



ELO XC

Operation



Table of contents

| | |
|-------------------|----------|
| Operation | 3 |
| ELO XC Manager | 3 |
| Instance overview | 13 |
| Tools | 21 |

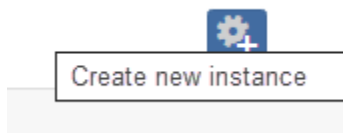
Operation

ELO XC Manager

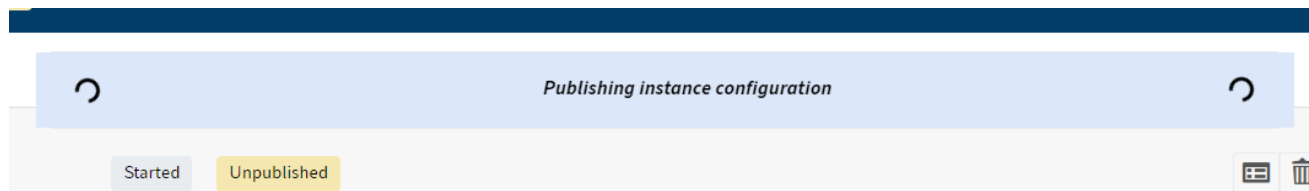
Overview

ELO XC Manager is a browser-based interface that is integrated into ELO XC. To access the interface, the service must be running. It provides functions for managing and configuring the service and contains these areas:

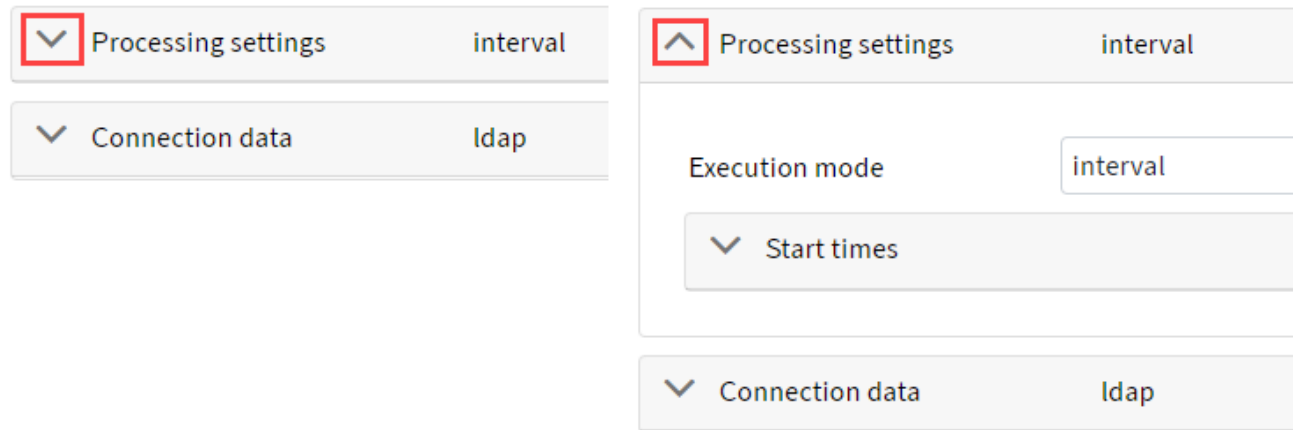
- Logon screen: This screen is where you can log on as an ELO user.
- Menu: The ribbon contains status indicators and additional functions.
- Instance overview: This page contains an overview of all instances that are registered for the selected Indexserver.
- Instance configuration: This page contains the configuration of a single instance.
- Miscellaneous: This includes different tools, additional functions and/or notifications.



The display texts and icons in the manager often have tooltips. If you move the cursor over a text or icon and remain there, the information will appear. Configuration parameters always feature a tooltip.



Many ELO XC functions that you can access in the Manager trigger complex actions and can therefore take a few moments. The Manager indicates the execution status of the function.



