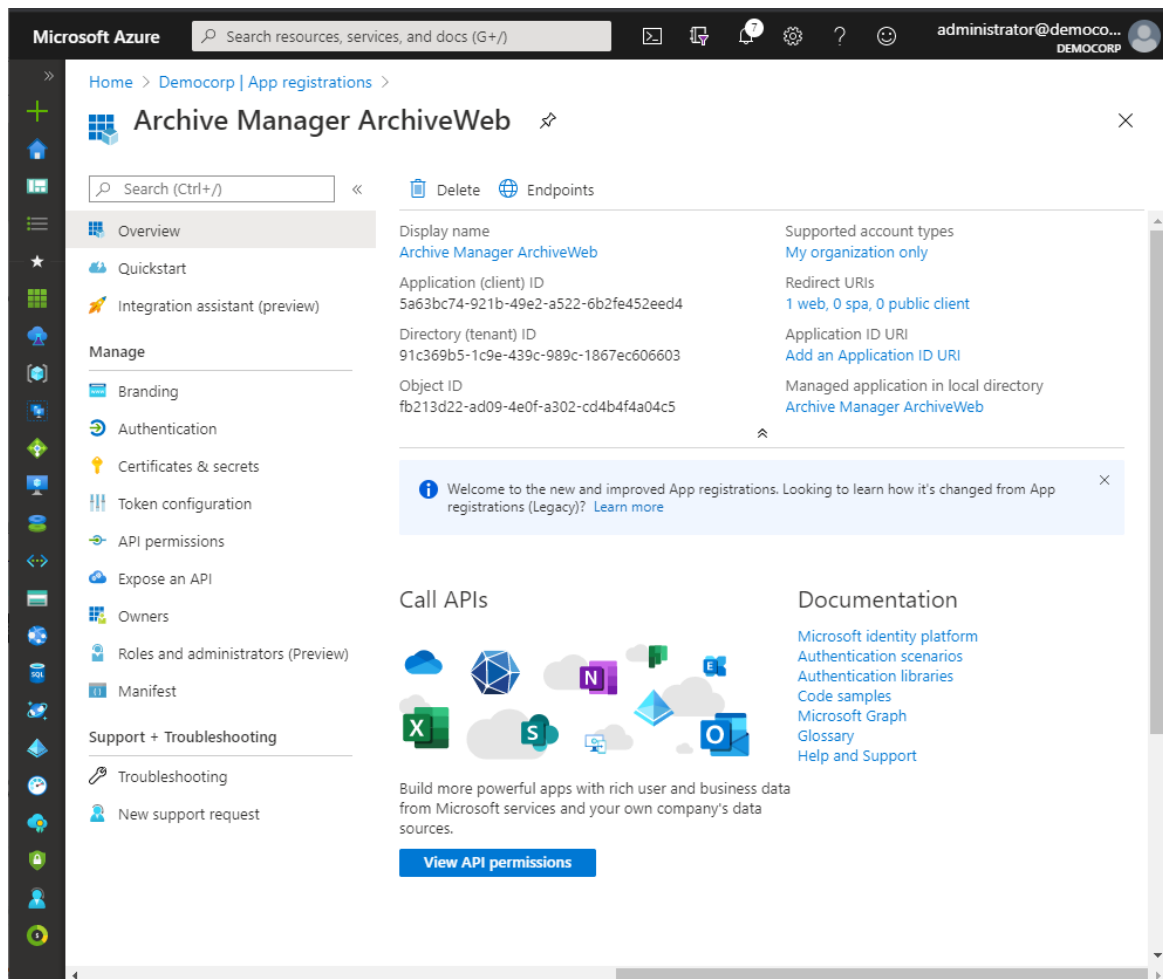
1. Login to your Azure Portal using your administrator credentials (<https://portal.azure.com>). If your account gives you access to more than one tenant, select your account in the top right corner, and set your portal session to the Azure AD tenant that you want.
2. In the left-hand navigation pane, select the **Azure Active Directory** service, and then select **App registrations > New registration**. The *App registrations* page appears.
3. Click **New registration**. The *Register an Application* page appears.

The screenshot shows the 'Register an application' page in the Microsoft Azure portal. The browser address bar shows the URL: `portal.azure.com/#blade/Microsoft_AAD_IAM/ActiveDirectoryMenuBlade/RegisteredApps`. The page title is 'Register an application'. The 'Name' field is labeled '\* Name' and contains the text 'Archive Manager ArchiveWeb'. Below it, a description states: 'The user-facing display name for this application (this can be changed later)'. The 'Supported account types' section is titled 'Who can use this application or access this API?' and has three radio button options: 'Accounts in this organizational directory only (Quest only - Single tenant)' (selected), 'Accounts in any organizational directory (Any Azure AD directory - Multitenant)', and 'Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)'. A link 'Help me choose...' is provided. The 'Redirect URI (optional)' section has a description: 'We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.' The 'Web' option is selected in the dropdown, and the URI field contains 'https://amxserver.democorp.com/ArchiveWeb/Login'. At the bottom, there is a link 'By proceeding, you agree to the Microsoft Platform Policies' and a blue 'Register' button.

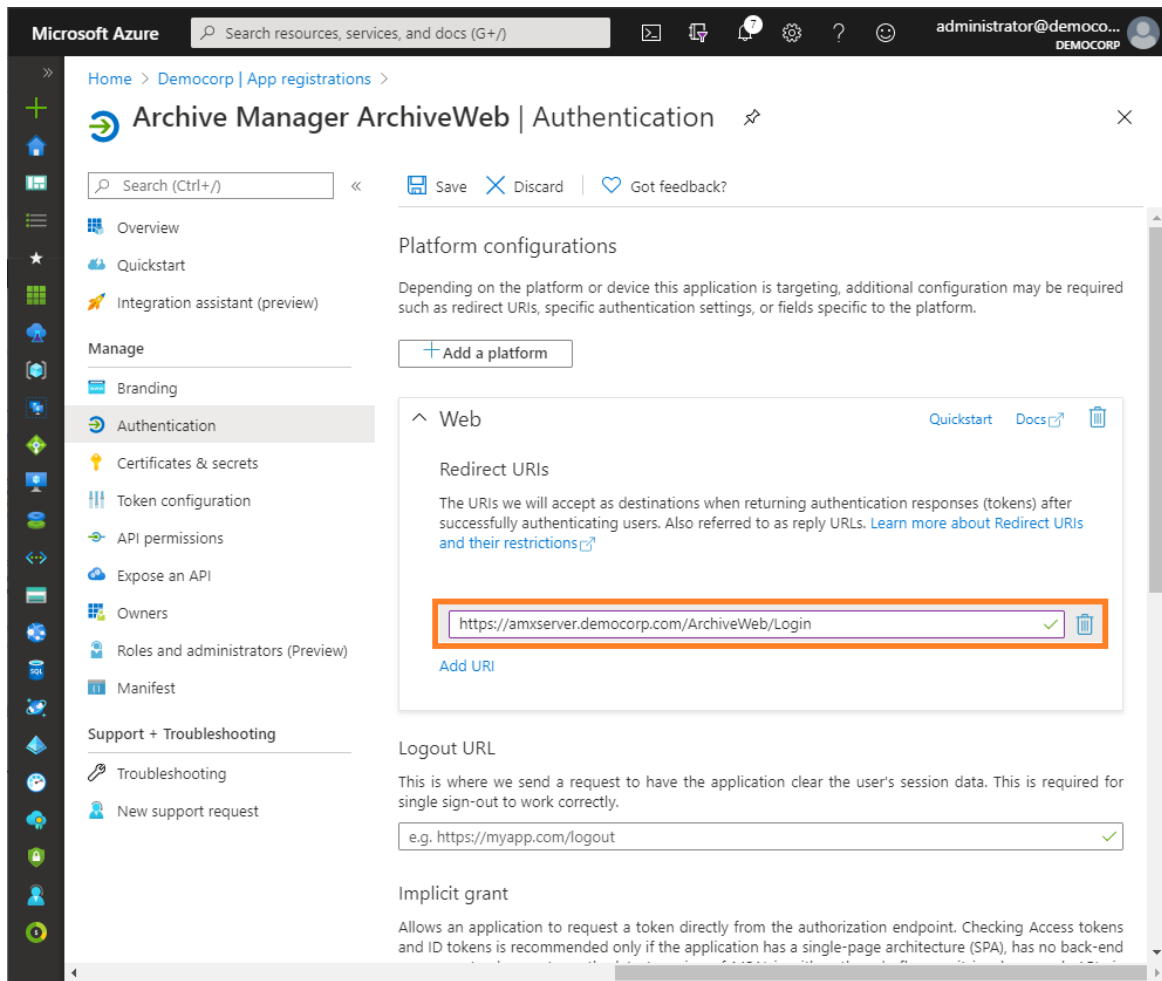
4. Provide the information on this page as described below:
- Name** - Enter a meaningful application name that will be displayed to users. For example, **Archive Manager ArchiveWeb**.
  - Supported account types** - Select the account type you would like your application to support that best meets your company policy.
  - Redirect URI** - from the *application type* dropdown select **Web**. In the URI field enter the ArchiveWeb URI where the user will be redirected after multi-factor authentication (eg. `https://<fullservername>/ArchiveWeb/Login`)

- i NOTE:** The HTTPS protocol is required for MFA to work with O365. To ensure the HTTPS can be used, follow the steps below;
1. On the ArchiveWeb server, open the IIS Management Console.
  2. Expand the server node and then expand the Sites node.
  3. Select Default Web Site and right-click to open the context menu. Then select Edit Bindings. The Site Bindings window opens.

4. Click **Add**. The Add Site Bindings window opens.
  5. Select **https** from the Type dropdown and fill in the other details as required.
  6. Click **OK** to save the https site binding.
  7. Restart the IIS service from the server node and then close the IIS Management console.
5. Click **Register**. Azure AD assigns a unique application (client) ID to your app, and the application's *Overview* page opens.



6. From the navigation menu, click **Branding**. Enter the URLs that your organization may use for the different branding artifacts.
7. From the navigation menu, click **Authentication** and verify that the Redirect URI parameters are as expected.



8. From the navigation menu, click **Certificates & Secrets**.
9. In the *Client secrets* section click **New client secret**. the Add a client secret page opens.

Add a client secret

Description

ArchiveWeb Client Secret

Expires

☐ In 1 year
☐ In 2 years
☒ Never


Add

Cancel

10. Enter values as described below:
  - a. **Description** - enter a meaningful description. For example, ArchiveWeb Client Secret.
  - b. **Expires** - set the expiry term that best meets your company policy.
11. Click **Add**. the client secret is displayed on the Certificates & Secrets page.

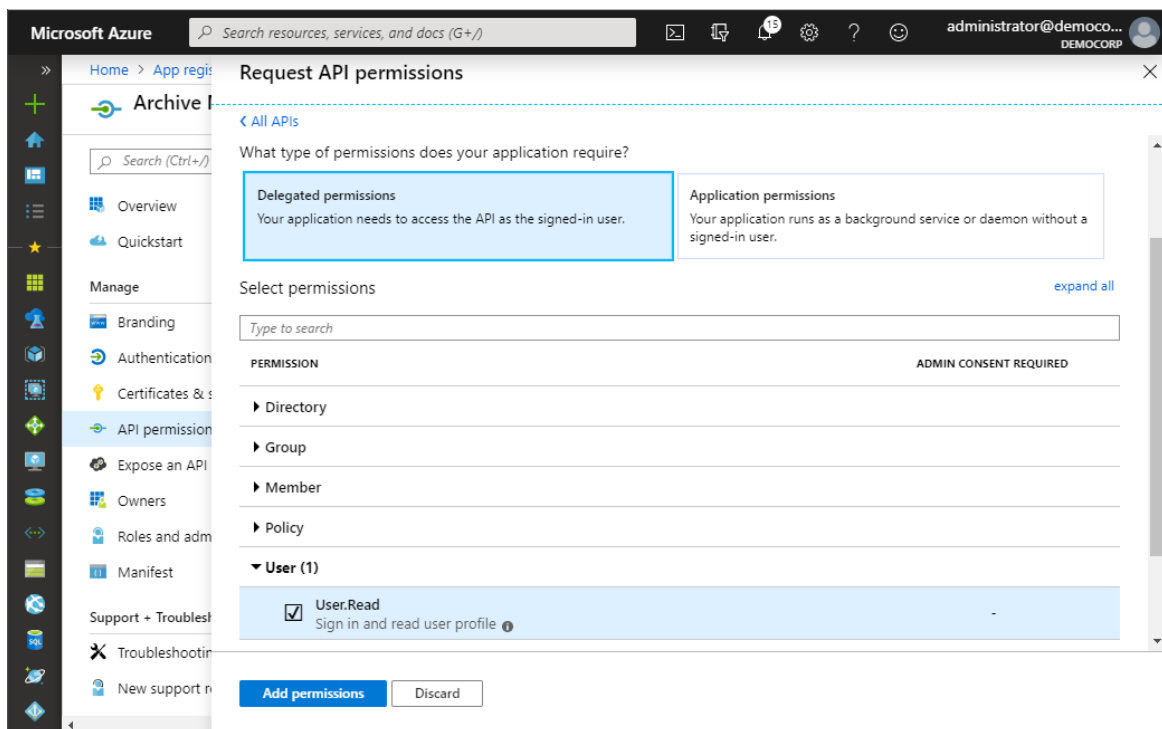
**IMPORTANT:** Copy and save the client secret in a safe place. It will not be available when you navigate away from this Azure blade.

12. From the navigation menu, click **API Permissions**, and then click **Add a permission**. The *Request API permissions* page appears.
13. From the **Microsoft APIs** category, scroll down to the *Supported legacy APIs* section and select **Microsoft Graph**.



**Microsoft Graph**  
Take advantage of the tremendous amount of data in Office 365, Enterprise Mobility + Security, and Windows 10. Access Azure AD, Excel, Intune, Outlook/Exchange, OneDrive, OneNote, SharePoint, Planner, and more through a single endpoint.

14. From the *Request API permissions* page for Azure Active Directory Graph that appears, select **Delegated permissions**.



Microsoft Azure

Search resources, services, and docs (G+)

administrator@democo... DEMOCORP

Home > App registrations > Request API permissions

< All APIs

What type of permissions does your application require?

**Delegated permissions**  
Your application needs to access the API as the signed-in user.

**Application permissions**  
Your application runs as a background service or daemon without a signed-in user.

Select permissions [expand all](#)

Type to search

PERMISSION ADMIN CONSENT REQUIRED

Directory

Group

Member

Policy

▼ User (1)

☒ User.Read  
Sign in and read user profile

[Add permissions](#) [Discard](#)

15. Click **Add permission**.
16. From the navigation menu, click **Expose an API**.
17. In the *Scopes defined* section, click **Add a scope**. The *Add a scope* page opens.

**Add a scope** [X]

You'll need to set an Application ID URI before you can add a permission. We've chosen one, but you can change it.

\* Application ID URI ⓘ

api://85868bd2-51e9-45d9-b6ca-f482ba3889c1

[Save and continue] [Cancel]

18. Microsoft Azure generates an Application ID URI automatically. It is a globally unique URI used to identify this web API. It is the prefix for scopes and in access tokens, and is also referred to as an identifier URI. You can keep this value or specify a unique value in the same format.

**i** | **IMPORTANT:** Copy and save this value in a safe place.

19. Click **Save and continue**. The *Add a scope* page displays more options.

**Add a scope** [X]

\* Scope name ⓘ

Messages.Read ✓

api://85868bd2-51e9-45d9-b6ca-f482ba3889c1/Messages.Read

Who can consent? ⓘ

[Admins and users] [Admins only]

\* Admin consent display name ⓘ

Read access to user messages ✓

\* Admin consent description ⓘ

Allow application to read user messages ✓

User consent display name ⓘ

Grant read access to my messages ✓

User consent description ⓘ

Allow application to read my messages

State ⓘ

[Enabled] [Disabled]

[Add scope] [Cancel]

20. Click **Add scope** to complete the registration.

## Configure ArchiveWeb with the Archive Manager configuration tool

1. Open the Archive Manager Configuration Tool from *C:\Program Files (x86)\Common Files\PAM\PAMConfig\PamConfig.exe*

2. From the sidebar, click **ArchiveWeb**.
3. Click the **ArchiveWeb** tab. The *ArchiveWeb Configuration* page appears.

**Configure ArchiveWeb**

ArchiveWeb Multi-factor authentication

**ArchiveWeb Configuration**

Tenant service location:

AM for Exchange service:

AM for Files service:

Search service location:

Search cache folder:

Export folder:

Export folder auto-cleanup [days]:  0 = Do not clean-up

☐ Export one version per document during PST export

Auditing server name:  Port:

Log-off time:

☒ Show offline server caption ☒ Use cache for views ☐ Hide location server

☒ Check trusted domains ☐ Use Single Sign-On ☒ **Use Multi-factor Authentication**

Apply

4. Select **Use Multi-factor Authentication** to activate the fields in the *Multi-factor authentication Configuration* window.
5. Click the **Multi-factor authentication** tab. The *Multi-factor authentication Configuration* window appears.

**Configure ArchiveWeb**

ArchiveWeb Multi-factor authentication

**Multi-factor authentication Configuration**

Organization name in Office365 (org.onmicrosoft.com)

Client ID (see Azure application)

Client Secret (see Azure application)

Apply

6. Enter the field values as described below:
  - a. **Organization Name in Office365** - enter the name of your O365 organization URL. For example, *democorp.onmicrosoft.com*



- b. **Client ID** - enter the Client Id that you saved from the Azure application registration steps.
- c. **Client Secret** - enter the Client Secret that you saved from the Azure application registration steps.

7. Click **Apply**.



#### IMPORTANT:

When at least one user in an organization has MFA set, the Organization, Client ID and Client Secret should be set in Multi-factor authentication tab as a readiness exercise.

If only a few users in your organization have MFA activated, the **Use Multi-factor Authentication** checkbox should remain unchecked. The settings in the *Multi-factor authentication* tab will persist when the **Use Multi-factor Authentication** checkbox is unchecked. The users who have MFA activated will be prompted to enter the credentials (user email and password) and then they will be redirected to the Microsoft site where the user has to authenticate again. After a successful authentication by Microsoft, the user will be redirected back to ArchiveWeb.

When all users accounts in an organization have MFA activated, the **Use Multi-factor Authentication** checkbox can be selected. This will allow ArchiveWeb to use multi-factor authentication for all users that log in to ArchiveWeb. Users will be prompted to enter only the login email address and they will be redirected to the Microsoft login form to finish the login process.

## Search Scopes

The Archive Manager Search installer installs the Search and Post Processing services which allows a user to search and run specific tasks on each archived message. Search scopes must be configured to allow searching for archived emails with ArchiveWeb. A search scope is a specified Archive server.



**NOTE:** If you install Archive Manager for Exchange with the Express or Advanced installation option, the Search Scope is automatically configured for you. If you install Archive Manager for Exchange manually, you must configure the Search Scope manually.

## Steps to add Search Scopes

1. From the feature panel on the left in the *Configuration* wizard, click **Search** and select the **Search Scopes** tab.
2. Click **Add**. The *Add Search scope* window opens.

Enter the information and described below:

- a. **Server name** - name of the primary Archive Manager for Exchange server (eg. AMXSERVER) where the role will be set to **Archive** server.
- b. **Type** - Select Exchange Archive Server.
3. Click **Next**. The *Set up the Archive database connection* window opens.
4. If the database already exists, click **Import**. Otherwise click **Configure** to setup the Archive Manager for Exchange database. The *Database Connection Wizard* opens.

5. Select either **Microsoft SQL Server** or **Oracle** and click **Next**. The database connection information window opens for the selected database.

**Database configuration**

Database Connection Wizard

Set up your Microsoft SQL Server connection.

Please enter parameters which will be used to create a connection to your Microsoft SQL Server.

Server name:

Initial catalog:

Schema name:

Authentication:

Username:

Password:

< Back   Next >   Cancel

*For Microsoft SQL Server*

- a. **Server name** - name of the SQL server (eg. **AMXDB**)
- b. **Initial catalog** - name of the Archive Manager for Files database (e.g. **MAMEXCH** which is the default name of the Archive Manager for Files database)
- c. **Schema name** - name of the SQL Schema (e.g. **dbo**)
- d. **Authentication** – authentication type used for the database. Choose either **Windows authentication** or **SQL Server authentication**
- e. **Username** - database login username if *SQL Server authentication* is the selected as the authentication mode.
- f. **Password** - password of the database user if *SQL Server authentication* is the selected as the authentication mode.

*For Oracle*

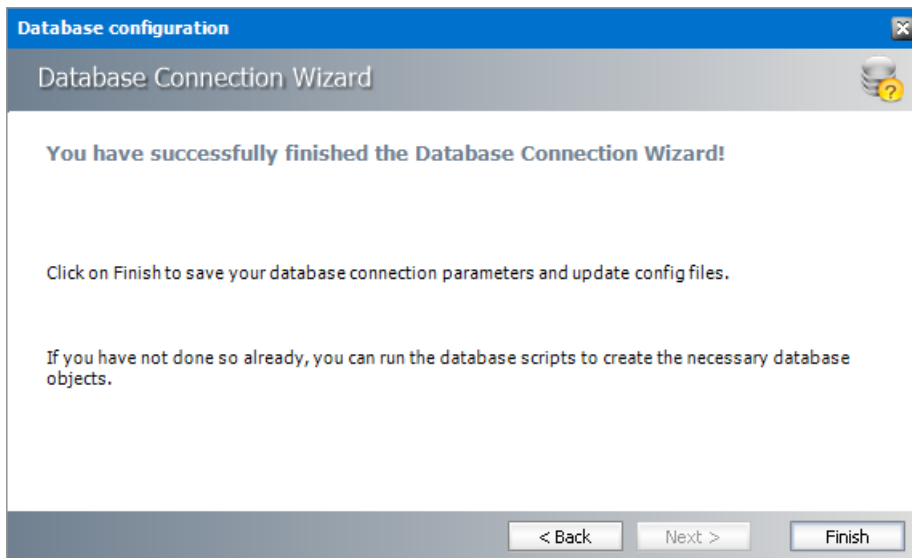
- a. **Oracle net name** - net service name that describes the network address of the HSM database in your `tnsnames.ora` file (eg. **AMXDB**)
  - b. **Schema** - name of the Archive Manager for Files database (e.g. **MAMEXCH** which is the default name of the Archive Manager for Files database)
  - c. **Username** - database login username
  - d. **Password** - password of the database user
6. Click **Next** and then click **Yes** on the confirmation dialog that opens.

**Database configuration**

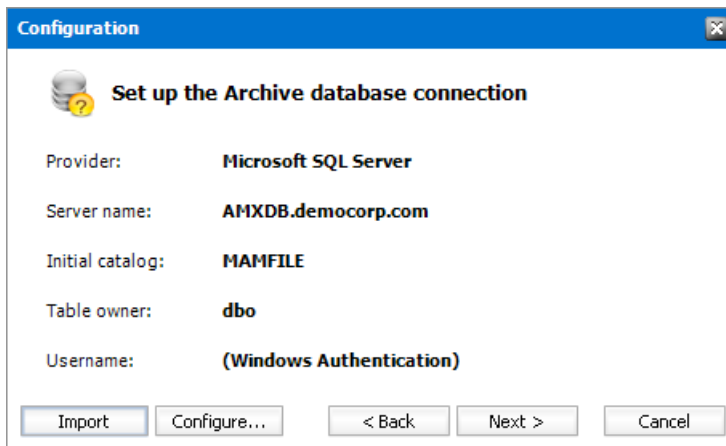
Database does not exists on the server. Shall we try to create it?

Yes   No

7. If the database connection is setup successfully, the configuration confirmation window opens.



8. Click **Finish** to close the *Database Connection* wizard. The *Set up the Archive database connection* window reopens.



9. Click **Next**. The *Setup the Index database connection* window opens.
10. If the database already exists, click **Import**. Otherwise click **Configure** to setup the Index database connection. The *Database Connection Wizard* opens.

11. Select either **Microsoft SQL Server** or **Oracle** and click **Next**. The database connection information window opens for the selected database.

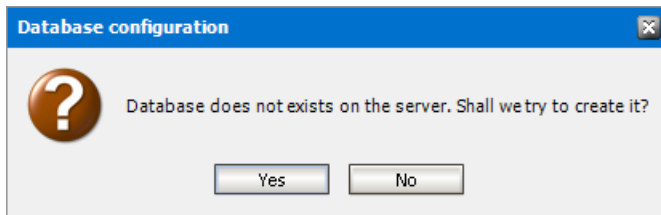
*For Microsoft SQL Server*

- g. **Server name** - name of the SQL server (eg. **AMXDB**)
- h. **Initial catalog** - name of the Archive Manager for Files database (e.g. **MAMINDEX** which is the default name of the Archive Manager for Files database)
- i. **Schema name** - name of the SQL Schema (e.g. **dbo**)
- j. **Authentication** – authentication type used for the database. Choose either **Windows authentication** or **SQL Server authentication**
- k. **Username** - database login username if *SQL Server authentication* is the selected as the authentication mode.
- l. **Password** - password of the database user if *SQL Server authentication* is the selected as the authentication mode.

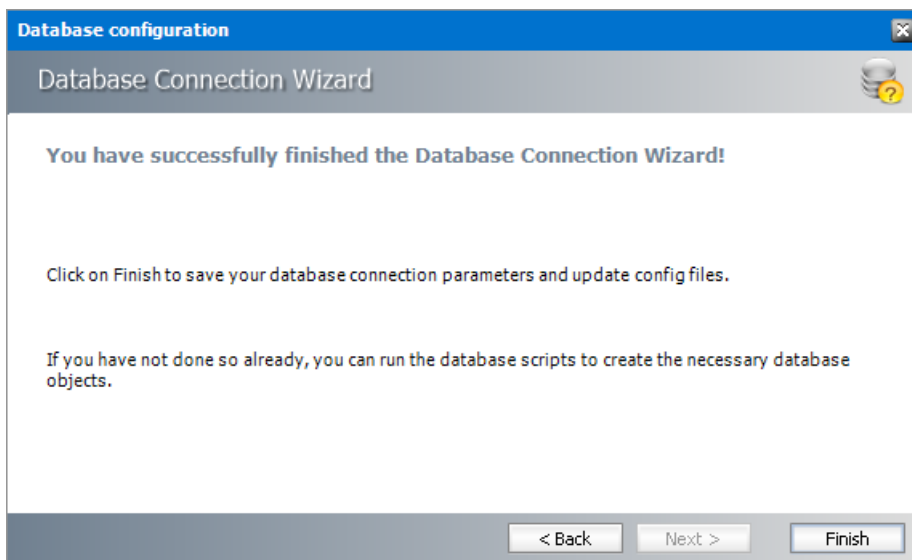
For Oracle

- e. **Oracle net name** - net service name that describes the network address of the HSM database in your `tnsnames.ora` file (eg. **AMXDB**)
- f. **Schema** - name of the Archive Manager for Files database (e.g. **MAMEXCH** which is the default name of the Archive Manager for Files database)
- g. **Username** - database login username
- h. **Password** - password of the database user

12. Click **Next** and then click **Yes** on the confirmation dialog that opens.



13. If the database connection is setup successfully, the configuration confirmation window opens.



14. Click **Finish** to close the *Database Connection* wizard. The *Setup the Index database connection* window opens.

1. If the database already exists, click **Import**. Otherwise click **Configure** to setup the Index database connection. The *Database Connection Wizard* opens.

**Database configuration**

**Database Connection Wizard**

The Database Connection Wizard will help you to set up your server. It allows you to specify the database provider and describe the database connection parameters.

Please select the database provider you want to use:

☒ Microsoft SQL Server

☐ Oracle

The following page will let you specify the database connection parameters.

< Back   Next >   Cancel

2. Select either **Microsoft SQL Server** or **Oracle** and click **Next**. The database connection information window opens for the selected database.

**Database configuration**

**Database Connection Wizard**

**Set up your Microsoft SQL Server connection.**

Please enter parameters which will be used to create a connection to your Microsoft SQL Server.

