

# Configure Exchange Journaling

Exchange provides the following journaling options:

- **Premium journaling:** *[Suggested]* Use *journal rules* to journal messages based on recipients (all recipients or specified recipients), and scope (internal messages, external messages, or all messages).
- **Standard journaling:** Journal all messages that are sent to and received by mailboxes on a specific mailbox database. To journal all messages in your organization, you need to configure journaling on all mailbox databases on all Exchange servers.

## Premium Journaling

Premium journaling uses *journal rules* to record messages based on recipients (all recipients or specified recipients) and scope (internal messages, external messages, or all messages). Premium journaling requires Exchange Enterprise client access licenses (CALs) only for filtering. For more information about CALs, see [Exchange Server Licensing](#).

- Log on to the *Exchange admin center* of your Microsoft Exchange environment.
- Select the *compliance management* menu item.
- On the *journal rules* tab, click on + (*New*).
- The dialog window *New Journal Rule* opens:

new journal rule

Apply this rule...

\*Send journal reports to:

Name:

\*If the message is sent to or received from...

\*Journal the following messages...

 To use premium journaling, you must have an Enterprise Client Access License (CAL). [Learn more](#)

- In the *Send journal reports to: archiver@archiver\_hostname* where “archiver\_hostname” is the **FQDN** of your Libraesva Archiver appliance.
- Enter a *name* for the journal rule, e.g. *Archiver Journaling*.
- In the *If the message is sent to or received from...* section select whether the rule should apply to all messages or to specific users or groups.
- Under *Journal the following messages...*, choose whether to capture all messages, internally sent messages only, or only those messages with an external sender or recipient.
- Click on *save* to activate the rule.

×**NOTE:** Please keep in mind that in complex Microsoft Exchange environments it may take several minutes until the new rule becomes effective.

×**NOTE:** Premium journaling requires Exchange Enterprise client access licenses (CALs) only for filtering journaling flow by user or by group. For more information about CALs, see [Exchange Server Licensing](#).

## Create a Send Connector

×**NOTE:** This step may not be necessary if domain name of the Libraesva Archiver server has an MX record with the IP address of the Libraesva Archiver Virtual Appliance

To create the Send Connector to forward journal traffic to the Libraesva Archiver proceed as follows:

- Open the Exchange Management Console web page
- Click on **Mail Flow**
- Select **Send Connector** tab
- Click the “+” symbol to create a new connector.
- In Name field, enter Libraesva Archiver
- Select **Custom** as Type
- Click **Next**
- Select **Route mail through smart hosts**
- Enter the IP address of the Libraesva Archiver server. Click Save, then **Next**
- Leave smart host authentication settings as None. Click **Next**
- Click **[+]** in Address Space
- Enter fully qualified domain name (FQDN) of the Libraesva Archiver (e.g. archiver.yourcompany.com). Leave defaults SMTP as Type and 1 as Cost.
- Choose the hub transport servers that apply (if you have only one Exchange server, choose it by clicking on + button)
- Click **Finish**.

## Libraesva Archiver Configuration

On the Libraesva Archiver you need to setup a SMTP Listener that will accept the journal traffic sent from your Exchange Server.

- Select menù **Archiver->Mail Sources->SMTP Journaling** and click on the green **[+]** to add a new listener:

**Archiver / Mail Sources / SMTP Listeners / Add** ?

In order to correctly identify the tenant each email will be assigned to, you must configure an authentication method.  
Note that you cannot configure more than one listener with identical authentication configurations.

**Authentication**

- IP**  
The ownership is defined by the **source IP**. All email sent by this IP address will be automatically assigned to this tenant.
- IP + Domain**  
The ownership is defined by the combination of the **source IP** and the **domain of the envelope recipient**. The same IP address can deliver email to multiple tenants by using different recipient addresses.  
Example: archiver@tenant1.archiver.com, archiver@tenant2.archiver.com, ...
- SMTP**  
The ownership is defined by the **credentials** (username and password) used in the SMTP authentication. The same IP address can send email to multiple tenants by changing the authentication credentials.
- SPF**  
The ownership is defined by the **domain of the envelope sender** which will be **validated via SPF**. This configuration works also when multiple tenants use the same shared IP addresses, like for office365 tenants.

**Type**

- Journaling**  
Journaling is the favourite method. Journaling is natively supported by Exchange, Microsoft 365, Google Workspace, Zimbra and other systems.
- Forward**  
If your system does not support journaling, configure the mail server to forward a copy of each mail to the archiver.

**Allowed inactivity hours** ?

Active

IP [sender]

← Back Save

Select **IP Authentication** and enter your Exchange IP Address. Select **SMTP Journaling** under Type Dropdown and make it **Active**.

- Check that emails are forwarded into your Libraesva Archiver.

## Setup Standard Journaling

Standard journaling records all messages that are sent to and received by all mailboxes on the specified mailbox database. You enable journaling by specifying the journaling mailbox for the database (the mailbox that stores the journaled messages). The steps required are:

1. Create the Journaling Mailbox
2. Setup the Standard Journaling

### Step 1 - Journaling Mailbox

If you already have a Journaling Mailbox you can go directly to Step 2

- Log on to the *Exchange admin center* of your Microsoft Exchange environment as an Exchange administrator.

- Choose the *recipients* menu item.
- In the *mailboxes* section, click on + (*New*) and choose *User mailbox*.
- Enter a valid *Alias* (e.g. *journal*).
- Select the option *New user*.
- Enter the necessary data to create a new user.
- Click on *More options...*
- Click on *Browse* to select a mailbox database.
- Click on *save*.

## **Step 2 - Standard Journaling Setup**

- Log on to the *Exchange admin center* of your Microsoft Exchange environment.
- Select the *servers* menu item.
- On the *databases* tab, double-click on the mailbox database for which you want to set up journaling.
- Select the *maintenance* tab.
- Click on *browse...* next to the *Journal recipient:* box.
- Select the user that was created in step 1 from the recipient list and confirm with *OK*.

## DatabaseLibraEsva\_EX16

general

► **maintenance**

limits

client settings

Journal recipient:

  

Maintenance schedule:

	00	02	04	06	08	10	12	14	16	18	20	22
Su												
Mo												
Tu												
We												
Th												
Fr												
Sa												

Enable background database maintenance (24 x 7 ESE scanning)  
 Don't mount this database at startup  
 This database can be overwritten by a restore  
 Enable circular logging

Specify a recipient to enable journaling on this mailbox database. Remove the recipient listed to disable journaling.

- Click on Save

## Libraesva Archiver Configuration

You now have to configure the Libraesva Archiver to retrieve these messages. Supported protocols are IMAP(S) and POP3(S).

- Take note of all the informations needed to access the journal mailbox defined above
- On the Libraesva Archiver click the menù *Archiver->Mail Sources->IMAP/POP3 Journaling*
- Click on the green **[+]** to add a new entry

Archiver / Mail Sources / [IMAP Connections](#) / Add ?

Connections  
IMAP  Active

Hostname  Port

Username  Password

Encryption protocol  
SSL  Validate Certificates

Type  
Journaling  Delete mails after indexing ?

✓ Validate settings & Load folders

← Back

- Fill in all the informations to access the mailbox. Under *Type* dropdown select **Forwarding** and leave enabled Delete mails after indexing.
- **Validate** your settings and **Save**
- Check that emails are pulled into your Libraesva Archiver.