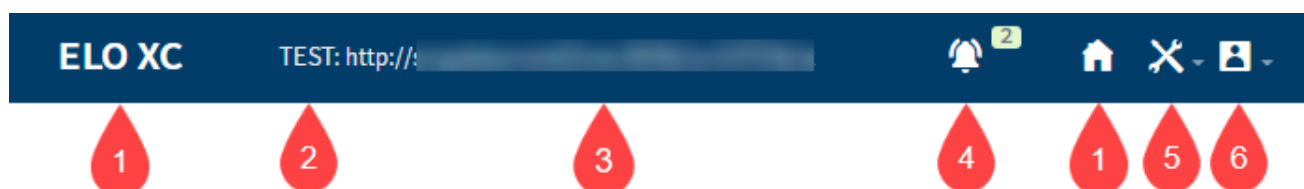
Many areas of the interface are first displayed in a minimized view during a Manager session. These areas feature vertical arrow icons that enable you to show or hide the options.

Authentication

The authentication form for ELO XC Manager. It features the ELO XC logo at the top left. Below the logo are three input fields: 'Indexserver URL', 'User account', and 'Password'. At the bottom of the form is a large blue button labeled 'Log on'.

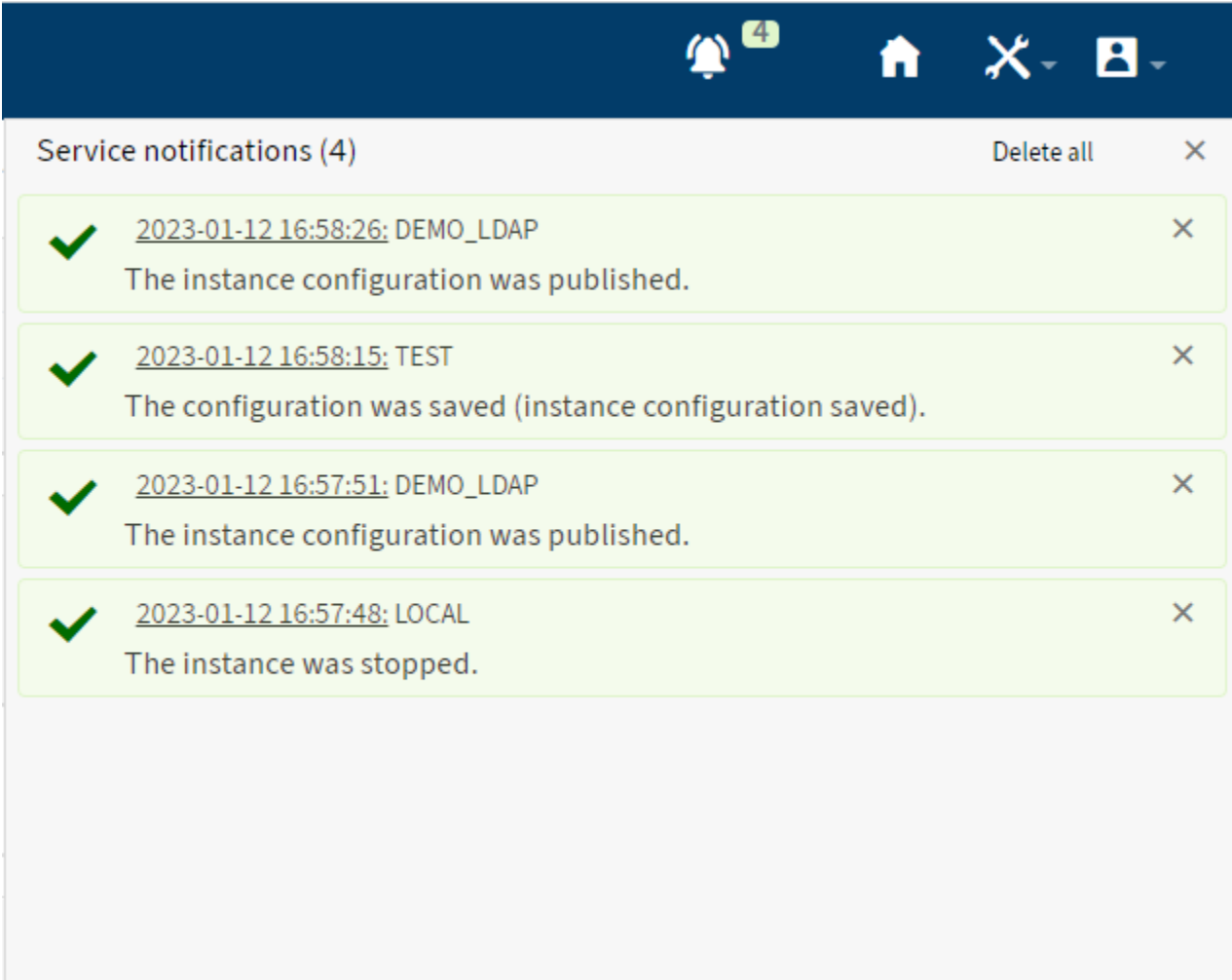
An Indexserver needs to be available so that you can log on to ELO XC Manager. If instances have already been registered, you can double-click to view a list of the Indexservers already in use. The ELO user account must have main administrator permissions.