Server name:

Initial catalog:

Schema name:

Authentication:

Username:

Password:

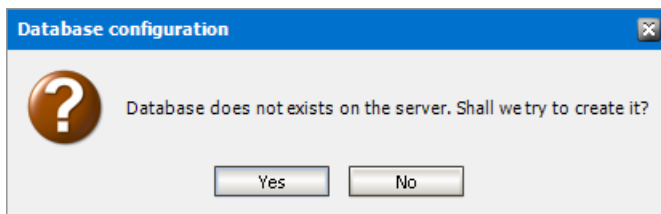
< Back   Next >   Cancel

*For Microsoft SQL Server*

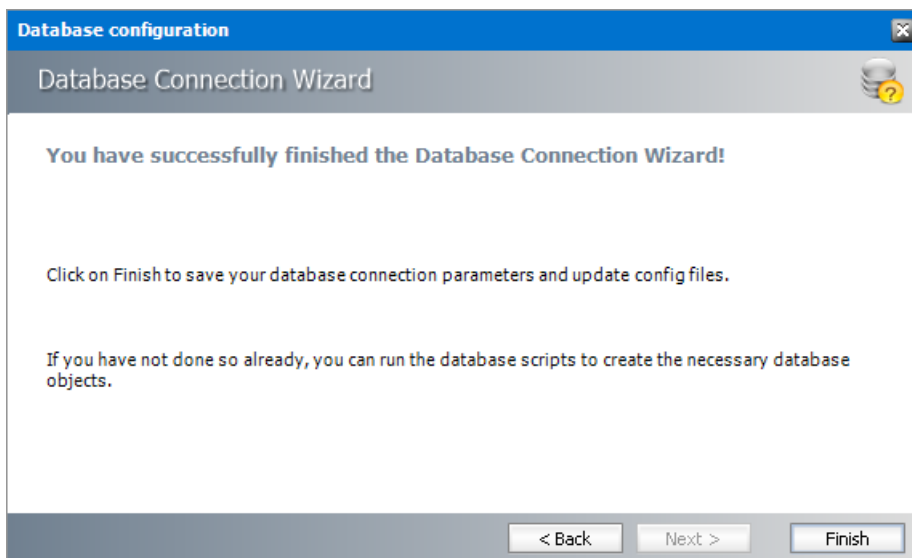
- a. **Server name** - name of the SQL server (eg. **AMXDB**)
- b. **Initial catalog** - name of the Archive Manager for Files database (e.g. **MAMINDEX** which is the default name of the Archive Manager for Files database)
- c. **Schema name** - name of the SQL Schema (e.g. **dbo**)
- d. **Authentication** – authentication type used for the database. Choose either **Windows authentication** or **SQL Server authentication**
- e. **Username** - database login username if *SQL Server authentication* is the selected as the authentication mode.
- f. **Password** - password of the database user if *SQL Server authentication* is the selected as the authentication mode.

For Oracle

- a. **Oracle net name** - net service name that describes the network address of the HSM database in your `tnsnames.ora` file (eg. **AMXDB**)
  - b. **Schema** - name of the Archive Manager for Files database (e.g. **MAMINDEX** which is the default name of the Archive Manager for Files database)
  - c. **Username** - database login username
  - d. **Password** - password of the database user
3. Click **Next** and then click **Yes** on the confirmation dialog that opens.

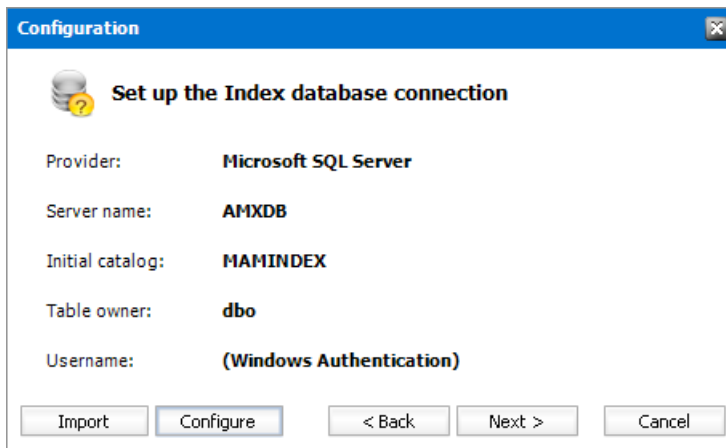


4. If the database connection is setup successfully, the configuration confirmation window opens.

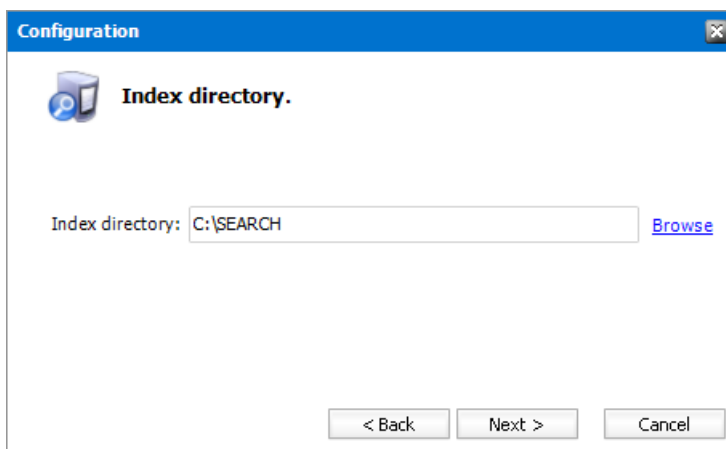


5. Click **Finish** to close the *Database Connection* wizard. The *Set up the Index database connection* window reopens.

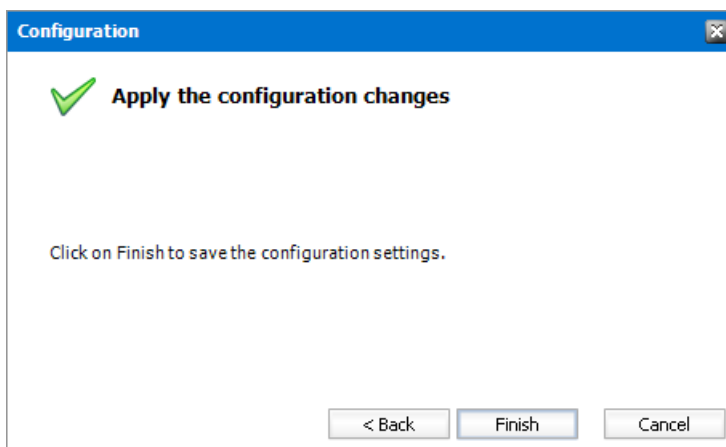




15. Click **Next**. The *Index directory* window opens.

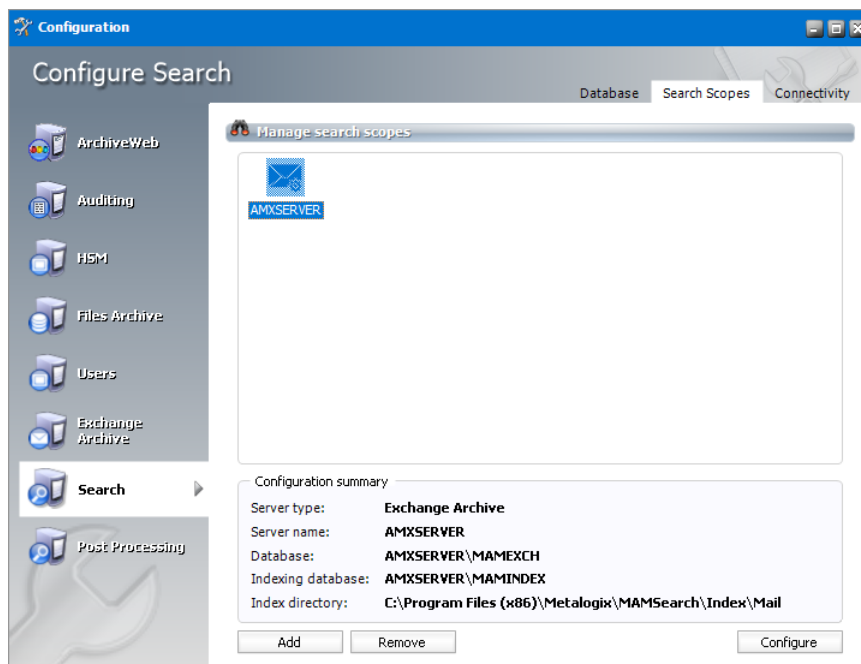


16. Click **Browse** to select or create a folder for the search index and then click **Next**. The *Apply the configuration changes* confirmation window opens.

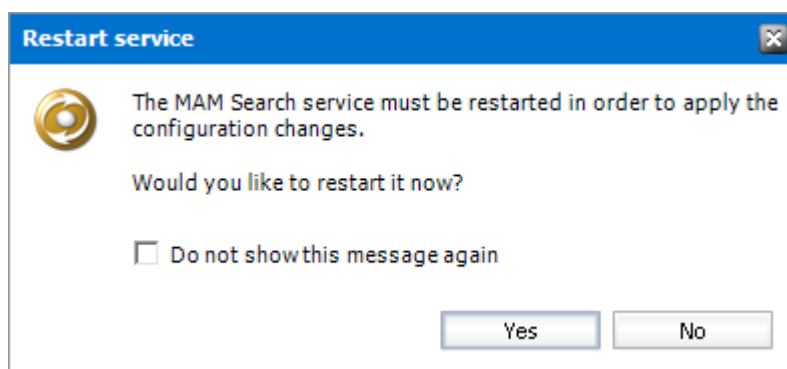


17. Click **Finish**. The Archive server for **Server type = Exchange Archive** is added to the *Manage search scopes* section. Click the icon for the Archive server that you added, and verify the information in the *Configuration summary* section.

**i** | **NOTE:** Search scopes for Archive Manager for Exchange and Archive Manager for Files are separate entities based on the **Server type**.



18. If the *Restart service* window opens, click **Yes** to restart the MAM service. Otherwise you must start the windows service manually.



19. Close the *Configuration* wizard.

## Post-processing

The Archive Manager Search installer installs the Search and Post Processing services which allows a user to search and run specific tasks on each archived message. Post processing scopes must be configured to allow specific tasks from search results in ArchiveWeb. A Post Processing scope is a specified Archive server.

**i** **NOTE:** If you install Archive Manager for Exchange with the Express or Advanced installation option, Post Processing Scopes is automatically configured for you. If you install Archive Manager for Exchange manually, you must configure the Post Processing Scopes manually.

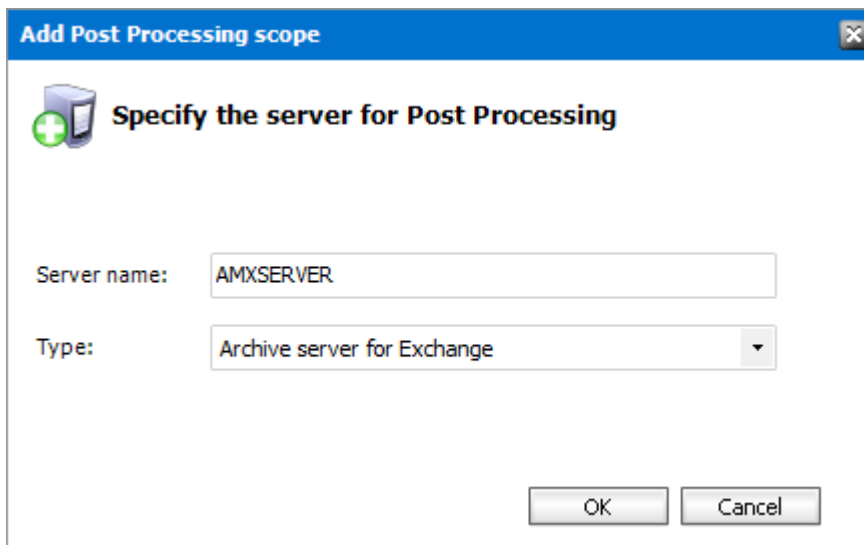
In this topic:

- [Steps to add Post Processing Scopes](#)

- [Steps to install the SearchIndexPluginRange](#)
- [Steps to configure a Plugin](#)
- [Steps to specify a bookmark date](#)

## Steps to add Post Processing Scopes

1. From the feature panel on the left in the *Configuration* wizard, click **Search** and select the **Search Scopes** tab.
2. Click **Add**. The *Add Post processing scope* window opens.



The screenshot shows a Windows-style dialog box titled "Add Post Processing scope". Inside the dialog, there is a green icon with a plus sign and the text "Specify the server for Post Processing". Below this, there are two input fields. The first is labeled "Server name:" and contains the text "AMXSERVER". The second is labeled "Type:" and is a dropdown menu currently showing "Archive server for Exchange". At the bottom right of the dialog are two buttons: "OK" and "Cancel".

3. Enter the information and described below:
  - **Server name** - specify the name of the Archive Manager for Exchange server.
  - **Type** - select **Exchange Archive server**
4. Click **OK**.

To revise the configuration of an existing Post Processing scope, select the scope and click **Configure**. Then edit the information and click **OK**.

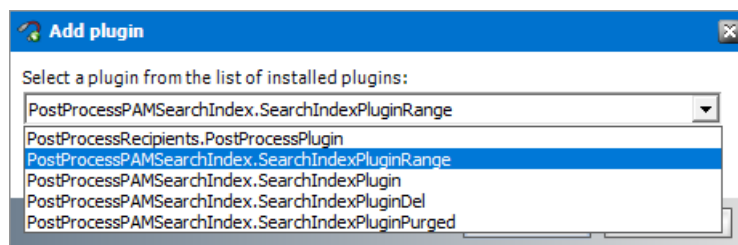
## Post processing plugins

Besides *Subject* and *From* text boxes in the Exchange Archive search, you can search the **To** field for items sent to specific recipient. To activate searching the **To** field, a post processing plugin must be installed and configured. This plugin indexes mail recipients.

- [Steps to install the SearchIndexPluginRange](#)
- [Steps to configure a Plugin](#)

## Steps to install the SearchIndexPluginRange

1. Open Archive Manager Configuration Tool from <installdir>\ Program Files (x86) \Common Files \ PAM \ PAMConfig \ PamConfig.exe.
2. Open the **Post Processing** tab.
3. Open the **Post Processing Scopes** tab.
4. Right-click on the scope and from the context menu select Configure.
5. Click **Add**.
6. Installed plugins will be loaded in the *Add Plugin* pop-up window. Select **PostProcessPAMsearchIndex.SearchIndexPluginRange** from the dropdown box and click **Add**.



7. The plugin is listed in the *Plugins* list in *Configuration* tab. By default it is active.

**Configuration**

---

**Post Processing for Exchange**

☒ Enabled Location: 1 - Default

HSM server:  [Reset](#)

Index directory:  [Browse](#)

Mailboxes in index:

---

**Exchange Database**

Provider: **Microsoft SQL Server**

Server name: **AMXSERVER**

Initial catalog: **MAMEXCH**

[Configure](#)

---

**Plugins**

Plugin Name	Active	Bookmark
PostProcessPAMSearchIndex.SearchIndexPlugin	Yes	02.04.2021 19:27:16
PostProcessPAMSearchIndex.SearchIndexPluginRange	Yes	20.05.2021 00:00:00

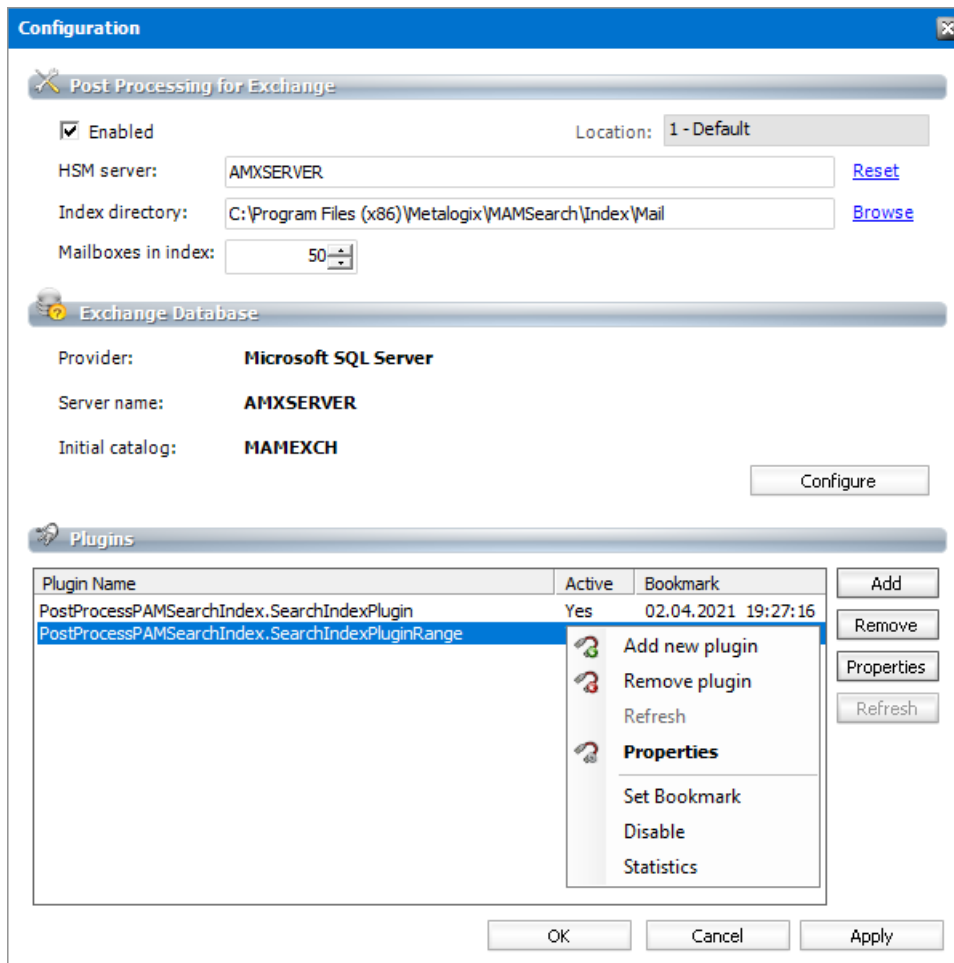
[Add](#)  
[Remove](#)  
[Properties](#)  
[Refresh](#)

[OK](#)
[Cancel](#)
[Apply](#)

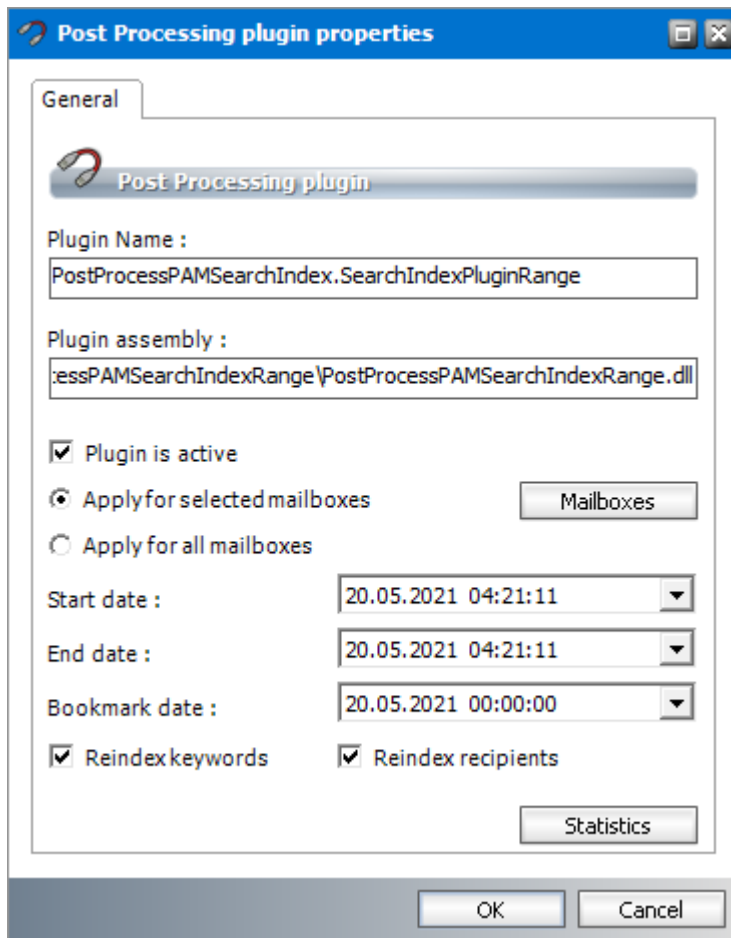
## Steps to Configure a Plugin

When a new plugin is added to the *Plugins* list, there are no mailboxes specified by default. You must specify the mailboxes as well as the **Bookmark Date**. If no mailboxes are selected then post processing will not process any archived emails and attachments.

1. From the *Plugins* list, select the **PostProcessPAMsearchIndex.SearchIndexPluginRange** plugin. Right-click the plugin and click **Properties** from the context menu .

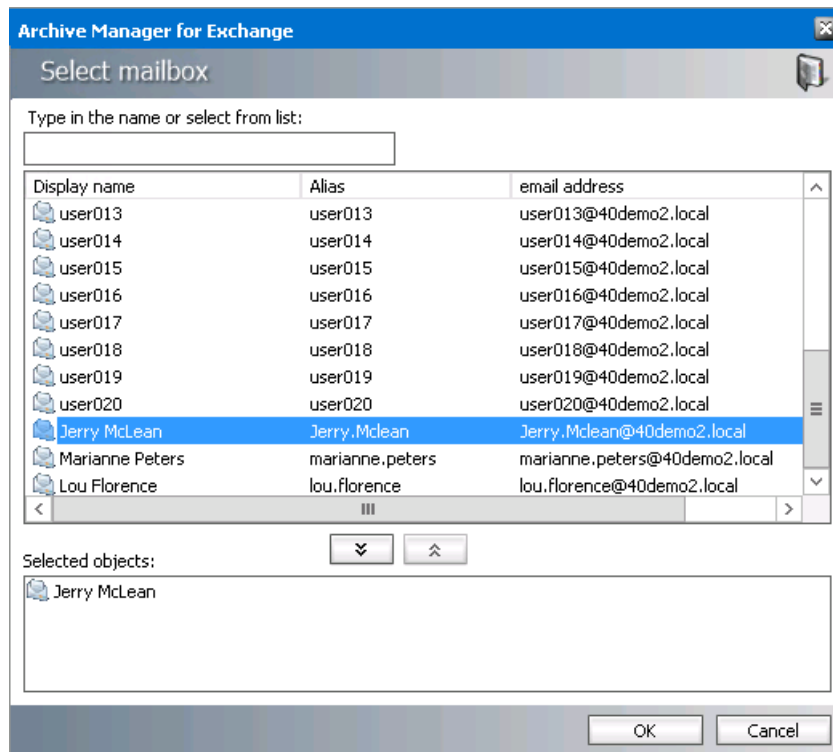


2. In the Plugin properties window set the properties as described below.

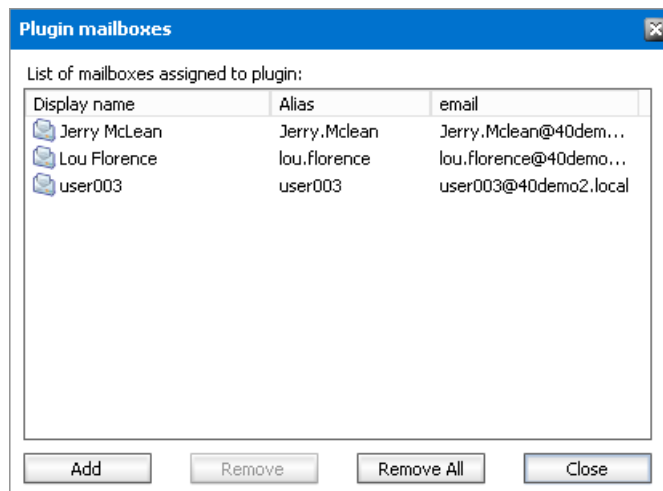


The plugin properties are as follows;

- a. **Plugin is active** - select this checkbox to activate the plugin.
- b. **Apply for selected mailboxes** - the plugin scope is determined by the mailboxes that you can select when you click **Mailboxes**.
  - i. In the *Plugin mailboxes* window click **Add** to add mailboxes.
  - ii. In the *Select mailbox* enter the name of a mailbox in the text box to search for the mailbox. Double-click the mailbox in the list to transfer it to the *Selected objects* section. In the *Selected objects* section you can check which users you have selected.



iii. Confirm by clicking **OK**. The selected mailboxes appear in the *Plugin mailboxes* window.



iv. Click **Close**.

- c. **Apply for all mailboxes** - the plugin scope is across all mailboxes.
- d. **Start Date** - indicates the date when email indexing starts. Click the dropdown to set the date from the calendar popup.
- e. **End Date** - indicates the date when email indexing ends. Click the dropdown to set the date from the calendar popup.
- f. **Bookmark Date** - indicates the most recent index date and time. Click the dropdown to set the date from the calendar popup. When the plugin is installed, the **Bookmark Date** should be the same as the **Start Date**. If you want to index old email items, set the **Start**

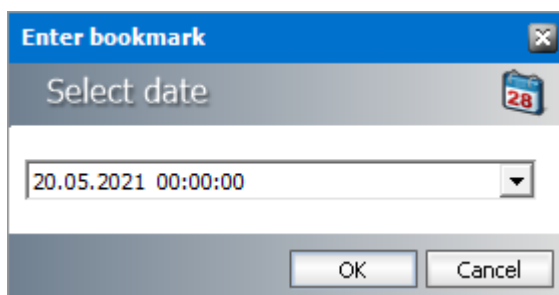


**Date** and the **Bookmark Date** to the same date in the past from where you would want the indexing to begin.

- g. **Reindex keywords** - select this checkbox if keywords should be re-indexed within the specified data range.
- a. **Reindex recipients** - select this checkbox if email recipients should be re-indexed within the specified data range.

## Steps to specify a bookmark date

1. Right-click the plugin and click **Set Bookmark** from the context menu.
2. In the *Enter bookmark* window specify the time. Click **OK**.



**i** **NOTE:** The bookmark date is displayed in the *Plugins* list in *Configuration* tab. If you reset the bookmark date, the change takes effect immediately, and there is no need to deactivate and activate the plugin again. If you remove a plugin by using the **Remove** button, it will stop completely without remembering where it stopped. If you then load that plugin again, you must configure it again.

## General Data Protection Regulation

ArchiveWeb now supports General Data Protection Regulation (GDPR) regulations.

## Retention

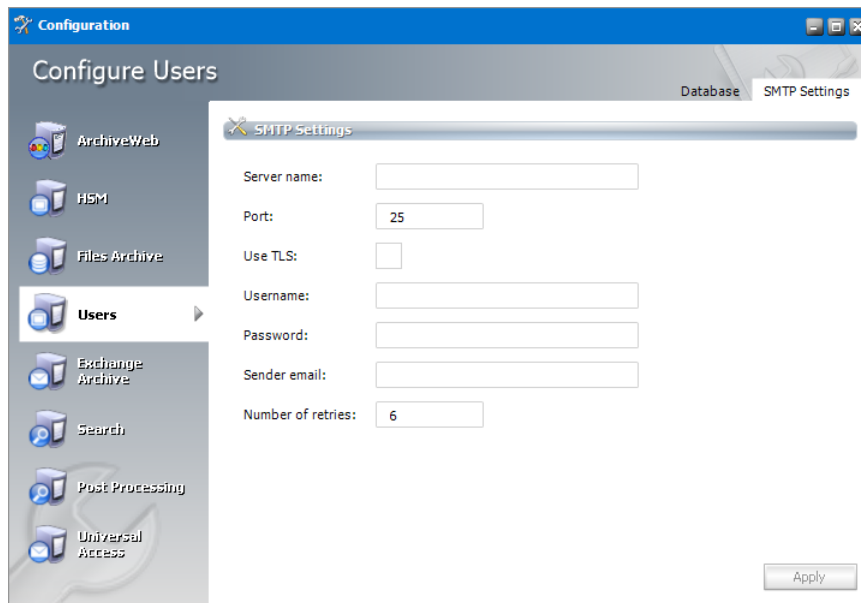
Users with the requisite permission can create a retention change request for archived Exchange and Files items from its context menu. When a request is created, approvers get an email notification and can review the request. Users who created a request are informed through an email notification once an approver has processed the request. Users and approvers can track the requests in ArchiveWeb from the Retention tab. Users and approvers can see open, approved, denied requests and request history. Additionally, approvers can export all items from a request to a ZIP file, deny the entire request and approve all or selected items from the request.

To use all retention features, a working SMTP server is needed, however SMTP is not mandatory for retention functionality. The SMTP service is used to send notification emails to approvers and retention requesters.

## To setup the SMTP service (PamConfig)

A working SMTP server is needed to send notification emails to users. The SMTP server must be configured with the *Archive Manager Configuration Tool*.

1. Open Archive Manager Configuration Tool from <installdir>\ Program Files (x86) \ Common Files \ PAM \ PAMConfig \ PamConfig.exe.
2. From the feature panel on the left in the *Configuration* wizard, click **Users** and verify that the database and scripts are up to date from the **Database** tab.
3. Click the **SMTP Settings** tab.



Specify the information as described below

- **Server name** -specify SMTP server name or IP address where the SMTP server is installed.
  - **Port** -specify the SMTP port.
  - **Use TLS** - select this option if the SMTP requires TLS.
  - **Username, Password** - specify SMTP credential. Username must be in the format domain/username.
  - **Sender email** - specify email address which will be used to hand-shake with the SMTP.
  - **Number of retries** - specify number of retries the SMTP will try to send the message.
4. Click **Apply** and then close the window.