Menu



- 1 Home: Navigation on the instance overview page
- 2 ELO XC version number
- 3 Server type (values: PROD, TEST, DEV)
- 4 Indexserver you are connected to
- 5 Version number of the Indexserver you are connected to
- 6 Service notification: All service notifications
- 7 Tools drop-down menu: Access to various functions
- 8 User drop-down menu: Log out and help options

Service notifications



The screenshot shows the ELO XC user interface. At the top is a dark blue navigation bar with icons for notifications (a bell with a green badge showing '4'), home (a house icon), tools (a wrench icon with a dropdown arrow), and user profile (a person icon with a dropdown arrow). Below the navigation bar is a section titled 'Service notifications (4)' with a 'Delete all' link and a close icon (X). The notifications are listed in a table with four rows, each showing a green checkmark, a timestamp, a server name, and a message. Each row also has a close icon (X) on the right.

| Service notifications (4) | | Delete all | X |
|---------------------------|--|------------|---|
| ✓ | <u>2023-01-12 16:58:26</u> : DEMO_LDAP The instance configuration was published. | | X |
| ✓ | <u>2023-01-12 16:58:15</u> : TEST The configuration was saved (instance configuration saved). | | X |
| ✓ | <u>2023-01-12 16:57:51</u> : DEMO_LDAP The instance configuration was published. | | X |
| ✓ | <u>2023-01-12 16:57:48</u> : LOCAL The instance was stopped. | | X |

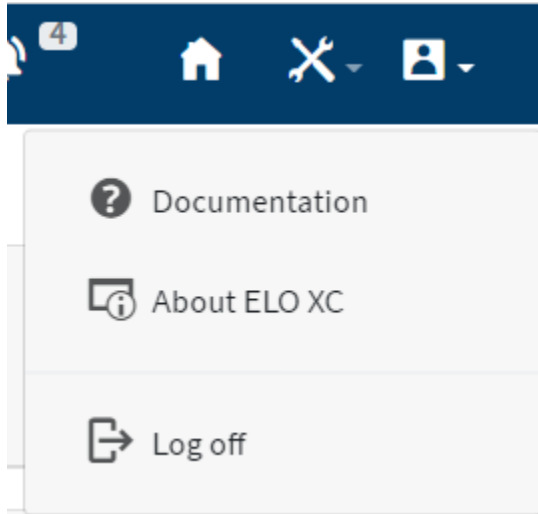
Function calls in the manager are usually acknowledged with status messages that you can view in the list of service notifications. These notifications are only kept for a certain time if they have been displayed at least once.

Green: If there are new success notifications, the counter is green.

Yellow: If there are notifications with at least one new warning, the counter is yellow.

Red: If the list contains at least one error notification, the counter is red. If all notifications have been displayed at least once, the counter will not be shown with a color.

'User' drop-down menu

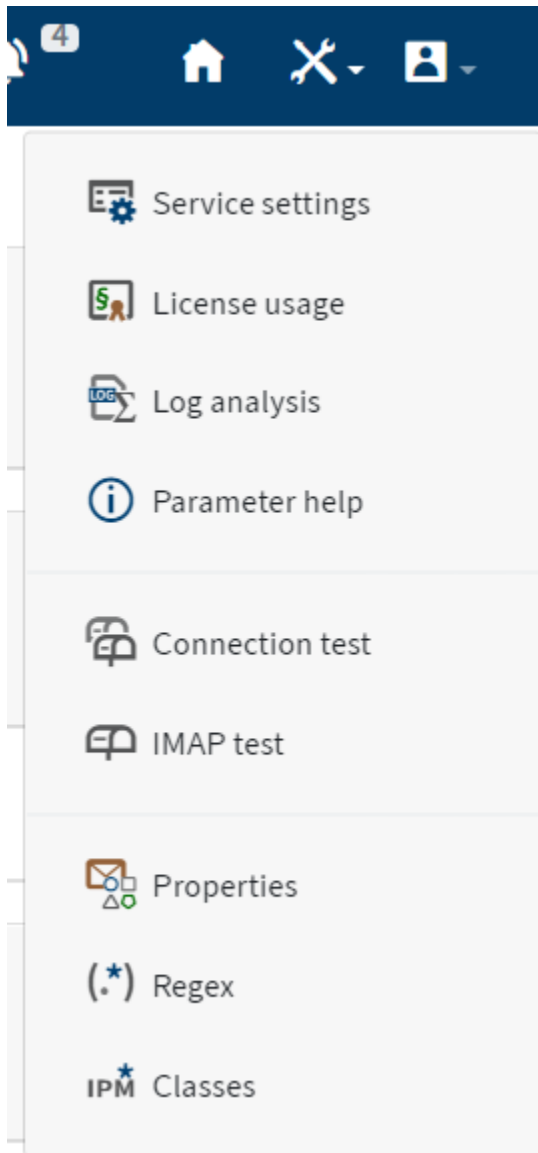


Documentation: Opens this documentation (ELO Docs).

About ELO XC: Displays additional information about the product.

Log off: Ends the current session.

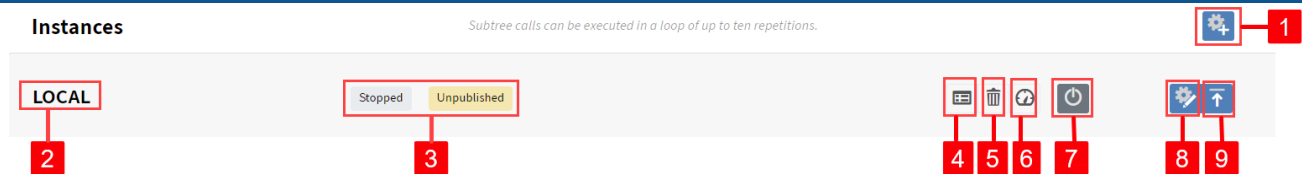
'Tools' drop-down menu



The *Tools* drop-down menu provides access to various functions. You will find more information about these in the *Tools and help* section.

Instance overview

The instance overview is the home screen in ELO XC Manager. This is where you will find all registered Indexserver instances. To switch Indexservers, you have to end the current session and log on to ELO XC Manager again.



The registered instances are shown in a list.