## To grant permissions in ArchiveWeb

1. Log in to ArchiveWeb.
2. From the main menu, click the username dropdown and then select **Manage settings**.

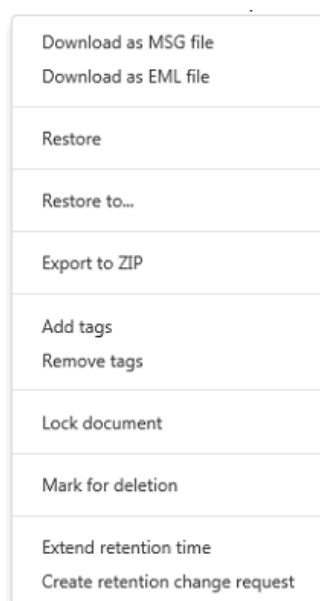
3. From the local toolbar, click **Permissions**.
4. Grant the permissions to users and approvers as indicated below. For detailed steps about granting permissions, see [Permissions](#).

Permission	Default value	Meaning
Approve retention change requests	Denied	Allows to approve or denied the retention change request and export items
Create retention change request	Denied	Allow to create a new retention change request and to display Retention tab at the top of the navigation bar with ability to list open, approved, denied requests and history.

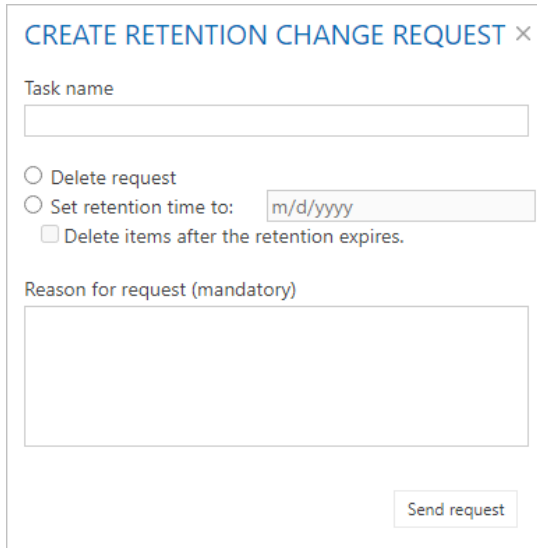
## To create a retention change request

Users with the **Create retention change request** permission can create a retention change request from the context menu for selected item(s).

1. Log in to ArchiveWeb.
2. Click Archive from the main menu and select the **Exchange**.
3. Select one or more archived items.
4. For a single archived item
5. Click **Menu** in the preview pane and then select Log in to ArchiveWeb.



6. For selected items, the context menu appears automatically. Select **Create retention change request**.
7. The **Create Retention Change Request** dialog opens



**CREATE RETENTION CHANGE REQUEST** ×

Task name

☐ Delete request

☐ Set retention time to:

☐ Delete items after the retention expires.

Reason for request (mandatory)

Send request

8. Enter the information as described below:
  - **Task name** – name for retention change request
  - **Delete request** – select to create a delete request
  - **Set retention time to** – select to set a new retention time in months. The purpose for this option is create a retention change request to decrease retention time
  - **Delete items after the retention expires** – by selecting this option the expired items will be automatically deleted
  - **Reason for request** – description of request
9. Click **Send request** to submit the request for approval. Newly created retention change requests appear in the **Open** and **History** lists in the **Retention** tab. Only items which have no Legal hold flag set will be added to retention change request.
10. If the SMTP service is configured correctly, a notification email is sent to approvers who have been granted the **Approve retention change requests** permission. A sample email is shown below.

## Request Notification

administrator@devx.local

Sent: Fri 4/27/2018 3:31 PM

To: Administrator

Dear Approver

DEVXtestuser1 has created a Retention request task Ex [#611d244a4200ca22669f6e0b3431e909] on 4/27/2018 3:30:39 PM.

Request details:

Set to 7 months

Please Log in ArchiveWeb and [review the request](#).

Thank you.

DEVXtestuser1

## Retention tab

This menu option is available to all users with either the **Create retention change request** or **Approve retention change requests** permissions. The user can see list of open, approved, denied requests and history.

## OPEN REQUESTS

Metalogix

Archive Manager ArchiveWeb

keyword search

archive

search

retention

report

tasks

Administrator

OPEN REQUESTS

APPROVED REQUESTS

DENIED REQUESTS

HISTORY

Result count: 1

Drag a column header here to group by that column

TASK NAME	REQUEST TYPE	REQUESTED RETENTION	AUTOMATIC DELETION	SUBMITTED BY	DATE CREATED	AFFECTED ITEMS	STATUS	REASON FOR REQUEST
Obsolete files	Change retention request	1/9/2023	<input checked="" type="checkbox"/>	DEMOCORP\domadmin	10/13/2022 8:54:58 ...	2	Waiting	Files can be removed
Audit files	Change retention request	4/24/2023	<input type="checkbox"/>	DEMOCORP\domadmin	10/13/2022 8:54:58 ...	2	Waiting	Files retained for audit
Delete files	Change retention request	12/19/2022	<input type="checkbox"/>	DEMOCORP\domadmin	10/13/2022 8:54:58 ...	2	Waiting	Files can be removed
First	Prev	Page: 1 of 1	Next	Last	Items per page: 20			

Displays all requests that are created but have not been approved or denied. Click any request to view the items included in the request in the preview pane. The columns are described below:

Column	Description
Task name	Retention change request task name
Request type	Request type:  Change retention request – request to decrease retention time Delete request – request to delete item
Requested retention	Contains retention time requested in Change retention request task; for Delete request this column is empty
Automatic Deletion	Informs if the option "Delete items after the retention expires" is activated for the given item
Submitted by	Name of the user who submitted the request
Date created	Date-time when the request was submitted

Processed by	Name of the user who approved/denied the request
Date processed	Date-time when the request was approved/denied
Submitted items	Number of items in submitted request
Status	Request task's status
Reason	Approve/Denied reason
Reason for request	Reason the submitter entered

## To approve a request

1. Click the **Retention** tab and then click **Open Requests**.
2. Select a request to view the items included in the request. Select one or more items or select the checkbox in the column header to select all items.

Result count: 25 Total rows selected: 25  
[Clear selection](#)

<input checked="" type="checkbox"/>	FOLDER	NAME	WARNING
<input checked="" type="checkbox"/>	C:\FILETY\050.items\	file01.bt	
<input checked="" type="checkbox"/>	C:\FILETY\050.items\	file02.bt	
<input checked="" type="checkbox"/>	C:\FILETY\050.items\	file03.bt	

First Prev Page: 1 of 2 Next Last

Approve selected Deny all Export all

3. Click **Approve selected**. The *Request Approval* dialog opens.

**REQUEST APPROVAL** ×

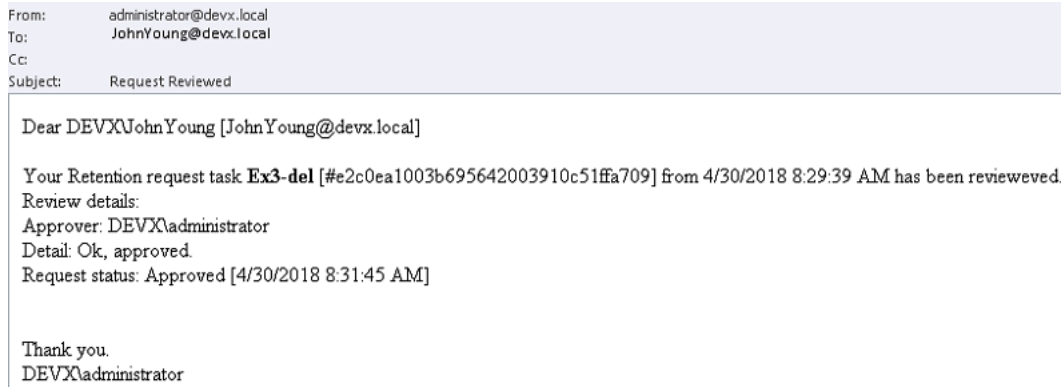
Reason for change (mandatory)

*Retention time for the selected items will be changed. This change cannot be reversed and the document will be irretrievably deleted (based on the new retention time). The process is logged.*

☐ I understand that the process is not reversible

Approve Cancel

- **Reason for change** - enter text to explain why the change is necessary.
  - **I understand that the process is not reversible** - select this checkbox to confirm the approval
4. Click **Approve**. The selected items will be asynchronously processed and their retention settings will be changed.
  5. If SMTP is correctly set up, the requester will be informed through email. A sample notification email is shown below:



## To deny a request

1. Click the **Retention** tab and then click **Open Requests**.
2. Select a request to view the items included in the request. All items will be included for denial.
3. Click **Deny all**. The *Deny Request* dialog opens.

**DENY REQUEST** ×

Reason for deny (mandatory)

Deny Cancel

- **Reason for deny** - enter text to explain why the request is being denied.
4. Click **Deny**. All items will be denied. No operation from retention change request will be processed.
  5. If SMTP is correctly set up, the requester will be informed through email. A sample notification email is shown below:

## To export items

1. Click the **Retention** tab and then click **Open Requests**.
2. Select a request to view the items included in the request. Select one or more items or select the checkbox in the column header to select all items.

Result count: 25 Total rows selected: 25  
[Clear selection](#)

<input checked="" type="checkbox"/>	FOLDER	NAME	WARNING
<input checked="" type="checkbox"/>	C:\FILETY\050.items\	file01.bt	
<input checked="" type="checkbox"/>	C:\FILETY\050.items\	file02.bt	
<input checked="" type="checkbox"/>	C:\FILETY\050.items\	file03.bt	

First Prev Page: 1 of 2 Next Last

Approve selected Deny all Export all

3. Click **Export all**. All items will be exported to a ZIP file. There is option to encrypt the output ZIP file with a password.

## APPROVED REQUESTS

Displays all requests that are approved. Click any request to view the items included in the request in the preview pane. The columns are described below:

Column	Description
Task name	Retention change request task name
Request type	Request type:  Change retention request – request to decrease retention time Delete request – request to delete item
Requested retention	Contains retention time requested in Change retention request task; for Delete request this column is empty
Automatic Deletion	Informs if the option "Delete items after the retention expires" is activated for the given item
Submitted by	Name of the user who submitted the request
Date created	Date-time when the request was submitted
Processed by	Name of the user who approved/denied the request
Date processed	Date-time when the request was approved/denied
Affected items	Number of items approved
Status	Request task's status.
Reason	Reason for approval

## DENIED REQUESTS

Displays all requests that are approved. The columns are described below:

Column	Description
Task name	Retention change request task name
Request type	Request type:



	Change retention request – request to decrease retention time
	Delete request – request to delete item
Requested retention	Contains retention time requested in Change retention request task; for Delete request this column is empty
Automatic Deletion	Informs if the option "Delete items after the retention expires" is activated for the given item
Submitted by	Name of the user who submitted the request
Date created	Date-time when the request was submitted
Processed by	Name of the user who denied the request
Date processed	Date-time when the request was denied
Affected items	Number of items that were denied
Status	Request task's status
Reason	Reason for denial

## HISTORY

Display the list of all requests (open, approved and denied). The columns are described below:

Column	Description
Task name	Retention change request task name
Request type	Request type:  Change retention request – request to decrease retention time  Delete request – request to delete item
Requested retention	Contains retention time requested in Change retention request task; for Delete request this column is empty
Automatic Deletion	Informs if the option "Delete items after the retention expires" is activated for the given item
Submitted by	Name of the user who submitted the request
Date created	Date-time when the request was submitted
Processed by	Name of the user who denied the request
Date processed	Date-time when the request was denied
Affected items	Number of items that were denied
Status	Request task's status
Reason for Request	Reason for approval or denial

Select any request in the **History** view to see the affected items in the preview pane. The columns are as described below:

From	Sender's name
To	Recipient(s) names
Subject	Subject of the item
Approved	Indicates whether the item was approved
Error	Contains error message, if any

The preview pane in the History view contains two predefined filters:

- **Processed** – contains list of processed items.
  - For **Change retention request** – items with selected checkboxes in the **Approved** column have been processed, retention time have been changed; if error occurred the **Error** column will contain a message.
  - For **Delete request** – items with selected checkboxes in the **Approved** column have been processed by a *Delete* job, and items have been deleted; if error occurred the **Error** column will contain a message.
- **Waiting** – contains list of items waiting to be processed.
  - For **Delete request** – items with selected checkboxes in the **Approved** column are waiting for a *Delete* job to process the items.

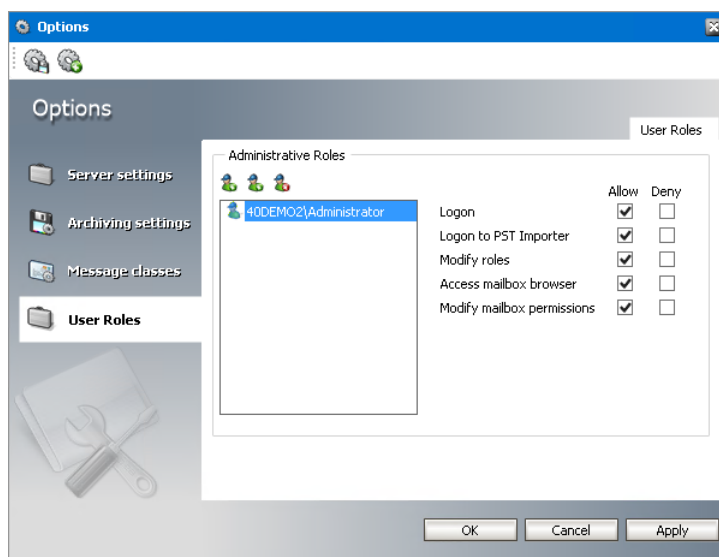
# ArchiveWeb Settings

As default, only the super-user specified in Archive Manager for Exchange or Archive Manager for Files (see note below) can access ArchiveWeb and all its functions. If another user/group should be able to manage roles, super-user can allow access for them in the following ways:

- in ArchiveWeb under logged on user / **Manage settings** / **Permissions**
- in Archive Manager for Exchange Administration Center on the **Tools** / **Options** / **User Roles** the given user has to be added with **Modify roles** option checked
- in the Archive Manager for Files Administration Center on the **Settings** / **User management** tab the given user must have the **User management** permission allowed

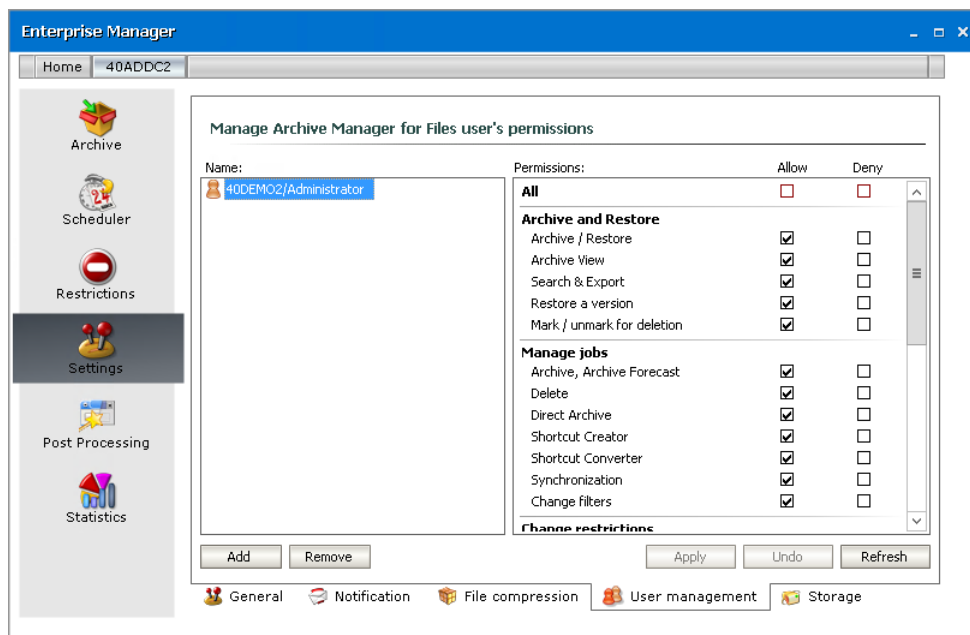
Please note: Super-user is specified in:

- Archive Manager for Exchange Administration Center / Tools / Options / User Roles)



or

- Archive Manager for Files (Enterprise Manager / Settings / User management)



Roles and Permissions pages allow permission management on user/group level. Individual users can inherit permission or can be granted direct permissions. The priority of permissions follows this order:

1. Direct permission defined for a user (blue highlight under Permissions) on a server
2. Global direct permission defined for a user (blue highlight under Permissions)
3. Inherited permission (yellow highlight under Permissions) on a server
4. Global inherited permission (yellow highlight under Permissions)
5. Default settings (no highlight under Permissions)

All defined permissions apply only for the given instance of ArchiveWeb.

On these pages you can allow or deny access to ArchiveWeb features and menu options for individual users or groups, i.e. allow or deny roles. Under **Roles**, users are assigned to roles. Under **Permissions**, roles are assigned to users.

## Roles

The *Roles* page displays permissions categorized by roles. These permission sets can be granted to users and groups either globally or by server and location. The *Roles* page helps you revoke or grant a specific permission to one or more users and groups. See the [Permissions](#) page to revoke or grant one or more permissions to a specific user or group.

### Steps to access the Permissions page

1. Log in to ArchiveWeb.
2. From the main menu, click the username dropdown and then select **Manage settings**.
3. From the local toolbar, click **Roles**.

## Steps to grant a permission to users or groups:

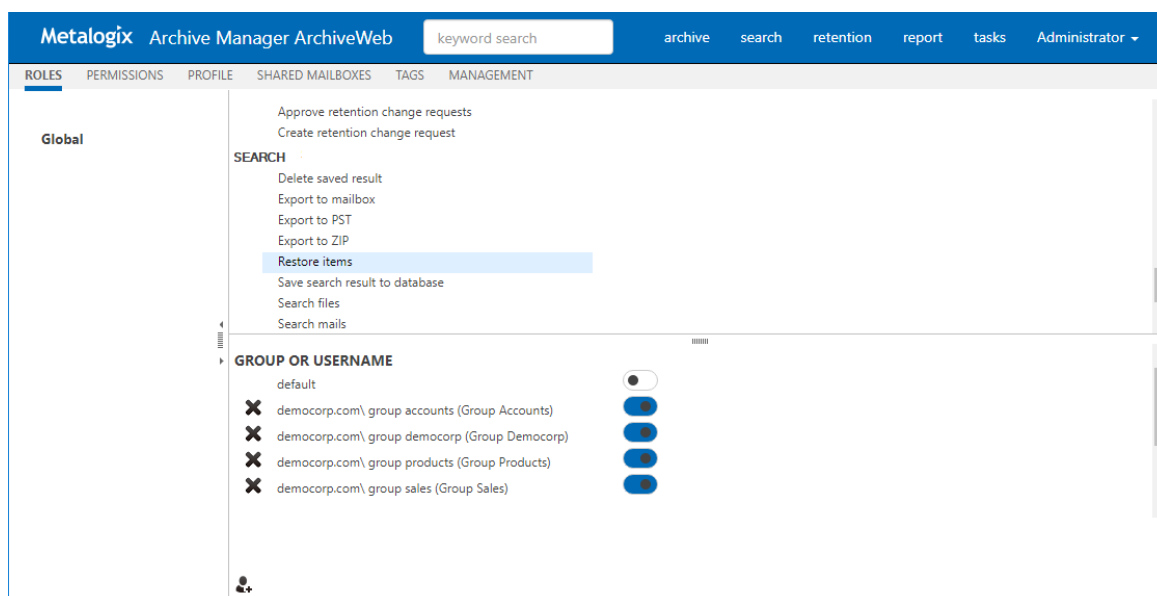





### NOTE:

If the **UseGlobalPermissionsForAllServers** key is set to **true** or this key does not exist in the *web.config* file, the *Roles* page lists **Global** settings. In this case permissions for users and groups are set globally and are applicable to all servers.

If the **UseGlobalPermissionsForAllServers** is set to **false** in the *web.config* file, all available servers will be listed and permissions can be set for users or groups for a selected server or location. Using this option can slow down the login process because all accessible servers and locations must be searched for role assignments.

1. Either click **Global** or select a server to display the permissions in the right-hand pane.
2. Select a permission from the right-hand pane. In the *Group and Username* section, **Default** indicates the default settings for this permission. Specific users and groups can be added to this section to change their default permissions setting.



3. To add a user or group:
  - a. Click  in the *Group and Username* section.
  - b. In the *Find Users or Groups* window, enter a group or user name in the search field. You can use the asterisk (\*) as a wildcard in the search criteria or leave the field blank to include all entities. Users can be searched by user-name, logon-name or display-name. To search for Microsoft 365 users, select **Office 365 user** and then search for the user.
  - c. Select the users or groups to add. You can use **Select all** to add all users and groups in the search result.
  - d. Click **OK** to add the selected users and groups to the permission.
4. Set the toggle switch to  to grant the permission. Set the toggle switch to  to revoke the permission.

5. To remove a user or group, click **X** next to the user or group. The default setting will be applied to all removed users and groups.

## Permissions

The *Permissions* page helps you to revoke or grant one or more permissions to a specific user or group.


In this topic:

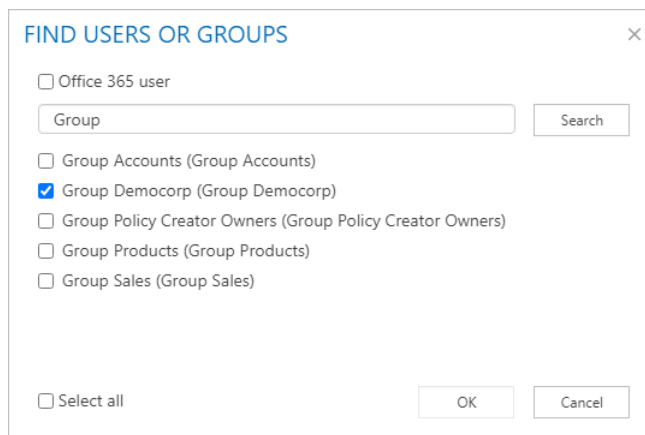
- [Opening the Permissions page](#)
- [Adding users or groups](#)
- [Removing users or groups](#)
- [Synchronizing groups and sub-groups](#)
- [Viewing group members](#)
- [Granting permissions to users or groups](#)

### To open the Permissions page

1. Log in to ArchiveWeb.
2. From the main menu, click the username dropdown and then select **Manage settings**.
3. From the local toolbar, click **Permissions**.

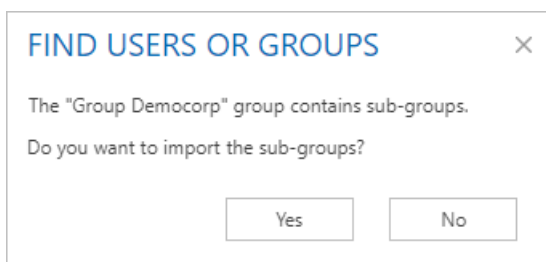
### To add users or groups:

1. Click  in the left-hand pane.
2. In the *Find Users or Groups* window, enter a group or user name in the search field. You can use the asterisk (\*) as a wildcard in the search criteria or leave the field blank to include all entities. Users can be searched by user-name, logon-name or display-name. To search for Microsoft 365 users, select **Office 365 user** and then search for the user.




**i** | **NOTE:** Microsoft 365 users, groups and subgroups must be imported into Archive Manager for Exchange.

3. Select the users or groups to add. You can use **Select all** to add all users or groups.
4. Click **OK** to add the selected users and groups to the *Permissions* page. The user or group will remain on the *Permissions* page if a permission of the user or group is modified in the current ArchiveWeb session.
5. If a group has subgroups a confirmation window opens. Select **Yes** to add the subgroup. Only subgroups of the parent group will be added. If a subgroup has more subgroups, they will not be added. Select **No** to ignore the subgroup and add the parent group only.

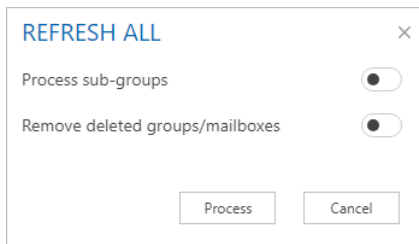


## To remove users or groups:

1. Click  in the left pane.
2. In the **Remove users or groups** window, select the users or groups to remove. You can remove only users or groups if a permission of the user or group has been modified in the current ArchiveWeb session.
3. Click **OK**.



## To synchronize groups and sub-groups:

1. Click **Refresh All** in the left pane. The *Refresh* window opens.



2. Click the toggle buttons to enable additional synch features as described below:
  - a. <No toggle button enabled> - all imported groups will be synchronized with the Active Directory (only content in the right-hand pane will be updated).
  - b. **Process sub-groups** - all imported groups will be synchronized with the Active Directory and new subgroups will be imported.
  - c. **Remove deleted groups/mailboxes** - all imported groups will be synchronized with the Active Directory and deleted groups or mailboxes will be removed from the left-hand pane.
3. Click **Process** to begin the sync process.

## To view group members:




1. Click  next to the group for which you want to view the members. The members are listed in the right-hand pane.
2. Enter a search criteria for any of the columns and click the search filter  to select a search operation. You can set search criteria for multiple columns. The **Result count** indicates the number of members in the group.
3. Click **Refresh** to get the latest list of members if users or subgroups are added or removed from the group in active directory while you are logged in to ArchiveWeb. If users or groups are added or removed, a confirmation window opens. Click **Yes** to confirm whether you want to add or remove a user or subgroup.
4. If groups have more members than can be displayed on the page, they are presented in multiple pages. You can use the scroll buttons at the bottom of the right-hand pane to scroll through multiple pages.

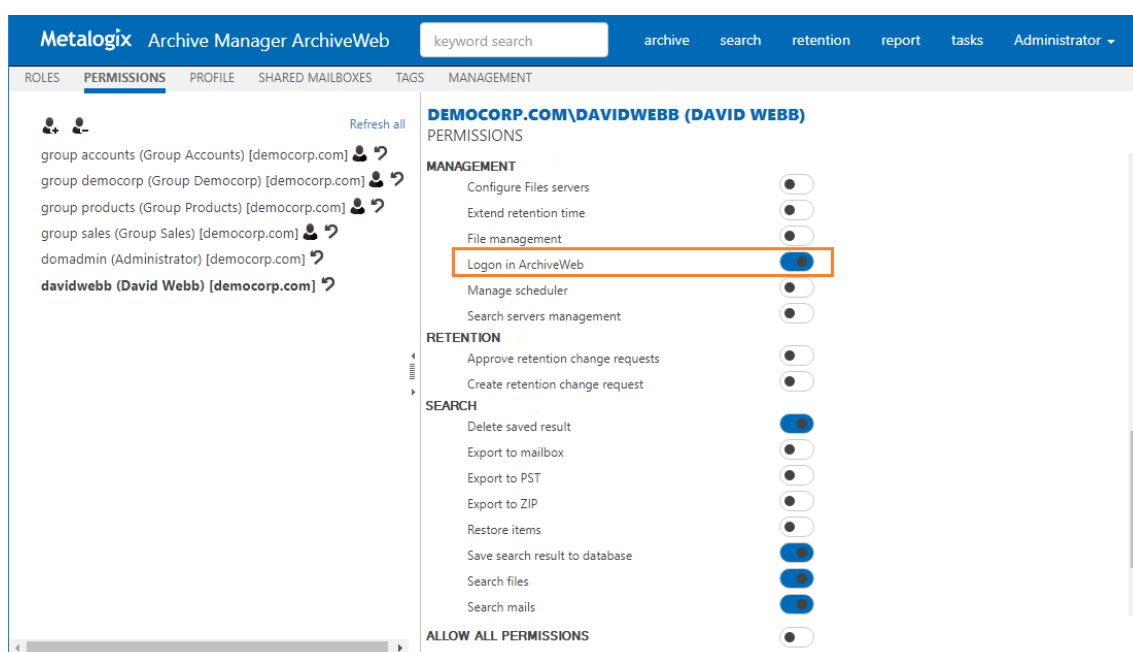
The screenshot shows the 'Permissions - Archive Manager' interface. On the left, a sidebar lists roles and permissions. The main area displays 'DEMOCORP.COM\GROUP SALES' with a 'GROUP MEMBERS' section. Below this, a table lists members with columns: GIVEN NAME, SURNAME, USERNAME, EMAIL ADDRESS, SID, and DISTINGUISHED NAME. The table shows four members: Administrator, Aman, David, and Devika. At the bottom, there is a pagination bar showing 'Page 1 of 1 (1 items)'.