1 Register instance: Add an instance to *ELOxc.xml*.

2 Unique name of the instance

3 Status of the instance

4 Edit registration: Edit the ELO user and password.

5 Delete registration: Removes the registration from *ELOxc.xml*.

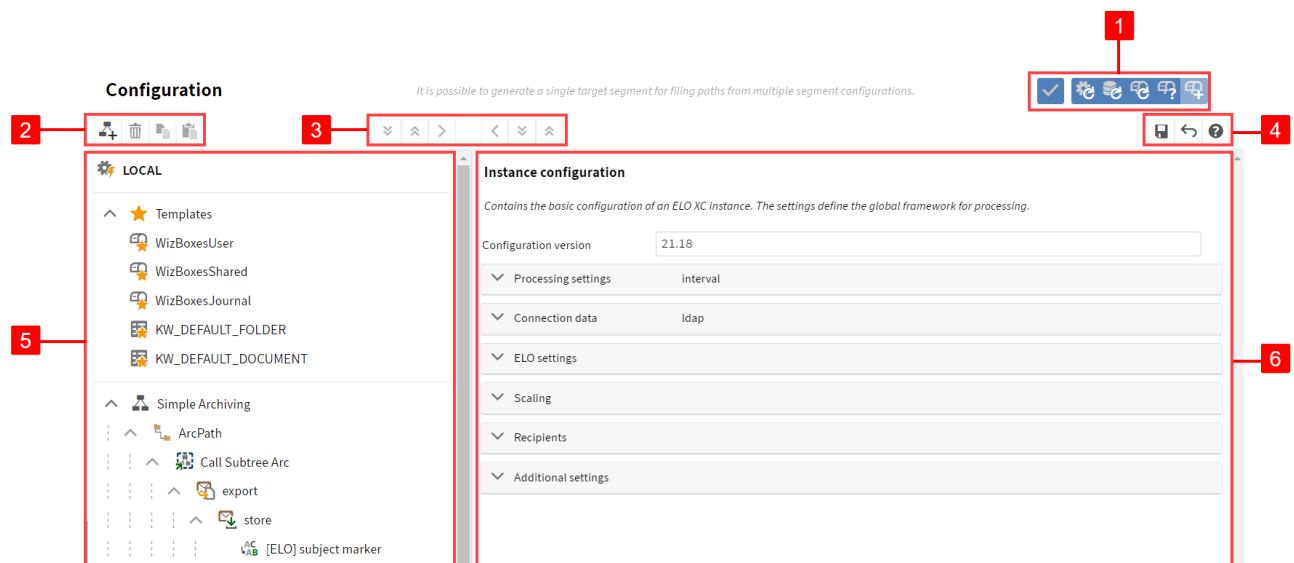
6 Start processing: Activates the instance and starts processing according to the configuration.

7 Processing statistics: Displays the processing statistics of the instance.

8 Edit configuration: Opens the instance configuration.

9 Publish configuration: Activates the working version of the service configuration.

Instance configuration



1 Configuration functions: Functions for the entire instance configuration.

2 Tree functions: Functions for action trees

3 Tree view/Form view: Functions for displaying the tree/form

4 Form functions: Functions for form parameters

5 Configuration structure: Tree view area

6 Parameters: Form view area

All processing parameters of an instance are defined in the instance configuration.

The instance configuration is divided into two areas. The left side contains the tree view structure. All configuration nodes of the instance are displayed here. When you select a node, you see the corresponding parameters in the form view on the right.

Configuration functions



1 Validation: The current instance configuration is checked for plausibility errors.

2 Load service configuration: If no mailbox catalog has been loaded once the configuration page opens, this function is also executed once.

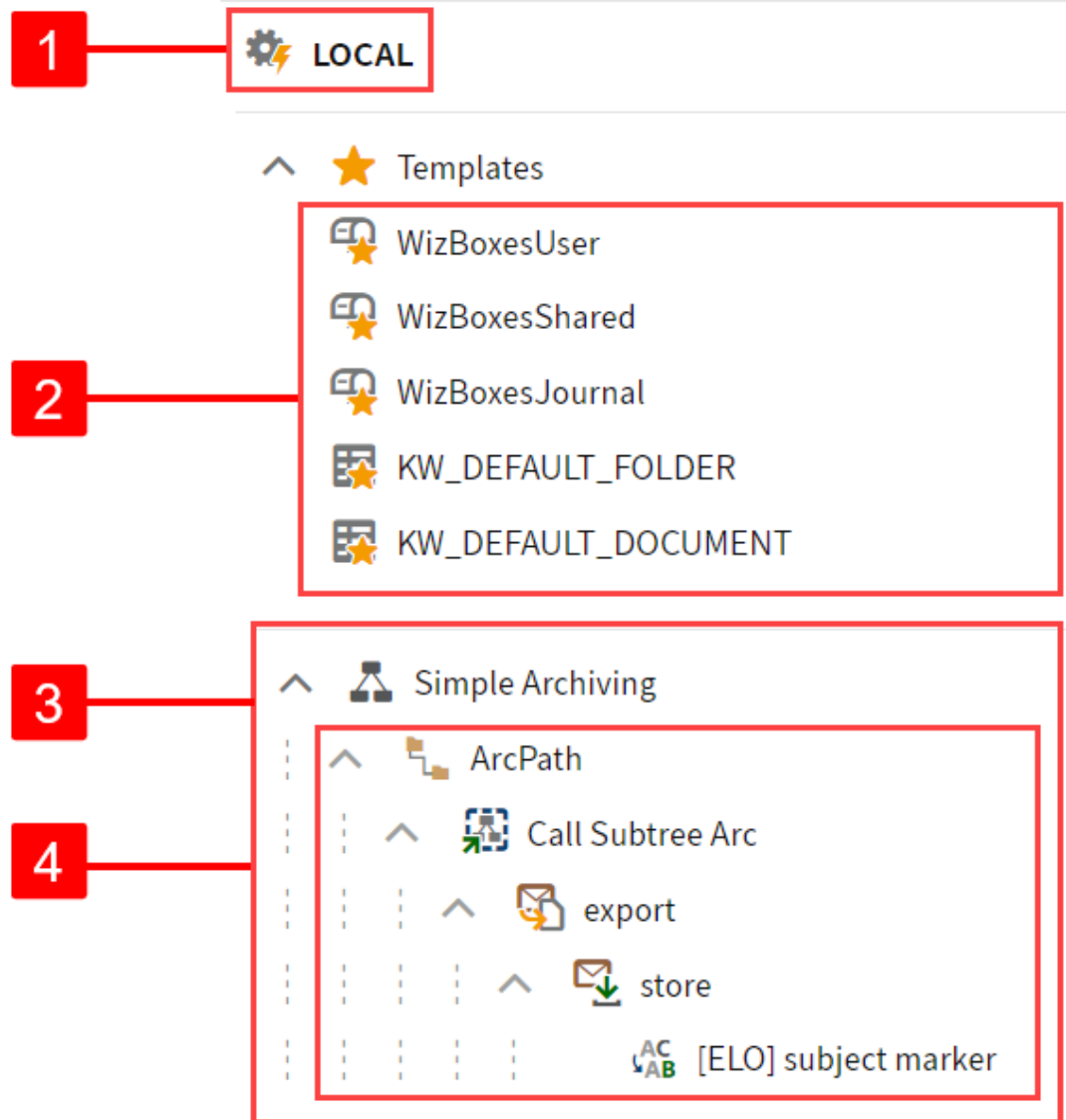
3 Load master data: The master data of the ELO repository (e.g. users, metadata forms, encryption keys) are reloaded.

4 Load mailbox catalog: The mailbox catalog is reloaded with the current connection parameters.

5 Mailbox usage: The usage of catalog mailboxes in the current configuration is displayed in a separate dialog box. You can also assign mailboxes to list templates here.

6 Mailbox registrations: This is where you can manage mailboxes statically configured by mailbox owners and save them to the configuration.

Configuration structure



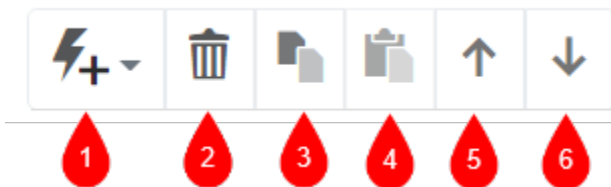
1 Configuration level: Instance: Configuration node of the current instance

2 Configuration level: Templates: Configuration nodes of the current templates

3 Configuration level: Action trees: Configuration node of the action trees

4 Configuration level: Actions: Configuration nodes of the actions

Tree functions



Functions

1 Add action tree: You can add action trees when you select an instance node.

2 Delete: The current configuration is deleted.

3 Copy: The current configuration node is copied to the clipboard.

4 Insert copy: The configuration node on the clipboard is pasted at the selected position.

1 Add template: When you select the template node, you can add individual templates.

2 Delete

3 Copy

4 Insert copy

1 Add action: You can add actions when you select an action tree or an action.

2 Delete

3 Copy

4 Insert copy

5 Move action tree forward: The selected action tree is moved forward by one position.

6 Move action tree back: The selected action tree is moved back by one position.

Functions

1 Add action

2 Delete

3 Copy

4 Insert copy

5 Invert action logic: The execution condition of the current action is inverted. If it is *true*, it changes to *false*, and vice versa.



Some tree functions depend on the selected node type, while others apply universally for all nodes.