GIVEN NAME	SURNAME	USERNAME	EMAIL ADDRESS	SID	DISTINGUISHED NAME
Administrator		amanali	amanali@democorp.com	S-1-5-21-3596543122-2248959635-284132064-500	CN=domain,CN=Users,DC=democorp,DC=com
Aman	Ali	amanali	amanali@democorp.com	S-1-5-21-3596543122-2248959635-284132194-500	CN=domain,CN=Users,DC=democorp,DC=com
David	Webb	devidebb	devidebb@democorp.com	S-1-5-21-3596543122-2248959635-564332064-500	CN=domain,CN=Users,DC=democorp,DC=com
Devika	Sharma	devikasharma	devikasharma@democorp.com	S-1-5-21-3596543122-8765859635-284132064-500	CN=domain,CN=Users,DC=democorp,DC=com



## To grant permissions to users and groups:

1. Select the user or group from the left-hand pane. If the user or group is not listed, click  and use the *Find user or group* window to add the user or group.
2. The permissions available for the user or group are listed in the right-hand pane. They are categorized for ease of use.
3. Locate the permission that you want to grant or revoke. Set the toggle switch to  to grant the permission. Set the toggle switch to  to revoke the permission. For example, all users are allowed to log in to ArchiveWeb because the **Logon to ArchiveWeb** permission is granted by default. Only the super-user or administrator has the ability to grant or revoke this permission for a user or group.



4. You can grant or revoke all permissions for a user or group by setting the **Allow all permissions** toggle switch at the bottom of the right-hand pane.
5. You can reset the permissions to default settings when you click  next to the user or group in the left-hand pane.

## Permissions list

The table below lists default ArchiveWeb permissions categorized by roles. **Allow all permissions** is not granted to users or groups by default.

Permission	Default value
<b>Auditing</b>	

Access all mailboxes	Denied
Apply tags	Denied
Auditor access	Denied
Export auditing logs	Denied
Export results to ZIP	Denied
Show auditing logs	Denied
<b>Compliance</b>	
Allow policy managed download	Denied
Compliance management	Denied
<b>Exchange</b>	
Add comments to mails	Denied
Apply tags	Allowed
Compare mailbox with archive	Allowed
Delete item	Denied
Restore items	Denied
Set "Legal Hold" flag	Denied
Show "Legal hold" flag	Denied
Show comments	Denied
Show lost data	Allowed
Show own mailbox	Allowed
Show public folders	Allowed
Show shared mailbox	Allowed
<b>File</b>	
Add comments to files	Denied
Apply tags	Allowed
Compare file system with archive	Denied
Delete files	Denied
Find files without shortcut	Denied
Restore files	Denied
Set "Legal Hold" flag	Denied
Show "Legal hold" flag	Denied
Show comments	Denied
Show files server	Allowed
<b>Journaling</b>	

Access journal	Denied
<b>Management</b>	
Configure Files servers	Denied
Extend retention time	Denied
File management	Denied
Logon in ArchiveWeb	Allowed
Manage scheduler	Denied
Search servers management	Denied
<b>Retention</b>	
Approve retention change requests	Denied
Create retention change request	Denied
<b>Search</b>	
Delete saved result	Allowed
Export to mailbox	Denied
Export to PST	Denied
Export to ZIP	Denied
Restore items	Denied
Save search result to database	Allowed
Search files	Allowed
Search mails	Allowed
<b>Statistics</b>	
Export statistics	Allowed
Files - Show statistics	Denied
Mails - Show statistics	Denied

## Auditor Access


Journals in Exchange Server are used to enforce legal, regulatory, and organizational compliance in organizations by recording all or targeted email messages. In addition to journals, mailbox audit logs are also used to track who logs on to the mailboxes in your organization and what actions are taken by delegate users.

**Auditor Access** grants users the ability to view all mailbox journals that are imported, audit logs, retentions and search. Use this powerful feature with discretion.

To use this feature you must grant **Auditor access** permissions to at least two users. The two-user authentication mechanism works as follows: If John wants to log in as an auditor, he must have

the **Auditor access** permission, and he must be able to specify the username of another user who has the **Auditor access** permission, before he can successfully log in as an auditor.

## Steps to grant the Auditor access permission to a user

1. Log in to Metalogix Archive Manager ArchiveWeb with the credentials of a user who has the ability to grant permissions to other users.
2. From your account name dropdown, select **Manage Settings**. Then select the **Permissions** tab.
3. Click the **Add User** icon and locate the user from the **Find Users or Groups** search window.
4. Select the user from the user list on the left to display the permission set in the right-hand pane.
5. Set the toggle switch to  to grant the **Auditor access** permission to the user.

**i** | **NOTE:** No user is granted this permission by default. As a result auditor access is denied to all users including the super-user or the administrator.

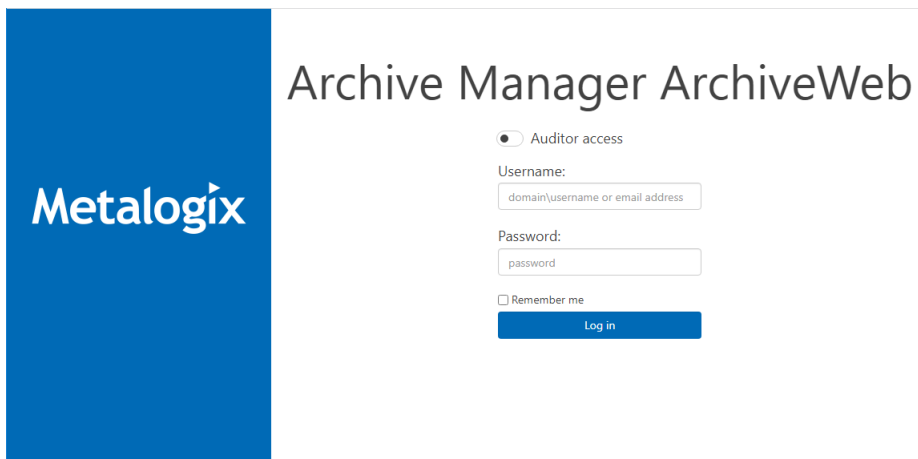
6. In the confirmation dialog that appears, click **Yes** to grant the **Auditor access** permission.

**i** | **NOTE:** Granting the **Auditor access** permission automatically grants all permissions of type **Auditing**.

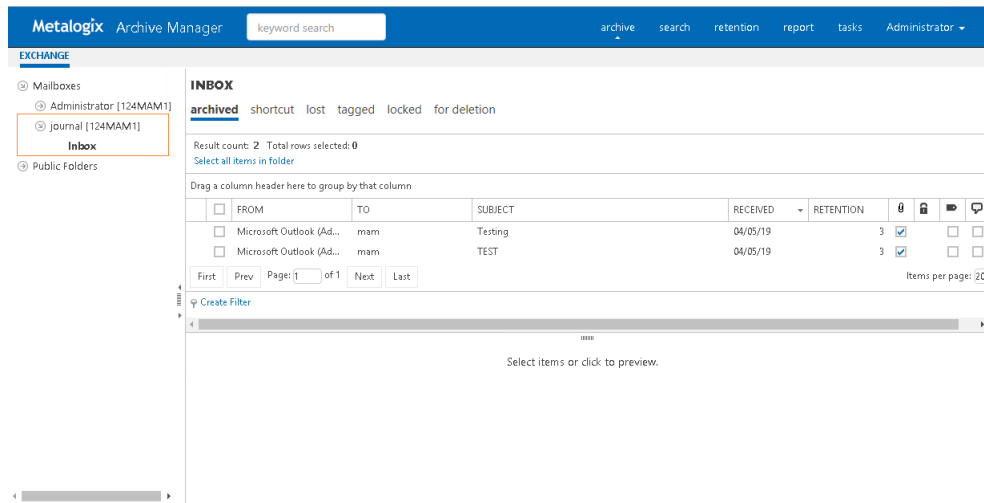
7. Repeat the above steps to grant the **Auditor access** permission to at least one or more users as needed.

## Steps to log in as an auditor

1. If you have the **Auditor access** permission, enter your username and password in the ArchiveWeb log in page.
2. Toggle the **Auditor access** button to turn on the feature. Notice that the username field label changes to **Auditor 1 username**. This is the account that will be used to log in as an auditor.
3. Click **Log in**. The **Auditor 2 username** field appears.



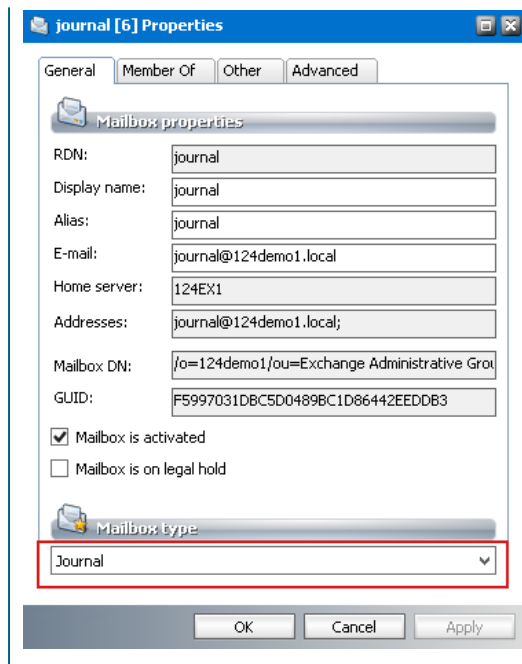
4. Enter the username of another user who has the **Auditor access** permission in the format *domain\username*.
5. Click **Log in** again.
6. If the two-user authentication succeeds, the Metalogix Archive Manager workspace appears.
7. From the top bar, click **archive** to open the archive view.
8. Click the **Exchange** tab.
9. Expand the **Mailboxes** node and select a journal to view its contents.



**i NOTE:** If you have added a journal mailbox but cannot see its contents, check the **Mailbox type** property of the mailbox.

**To specify a journal type mailbox follow the steps below:**

1. Select the journal mailbox, and right-click to open the context menu
2. From the context menu select **Properties** to open the Properties window.
3. In the **General** tab, locate the **Mailbox type** property.
4. Set this value to **Journal** by selecting the value from the dropdown.
5. Click **OK** to confirm the change and return to the mailbox.



## Profile

The **Profile** page helps you set the display preferences of logged in users.

In this topic:

- [Steps to open the Profile page](#)
- [Steps to set global defaults](#)
- [Steps to customize the profile](#)

### PROFILE HOMEPAGE

- [Homepage](#)

### PROFILE SETTINGS

- [Style settings](#)
- [Tasks settings](#)
- [Search settings](#)
- [Treeview settings](#)
- [Grid settings](#)
- [Exchange settings](#)
- [Audit settings](#)

## Steps to open the Profile page

1. Log in to ArchiveWeb.
2. Click your username from the top-right corner.
3. Select **Manage settings** from the dropdown.
4. Click **Profile** from the local menu bar and click **Settings**.

## Steps to set global defaults

### To create a default profile:

When the administrator or super-user changes the default settings and Home page choices the administrator or super-user must click **Set as default** at the bottom-right of the page. These settings will be updated in the database as serves as the most current default settings.

### To set a default profile for all users:

When a default profile exists, click **Set default values for all users** at the bottom- right of the page. By clicking this button all user profiles stored in the database will be replaced by the latest default settings. For users who do not have a stored profile, the latest default profile will be used. Personalized shared mailboxes and tags stored in the user's profile will not be replaced.

## Steps to customize the profile

### To customize a personal profile:

When a user makes changes to the settings or Home page tabs, the user must click **Apply changes** at the bottom-right of the page, to save the customized profile in the database.

### To reset a profile:

The user can click **Reset** at the bottom-right of the page, to replace their profile with the latest default profile from the database. Personalized shared mailboxes and tags stored in user's profile will not be replaced.

## Home Page

Under the Home Page node select which page should be displayed after you log in to ArchiveWeb.

## Style settings

### STYLE

Language:\*  ▼  
\* Please re-login for the changes to take effect.

Date/Time format:  ▼

Maximum preview size [MB]:

- **Language** - select the language for the application. The default language depends on the Windows local setting of the Archive Manager server. If you change this setting, you must log out and log in again.
- **Date/Time format** - select your preferred date and time format. The default value depends on regional settings of your computer and the language selected in the Profile. When profile language is changed, date/time format is changed accordingly
- **Maximum preview size [MB]** - sets maximum file size that can be opened in a preview-pane. Displaying large item (with size more than 20MB) can cause out-of-memory exception. Default value is 20 MB.

## Tasks settings

### TASKS

Automatic refresh interval (in seconds):  ▼

Delete completed task: ☒

- **Automatic refresh interval** (in seconds) - determines how often the *Tasks* list will be refreshed. Setting small intervals may cause performance issues. The default interval is 10 seconds.
- **Delete completed task** - switch on this option to automatically delete completed task which do not return a value like database tasks such as *Add/Remove Tag*, *Set/Unset legal hold flag*, *Mark for deletion* and *Extend retention time*. If the option is switched off, all completed tasks will be listed.



## Search settings

### SEARCH

Show search field in header:	<input checked="" type="checkbox"/>
Remember last mailbox / server selection:	<input checked="" type="checkbox"/>
Maximum number of search results:	<input type="text" value="10000"/>
Keyword:	<p><input checked="" type="radio"/> Exact phrase</p> <p><input type="radio"/> Starts with *, e.g. *test</p> <p><input type="radio"/> Ends with *, e.g. test*</p> <p><input type="radio"/> Enclosed in *, e.g. *test*</p>
Match highlight:*	<input type="checkbox"/> * This function is available only for Exchange
Match highlight color:	<input type="text" value="#FFFF80"/>
Keyword search behavior:	<p><input type="radio"/> Search only in my mailbox</p> <p><input checked="" type="radio"/> Search in all accessible mailboxes</p>
Set default search scope:	<p><input checked="" type="checkbox"/> Exchange</p> <p><input checked="" type="checkbox"/> Files</p>

- **Show search field in header** - switch on this option to display the keyword search field in the page header. Switch off this option to hide the keyword search field in the page header. The Administrator can permanently hide the keyword search in the page header by adding the `ShowTopSearchPanel` key in the **Web.config** file. The default folder is `C:\Program Files (x86)\Metalogix\ArchiveWeb`.

```
<appSettings>
...
...
<add key="ShowTopSearchPanel" value="false"/>
</appSettings>
```

When the key value is set to false, the **Show search field in header** setting will not be available in the **Profile** page and users will not be able to display the keyword search field.

- **Remember last mailbox / server selection** - when *Metalogix Archive Manager for Exchange* is installed and this option is switch on, all mailboxes that were selected in the previous search operation are selected by default in *Search > Mailboxes* for subsequent search operations as long as the user has permissions to search those mailboxes. When this option is switched off, the user must select the mailboxes before a search operation. Similarly, when *Metalogix Archive Manager for Exchange* is installed and this option is switch on, all servers that were selected in the previous search operation are selected by default in *Search > Servers* for subsequent search operations as long as the user has permissions to search those servers. When this option is switched off, the user must select the servers before a search operation.

- **Maximum number of search results** - determines the maximum number of search results are returned from a search.
- **Keyword** - choose a wildcard format to use with the keyword search.
  - **Exact phrase** - no wildcards are added. The user can add a wildcard manually if needed.
  - **Starts with \*** - A wildcard is added at the beginning of a keyword e.g. \*sunshine
  - **Ends with \*** - A wildcard is added at the end of a keyword e.g. sunshine\*
  - **Enclosed in \*** - A wildcard is added at the beginning and end of a keyword e.g. \*sunshine\*
- **Match highlight** - switch on this option to highlight the search phrase in the search results. Available only for *Metalogix Archive Manager for Exchange*.
- **Match highlight color** - color picker to choose a color for the highlight.
- **Keyword search behavior** - sets the default **Search scope** for keyword search setting in the *Search* tab only for *Metalogix Archive Manager for Exchange*. Choose from the following options:
  - **Search only in my mailbox** - by default only the logged on user's mailbox is pre-selected for a keyword search operation.
  - **Search in all accessible mailboxes** - by default all accessible mailboxes are pre-selected for a keyword search operation.
- **Set default search scope** - Choose the default search scope for keyword search.
  - **Exchange** - allows you to search in archived emails. Available if *Metalogix Archive Manager for Exchange* is installed.
  - **Files** - allows you to search in archived files. Available if *Metalogix Archive Manager for Files* is installed.

## Treeview settings

### TREEVIEW

Maximum text length:

**Maximum text length** - the Treeview's node text will be trimmed to the number of characters specified.

## Grid settings

### GRID

Paging: ☐ Endless paging  
☒ Show paging

Journal highlight color:

Items per page:

- **Paging** - select **Endless paging** to display all items on one page. Select **Show paging** to limit the number of items on one page.
- **Journal highlight color** - choose a color from the color picker control to highlight the journal items.
- **Items per page** - If **Show paging** is selected, set the number of items to be displayed per page. This number applies to the **full grid view**.

## Exchange settings

### EXCHANGE

Columns: Archive:   
Search:

Show inactive mailboxes: ☒

Use grid view: ☒ Simple  
☐ Full

- **Columns** - sets the columns and the order that they are displayed in a list.
  - **Archive** - These column headers are used in the Archive page: *Select All, From, To, Subject, Received, Retention, Attachment, Locked, Tagged, Commented*
  - **Search** - These column headers are used in the Search results page: *Select All, From, To, Subject, Folder, Received, Version, Attachment, Locked, Tagged, Commented*
- **Show inactive mailboxes** - switch on this option to display inactive mailboxes in Archive and Search views. The Administrator can override this setting by `ShowNotActiveMailbox` key in the **Web.config** file. The default folder is `C:\Program Files (x86)\Metalogix\ArchiveWeb`.

```
<appSettings>
...
...
  <add key="ShowNotActiveMailbox" value="true"/>
</appSettings>
```

When the key value is set to true, all users will have permission to show inactive mailboxes.

- **Use grid view** - allows users to set the list view type.
  - **Simple** - (default grid type) Select this option so that list operations such as custom filters, sorting and ordering are performed on items currently displayed in the list as defined by the **Items per page** option in the *Grid* settings or in the table itself (see the [List view conventions](#) section). Using **Simple** grid dramatically improves the list performance especially when working with a large number of items. **Simple** grid can be used only for *Archive* views.
  - **Full** - Select this option so that list operations such as custom filters, sorting and ordering can be performed on the entire data set of the list irrespective of limits defined by the **Items per page** option in the *Grid* settings. This option is not recommended for huge data sets. **Full** grid can be used in Auditing and Search result lists.

## Audit settings

**AUDIT**

Columns: Report:

Use grid view: ☒ Simple ☐ Full

- **Columns** - sets the columns and the order that they are displayed in a list.
  - **Report** - These column headers are used in the Archive page: *Select All, Log level, Log date, Method, Computer, User, Category, Tagged*
- **Use grid view** - allows users to set the list view type.
  - **Simple** - (default grid type) Select this option so that list operations such as custom filters, sorting and ordering are performed on items currently displayed in the list as defined by the **Items per page** option in the *Grid* settings or in the table itself (see the [List view conventions](#) section). Using **Simple** grid dramatically improves the list performance especially when working with a large number of items. **Simple** grid can be used only for *Archive* views.
  - **Full** - Select this option so that list operations such as custom filters, sorting and ordering can be performed on the entire data set of the list irrespective of limits defined by the **Items per page** option in the *Grid* settings. This option is not recommended for huge data sets. **Full** grid can be used in Auditing and Search result lists.

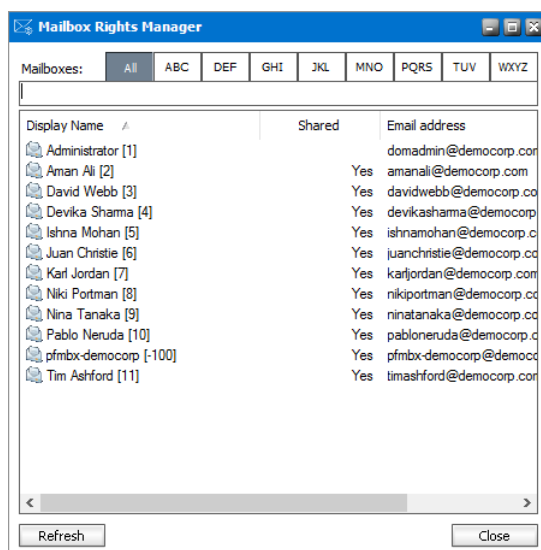
## Shared Mailboxes

This management setting is available only when Archive Manager for Exchange is installed and configured for ArchiveWeb.

### Steps to set up shared mailboxes

1. Log in to the Archive Manager Administration Center (AMAC) for Exchange

- From the **Tools** menu, click **Mailbox Rights Manager** and configure who can share the mailbox of each user.



- Log in to ArchiveWeb.
- From the main menu, click the username dropdown and then select **Manage settings**.
- From the local toolbar, click **Shared Mailboxes** and verify that you can see the mailboxes of the users that have been shared with you. For example, the image below lists all the mailboxes that are shared with the logged in administrator.

Metalogix

Archive Manager ArchiveWeb

keyword search

archive

search

retention

report

tasks

Administrator

ROLES

PERMISSIONS

PROFILE

SHARED MAILBOXES

TAGS

MANAGEMENT


Total rows selected: 11

Clear selection

Drag a column header here to group by that column


<input checked="" type="checkbox"/>	LOCATION	DISPLAY NAME	ALIAS	EMAIL ADDRESS	LDAP PATH	MAILBOX DN	DOMAIN	ACCOUNT ACTIVE	ACCOUNT ON LEGAL HOLD
<input checked="" type="checkbox"/>	AMXSERVER	Aman Ali	amanali	amanali@dem...	CN=Aman Ali...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	David Webb	davidwebb	davidwebb@d...	CN=David We...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Devika Sharma	devikasharma	devikasharma...	CN=Devika Sh...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Ishna Mohan	ishnamohan	ishnamohan@...	CN=Ishna Mo...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Juan Christie	juanchristie	juanchristie@d...	CN=Juan Chris...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Karl Jordan	karljordan	karljordan@de...	CN=Karl Jorda...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Niki Portman	nikiportman	nikiportman@...	CN=Niki Port...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Nina Tanaka	ninatanaka	ninatanaka@d...	CN=Nina Tana...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Pablo Neruda	pabloneruda	pabloneruda@...	CN=Pablo Ner...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	pfmbx-democ...	pfmbx-democ...	pfmbx-democ...	CN=pfmbx-de...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Tim Ashford	timashford	timashford@d...	CN=Tim Ashfo...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- By default all mailboxes are selected. When there are a large number of mailboxes that are shared, you can select only those mailboxes that you want to see in other sections of ArchiveWeb. You can use the column filters to search for mailboxes. This makes it easier to manage mailboxes in other sections of ArchiveWeb as shown below:

- In the Archive > Exchange > Navigation panel. Click the search filter  to specify a keyword.

**Metalogix** Archive Manager ArchiveWeb

**EXCHANGE**

Mailboxes 

- Aman Ali [AMXSERVER]
- David Webb [AMXSERVER]
- Devika Sharma [AMXSERVER]
- Ishna Mohan [AMXSERVER]
- Juan Christie [AMXSERVER]
- Karl Jordan [AMXSERVER]
- Niki Portman [AMXSERVER]
- Nina Tanaka [AMXSERVER]
- Pablo Neruda [AMXSERVER]
- Tim Ashford [AMXSERVER]

Public Folders

- pfmbx-democorp [AMXSERVER]
  - Accounts-News
  - Conference

Tags +

**INBOX**


**archived** shortcut lost tagged locked for del

Result count: 21 Total rows selected: 0  
[Select all items in folder](#)

Drag a column header here to group by that column

<input type="checkbox"/>	FROM	TO
<input type="checkbox"/>	juanchristie@democorp....	davidwebb@democorp....
<input type="checkbox"/>	timashford@democorp....	davidwebb@democorp....
<input type="checkbox"/>	pabloneruda@democorp....	davidwebb@democorp....
<input type="checkbox"/>	ninatanaka@democorp....	davidwebb@democorp....
<input type="checkbox"/>	nikiportman@democorp....	davidwebb@democorp....
<input type="checkbox"/>	karljordan@democorp.c...	davidwebb@democorp....
<input type="checkbox"/>	juanchristie@democorp....	davidwebb@democorp....
<input type="checkbox"/>	ishnamohan@democorp....	davidwebb@democorp....
<input type="checkbox"/>	devikasharma@democo...	davidwebb@democorp....

First Prev Page: 1 of 2 Next Last

- In the Search > Mailboxes > List view. Enter a search criteria for any of the columns and click the search filter  to select a search operation. You can set search criteria for multiple columns.

**Metalogix** Archive Manager ArchiveWeb

**SEARCH** HISTORY TEMPLATES

CRITERIA

**MAILBOXES**

DOCUMENT TAGS

Total rows selected: 12  
[Clear selection](#)

Drag a column header here to group by that column

<input checked="" type="checkbox"/>	LOCATION	DISPLAY NAME	ALIAS	EMAIL ADDRESS	L
<input checked="" type="checkbox"/>	AMXSERVER	Administrator	domadmin	domadmin@d...	
<input checked="" type="checkbox"/>	AMXSERVER	Aman Ali	amanali	amanali@dem...	
<input checked="" type="checkbox"/>	AMXSERVER	David Webb	davidwebb	davidwebb@d...	
<input checked="" type="checkbox"/>	AMXSERVER	Devika Sharma	devikasharma	devikasharma...	
<input checked="" type="checkbox"/>	AMXSERVER	Ishna Mohan	ishnamohan	ishnamohan@...	
<input checked="" type="checkbox"/>	AMXSERVER	Juan Christie	juanchristie	juanchristie@d...	
<input checked="" type="checkbox"/>	AMXSERVER	Karl Jordan	karljordan	karljordan@de...	
<input checked="" type="checkbox"/>	AMXSERVER	Niki Portman	nikiportman	nikiportman@...	
<input checked="" type="checkbox"/>	AMXSERVER	Nina Tanaka	ninatanaka	ninatanaka@d...	
<input checked="" type="checkbox"/>	AMXSERVER	Pablo Neruda	pabloneruda	pabloneruda@...	
<input checked="" type="checkbox"/>	AMXSERVER	pfmbx-democ...	pfmbx-democ...	pfmbx-democ...	
<input checked="" type="checkbox"/>	AMXSERVER	Tim Ashford	timashford	timashford@d...	

# Tags

Tags are used to categorize your archived items. You can create as many categories as you want, assign them colors, and then apply them to your archived items. This make it easy to search through your tagged items and distinguish e.g. important emails, documents related a particular project, etc.

Tags are centrally managed in the **Manage Settings > Tags** tab.

In this topic:

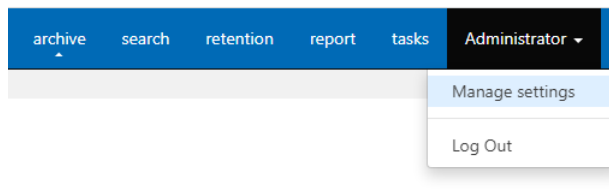
- [Steps to create a tag](#)
- [Steps to edit a tag](#)
- [Steps to delete a tag](#)
- [Steps to add tags to items](#)

## Steps to create a tab

Tags can be created in several ways.

### Create a tab from the Tags tab

1. Log in to ArchiveWeb. Then click your user display name and select **Manage Settings**.



2. Click **Tags** from the local menu bar. All tags are listed, added, edited or deleted here.

**i** | **NOTE:** Managing **Tags** from the Settings view requires special permissions. For more information see [Roles](#) and [Permissions](#).

3. Click **New** in the list header. A new row will be added to the list view. Enter the tag properties as described below:

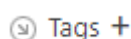
	TAG NAME	BACKGROUND COLOR	APPLY FOR
<a href="#">Update</a> <a href="#">Cancel</a>			
<a href="#">Edit</a> <a href="#">Delete</a>	Audit	■ #FF0000	Auditing
<a href="#">Edit</a> <a href="#">Delete</a>	Labor	■ #FF7F00	Exchange archive
<a href="#">Edit</a> <a href="#">Delete</a>	Market	■ #FFD700	Exchange archive
<a href="#">Edit</a> <a href="#">Delete</a>	Riga	■ #00FF00	Auditing;File archive
<a href="#">Edit</a> <a href="#">Delete</a>	Sparta	■ #0000FF	File archive
<a href="#">Edit</a> <a href="#">Delete</a>	Training	■ #4B0082	Global
<a href="#">Edit</a> <a href="#">Delete</a>	Venice	■ #9400D3	Global

- **Tag Name** - enter descriptive name, e.g. “Personal”, “Marketing” or any other
- **Background Color** - click the dropdown and select the tag color or specify a custom color.
- **Apply For** - scope of the tag. Choose one or more from the following options
  - **Global** - tags are available for Archive Manager for Exchange, Archive Manager for Files and Audit.
  - **Exchange archive** - tags are available for Exchange archive
  - **Files archive** - tags are available for File archive
  - **Auditing** - tags are available for Archive

4. Click **Update** to save the changes. The new tab will be added to the tab list.

### **Create a Tag from the Archive > Exchange view or Report > Audit view**

1. Log in to ArchiveWeb and open the **Archive > Exchange** view or **Report > Audit** view.
2. Click the + icon next to the **Tags** node in the navigation pane.



3. Enter the tag details in the **Add New Tag** dialog.

4. Click **OK** to save the tag.

### **Create a tag from item preview**

1. Log in to ArchiveWeb and search for any archived items.
2. Select any item. from the preview pane click the + icon next to the **Tags** property.



Timashford@democorp.com

9/11/2020 2:33:49 AM

To: Nina Tanaka

• Version 1

• Tags: +

As for filling in the relationship gap:

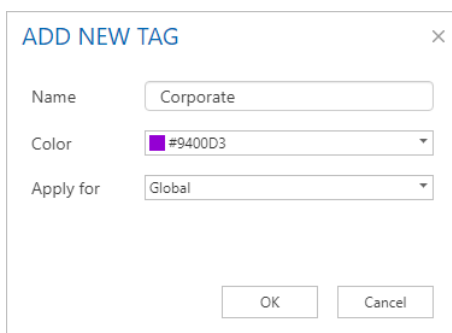
\* You should make a concerted effort to meet one-on-one with all the key people you plan to persuade. This i

\* Another option is to involve like-minded coworkers who already have strong relationships with your audience

Regards

Tim

3. Click + **Add new tag** in the **Add Tag** window that opens.
4. Enter the tag details in the **Add New Tag** dialog.



ADD NEW TAG

Name: Corporate

Color: #9400D3

Apply for: Global

OK Cancel

5. Click **OK** to save the tag.

## Steps to edit a tag

1. Click your user display name and select **Manage Settings > Tags**.
2. Click **Edit** for the tag that you want to change.
3. When you are done with your changes, click **Update** to save your changes.

## Steps to delete a tag

4. Click your user display name and select **Manage Settings > Tags**.
5. Click **Delete** for the tag that you want to remove.
6. Click **Yes** in the confirmation dialog.

## Steps to add and remove tags from items

Tags can be added to:

- emails - if the tag is applicable to Global or Exchange archive
- documents - if the tag is applicable to Global or File archive
- auditing items - if the tag is applicable to Global or Audit

1. Locate the item under Archive > Exchange view or Archive > Files or Report > Auditing tab, or search for an archived item.
2. Select the item to view the item details in the preview pane.
3. To add a tag, do one of the following:
  - Use the MENU option
    - a. Click **MENU** from the right upper corner in the preview pane.
    - b. Click **Add tags**. From the **Add Tag** window that opens, select the tags you want to add to the item, and click **OK**.
  - Use the Tags + property in the item details
    - a. Click the + icon next to the **Tags** property.
4. In the **Add Tag** window that opens select one or more tags that you want to add to the item and click **OK**. Once the tag has been added to the items, it will be visible in the list view and preview.
5. To remove a tag, do one of the following:
  - Use the MENU option
    - c. Click **MENU** from the right upper corner in the preview pane.
    - d. Click **Remove tags**. From the **Remove Tag** window that opens, clear the tag checkboxes that you want to remove from the item, and click **OK**.
  - Use the Tags property in the item details
    - b. Click **X** next to the tags that you want to remove from the **Tags** property. Click **Yes** in the confirmation window that opens.

# Management

Management section constitutes centralized dashboard where user with appropriate permissions can manage specific configuration settings in the following sections:

- File Management

Adding, editing and removing of Archive Manager for Files servers which together establish the file archive system. Additionally, with Scheduler capabilities, Archive Manager for Files jobs are easily managed in the same way as on the Scheduler tab of the Enterprise Manager (Archive Manager for Files).

- Search Management

Registering and managing search servers in the environment.

## Search Management

Search Management section is displayed only if appropriate permission is set for the user. This section allows managing of Search servers installed in the environment. Specifying search servers on this tab is prerequisite of search functionality. With no search server defined, search is not available.

After clicking on the **Search servers** menu, the available Search servers will be listed in the main pane.

**NOTE:** If web.config file contains information about Search server(s) (this is applicable if upgrading from previous versions of ArchiveWeb) the list will be automatically populated.

By clicking the **Delete** option the respective Search server will be removed, i.e. it will not be used for Searches.

To add a new Search server click **New** option in the list header. It will add a new row to the list where you can specify the Search server properties.

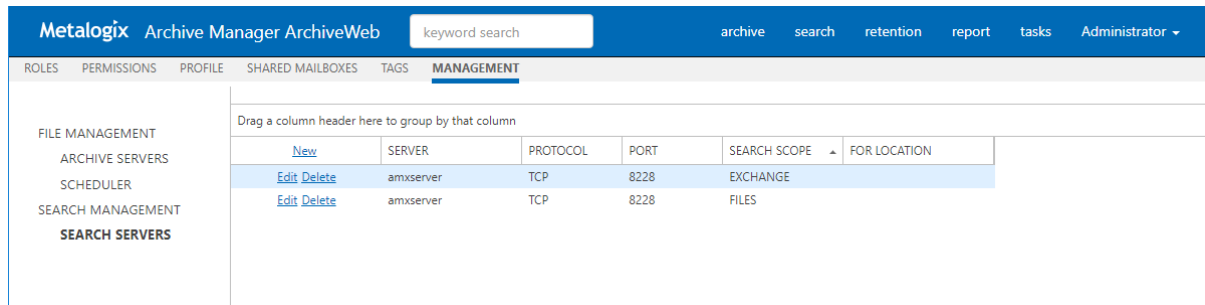
**NOTE: Avoid using *localhost* as Server Name.**

By clicking the **Edit** option next to the given server, you can change server properties. The **Search Scope** marks for which Archive Manager the given search server has been installed (Archive Manager for Files/Exchange).

**For Location** - this property is applicable only for Archive Manager for Exchange search servers. For a Search server you can specify a location which the respective Search server "covers" by selecting a location from a "FOR LOCATION" dropdown. This dropdown lists all locations defined in Archive Manager for Exchange in a location where the logged in user has active mailbox. (For more information on locations see the *Archive Manager for Exchange Administration Guide*.)

Provided there are more Archive Manager for Exchange locations in the environment and each has its own search server, the given search servers must be listed with correct location.

**i** | **NOTE:** If there are more locations but only one search server for locations, leave the **For Location** property blank.



The screenshot shows the Metalogix Archive Manager ArchiveWeb interface. The top navigation bar includes 'Metalogix', 'Archive Manager', 'ArchiveWeb', a 'keyword search' input field, and links for 'archive', 'search', 'retention', 'report', 'tasks', and 'Administrator'. Below this is a secondary navigation bar with 'ROLES', 'PERMISSIONS', 'PROFILE', 'SHARED MAILBOXES', 'TAGS', and 'MANAGEMENT' (which is highlighted). On the left side, there is a sidebar menu with 'FILE MANAGEMENT', 'ARCHIVE SERVERS', 'SCHEDULER', 'SEARCH MANAGEMENT', and 'SEARCH SERVERS'. The main content area is titled 'MANAGEMENT' and contains a table with columns: 'SERVER', 'PROTOCOL', 'PORT', 'SEARCH SCOPE', and 'FOR LOCATION'. There are two rows of data: one for 'EXCHANGE' and one for 'FILES'. Each row has 'Edit' and 'Delete' links. Above the table, there is a prompt: 'Drag a column header here to group by that column'.

SERVER	PROTOCOL	PORT	SEARCH SCOPE	FOR LOCATION
amxserver	TCP	8228	EXCHANGE	
amxserver	TCP	8228	FILES	

## Federated Search

If you're using more locations, you can setup a Search service for each location. Each Search service will index items on its location.

To setup Federated search (search over more search servers) in ArchiveWeb you have to modify the Search servers ([Search Management](#)) by specifying "FOR LOCATION" value.

Federated search allows you to collect results from more search servers in one search request. You can perform federated search over all available (according to permissions) search areas:

- Exchange
- Files
- Common

# ArchiveWeb Interface and conventions

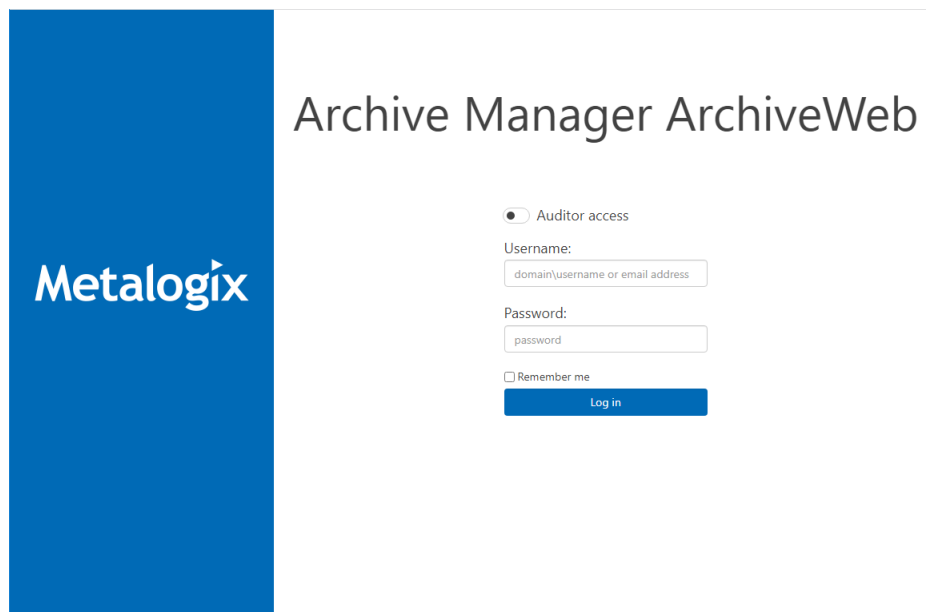
After browsing the ArchiveWeb URL (<http://<ArchiveWebServerName>/archiveweb>), the Login window gets displayed. Users are asked to enter their name (or “domain name\username” or “email address”) and password. Email address should be:

- Office365 email address
- Active Directory Domain email address in format <name>@domain.com.

Please note: johnSmith@ateam.com is equivalent to ateam\johnSmith.

Default language depends on the Windows local setting of the Archive Manager server.

NOTE: When Integrated Windows authentication is turned on, the login page is skipped and the logged-in user’s credentials are used. This is set in C:\Program Files\ Common Files\ PAM\ Web \ ArchiveWeb \ Web.config where <authentication mode = “windows”>.



After logging in correctly, the ArchiveWeb application opens. The top-page main bar contains search box (keyword searching in e-mail body, attachments, file content) and tabs – archive, search, report – representing the activated features of Archive Manager. Once you click one, the grey sub-bar under the main pane displays additional options.

Further, in the right upper corner you may see the logged on user. Click it to unfold the dropdown menu offering the following options:

- Manage settings option provides access to further settings based on user permissions:

- Log out option is to be used when logging off

After clicking Manage Settings, the following menu options appear on the displayed menu bar:

The Roles option is available if the user has necessary permissions. Under this option you can manage user/ArchiveWeb roles assignment based on roles (see the “Roles” section).

The Permissions option is available if the user has necessary permissions. Under this option you can manage user/ArchiveWeb roles assignment based on users (see the “Permissions” section).

The Profile option allows you to adjust ArchiveWeb layout to your liking (see the “Profile Settings” section).

The Shared Mailboxes option is available only when Archive Manager for Exchange is installed and configured for ArchiveWeb.

When shared mailboxes are set for a currently logged user in Archive Manager for Exchange -> Tools -> Mailbox Rights Manager the grid will be populated and a user can select which mailbox(es) the user likes to be listed in Archive’s mailboxes tree and in searchable mailboxes.

Under the Tags option one can create tags for archive or auditing items (see the “Tags” section).

The File Management option is available if the user has necessary permissions. Under this option you can manage file servers and scheduled jobs (see the ["File Management"](#) section).

The Keyword search box in the upper part of the window was designed for fast and easy searching in archives - Archive Manager for Exchange archive as well as Archive Manager for Files archive. Enter the expression and click Enter.

NOTE: Email attachments, email bodies and file contents are searched through only if Keyword search is installed.

## List view conventions

With advanced list view functionality provided with every ArchiveWeb list view you can easily search even in huge lists of items and adjust the list to your specific needs. List view functions are the same as for all ArchiveWeb lists. In the main pane you can switch between these types of items by clicking on the respective filter:

- archived - all folder archived items except items marked for deletion
- shortcut - archive items with shortcut in mailbox
- lost - archived items with no reference in mailbox/file system
- tagged - archived items with tag(s)
- locked - locked archived items
- for deletion - archived items that are marked for deletion, i.e. they will be deleted when their retention period expires (and delete job runs)

**Preview** (if available) of any item you click on appears below the list view. To open **More actions** menu for the item click the **More actions** link (MENU) on the right bottom below the list.

*Pop-up preview* feature is also available for Exchange, Files, Auditing and Search results items. When a user double-clicks anywhere in the item's line, the item opens in pop/up window full

screen mode with all functionality as in normal view, such as multi/action menu (MENU), and comments area.

EXCHANGE

FILES

Mailboxes

Aman Ali [AMXSERVER]

David Webb [AMXSERVER]

Inbox

Devika Sharma [AMXSERVER]

Ishna Mohan [AMXSERVER]

Juan Christie [AMXSERVER]

Karl Jordan [AMXSERVER]

Niki Portman [AMXSERVER]

Nina Tanaka [AMXSERVER]

Pablo Neruda [AMXSERVER]

Tim Ashford [AMXSERVER]

Public Folders

INBOX

archived

shortcut

lost

tagged

locked

for deletion

Result count: 21 Total rows selected: 0

Select all items in folder

Drag a column header here to group by that column

	FROM	TO	SUBJECT	RECEIVED	RETENTION
<input type="checkbox"/>	nikiportman@democor...	David Webb	Red at the Bone	09/11/20	
<input type="checkbox"/>	karljordan@democorp.c...	David Webb	Mostly Dead Things	09/11/20	
<input type="checkbox"/>	juanchristie@democorp....	David Webb	In the Dream House: A Memoir	09/11/20	

First

Prev

Page: 1 of 2

Next

Last

Red at the Bone

Nikiportman@democorp.com

9/11/2020 2:33:55 AM

To: David Webb

• Version 1

• Tags: +

MENU

Download as MSG file

Download as EML file

Restore

Restore to

Export to ZIP

Add tags

Remove tags

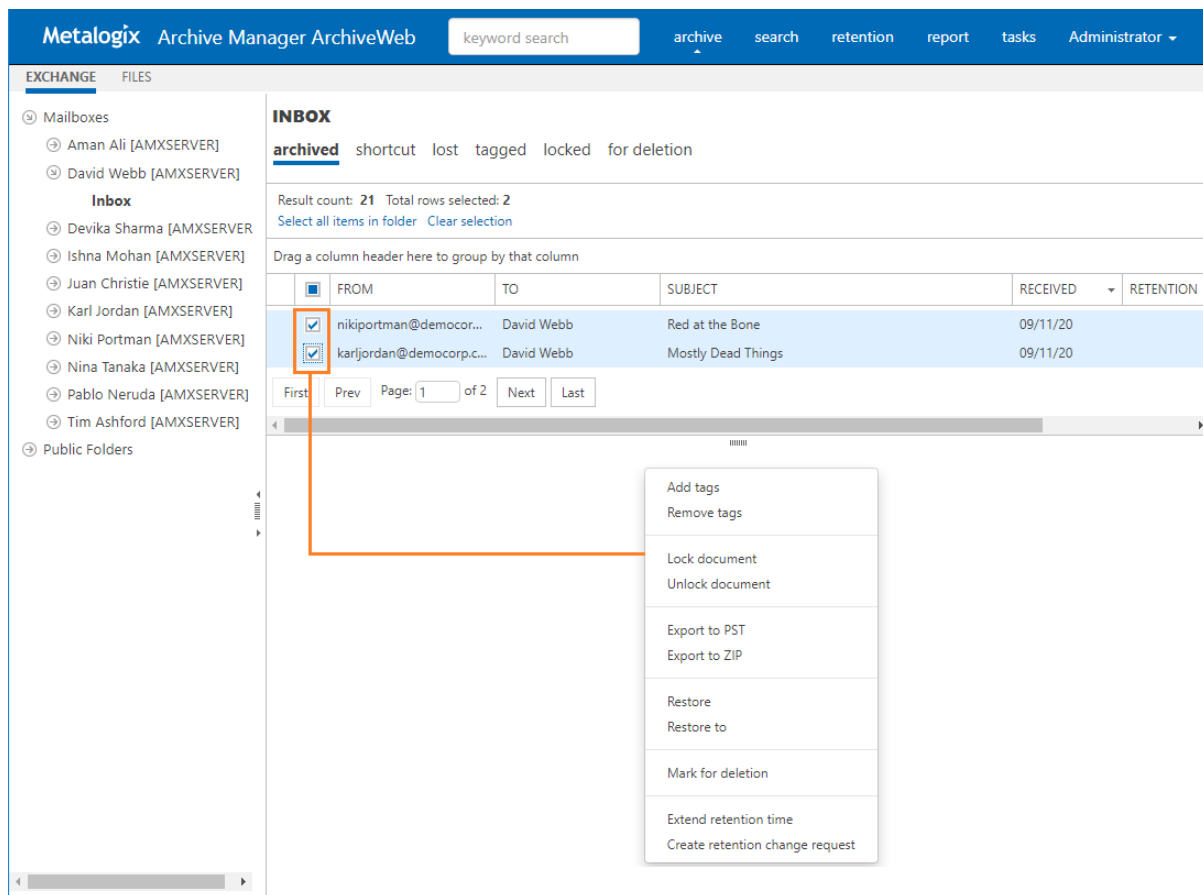
Lock document

Mark for deletion

Extend retention time

Create retention change request

checkboxes are designed for multi-select. If MORE THAN ONE item is selected, **More actions** menu appears automatically below the list.



Batch selection/unselection of items is done by clicking the **Select all rows (Select all items in folder)/Clear selection** action links just above the list. When **Select all rows/Select all items in folder** action links are selected, operations are performed over all items in the given folder. (See more under "Simple Grid" section.)

It is also possible to change the column order by simple drag-and-drop action. Individual columns can be shown or hidden - these settings are managed in user profile after clicking **<UserName> / Manage Settings / Profile** in *Columns* section.

Further, lists can be:

- **sorted** Change the column sorting order by selecting the given column header and clicking its down/up arrow on the right (in case the arrow is not visible adjust the width of the column by dragging the line)
- **grouped** Group table data by any column. To do so, drag the column header to the bar right above the table. Generated groups can be expanded by clicking the arrows next to them. As usual, the sorting order can be changed by clicking the little arrow in the dragged column header



**NOTE:** In case of SIMPLE grid (see the [Profile settings](#) section) Grouping apply just for items on the current page.

## Simple Grid

Simple Grid is specific type of grid available for Archive\Exchange, Archive\Files and Report\Auditing list view. It allows customization of the list view and offers some specific features for handling the list items as described further. *Simple Grid* option can be set under **<Logged-on User> / Manage settings / Profile / Settings**. When you select **Use grid view / Simple** option for the list view (e.g. for Exchange/Archive list view), the given list view will have page navigation controls and will allow user to set number of items to be displayed per page (Items per page) as shown in the screenshot below.

The screenshot shows the Metalogix Archive Manager ArchiveWeb interface. The top navigation bar includes 'archive', 'search', 'retention', 'report', 'tasks', and 'Administrator'. The left sidebar shows a list of mailboxes under 'EXCHANGE' and 'FILES'. The main content area displays the 'INBOX' folder with a table of items. The table has columns for 'FROM', 'TO', 'SUBJECT', 'RECEIVED', 'RETENTION', and several action icons. The 'Result count' is 21, and 'Total rows selected' is 0. The 'Select all items in folder' link is visible. The page navigation controls at the bottom show 'First', 'Prev', 'Page: 1 of 2', 'Next', and 'Last'. The 'Items per page' dropdown is set to 20.

	FROM	TO	SUBJECT	RECEIVED	RETENTION					
<input type="checkbox"/>	juanchristie@democorp...	davidwebb@democorp...	The Lion, The Witch and the Wardrobe	09/11/20	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	timashford@democorp...	davidwebb@democorp...	Trick Mirror	09/11/20	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	pabloneruda@democorp...	davidwebb@democorp...	The Topeka School	09/11/20	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	ninatanaka@democorp...	davidwebb@democorp...	The Glass Hotel	09/11/20	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	nikiportman@democorp...	davidwebb@democorp...	Red at the Bone	09/11/20	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	karljordan@democorp...	davidwebb@democorp...	Mostly Dead Things	09/11/20	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Asynchronous folder operations over folder are available for Simple Grid. Click the **Select all items in folder** link to perform operation over all items in a specified folder.

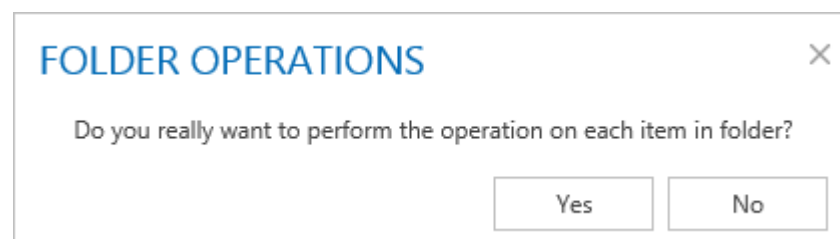
**NOTE:** The link does not appear on filter tabs such as “shortcut”, “lost”, “tagged”, “locked” and “for deletion”.

When a user clicks on the **Select all items in folder** link, the **Total rows selected** label will show the same number as **Result count** label shows. No item will be selected (see picture below).

Additionally, the preview pane displays folder operations menu (according to user permissions) except “Restore” functions. (“Restore” operations are not allowed as folder operations.)

Exchange	Files	Audit
<div>FOLDER OPERATIONS</div> <div><input type="checkbox"/> Include subfolders</div> <div>Add tags</div> <div>Remove tags</div> <div>Lock document</div> <div>Unlock document</div> <div>Export to PST</div> <div>Export to ZIP</div> <div>Mark for deletion</div> <div>Extend retention time</div> <div>Create retention change request</div>	<div>FOLDER OPERATIONS</div> <div><input type="checkbox"/> Include subfolders</div> <div>Add tags</div> <div>Remove tags</div> <div>Lock document</div> <div>Unlock document</div> <div>Export to ZIP</div> <div>Mark for deletion</div> <div>Extend retention time</div> <div>Create retention change request</div>	<div>FOLDER OPERATIONS</div> <div>Add tags</div> <div>Remove tags</div> <div>Export to XLS</div>

By selecting any operation from “FOLDER OPERATIONS” action menu, a confirmation dialog appears:



Only when a user confirms this dialog the operation will be added to the *Task list* queue. The *Task list* is regularly checked for new tasks. When task arrives and no other is running, the given task will be run. Otherwise the task will wait in a queue.

NOTE: Only one task can be performed at a time.

# Archive

This tab is displayed in ArchiveWeb navigation pane if Archive Manager for Exchange is installed in the environment. Under this tab you can handle emails archived by Archive Manager for Exchange. The Archive Manager archive is accessible even if the Exchange server is down. User can browse through emails, search in them, restore lost items etc. After clicking the **Archive** from the main bar and then **Exchange** from the grey sub-bar the Exchange Archive menu is unfolded on the left. It offers access to

- Mailboxes
- Public Folders

In our example we have logged in as an Administrator. Therefore, under the **Mailboxes** node you may see the **Administrator** folder. Providing that the administrator has rights to view other users' mailboxes; these mailboxes can be listed under the **Mailboxes** node.

Unfolding the **Administrator** node displays all directories where emails have been archived (i.e. emails residing in these directories have been archived with Archive Manager for Exchange and are now placed in the archive).

The screenshot shows the Metalogix Archive Manager ArchiveWeb interface. The top navigation bar includes 'Metalogix', 'Archive Manager ArchiveWeb', a 'keyword search' box, and tabs for 'archive', 'search', 'retention', 'report', 'tasks', and 'Administrator'. The left sidebar shows the 'EXCHANGE' tab selected, with a tree view containing 'Mailboxes' and 'Public Folders'. Under 'Mailboxes', several user folders are listed, including 'Aman Ali [AMXSERVER]', 'David Webb [AMXSERVER]', 'Devika Sharma [AMXSERVER]', 'Ishna Mohan [AMXSERVER]', 'Juan Christie [AMXSERVER]', 'Karl Jordan [AMXSERVER]', 'Niki Portman [AMXSERVER]', 'Nina Tanaka [AMXSERVER]', 'Pablo Neruda [AMXSERVER]', and 'Tim Ashford [AMXSERVER]'. The 'Public Folders' section shows 'democorp.com [AMXSERVER]'. The main content area displays the 'INBOX' for the selected mailbox, with a list of archived emails. The table has columns: FROM, TO, SUBJECT, RECEIVED, RETENTION, and icons for actions. The email 'The Topeka School' by Pablo Neruda is selected. Below the table, the email details are shown, including the subject 'The Topeka School', the sender 'Pabloneruda@democorp.com', the date '9/11/2020 2:33:57 AM', and the recipient 'To: davidwebb@democorp.com'. The email content is visible at the bottom.

FROM	TO	SUBJECT	RECEIVED	RETENTION	Icons
juanchristie@democorp...	davidwebb@democorp...	The Lion, The Witch and the Wardrobe	09/11/20	3	[Icons]
timashford@democorp...	davidwebb@democorp...	Trick Mirror	09/11/20	3	[Icons]
pabloneruda@democorp...	davidwebb@democorp...	The Topeka School	09/11/20	3	[Icons]
ninatanaka@democorp...	davidwebb@democorp...	The Glass Hotel	09/11/20	3	[Icons]
nikiportman@democor...	davidwebb@democorp...	Red at the Bone	09/11/20	3	[Icons]
karljordan@democorp.c...	davidwebb@democorp...	Mostly Dead Things	09/11/20	3	[Icons]

**NOTE:** Not all **Exchange** tab functions may be available for the logged-on user. The functions must be allowed for the user. For more information see the **Roles** and **Permissions** sections.

# Mailboxes node


The **Mailboxes** node can be expanded to view your mailbox sub-nodes. You can also see mailboxes of other users if you have been granted access rights in the Archive Manager Administration Center.

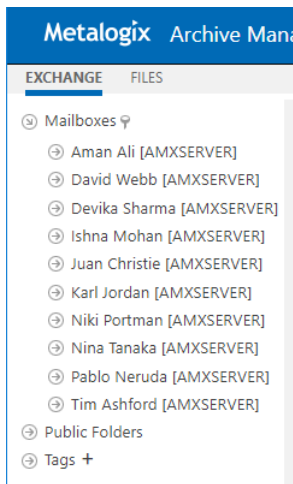
You can expand each mailbox to access the folders in the mailbox that contain archived emails. The content of the folder selected in the left pane is displayed in the main pane of the window. The list can be filtered by categories as listed above the list view:

- **archived** – all folder archived items except items marked for deletion
- **shortcut** – archived items with shortcuts in the mailbox are visible
- **lost** – items that were archived but later deleted from the Exchange server are visible; these LOST ITEMS are not accessible in the user mailbox any more
- **tagged** – items marked with any tag are visible
- **locked** – items that were locked are visible
- **for deletion** – items that were marked for deletion are visible because they are still in the archive and may be also visible in the mailbox as usual. When their retention period elapses, they will be deleted (see “Mark for deletion” option in the [More actions](#) topic)

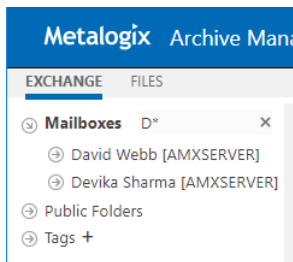
The screenshot shows the Metalogix Archive Manager interface. The top navigation bar includes the Metalogix logo, 'Archive Manager', a keyword search box, and links for 'archive', 'search', 'tasks', and 'user001'. The left sidebar shows a tree view with 'Mailboxes' expanded, listing users like Aman Ali, David Webb, Devika Sharma, Ishna Mohan, Juan Christie, Karl Jordan, Niki Portman, Nina Tanaka, Pablo Neruda, and Tim Ashford. The main pane displays the 'INBOX' for 'user001' with a filter for 'for deletion'. A table lists email items with columns for FROM, TO, SUBJECT, RECEIVED, and RETENTION. The selected item is from 'user001' to 'user001' with the subject 'paying no attention to the varying quality of the pastura...'. The detailed view below the table shows the email content: 'paying no attention to the varying quality of the pasturage in different'. The email is dated 3/29/2017 3:07:38 PM and is marked as 'High importance' and 'Private'.

## Filtering the Mailboxes node

1. When you have access rights to see a large number of mailboxes, you can use the mailbox filter to search for a subset of mailboxes as described below:
2. Click  next to the **Mailboxes** node.



3. Enter the mailbox name or use the asterisk wildcard with a partial name to filter the mailboxes (for example, enter D\* to filter all mailboxes that start with "D"). The search is case sensitive and the server name enclosed in square brackets is not included in the search.
4. Click **Enter** on your keyboard to get the filtered subset of mailboxes.