Form functions



1 Save: Changes to parameters are saved.

2 Undo: Changes to parameters are reversed.

3 Parameter help: Displays the parameter help for the current configuration type.

Display functions



1 Expand configuration nodes :The nodes below the selected node are displayed.

2 Collapse configuration nodes :The nodes below the selected node are hidden.

3 Expand tree view: Widens the view of the configuration.

4 Expand form view: Widens the view of the form.

5 Expand form level: Displays another form level.

6 Collapse form level: Hides the lowest form level.

Instance overview

Register instance



To register a new instance, you need to run the *Register new instance* function in the instance overview.

New instance - Registration (1/3)

Name of the instance and Indexserver authentication

Indexserver URL

ELO account

ELO password

Instance name

Cancel

Register

A dialog box opens where you must first enter the ELO account and a unique name for the instance.

New instance - Registration (1/3)

Name of the instance and Indexserver authentication

Indexserver URL

ELO account

Instance name

The instance was registered.

Finish

Next

When you click *Register*, your entries are transferred to the *ELOxc.xml* file. A success message is displayed in the dialog box.

If you select *Finish* at this point of the registration, you will get an empty instance configuration that you have to configure before it can be used.

If you continue by clicking *Next*, you can create a standard, fully configured and executable instance in the following steps. First, you need to select a catalog type:

-

For on-premises Exchange servers, choose the *ldap* type.

- If you want to process mailboxes in the Microsoft Cloud, you need *m365*.

New instance - Connections (2/3)

The authentication credentials for the mailbox catalog "ldap" and for processing mailboxes with EWS. Before you can continue, you must successfully test both connections.

| | |
|----------------|-------------------------------------|
| Catalog type | ldap |
| Directory name | xcservice@xc.local |
| Authentication | xc.local |
| Key | |
| Emulate shared | <input checked="" type="checkbox"/> |

[Cancel](#) [Catalog test](#)

New instance - Connections (2/3)

The authentication credentials for the mailbox catalog "ldap" and for processing mailboxes with EWS. Before you can continue, you must successfully test both connections.

| | |
|----------------|-------------------------------------|
| Catalog type | m365 |
| Directory name | mytenant.onmicrosoft.com |
| Authentication | |
| Key | |
| Emulate shared | <input checked="" type="checkbox"/> |

[Cancel](#) [Catalog test](#)

You must run a *catalog test* for the connection parameters to be accepted. You will see a corresponding message if it is successful.

New instance - Connections (2/3)

The authentication credentials for the mailbox catalog "ldap" and for processing mailboxes with EWS. Before you can continue, you must successfully test both connections.

| | |
|------------------|----------------------|
| Catalog type | ldap |
| Directory name | xc.local |
| Authentication | xcservice |
| Test SMTP | <input type="text"/> |
| Autodiscover URL | <input type="text"/> |

The catalog test was successful.

Cancel

EWS test

You can now enter a mailbox of the catalog to run an *EWS test*.

New instance - Connections (2/3)

The logon for the mailbox catalog "ldap" and for mailbox processing with EWS. Before you can continue, you must successfully test both connections.

| | |
|----------------|--------------------|
| Catalog type | ldap |
| Directory name | xc.local |
| SMTP address | xcservice@xc.local |
| Authentication | xcservice |

The EWS test was successful.

Abbrechen

Weiter

If the EWS test is successful, you will get a corresponding message.

Click *Next* to specify details of the instance configuration.

New instance - Action trees (3/3)

Select which action trees you want to create. All available mailboxes are automatically enabled for processing. If you also want to process a journal recipient, you must enter the corresponding mailbox address. The archiving and deletion ages must be entered in the format [ddd:hh:mm:ss].

| | |
|----------------------|---|
| Scheduled | <input type="text" value="000:01:00:00"/> |
| Create mailbox lists | <input checked="" type="checkbox"/> |
| Default archiving | <input checked="" type="checkbox"/> |
| Default deletion | <input checked="" type="checkbox"/> |
| Journal archiving | <input checked="" type="checkbox"/> |
| Archiving age | <input type="text" value="000:00:00:01"/> |
| Deletion age | <input type="text" value="000:00:00:01"/> |

[Cancel](#) [Finish](#)

Scheduled: Instances are always scheduled. Include a scheduled pause in processing if required.

Create mailbox lists: When you create mailbox lists, all cataloged mailboxes are included in list templates and assigned to action trees.

Standard archiving: With the *Standard archiving* option, a simple action tree for processing user mailboxes is created.