5. Click **X** to clear the filter.

For more list filtering options see the next section.

## List view

With advanced list view functionality provided with every ArchiveWeb list view you can easily search even in huge lists of emails and adjust the list to your specific needs. A list can be:

- sorted by any column – click the little arrow in the column header
- grouped by any column – drag the column to the bar just above the list
- filtered – click  to create/modify the filter

For more details see [List view conventions](#)

The following information are included directly in the list:

- From column – sender of the message
- To column - recipient(s) of the message
- Subject - email subject
- Received - receive date
- Retention - archive retention (in months)

- Attachment status (📎) – checked if email contains attachment(s)
- Lock status (🔒) – yellow lock icon if the user locked the email in their own mailbox; grey lock icon if the user locked the email in some shared mailbox
- Tagged status (🏷️) – checked if the email is tagged
- Commented status (💬) – checked if there are comments associated with the email

List columns can be managed (show/hide) in the *Columns* section of the user profile (click <UserName> / Manage settings / Profile / Settings).

When you select the email in the list, its properties (importance, versioning, attachments) and email body are displayed under the list view in the preview pane. Preview is available only for some file types, e.g. for. By clicking the attachments, they can be opened or downloaded.

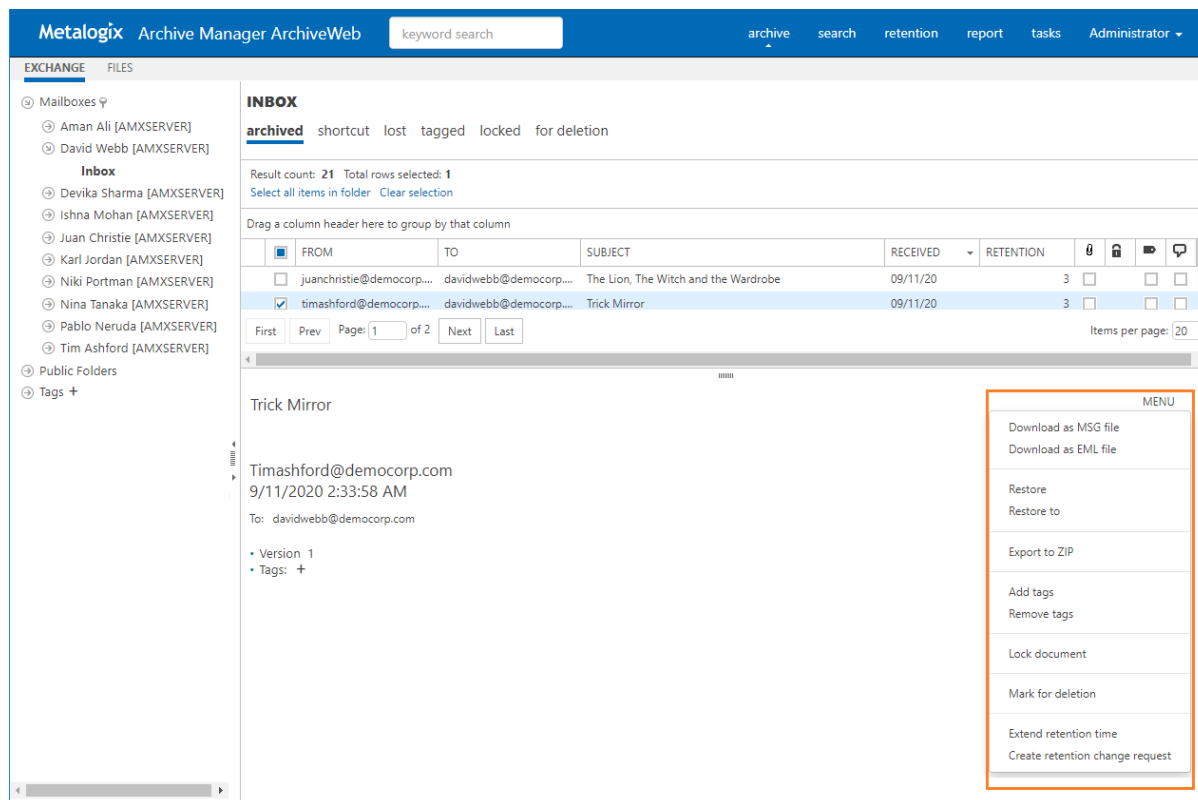
In the **Preview** pane, it is possible to add comments to emails. Simply scroll down in the **Preview** pane. Click plus sign (+) next to the **Comments** heading. Enter a note in the provided text box and click **Yes**. The comment with creation details is displayed under the **Comments** heading. Should the number next to the heading indicate some comments but none is visible, click the show/hide double-arrow (↕) to the right (see the screenshot below). The comments will be displayed.

The screenshot displays the Metalogix Archive Manager ArchiveWeb interface. The top navigation bar includes 'archive', 'search', 'retention', 'report', 'tasks', and 'Administrator'. The left sidebar shows a tree view with 'EXCHANGE' and 'FILES' sections, including 'Mailboxes' and 'Inbox' for various users like Aman Ali, David Webb, Devika Sharma, Ishna Mohan, Juan Christie, Karl Jordan, Niki Portman, Nina Tanaka, Pablo Neruda, and Tim Ashford. The main area is titled 'INBOX' and shows a list of emails. The selected email is from 'timashford@democorp.com' to 'davidwebb@democorp.com' with the subject 'Trick Mirror', received on 09/11/20. The preview pane shows the email body, which includes a quote from 'The New Yorker' and a signature 'Regards, Tim'. At the bottom of the preview pane, there is a 'Comments' section with a plus sign and a double arrow icon to toggle visibility.

**NOTE:** Not all **Exchange Archive** tab functions may be available for the logged-on user. The functions must be allowed for the user. For more information see the **Roles** and **Permissions** sections.

# More actions

In the preview pane the user can tag, lock or export archived items. All these and other actions are accessible through the **More actions** menu.



Some or all of the following option are available depending on your user permissions.

- **Download as MSG file** - download the selected email in MSG format (not available when multiple items are selected).
- **Download as EML file** - download the selected email in EML format (not available when multiple items are selected).
- **Restore** - restore the whole archived item to the current shortcut location in the mailbox (the item in the archive is not changed in any way).
- **Restore to** - restore the whole archived item to any folder accessible in your ArchiveWeb, i.e. to any folder where something has been already archived.

**i** **NOTE:** In case of lost items the **Restore** action restores item to its original location. **Restore to** restores item to specified location and both make it accessible for the user in the mailbox. The **Restore to** functionality is not applicable to Public folder items.

- **Export to ZIP** - compress and export the selected email(s) and define a password for the zip file.
- **Export to PST** - available when multiple items are selected.

- **Add tags / Remove tags** - tag your items. You can use existing tags or create new ones from the pop-up dialog.
- **Lock document / Unlock document** - manage document locks (for more information see the [Legal hold – lock documents](#) topic).
- **Mark for deletion** - marks the given item(s) for deletion in the archive, i.e. when the retention time elapses, the item(s) will be completely deleted from the archive. Until then they stay unchanged. To display only items marked for deletion, click the deleted category above the list view.
- **Extend retention time** - increase the time for which the item cannot be deleted from the archive. Setting shorter retention than the actual retention is not supported. After the specified period (in months) the item can be deleted manually or by a **Delete job** if such is scheduled in the Archive Manager Administration Center. For more information about creating a retention change request see the [GDPR](#) chapter.

## Legal hold – lock documents

For audit purposes found documents and emails can be locked by the user. When the item is locked, it remains in the state in which it was locked, i.e. it cannot be deleted, edited etc. simply it cannot be changed in the system.

To lock emails: Locate the emails under the **Exchange Archive** node and select them. Click the **Lock** icon in the column to open the menu.

The screenshot shows the Metalogix Archive Manager ArchiveWeb interface. The top navigation bar includes 'archive', 'search', 'retention', 'report', 'tasks', and 'Administrator'. The left sidebar shows the 'EXCHANGE' tab with a list of mailboxes and folders. The main area displays the 'INBOX' folder with a table of email items. The table has columns for 'FROM', 'TO', 'SUBJECT', 'RECEIVED', and 'RETENTION'. Each row represents an email item, and the 'LOCK' icon is visible in the action column for each item.

FROM	TO	SUBJECT	RECEIVED	RETENTION	LOCK
karljordan@democorp.c...	davidwebb@democorp....	Mostly Dead Things	09/11/20	3	<input type="checkbox"/>
nikiportman@democor...	davidwebb@democorp....	Red at the Bone	09/11/20	3	<input type="checkbox"/>
ninatanaka@democorp....	davidwebb@democorp....	The Glass Hotel	09/11/20	3	<input type="checkbox"/>
pabloneruda@democor...	davidwebb@democorp....	The Topeka School	09/11/20	3	<input checked="" type="checkbox"/>
timashford@democorp....	davidwebb@democorp....	Trick Mirror	09/11/20	3	<input type="checkbox"/>
juanchristie@democorp....	davidwebb@democorp....	The Lion, The Witch and the Wardrobe	09/11/20	3	<input type="checkbox"/>



From the dropdown menu select **Lock document**. Locked documents will be displayed with a lock icon (🔒):

- yellow lock icon – item locked by the logged on user
- grey lock icon – item locked by another user in shared folder

**NOTE:** Unlock documents by selecting **Unlock document** from the **More actions** menu.

**NOTE:** To display only locked items in the given folder, click the LOCKED tab above the list view.

## Public Folders

Under the **Exchange / Public Folders** node one can find archived items from all accessible Public Folders. Unfold the node down to the public folder by clicking the arrow sign. Archived items of the selected public folder will be displayed in the main pane.

Managing and handling the Public folders items is the same as described for mailbox items (see the previous section).

**Metalogix Archive Manager** keyword search archive search report tasks Administrator ▾

**EXCHANGE** FILES

- Mailboxes ▾
- Public Folders
  - public\_AW7
    - Splendid**
- Tags +

**SPLendid**

**archived** shortcut lost tagged locked for deletion

Drag a column header here to group by that column

	FROM	SUBJECT	RECEIVED	RETENTION	0	🔒	📄	💬	📌	TAGS
<input type="checkbox"/>	Administrator	ो दुनिया के सबसे मजबूत	1/9/2015 11:0...	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	Administrator	dualbesucherindividua...	1/9/2015 11:0...	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	Administrator	ryone, the tutors an	1/9/2015 11:0...	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Administrator	ь 24 в сутки – наши с	1/9/2015 11:0...	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Create Filter

Select a message to view

---

# Search

ArchiveWeb offers two types of search capabilities:

**Keyword search** - this type of search uses keywords to search through archived emails and files. If you have installed *Archive Manager for Exchange* and *Archive Manager for Files* on the same server, you can use the keyword search capability to search for archived items across both products at the same time.

**Advanced Search** - this type of search uses an expanded set of search criteria with product-specific search capabilities. If you have installed *Archive Manager for Exchange* and *Archive Manager for Files* on the same server, you can use the advanced search to search for archived items in one product at a time.

## Requirements

1. Archive Manager Search must be installed. This is installed by default during an Express installation or you can choose to install it using Advanced installation. For more information see the Metalogix Archive Manager for Exchange Advanced Installation Guide.
2. A Post-processing plugin must be configured using the *Archive Manager Configuration* tool. The plugin indexes the recipient property of emails that allows you to use the *To* field in your search criteria. For more information see [Post-processing](#).
3. Optical Character Recognition (OCR) search is an optional feature that can also be activated through the *Archive Manager Configuration* tool.
4. Requisite Roles and Permissions must be granted to users who can use the search feature.

In this chapter:

- [Keyword Search](#)
- [Advanced Search](#)
- [Search Results](#)
- [Search History](#)
- [Search Templates](#)

# Keyword Search

Keyword search provides a fast and flexible search for keywords in the email body and attachments of messages in *Metalogix Archive Manager for Exchange*, and file content in for *Metalogix Archive Manager for Files*. When both products are installed, you can search for the same keyword across both products.

## Prerequisites

- Archive Manager Search is installed
- The post-processing plugin is configured in the Archive Manager Configuration Tool > Post Processing > Post Processing Scopes for both *Archive server for Exchange* and *Archive server for Files* depending on the products that are installed.

## Steps to use keyword search

The steps described below assume the following default settings on the [Profile](#) page of ArchiveWeb.

- **Show search field in header** is selected which displays the keyword field in the header.
- **Keyword** is set to **Exact phrase**. No wildcards are added. The user can add a wildcard manually if needed.
- **Set default search scope** is set for both **Exchange** and **Files**.

The steps are as follows:

1. Log in to ArchiveWeb.
2. Enter a word, phrase or combination of words with logical operators like AND and OR in the keyword field in the header.
3. Press the **Enter** key on your keyboard.

-or-

1. Log in to ArchiveWeb.
2. Click **Search** from the main menu. The *Search* view opens.
3. Click the **Search** tab and then click **Criteria** from the navigation pane.
4. For the **Search Scope**, select the **Exchange** checkbox.

5. Click the **Search** button at the bottom right-hand corner of the page. The search results are displayed on one or two tabs depending on whether one or both products are installed. See [Search Results](#) for more information.

- Exchange Search Results
- Files Search Results

## Wildcards

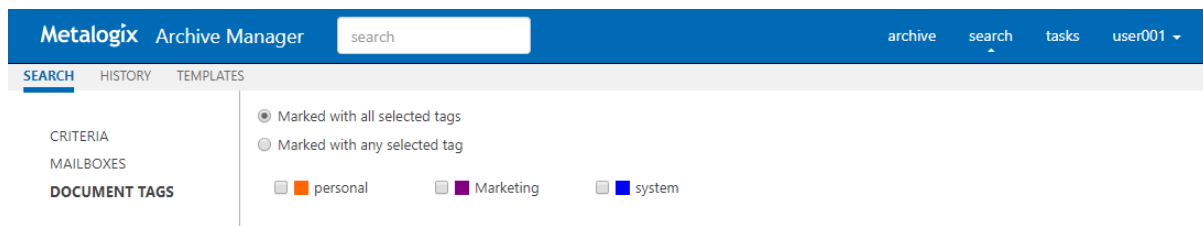
Keyword search supports wildcards as described in the table below:

Wildcard	Description	Example	SQL representation
*	A substitute for zero or more characters. You can insert wildcards before, after, or before and after a word.	*.htm	LIKE '%.htm'
?	A substitute for a single character to match	Clas?ic film.mpg	LIKE 'Clas_ic film.mpg'

## Document tags

The *Document Tags* page displays the tags that you can specify in a search. See [Tags](#) for more information about setting up document tags. To search for emails that are tagged, do the following:

1. Select one or more document tags.
2. Select a search option as described below:
  - a. **Marked with all selected tags** - select this option to search emails which are tagged with *all* the selected tags.
  - b. **Marked with any selected tag** - select this option to search emails which are tagged with any of the selected tags.

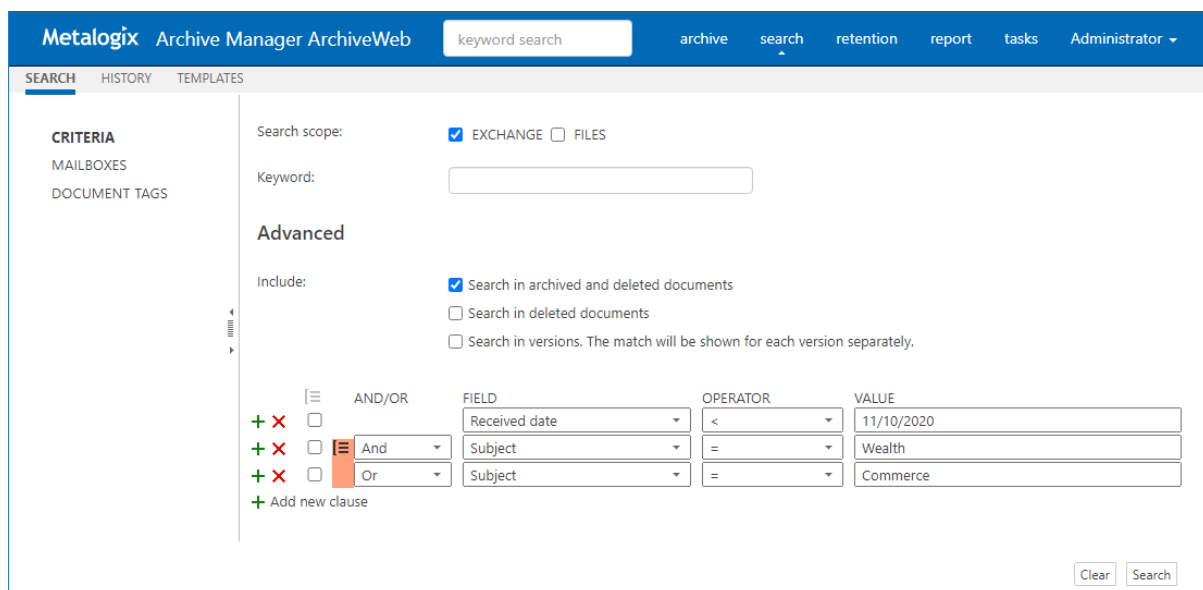


## Advanced Search

Advanced search uses an expanded set of search criteria with product-specific search capabilities. Advanced search uses three parts to build the search: **Criteria**, **Mailboxes** and **Document Tags**. When all search specifications have been set, click **Search** in the bottom right-hand corner of the search view.

### Criteria

The Criteria page presents the scope, context and email properties to define the search. The scope and context of the search are mandatory. If you have installed *Archive Manager for Exchange* and *Archive Manager for Files* on the same server, then advanced search can be used for only one product at a time.



### Steps to search with advanced search criteria

1. Click **Search** from the main menu. The *Search* view opens.
2. Click the **Search** tab and then click **Criteria** from the navigation pane.
3. For the **Search Scope**, select the **Exchange** checkbox.
4. Ignore the **Keyword** field.




5. **Include** options allow you to specify the category of documents to search.

- *No selection* - only archived documents are searched. Previous versions of these documents are not included.

Select one of the following options:

- **Search in archived and deleted documents** - all documents will be searched. Previous versions of these documents are not included.
- **Search in deleted documents** - deleted documents and documents that are marked for deletion will be searched. All other archived documents will be ignored. Previous versions of these documents are not included.

Add an additional criteria:

- **Search in versions** - Previous versions will be included for the document category specified. The match will be shown for each version separately.
6. In the search *Criteria* pane, click **Add new clause**  and enter the search criteria using the fields as described below:
- a. **And/Or** - select two or more checkboxes to create a nested search phrase with the  icon as described in the example below.
  - b. **Field** - select a property for the email from the dropdown.
  - c. **Operator** - select an operator from the dropdown.
  - d. **Value** - enter a text value to search. For date fields, enter the date in the format *m/d/yyyy*.
7. You can remove a specific row by clicking the **Delete** . To reset the search criteria, click **Clear** in the bottom right corner of the window.

## Example of a nested search query


Consider the following search request: *All email items that were received by David Webb before 10th November 2020 and the subject contains either the words Wealth or Commerce.*


Search criteria contains only email properties. Therefore the nested search criteria can be written as follows:

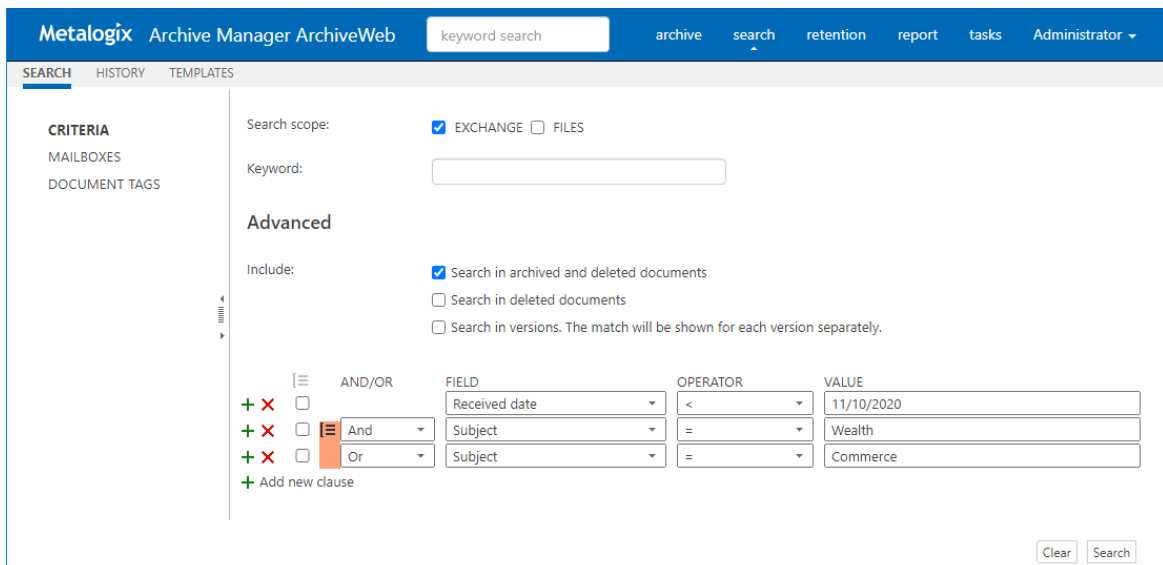
```
Received Date < 11/10/2020 AND (Subject contains Wealth OR Subject contains Commerce)
```

The context of the search query is restricted to a single mailbox called *David Webb*, but there are no restrictions to the scope since *All items* are required to be searched in the specified mailbox.

To define a nested query in the search page, follow the steps described below:

2. Click **Search** from the main menu. The *Search* view opens.
3. Click the **Search** tab.
4. In the search *Criteria* pane, click **Add new clause**  and enter the search criteria using the fields as described below:

- a. **Field:** Received Date
  - b. **Operator:** <
  - c. **Value:** 11/10/2020
5. Click **Add new clause** and enter the search criteria using the fields as described below:
  - a. **And/Or:** And
  - b. **Field:** Subject
  - c. **Operator:** Contains
  - d. **Value:** Wealth
6. Click **Add new clause** and enter the search criteria using the fields as described below:
  - a. **And/Or:** Or
  - b. **Field:** Subject
  - c. **Operator:** Contains
  - d. **Value:** Commerce
7. Since *Subject Contains Wealth Or Subject Contains Commerce* are nested criteria, select the two checkboxes where the **Field** value is *Subject*. Then click the  icon that is activated. The fields that are grouped are marked as shown on the image below:



The screenshot shows the Metalogix Archive Manager ArchiveWeb search interface. The top navigation bar includes links for archive, search, retention, report, tasks, and Administrator. The left sidebar has tabs for SEARCH, HISTORY, and TEMPLATES. The main content area is divided into sections for CRITERIA, MAILBOXES, and DOCUMENT TAGS. The search scope is set to EXCHANGE. The keyword search box is empty. The advanced search options are expanded, showing checkboxes for including archived and deleted documents, deleted documents, and search in versions. The criteria section shows three clauses: 1. Received date < 11/10/2020, 2. Subject Contains Wealth, and 3. Subject Contains Commerce. The second and third clauses are grouped together under an 'Or' operator, which is highlighted with an orange box and a grouping icon.


## Mailboxes

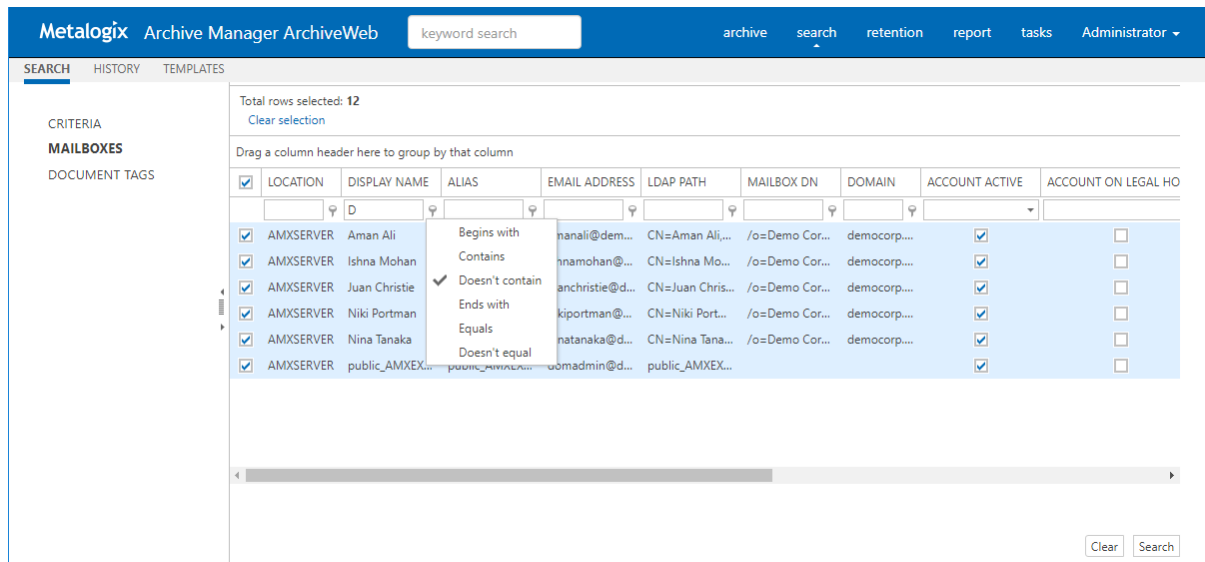
The *Mailboxes* page lists the mailboxes that you have been granted the access rights to view and search.

### To search for mailboxes:

1. Below each column header is a search text box. Enter a letter or a combination of alphanumeric characters to search for terms in the column. You can enter search criteria for

multiple columns. For example, in the image below, the letter **D** has been added to the search text box below the column header *Display Name*.

2. Click the  icon to open the search operators list and select a search operator. For example, the search operator **Doesn't contain** has been selected which excludes all mailboxes that start with the letter **D** that was entered in the search text box.
3. The list will update as you enter or modify search criteria and search operators. The search settings will persist through a single session and will be reset when you log in again.



### To sort mailboxes:

If there are too many mailboxes, you can sort or group the list by clicking a column header

### To group mailboxes:

1. Drag a column header to the grouping bar just above the list. For example, dragging the Location column header to the grouping bar, groups the mailboxes by Location.
2. Expand each group item to view the mailboxes in that group.
3. Click the **up** or **down** icon in the group column header to sort the mailboxes in the group in ascending or descending order.
4. To remove a grouping, drag the column header back into the list. You can insert the column header at any place in the row of column headers.



Metalogix Archive Manager ArchiveWeb keyword search archive search retention report tasks Administrator

SEARCH HISTORY TEMPLATES

CRITERIA  
MAILBOXES  
DOCUMENT TAGS

Total rows selected: 11  
Select all rows Clear selection

Drag a column header here to group by that column

<input checked="" type="checkbox"/>	LOCATION	DISPLAY NAME	ALIAS	EMAIL ADDRESS	LDAP PATH	MAILBOX DN	DOMAIN	ACCOUNT ACTIVE	ACCOUNT ON LEGAL HOLD
<input checked="" type="checkbox"/>	AMXSERVER	Administrator	domadmin	domadmin@d...	CN=domadmi...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Aman Ali	amanali	amanali@dem...	CN=Aman Ali...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	David Webb	davidwebb	davidwebb@d...	CN=David We...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Devika Sharma	devikasharma	devikasharma...	CN=Devika Sh...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Ishna Mohan	ishnamohan	ishnamohan@...	CN=Ishna Mo...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Juan Christie	juanchristie	juanchristie@d...	CN=Juan Chris...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Karl Jordan	karljordan	karljordan@de...	CN=Karl Jorda...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Niki Portman	nikiportman	nikiportman@...	CN=Niki Port...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Nina Tanaka	ninatanaka	ninatanaka@d...	CN=Nina Tana...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Pablo Neruda	pabloneruda	pabloneruda@...	CN=Pablo Ner...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	AMXSERVER	Tim Ashford	timashford	timashford@d...	CN=Tim Ashfo...	/o=Demo Cor...	democorp...	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Clear Search

**NOTE:** To search in journal mailboxes:

- If a user has *Journal* permission set in ArchiveWeb then the user can search through their own emails, where is present as a kind of recipient (sender, recipient).
- If a user has *Journal* access granted through *Archive Manager > Tools > Mailbox rights manager*, then the user can search all emails in the Journal.

At least one mailbox must be selected to run a search. The specified mailbox selection is preserved across sessions unless the option **Remember last mailbox / server selection** in *Manage settings > Profile* is cleared.

## Document tags

The *Document Tags* page displays the tags that you can specify in a search. See [Tags](#) for more information about setting up document tags. To search for emails that are tagged, do the following:

1. Select one or more document tags.
2. Select a search option as described below:
  - a. **Marked with all selected tags** - select this option to search emails which are tagged with *all* the selected tags.
  - b. **Marked with any selected tag** - select this option to search emails which are tagged with *any* of the selected tags.

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SEARCH HISTORY TEMPLATES

CRITERIA  
MAILBOXES  
DOCUMENT TAGS

☒ Marked with all selected tags  
☐ Marked with any selected tag

☐ personal
 ☐ Marketing
 ☐ system

# Search Results

## Keyword search

When both *Archive Manager for Exchange* and *Archive Manager for Files* are installed on the same server, keyword search results are listed in separate tabs. If **Match Highlight** and **Match Highlight Color** are configured in [Profile](#) settings, keywords will be highlighted with the predefined color. For example, if the keyword is **Commerce**, then all instances of the word are highlighted.

The screenshot displays the Metalogix Archive Manager ArchiveWeb interface. At the top, there's a navigation bar with 'Metalogix Archive Manager ArchiveWeb' and a search input field containing 'keyword search'. Below this, a tabbed interface shows 'EXCHANGE SEARCH RESULTS' and 'FILES SEARCH RESULTS'. The 'EXCHANGE SEARCH RESULTS' tab is active, showing a list of search results. The first result is highlighted, showing details for an email from 'timashford@democorp...' to 'davidwebb@democorp...' with the subject 'Commerce'. The email content is displayed below the table, showing the header and body text, including the word 'Commerce' highlighted in blue. The interface includes pagination controls at the bottom of the table and a 'MENU' button on the right side of the email content area.

FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION				
timashford@democorp...	davidwebb@democorp...	Commerce	Inbox	09/11/20	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Commerce

Timashford@democorp.com  
9/11/2020 2:33:46 AM  
To: davidwebb@democorp.com

- Version 1
- Retention 12/11/2020
- Tags: +

0 1 Attachments

## Advanced search

For advanced search, the search result uses an expanded set of search criteria with product-specific search capabilities.

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SEARCH HISTORY TEMPLATES

### EXCHANGE SEARCH RESULTS

archived tagged locked

Result count: 3 Total rows selected: 0  
[Select all rows](#) [Edit query](#)

Drag a column header here to group by that column

<input type="checkbox"/>	FROM	TO	SUBJECT	FOLDER	RECEIVED ▾	VERSION	0			
<input type="checkbox"/>	juanchristie@democorp.com	David Webb	Commerce	Inbox	09/11/20	1	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	timashford@democorp.com	David Webb	Commerce	Inbox	09/11/20	1	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	pabloneruda@democorp.com	David Webb	Commerce	Inbox	09/11/20	1	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

First Prev Page: 1 of 1 Next Last Items per page: 20

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Commerce MENU

Juanchristie@democorp.com  
 9/11/2020 2:33:48 AM

When you highlight an item from the list, the details of the item is displayed in the pane below the list. The contents of the item are also displayed. If the item is an email with an attachment or a file, the contents of the attachment or file are visible only if the application to view the attachment is also installed on the server. For example, the contents of a PDF file will be visible only if a PDF viewer is installed on the server.

## Search Operations

Search operations are asynchronous. When you select one or more items or select all items, you can choose an action from a menu to operate on the highlighted or selected item. Every search operation is listed in the [Tasks](#) page.

**Edit query** - redirects you to the previous search page where you can perform a new search after editing the existing query.

When keyword search is used, keywords in the search results can be highlighted.

List columns can be managed (show/hide) in the Columns section of the user profile (click [UserName] > Manage settings > Profile).

## How to build search queries

This topic describes how to build search conditions using the keyword search and advanced search capabilities of Archive Manager for Exchange. A search condition (or query) can contain zero or more search clauses that are combined using operators and grouping of search clauses.

## In this topic

- Simple conditions
- AND/OR operators
- Grouping

- Keyword search

## Simple Conditions

A simple search conditions needs no search clause or can contain just one search clause.

### Example 1

Click **Search** without adding a search clause. In this case, you will get back all the archived items.

## Query

SEARCH

HISTORY

TEMPLATES

CRITERIA

MAILBOXES

DOCUMENT TAGS

keyword search

archive

search

retention

report

tasks

amadmin

Search scope:

☒ EXCHANGE

Keyword:

Advanced

Include:

☐ Search in archived and deleted documents

☐ Search in deleted documents

☐ Search in versions. The match will be shown for each version separately.

AND/OR

FIELD

OPERATOR

VALUE

+ Add new clause

Clear

Search

## Result

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SEARCH HISTORY TEMPLATES

### EXCHANGE SEARCH RESULTS

**archived** tagged locked

Result count: **91** Total rows selected: **0**

Select all rows Edit query

Drag a column header here to group by that column

<input type="checkbox"/>	FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION				
<input type="checkbox"/>				Contacts/Recipient Cache	07/21/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Sent Items	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	amadmin	amadmin	voice addressing the publican: "What have you killed a ...	Sent Items	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	amadmin	amadmin	a seventy-pound weight were tied to it. He could run no ...	Sent Items	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	amadmin	amadmin	voice addressing the publican: "What have you killed a ...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Items per page: 20

## Example 2

Add a single search clause with a condition where the field *Subject* contains the word "them". When you click **Search**, you will get back all the archived items where the *Subject* contains the word "them".

### Query

The screenshot shows the Metalogix Archive Manager search interface. The top navigation bar includes 'archive', 'search', 'retention', 'report', 'tasks', and 'amadmin'. The 'search' tab is active. On the left, under 'CRITERIA', 'MAILBOXES' and 'DOCUMENT TAGS' are listed. The main search area has a 'Search scope' set to 'EXCHANGE' and a 'Keyword' field. Under 'Advanced', there are options to include search in archived and deleted documents, deleted documents, or search in versions. A search clause is configured with 'FIELD' set to 'Subject', 'OPERATOR' set to 'Contains', and 'VALUE' set to 'them'. There are buttons for 'Clear' and 'Search' at the bottom right.

### Result

The screenshot shows the Metalogix Archive Manager search results interface. The top navigation bar is the same as the previous screenshot. The 'search' tab is active. Below the navigation bar, there is a section for 'EXCHANGE SEARCH RESULTS' with tabs for 'archived', 'tagged', and 'locked'. The 'archived' tab is selected. Below this, there is a 'Result count: 4 Total rows selected: 0' and links for 'Select all rows' and 'Edit query'. A table of search results is displayed with columns: FROM, TO, SUBJECT, FOLDER, RECEIVED, VERSION, and a set of checkboxes. The table contains 4 rows of results. Below the table, there are pagination controls: 'First', 'Prev', 'Page: 1 of 1', 'Next', 'Last', and 'Items per page: 20'. At the bottom, there is a message: 'Select items or click to preview.'

FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION				
amadmin		French since Suvorov met them. He feared that Bonapart...	Calendar	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		so jaded that at a meeting of the huntsmen it was decide...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	amadmin@am19.local	splashing with blood those near them.	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	amadmin@am19.local	of them had yet seen the manifesto, but they all knew it ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## AND/OR operators

The AND/OR operator is used between two search clauses. With these operators, you can combine two or more search clauses. The AND operator will return a search result if both the search clauses separated by the AND operator are fulfilled. The OR operator will return a search result if any one of the search clauses separated by the OR operator are fulfilled. The AND

operator has a higher priority over the OR operator. When a search condition contains both the AND and OR operators, the search clauses that are combined with the AND operator must be fulfilled first.

## Example 1

To find all items where the *Subject* contains word "them" AND the *Sender* is "amadmin", you must combine two search clauses as shown:

### Query

The screenshot shows the Metalogix Archive Manager search interface. The search scope is set to EXCHANGE. The search criteria are configured as follows:

- Search scope: ☒ EXCHANGE
- Keyword: (empty)
- Advanced search options:
  - Include:
    - ☐ Search in archived and deleted documents
    - ☐ Search in deleted documents
    - ☐ Search in versions. The match will be shown for each version separately.
- Search clauses:
  - Clause 1: FIELD: Subject, OPERATOR: Contains, VALUE: them
  - Clause 2: FIELD: From, OPERATOR: =, VALUE: amadmin

The clauses are combined using the AND/OR operator. The interface also includes buttons for 'Clear' and 'Search'.

### Result

The screenshot shows the Metalogix Archive Manager search results interface. The search results are displayed in a table with the following columns: FROM, TO, SUBJECT, FOLDER, RECEIVED, VERSION, and a set of checkboxes for actions. The results show one item with the following details:

FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION	Actions
amadmin		French since Suvorov met them. He feared that Bonapart...	Calendar	02/09/21	1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

The interface also includes a 'Result count: 1 Total rows selected: 0' and a 'Select all rows Edit query' link. The pagination shows 'Page: 1 of 1' and 'Items per page: 20'.

## Example 2

To find all items where the *Subject* contains word "them" OR the *Sender* is "amadmin", you must combine two search clauses as shown:

SEARCH

HISTORY

TEMPLATES

CRITERIA

MAILBOXES

DOCUMENT TAGS

Search scope:

☒ EXCHANGE

Keyword:

Advanced

Include:

☐ Search in archived and deleted documents

☐ Search in deleted documents

☐ Search in versions. The match will be shown for each version separately.

+

×

☐

AND/OR

+

×

☐

Or

+

Add new clause

FIELD	OPERATOR	VALUE
Subject	Contains	them
From	=	amadmin

Clear

Search

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archive search retention report tasks admin

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SEARCH HISTORY TEMPLATES

## EXCHANGE SEARCH RESULTS

**archived** tagged locked

Result count: **63** Total rows selected: **0**

[Select all rows](#) [Edit query](#)

Drag a column header here to group by that column

<input type="checkbox"/> FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Sent Items	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	voice addressing the publican. "What have you killed a ...	Sent Items	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	a seventy-pound weight were tied to it. He could run no ...	Sent Items	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	voice addressing the publican. "What have you killed a ...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	a seventy-pound weight were tied to it. He could run no ...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

First Prev Page: 1 of 4 Next Last

Items per page: 20

Sometimes simple combinations of search clauses with the AND and OR operators are not enough. Grouping is a good solution to change the priority between the operators. The grouped search clauses have a higher priority than the operator before or after the group. The examples in this section describe how the grouping works.

To find all items where the *Subject* contains the word "them" AND the *Sender* is "amadmin", and all these items must also have an attachment then the search condition is as shown:

Query: (Subject contains "them" OR Sender is "amadmin") AND has attachment

AND/OR	FIELD	OPERATOR	VALUE
	Subject	Contains	them
Or	From	=	amadmin
And	Has attachment	=	Yes

Result: (Subject contains "them" OR Sender is "amadmin") AND has attachment

FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION	Icons
amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Sent Items	02/09/21	1	Icons
amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Inbox	02/09/21	1	Icons
amadmin	amadmin	blood under his arm. "No, I am wounded and the horse i...	Sent Items	02/09/21	1	Icons
amadmin	amadmin	blood under his arm. "No, I am wounded and the horse i...	Inbox	02/09/21	1	Icons
amadmin	amadmin	not wish it. In a word, I make no promise. And I beg you ...	Sent Items	02/09/21	1	Icons
amadmin	amadmin	not wish it. In a word, I make no promise. And I beg you ...	Inbox	02/09/21	1	Icons

We can split this search condition into two parts

1. (Subject contains "them" OR Sender is "amadmin") which is a group
2. AND has attachment

Since a grouping has a higher priority, the search condition in the group must be fulfilled first. In this case each item in the search result will have a *Subject* that contains the word "them" AND the *Sender* is "amadmin", and the item will also have an attachment

## Example 2

To find all items where the *Subject* contains word "them" or, the *Sender* is "amadmin" and at the item must have an attachment, then the query is as shown:

Query: Subject contains "them" OR Sender is "amadmin" AND has attachment



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SEARCH HISTORY TEMPLATES

**CRITERIA**  
MAILBOXES  
DOCUMENT TAGS

Search scope: ☒ EXCHANGE

Keyword:

**Advanced**

Include: ☐ Search in archived and deleted documents  
☐ Search in deleted documents  
☐ Search in versions. The match will be shown for each version separately.

☒ AND/OR  
☒ Or  
☒ And  
[Add new clause](#)

FIELD	OPERATOR	VALUE
Subject	Contains	them
From	=	amadmin
Has attachment	=	Yes

Clear Search

Result: Subject contains "them" OR Sender is "amadmin" AND has attachment

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SEARCH HISTORY TEMPLATES

**EXCHANGE SEARCH RESULTS**

archived tagged locked

Result count: 16 Total rows selected: 0  
[Select all rows](#) [Edit query](#)

Drag a column header here to group by that column

<input type="checkbox"/>	FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Sent Items	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	amadmin	amadmin	blood under his arm. "No, I am wounded and the horse i...	Sent Items	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	amadmin	amadmin	blood under his arm. "No, I am wounded and the horse i...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	amadmin	amadmin	not wish it. In a word, I make no promise. And I beg you ...	Sent Items	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	amadmin	amadmin	not wish it. In a word, I make no promise. And I beg you ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

First Prev Page: 1 of 1 Next Last

Items per page: 20

Select items or click to preview.

This query we can be split into two parts

1. Subject contains "them" OR
2. Sender is "amadmin" AND the item has an attachment

The AND operator has a higher priority so the search clauses combined with the AND operator must be fulfilled first. In this case the search result will contain items where the item must have an attachment and the *Sender* must be "amadmin", or Subject should contain the word "them".

### Example 3

To find all items where the *Subject* contains the word "them" and the Sender is "amadmin", or the item has attachment, and the item must be in the "Inbox" folder then the search condition is as shown:

**Query:** Subject contains "them" AND (Sender is "amadmin" OR has attachment)  
AND Folder path: Inbox

The screenshot shows the Metalogix Archive Manager ArchiveWeb search interface. The top navigation bar includes 'archive', 'search', 'retention', 'report', 'tasks', and 'amadmin'. The left sidebar has 'SEARCH', 'HISTORY', and 'TEMPLATES'. The main area is titled 'EXCHANGE' and contains a 'Keyword search' field. Below this, there are sections for 'Criteria' (MAILBOXES, DOCUMENT TAGS), 'Advanced' search options (including checkboxes for 'Search in archived and deleted documents', 'Search in deleted documents', and 'Search in versions'), and a query builder table.

	AND/OR	FIELD	OPERATOR	VALUE
+ X		Subject	Contains	them
+ X	And	From	=	amadmin
+ X	Or	Has attachment	=	Yes
+ X	And	Folder path	=	Inbox

Buttons for 'Clear' and 'Search' are at the bottom right.

**Result:** Subject contains "them" AND (Sender is "amadmin" OR has attachment) AND Folder path is "Inbox"

The screenshot shows the search results page for the query. It displays a table with columns: FROM, TO, SUBJECT, FOLDER, RECEIVED, VERSION, and checkboxes for '0', '1', '2', '3', '4', '5', '6', '7', '8', '9'. The results are filtered by 'EXCHANGE SEARCH RESULTS' and 'archived' status. The table shows two rows of results, both with 'Inbox' as the folder path and '02/09/21' as the received date. The first row has a subject line starting with 'so jaded that at a meeting of the huntsmen it was decide...' and the second row has a subject line starting with 'of them had yet seen the manifesto, but they all knew it ...'. The page also includes a 'Result count: 2' and 'Total rows selected: 0' summary, a 'Select all rows' link, and a 'Page: 1 of 1' indicator.

This query can be split into three parts

1. Subject contains "them" AND
2. (Sender is "amadmin" OR the item has an attachment)
3. AND Folder path is "Inbox"

The grouped search clauses have the higher priority in this query so the search condition in the group must be fulfilled first. In this case the search result will contain items where the *Subject* must contain the word "them" + *Sender* should be "amadmin" or the item has an attachment + the folder path must be "Inbox".

## Example 4

To find all items where the *Subject* contains the word "them" and *Sender* is "amadmin", or the item has an attachment and these items should be in the "Inbox" folder then the search query is as shown:

**Query:** Subject contains "them" AND Sender is "amadmin" OR has attachment AND Folder path: Inbox

The screenshot shows the Metalogix Archive Manager ArchiveWeb search interface. The search scope is set to EXCHANGE. The search criteria are defined as follows:

- Search scope: ☒ EXCHANGE
- Keyword: (empty)
- Advanced search options:
  - ☐ Search in archived and deleted documents
  - ☐ Search in deleted documents
  - ☐ Search in versions. The match will be shown for each version separately.
- Search criteria table:

	AND/OR	FIELD	OPERATOR	VALUE
+ X	<input type="checkbox"/> And	Subject	Contains	them
+ X	<input type="checkbox"/> Or	From	=	amadmin
+ X	<input type="checkbox"/> And	Has attachment	=	Yes
+ X	<input type="checkbox"/> And	Folder path	=	Inbox

Buttons: Clear, Search

**Result:** Subject contains "them" AND Sender is "amadmin" OR has attachment AND Folder path is "Inbox"

The screenshot shows the Metalogix Archive Manager ArchiveWeb search results page. The search results are displayed in a table with the following columns: FROM, TO, SUBJECT, FOLDER, RECEIVED, VERSION, and a set of checkboxes for actions. The results are filtered by the search criteria.

FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION	Actions
amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
amadmin	amadmin	blood under his arm. "No, I am wounded and the horse i...	Inbox	02/09/21	1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
amadmin	amadmin	not wish it. In a word, I make no promise. And I beg you ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
amadmin	amadmin	back seized him by the arm, pulled him through the wic...	Inbox	02/09/21	1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
amadmin	amadmin	French since Suvorov met them. He feared that Bonapart...	Calendar	02/09/21	1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		querulousness, which generally culminated in a burst of ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Page: 1 of 1. Items per page: 20

This query can be split into two parts

1. Subject contains "them" AND Sender is "amadmin" OR
2. Item has attachment AND Folder path is "Inbox"

The AND operator has a higher priority in this query so the conditions with the AND operators must be fulfilled first. In this case the search result will contain all items where *Subject* contains the word "them" and *Sender* is "amadmin" or the item must have an attachment and the folder path must be "Inbox".

Example 5

To find all items where the *Subject* contains word "them" or these items are in the "Inbox" folder, and the *Sender* is "amadmin" or the item has an attachment, then the query is as shown:

Query: (Subject contains "them" OR Folder path: Inbox) AND (Sender is "amadmin" OR has attachment)

Metalogix Archive Manager ArchiveWeb

keyword search

archive search retention report tasks amadmin

SEARCH HISTORY TEMPLATES

CRITERIA

MAILBOXES

DOCUMENT TAGS

Search scope:

☒ EXCHANGE

Keyword:

Advanced

Include:

☐ Search in archived and deleted documents

☐ Search in deleted documents

☐ Search in versions. The match will be shown for each version separately.

AND/OR

+

×

AND

OR

Field

Operator

Value

Subject

Contains

them

Folder path

=

Inbox

From

=

amadmin

Has attachment

=

Yes

+

+

+

+

Add new clause

Clear

Search

Result: (Subject contains "them" OR Folder path is "Inbox") AND (Sender is "amadmin" OR has attachment)

Metalogix Archive Manager ArchiveWeb

keyword search

archive search retention report tasks amadmin

SEARCH HISTORY TEMPLATES

EXCHANGE SEARCH RESULTS

archived

tagged

locked

Result count: 33

Total rows selected: 0

[Select all rows](#)

[Edit query](#)

Drag a column header here to group by that column

FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION					
<input type="checkbox"/> amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Inbox	02/09/21	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	voice addressing the publican. "What have you killed a ...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	a seventy-pound weight were tied to it. He could run no ...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	up and down the room, and smoke one pipe after anothe...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	minute," said the resolute Duryasha taking a needle that...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> amadmin	amadmin	Mademoiselle Bourienne's hand. (This was not etiquette,...	Inbox	02/09/21	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

First

Prev

Page: 1 of 2

Next

Last

Items per page: 20

Select items or click to preview.

This query can be split into two parts:

1. (Subject contains "them" OR Folder path is "Inbox") AND

Metalogix Archive Manager for Exchange ArchiveWeb Guide

Search

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## 2. (Sender is "amadmin" OR item has attachment)

The grouped condition has the higher priority in this query so the conditions in the group must be fulfilled first. In this case the search result will contain items where *Subject* should contain "them" word or folder path should be "Inbox" + *Sender* should be "amadmin" or the item should have an attachment.

### Example 6

To find all items where the *Subject* contains the word "them" or, these items are in the "Inbox" folder and the *Sender* is "amadmin", or the item has an attachment, then query is as shown:

**Query:** Subject contains "them" OR Folder path Inbox AND Sender is "amadmin" OR has attachment

The screenshot shows the Metalogix Archive Manager ArchiveWeb search interface. The search scope is set to EXCHANGE. The query builder shows the following conditions:

- Subject contains "them"
- Folder path is "Inbox"
- Sender is "amadmin"
- Has attachment

The conditions are grouped with AND/OR operators. The query is: Subject contains "them" OR Folder path Inbox AND Sender is "amadmin" OR has attachment.

**Result:** Subject contains "them" OR Folder path Inbox AND Sender is "amadmin" OR item has an attachment

The screenshot shows the search results page for the query. The results are displayed in a table with the following columns: FROM, TO, SUBJECT, FOLDER, RECEIVED, VERSION, and a set of action icons. The results show 44 total rows selected, with 0 rows displayed on the current page. The table is currently empty, and the message "Select items or click to preview." is displayed.

FROM	TO	SUBJECT	FOLDER	RECEIVED	VERSION	Icons
amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Sent Items	02/09/21	1	Icons
amadmin	amadmin	"Who gave the report?" inquired Shcherbinin, taking the ...	Inbox	02/09/21	1	Icons
amadmin	amadmin	voice addressing the publican. "What have you killed a ...	Inbox	02/09/21	1	Icons
amadmin	amadmin	a seventy-pound weight were tied to it. He could run no ...	Inbox	02/09/21	1	Icons
amadmin	amadmin	up and down the room, and smoke one pipe after anothe...	Inbox	02/09/21	1	Icons
amadmin	amadmin	minute," said the resolute Duryashya taking a needle that...	Inbox	02/09/21	1	Icons

This query can be split into three parts:

1. Subject contains "them" OR
2. Folder path is "Inbox" AND Sender is "amadmin"
3. OR item has an attachment

The AND operator has a higher priority so the conditions with the AND operator must be fulfilled first. In this case the search result will contain items where *Subject* must contain the word "them" or folder path must be "Inbox" and *Sender* must be "amadmin" or the item has an attachment.

## Keyword search

Keyword search provides a fast and flexible search for keywords in the email Subject, body, and attachments of messages in Metalogix Archive Manager for Exchange. If you leave this field empty, then the search result will show all archived messages. If you enter a word or phrase in the keyword field and click Search the result of the search will show all the archived messages where the Subject, body or attachment contains the entered word or phrase.

### Example

You can combine keyword searches with advanced search clauses to find specific messages. Keyword searches are combined with advanced search conditions with the AND operator. The search result will contain items that have the keyword and the advanced search conditions as well. To find all messages where the Subject, body or attachment contains word "mother" and the Subject also contains the word "them", the search query is as shown:

### Query

The screenshot shows the Metalogix Archive Manager ArchiveWeb interface. The top navigation bar includes 'archive', 'search', 'retention', 'report', 'tasks', and 'amadmin'. The 'search' tab is active. On the left, there are tabs for 'SEARCH', 'HISTORY', and 'TEMPLATES'. The 'SEARCH' tab is selected, showing a 'CRITERIA' section with 'MAILBOXES' and 'DOCUMENT TAGS'. The main search area has a 'keyword search' input field with the text 'mother'. Below this, the 'Advanced' section is visible, showing 'Search scope' set to 'EXCHANGE' (checked). Under 'Include', there are three unchecked options: 'Search in archived and deleted documents', 'Search in deleted documents', and 'Search in versions. The match will be shown for each version separately.' At the bottom, there is an 'AND/OR' section with a dropdown menu set to 'AND/OR'. Below this, there is a table with three columns: 'FIELD', 'OPERATOR', and 'VALUE'. The first row has 'Subject' in the 'FIELD' column, 'Contains' in the 'OPERATOR' column, and 'them' in the 'VALUE' column. There are also buttons for 'Add new clause', 'Clear', and 'Search'.

Result: The body of the message contains word "mother", and the *Subject* contains word "them"


## Search History

Every search in ArchiveWeb is logged and displayed in the **History** page. Search history is stored in the search history cache separately for each logged in user who runs a search. Each search history log entry indicates the search type (Exchange, File or Keyword) and the start date and time of the search in the log entry header.

In this topic:

- [Viewing the search result summary](#)
- [Viewing the search query](#)
- [Viewing the search results](#)
- [Editing the search query](#)
- [Saving the search query](#)
- [Extending search history](#)
- [Cleaning up search history](#)

### Viewing the search result summary

1. Click **Search** on the main menu and then click **History**.
2. Click  to show the **Search result summary** section.

EXCHANGE - SEARCH RESULTS - 12/23/2020 6:15:50 PM  
Search query Search results summary

Scope equals **Exchange**  
Include equals **Search in archived documents**  
Mailboxes equals **Administrator [AMXSERVER], Aman Ali [AMXSERVER], David Webb [AMXSERVER], Devika Sharma [AMXSERVER], Ishna Mohan [AMXSERVER], Juan Christie [AMXSERVER], Karl Jordan [AMXSERVER], Niki Portman [AMXSERVER], Nina Tanaka [AMXSERVER], Pablo Neruda [AMXSERVER], public\_AMXEXCH [AMXSERVER], Tim Ashford [AMXSERVER]**  
SQL query equals **[To] = 'davidwebb@democorp.com' AND [Sent Date] > '2019-01-01' AND ([Subject] Contains 'Commerce' OR [Subject] Contains 'Wealth')**  
Maximum number of search results equals **10,000**

Result count: 8

EXCHANGE - SEARCH RESULTS - 12/23/2020 4:54:38 PM  
Search query Search results summary

Started by: **Administrator** SID: **S-1-5-21-3596543122-2249859635-284152064-500**  
Start time: **12/23/2020 4:54:38 PM** End time: **12/23/2020 4:54:38 PM**

Result count: 3

The search result summary section presents the following information

- a. **Started by** - username of the person who ran the search.
  - b. **Start time** - date and time the search was started.
  - c. **SID** - unique search identifier.
  - d. **End time** - date and time the search was completed.
3. Click to hide the **Search result summary** section.

## Viewing the search query

1. Click **Search** on the main menu and then click **History**.
2. Click to show the **Search query** section.

EXCHANGE - SEARCH RESULTS - 12/23/2020 6:15:50 PM  
Search query Search results summary

Scope equals **Exchange**  
Include equals **Search in archived documents**  
Mailboxes equals **Administrator [AMXSERVER], Aman Ali [AMXSERVER], David Webb [AMXSERVER], Devika Sharma [AMXSERVER], Ishna Mohan [AMXSERVER], Juan Christie [AMXSERVER], Karl Jordan [AMXSERVER], Niki Portman [AMXSERVER], Nina Tanaka [AMXSERVER], Pablo Neruda [AMXSERVER], public\_AMXEXCH [AMXSERVER], Tim Ashford [AMXSERVER]**  
SQL query equals **[To] = 'davidwebb@democorp.com' AND [Sent Date] > '2019-01-01' AND ([Subject] Contains 'Commerce' OR [Subject] Contains 'Wealth')**  
Maximum number of search results equals **10,000**

Result count: 8


EXCHANGE - SEARCH RESULTS - 12/23/2020 4:54:38 PM  
Search query Search results summary

Started by: **Administrator** SID: **S-1-5-21-3596543122-2249859635-284152064-500**  
Start time: **12/23/2020 4:54:38 PM** End time: **12/23/2020 4:54:38 PM**


Result count: 3




The search query section presents the following information

- a. **Scope equals** - the application data that is searched.
  - b. **Include equals** - the data set within the search scope that is included in the search.
  - c. **Mailbox equals** - the mailboxes that are included in the search.
  - d. **SQL Query equals** - SQL query that was used to search for archived items.
  - e. **Maximum number of search results equals** - the upper limit of the result set that was configured for ArchiveWeb when the search was started.
3. Click  to hide the **Search query** section.


## Viewing the search results

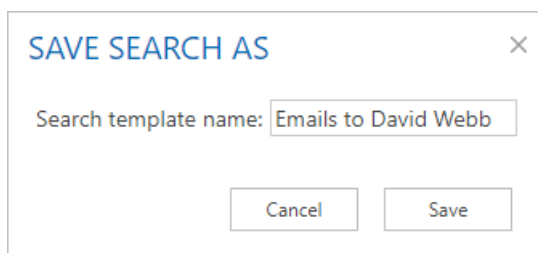
1. Click **Search** on the main menu and then click **History**.
2. Locate the search you want to review.
3. Click  to rerun the search. The search results page will open with the search results.

## Editing the search query

1. Click **Search** on the main menu and then click **History**.
2. Locate the search you want to review.
3. Click  to edit the search query. The main search page opens where you can review and revise the search options and query.

## Saving the search query

1. Click **Search** on the main menu and then click **History**.
2. Locate the search you want to review.
3. Click  to save the search query. The *Save Search As* dialog opens.



A screenshot of a dialog box titled "SAVE SEARCH AS" with a close button (X) in the top right corner. Inside the dialog, there is a label "Search template name:" followed by a text input field containing the text "Emails to David Webb". At the bottom of the dialog, there are two buttons: "Cancel" and "Save".

4. Enter a suitable name in the **Search template name** field. Then click **Save** to save the search query as a template.

## Extending search history

The search history page displays the last 10 searches by default. To customize the display limit follow the steps described below:

1. Open the C:\Program Files\Metalogix\MAMSearch\PamSearch.exe.config file.
2. Add a new section name (if it does not exist) under the <configSections> node

```
<?xml version="1.0" encoding="utf-8"?>
  <configuration>
    <configSections>
      .
      .
      .
      <section name="SearchHistory"
type="System.Configuration.NameValueFileSectionHandler,System,
Version=1.0.3300.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089" />
    </configSections>
```

3. Create a new **SearchHistory** section (if it does not exist)

```
<?xml version="1.0" encoding="utf-8"?>
  <configuration>
    <configSections>
      .
      .
      .
      <section name="SearchHistory"
type="System.Configuration.NameValueFileSectionHandler,System,
Version=1.0.3300.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089" />
    </configSections>
    <SearchHistory>
      <add key="maxcount" value="20" />
    </SearchHistory>
    .
    .
    .
  </configuration>
```

4. The **maxcount** value can be any number between 1 and 2147483647. When this key is missing from the *PamSearch.exe.config* file, the default value 10 is used.

## Cleaning up search history

Search history is stored in SQLite files in a cache folder. The default location is C:\Program Files (x86)\Metalogix\MAMSearch\SearchCache\<userSID>\\*.sqlite and the cache is

periodically cleaned. To customize the search history cache retention time limit follow the steps described below:

1. Open the C:\Program Files\Metalogix\MAMSearch\PamSearch.exe.config file.
2. Add a new section name (if it does not exist) under the <configSections> node

```
<?xml version="1.0" encoding="utf-8"?>
  <configuration>
    <configSections>
      .
      .
      .
      <section name="SearchHistory"
type="System.Configuration.NameValueFileSectionHandler,System,
Version=1.0.3300.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089" />
    </configSections>
```

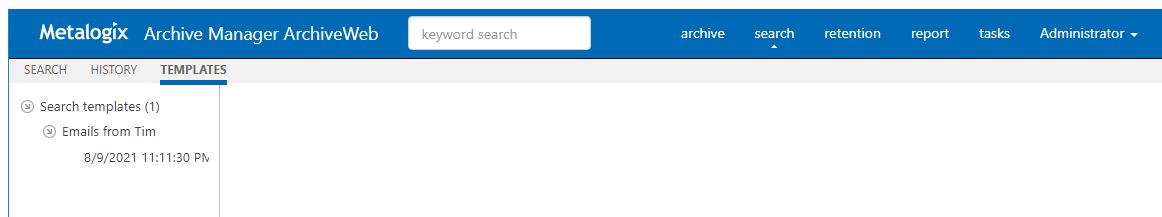
3. Create a new **SearchHistory** section (if it does not exist)

```
<?xml version="1.0" encoding="utf-8"?>
  <configuration>
    <configSections>
      .
      .
      .
      <section name="SearchHistory"
type="System.Configuration.NameValueFileSectionHandler,System,
Version=1.0.3300.0, Culture=neutral,
PublicKeyToken=b77a5c561934e089" />
    </configSections>
    <SearchHistory>
      <add key="timelimit" value="365.23:59:59" />
    </SearchHistory>
    .
    .
    .
  </configuration>
```

4. The **timelimit** format is `days.hours:minutes:seconds`. For example, the value **365.23:59:59** indicates that the search history entries will be stored for 365 days, 23 hours, 59 minutes and 59 seconds.

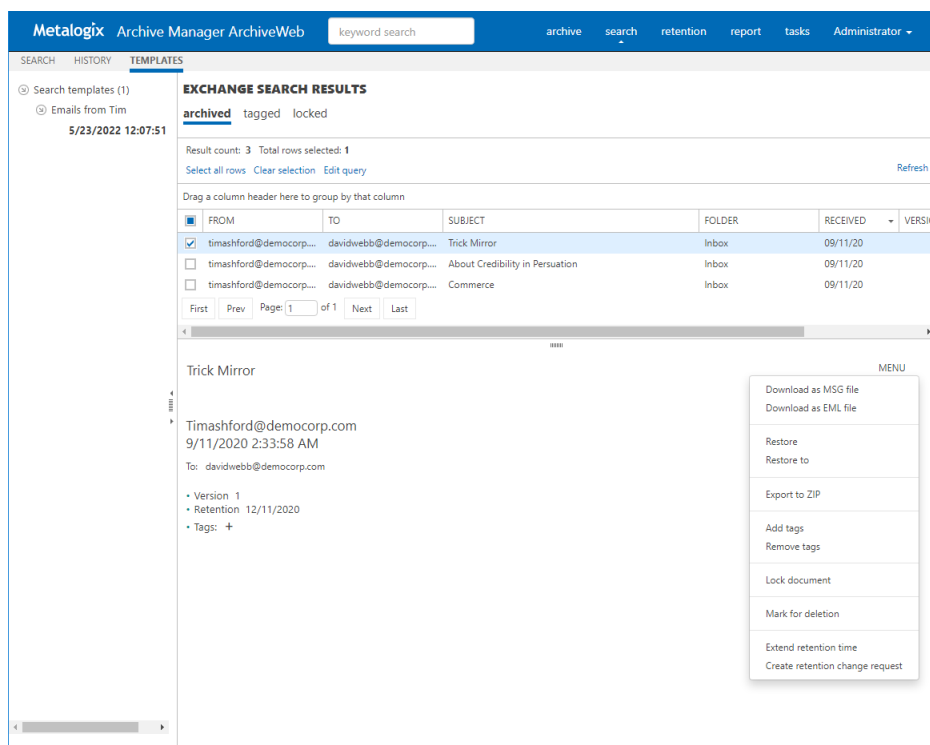
## Search Templates

When you expand the **Search > Templates** node, you may see a list of search templates that have been saved so far (search results can be saved from **History** tab as described in the “History” section).



Click on the arrow next to the template to expand the template node. Under this node you will see the link to respective search results - with the date and time when they were saved.

Clicking the search results link will display the search results in the main pane. Here you can benefit from the filtering functionality as in all ArchiveWeb lists – grouping, filtering by status (tagged, locked etc.) and creating custom filters.



The MENU link in the top right corner of the item detail pane offers additional actions for the selected item:

- **Download to MSG file** or **Download to EML file** – download the selected item.
- **Restore** or **Restore to** – restore the selected archived item to original item.
- **Export to ZIP** - exports the item to a ZIP file.
- **Add tags** or **Remove tags** – adds or removes a tag from the selected item.
- **Lock/Unlock document** – locks or unlocks selected item.
- **Mark for deletion** – marks the selected item for deletion. The item will be deleted according to the retention category in use.
- **Extend retention time** – increase the time for which the item cannot be deleted from the archive. Setting shorter retention than the actual retention is not supported. After the

specified period (in months) the item can be deleted manually or by a *Delete job* if such is scheduled in respective Enterprise Manager.

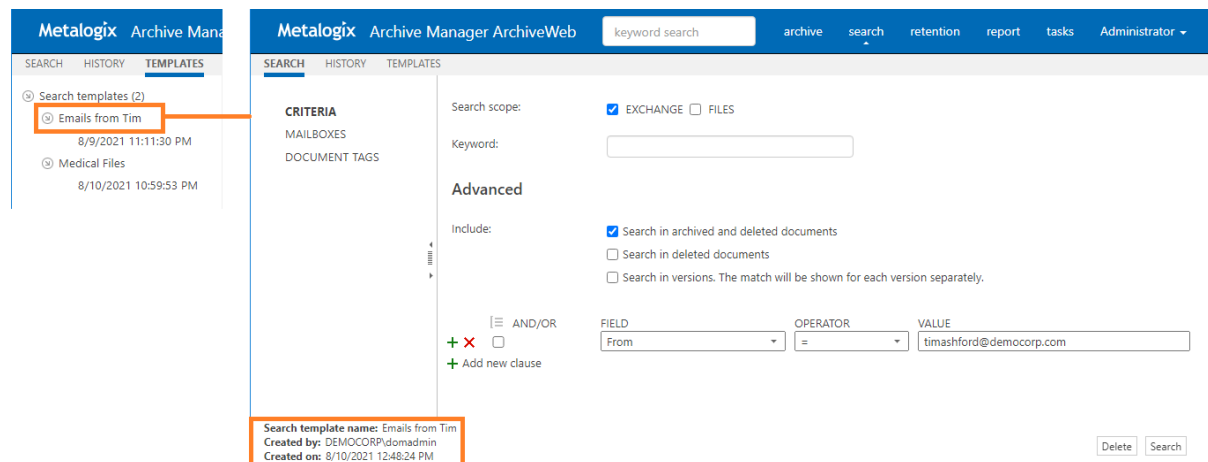
- **Create retention change request** – send a request to the approving person for selected item deletion or increased retention time when it can't be deleted from the archive. The *Approver* who is the person with adequate permission in Archive Manager, will receive the request through email notification if Archive Manager SMTP is properly configured.

## Templates handling

When you click on any template name under the **Templates** node, ArchiveWeb redirects you to the given search criteria page. It can be either Exchange, Files or Common search depending on the template. All search criteria are configured by the template. You can click **Search** to perform the same search with the search settings specified in this template.

On the screenshot below you can see how the template is displayed once you click its name under the **Templates** node. The main pane presents the usual Exchange/Files/Common search window. The only difference is the bottom part of the windows. There you see the template metadata (name, user, date of creation etc.) and action buttons:

- **Search** – runs search query
- **Delete** – deletes the template completely from the Templates node



---

# Report

With Report functionality at hand, users have overview of their email and/or file archives. Clear concise information in terms of how many items were archived, when, what is their size – original or shortcut etc. Files features also information on retrieved items.

Report section consists of two tabs - **Statistics** tab with information on archived emails/items and **Audit** tab with logs of user actions.

Please note that full access to this functionality must be granted to the user under Permissions (see the Roles & Permissions section).

## Statistics

This tab was designed to give the administrator fast, reliable and comprehensive information about archived emails/files. The number of emails/files, their size as well as space saved on the disc at archiving – all these essential data can be sorted by folder, user or time period. Exporting the statistics is also possible.

Statistics are available for:

- Exchange Archive
- Files Archive

**NOTE:** Not all **Statistics** functions may be available for the logged-on user. The user must be granted the necessary permissions. For more information see the **Roles** and **Permissions** sections.

### Exchange Archive statistics

To generate the Archive Manager for Exchange statistics click on the **Report** from the main menu bar. Then from the grey sub-bar click **Statistics** and unfold the **Exchange Archive** node. Then select whether you want to display statistics for:

- **Archived messages** (count of messages) or
- **Archived size** (size of original message; shortcut size etc.)

**NOTE: DATE RANGE SELECTION IS ALSO POSSIBLE (TO IMPROVE PERFORMANCE).** The statistics can be generated also in Archive Manager for Exchange Enterprise Manager.

## Files Archive statistics

To generate the Archive Manager for Files statistics click on the **Report** from the main menu bar. Then form the gray sub-bar click **Statistics** and unfold the **Files Archive** node. Then select whether you want to display statistics for:

- **Archived** (details on archived files) or
- **Restored** (detailed on restored files)
- **Archived versions** (details on files with versions in the archive)
- **Retention** (details on files whose retention ends at the listed date) - a new column “Retention remaining days” and pagination have been added

**NOTE:** The statistics can be generated also in Archive Manager for Files Enterprise Manager.

Range: 9/3/2018 - 9/18/2019 Generate

Export

Drag a column header here to group by that column

YEAR	MONTH	DAY	HOUR	COUNT
2019	7	13	9	3
2019	5	22	10	35
2019	5	22	9	20

Create Filter

Statistics table functions are similar to ArchiveWeb table functions:

- Change the column sorting order by selecting the given column header and clicking its down/up arrow on the right (in case the arrow is not visible adjust the width of the column by dragging the line)
- Group table data by any column. To do so, drag the column header to the bar right above the table. Generated groups can be expanded by clicking the arrows next to them. As usual, the sorting order can be changed by clicking the little arrow in the dragged column header.

To export the data, click **Export** at the top-right of the table. The *Export* menu opens and you can choose to export the statistics to Excel, CSV, PDF or RTF.

Range: 9/3/2018 - 9/18/2019 Generate

Drag a column header here to group by that column

YEAR	MONTH	DAY	HOUR	COUNT
2019	7	13	9	3
2019	5	22	10	35
2019	5	22	9	20

Create Filter

**Export**

- Export to CSV
- Export to PDF
- Export to RTF
- Export to XLSX

## Audit tab

This tab is accessible if:

- Auditing is configured (see the “Auditing” manual) and
- logged-on user has Auditing permissions activated

Auditing feature allows administrator (or other users defined in web config) to log defined user actions in the email archive, i.e. the administrator has an overview of archived / restored / retrieved emails and performed keyword searches. Even all actions made in Enterprise Manager console (both for Archive Manager for Exchange and for Files) are logged.

To view the logs, from the main pane click **Report**, then **Audit** from the grey sub-bar. Then unfold the **Email Archive** node to access the Archive Manager for Exchange logs or **Archive Manager for Files** node to access the Archive Manager for Files logs. Then you can browse through different types of logs – archive actions (Archive node), retrieve actions (Retrieve node) etc.

**NOTE:** Not all **Audit** tab functions may be available for the logged-on user. The functions must be allowed for the user. For more information see the **Roles** and **Permissions** sections.



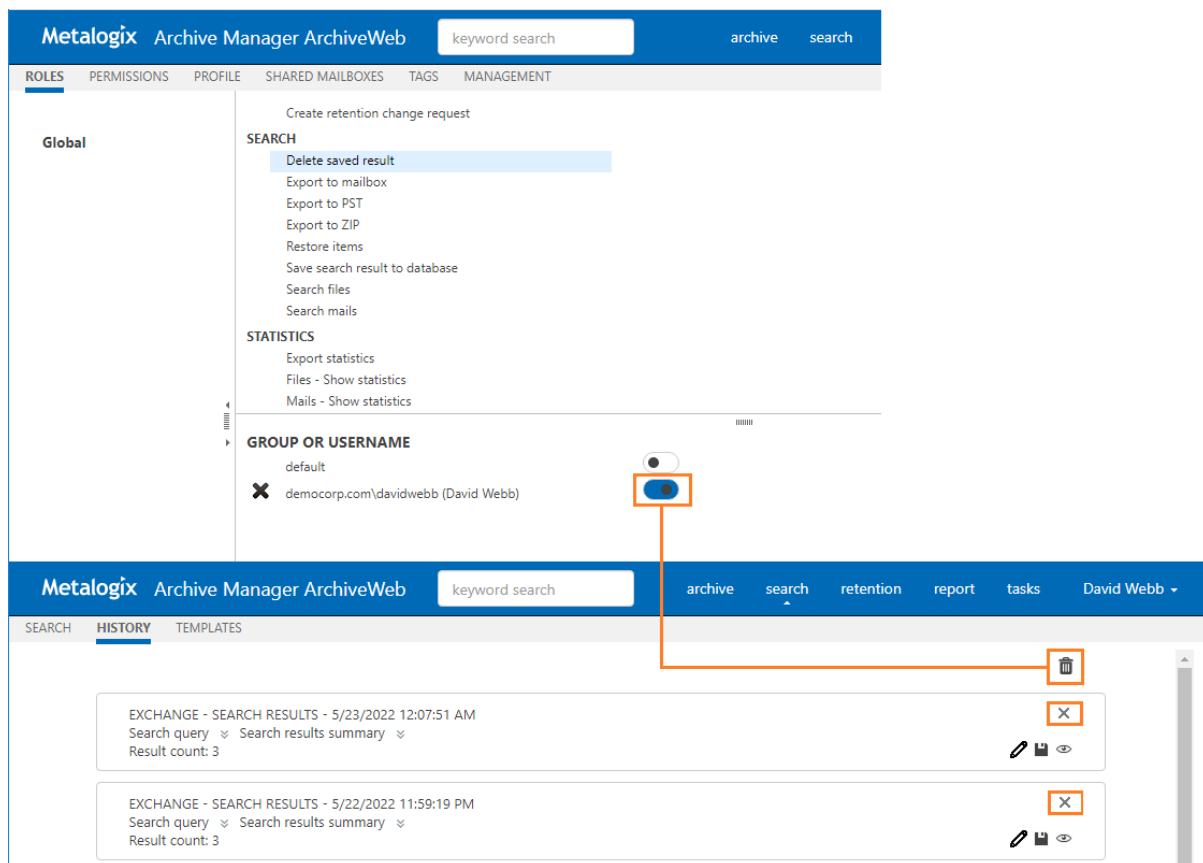
The log entries of the selected action are displayed in the main pane. Data of the log entry selected in the main pane are displayed below the list view (see the screenshot above).

## Audit Search

Special settings are available for **Email Archive/ Search** logs. Every search action is logged in the auditing log. By default user sees only its own search result logs displayed. To make all users' search logs available for the user, s/he must have "Access all mailboxes" permission allowed for Auditing (under **<LoggedOnUser>/ Manage Settings/ Roles**).

To check your auditing search:

1. Perform search
2. Preview and export the search result by permission
3. deactivate the "Delete" functionality for user (under **<Logged on user> / Manage settings / Roles**)



## List view conventions

List view functions are the same as in other ArchiveWeb lists:

- Change the column sorting order by selecting the given column header and clicking its down/up arrow on the right (in case the arrow is not visible adjust the width of the column by dragging the line)
- Group table data by any column. To do so, drag the column header to the bar right above the table. Generated groups can be expanded by clicking the arrows next to them. As usual, the sorting order can be changed by clicking the little arrow in the dragged column header.

Any audit entry can be downloaded or tags can be added or removed from it. All tasks are available through the **More actions** menu. Click the **More actions** menu button located on the bottom right just below the list view. Then you can e.g:

- **Add tags** or **Remove tags** : these options allow you to add or remove tags from selected items (for more information on tags see the “Tagged items tab” section)
- **Export results to ZIP** (only for ArchiveWeb/Archive Manager for Exchange/Search or ArchiveWeb/Archive Manager for Files/Search entries); this option will export search result items with summary to Excel file and allow to download the created ZIP to the user's local machine.

**i** **NOTE:** This function is only available if the user has “Export results to ZIP” role allowed for Audit (under <LoggedInUser>/ Manage Settings/ Roles).

- **Download log entry:** this option will download single log entry in log file format on user local machine.
- **Export to XLS:** When two or more items are checked, the **More actions** menu appears automatically under the list view. This option will export selected items to XLS file on the user's local machine and provide a download link to the same file.



**NOTE:** When downloading large amount of items it is reasonable to split the data in more XLS files. To do this value for the key "ItemsPerXLS" needs to be changed in ArchiveWeb's web.config file. The default value is "500000" and represents number of rows for single XLS file during the export. In order to set correct value for the key please refer to Excel limits on the page <https://support.office.com/en-us/article/excel-specifications-and-limits-1672b34d-7043-467e-8e27-269d656771c3>.

For more information on Auditing (how to install, configure it etc.) see the *Auditing Guide*.

# Tasks

Tasks option in the navigation ribbon at the top of the page gives the user an overview of asynchronous tasks started by the logged-on user.

Tasks in the list are ordered. Running tasks are at the top of the list. Then waiting tasks follow (in the order in which they will be started). Completed and failed tasks are listed with the most recently completed task listed first.

TASKS					
STATUS	TASK				
	START	FINISH	TOTAL COUNT	PROGRESS	
Running	[EXCHANGE] - EXPORT TO ZIP 4/9/2022 3:30:22 PM		1,121	572	×
Completed	[FILES] - EXPORT TO ZIP 4/2/2022 1:15:09 PM    4/2/2022 1:35:27 PM		5,768	Download	×
Failed	[EXCHANGE] - ADD TAG 3/15/2022 9:01:34 AM    3/15/2022 9:05:11 AM		10,000	Error log	×

Refresh

The **Tasks** window allows the following operations:

- **Pin** icon - click this icon keep the task list open at all times while you browse to other pages.
- **Refresh** - click this button to reload the task list. The list is automatically refreshed at a pre-defined interval (see Profile / Automatic refresh interval)
- **Close** (X) icon - click X at the top right corner to close the Tasks window

The **Tasks** list contains the following columns:

- **Status** - task status can be one of the following:
  - Waiting - task is waiting in the queue to be run
  - Running - task is running
  - Completed - task successfully completed
  - Failed - task completed with errors
- **Task** - task name including version name and operation name e.g. [AUDIT] - EXPORT TO XLS means that the logs from Auditing are exported to and Excel file.

- **Start** - task start date and time.
- **Finish** - task completion date and time.
- **Total Count** - number of items to be processed by the task
- **Progress** - displays the progress or operation result. For export tasks such as Export to XLS, Export to PST and Export to ZIP this column displays a counter (how many items are already processed). For other operation types this column is empty. When task has finished, this column can contain download link (link to download processed items or link to download error logs).
- **Delete All** icon - deletes all the tasks from the list. Select **Don't show this dialog again** option in the confirmation dialog to hide the confirmation dialog for all the other tasks that are deleted. This action is valid for the current session and the confirmation dialog will be displayed again when the user starts another session.
- **Delete row (X)** icon - deletes the task from the list.



**NOTE:** Export tasks such as "Export to ZIP" or "Export to PST" can be very resource consuming and can cause some issues, especially time-outs. To minimize these problems, see the [Export Tasks IIS Settings Suggestions](#).

# Addendum

- [Troubleshooting](#)
- [List of Default ArchiveWeb Permissions](#)

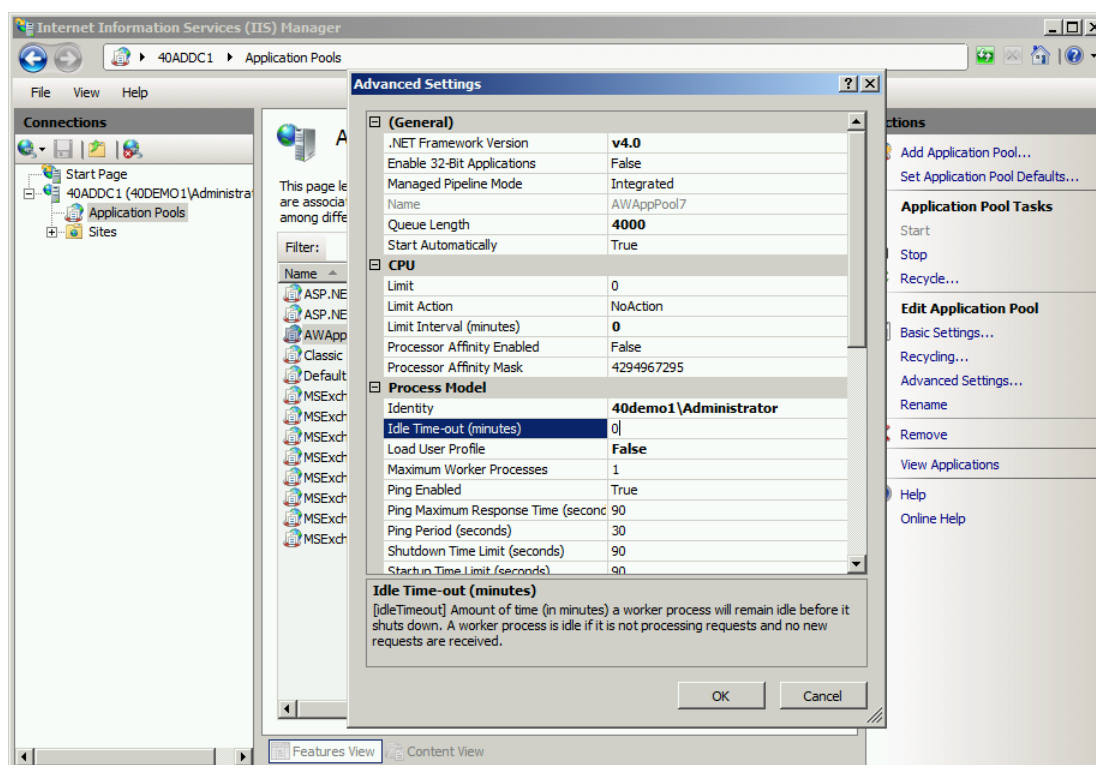
## Export Tasks IIS Settings Suggestions

Export tasks such as "Export to ZIP" or "Export to PST" can be very resource consuming and can cause some issues, especially time-outs. To minimize these problems, try configuring the following settings:

### Process Model - Idle Time-Out

Modify the Idle Time-Out setting for *AWAppPool7*, *FilePAMAppPool* and/or *EPAMAppPool4* application pools in the IIS.

For example: Go to IIS -> Server Name -> Application Pools -> AWAppPool7 and click **Advanced settings**. Set the value to zero.

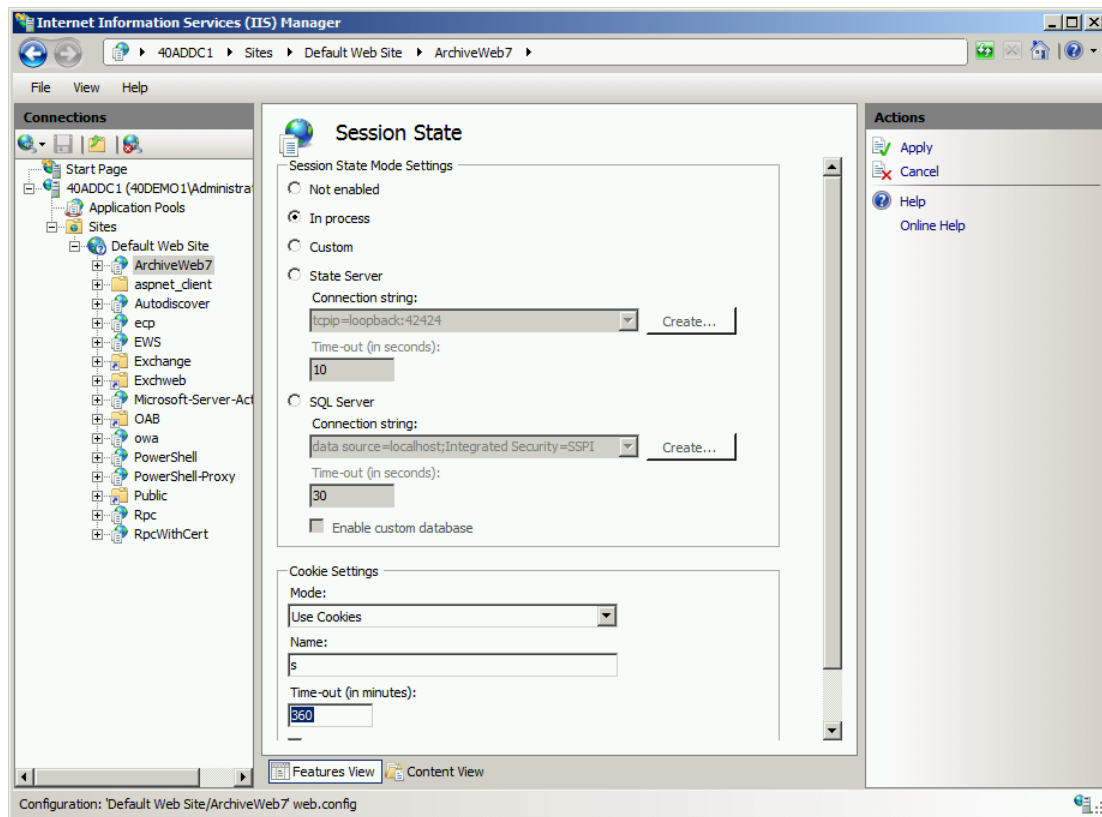


## Web Sites - Session Time-Out

Export task can run several minutes or hours. When the task is running a session time-out can occur. This will cause the failure of the task operation.

To prevent this from happening, modify the **Time-out** setting for *ArchiveWeb*, *ExchangePAMWS* and/or *FilePAMWebService* web sites in the IIS to large enough number.

For example: Go to IIS -> Server Name -> Sites -> Default Web Site -> ArchiveWeb click on **Session State**



**Please note:** for ArchiveWeb web application – make sure the “sessionState” setting in web.config is synchronized with IIS’ cookie time-out. Application session time-out will expire when the IIS’ cookie time-out value is reached therefore for correct ArchiveWeb functionality the “sessionState” in web.config should be set to same or lower value.

## Troubleshooting

This section offers solutions to most common problems users can encounter in relation to new ArchiveWeb.

### IIS Error 403 Forbidden

When this error occurs after installing/updating the ArchiveWeb application it is necessary to run the following commands from the command line to re-register the .NET Framework:

```
c:\WINDOWS\Microsoft.NET\Framework\v4.0.30319\aspnet_regiis.exe -iru  
c:\WINDOWS\Microsoft.NET\Framework\v4.0.30319\iisreset
```



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