Standard deletion: The *Standard deletion* option allows you to create an action tree for deleting stored messages.

Journal archiving, journal deletion: Action trees for processing journal mailboxes can be generated in the same way as for the *Standard archiving/Standard deletion* option.

Archiving age, deletion age: The *Archiving age* and *Deletion age* options determine the minimum age of messages so that they can be selected respectively by the Archive and Delete action trees.

Select *Finish* to generate the configuration.

MYINSTANCE

Load error

Unpublished



Afterwards, the newly registered instance appears in the overview.

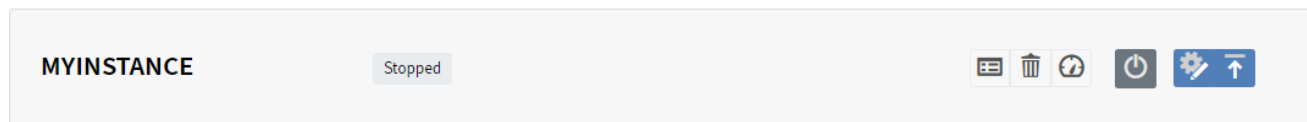
The instance state is automatically *Load error* for newly created instances. This means that the service configuration could not be loaded because the new instance configuration is in the workspace and must be published before it can be put into operation.

Publish configuration



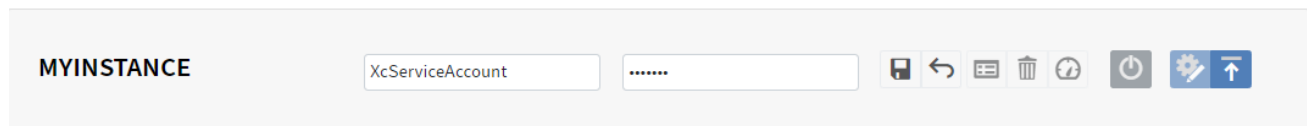
If there are differences between the service configuration and the working version in the manager, the instance state is marked as unpublished.

To activate a working version, it must be published. If the instance was started, you need to stop it before you can publish the configuration. You cannot change the configuration of a service once it is running.



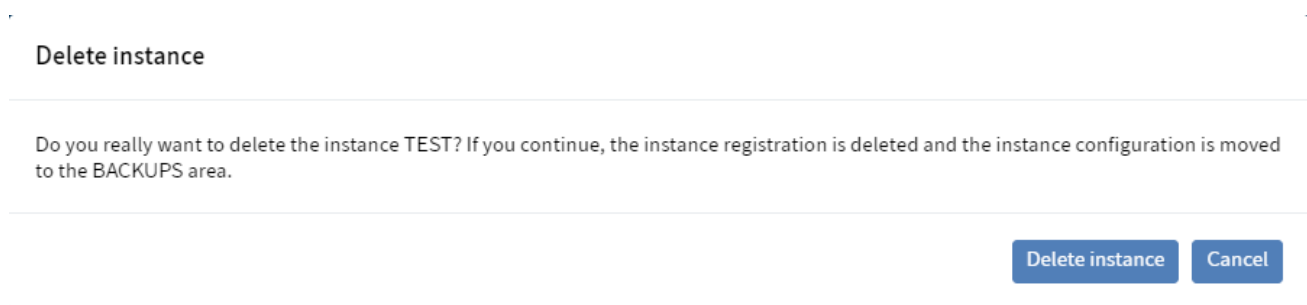
Publish allows you to commit the working version to the service. Once it is successfully published, the *unpublished status* tag disappears.

Change registration



With the *ELO logon* option, you can change the account used for registration at any time. However, keep in mind that the account must always be one that has main administrator privileges.

Delete registration



If you no longer need an instance, you can use *Delete* to remove the registry entry from *ELOxc.xml*. Before this process is completed, you must confirm the deletion.

Start/stop instance



You can manually start a stopped instance. Click the *instance stopped* button.

Depending on the selected mailbox catalog, the instance can take a few moments to start. A started instance in wait mode is marked with the *started* status.

A started instance that is currently executing a job is marked with the *processing* status.



If you click the button when the instance is started, the instance will be stopped at the next possible time. This process may take a few moments depending on the current instance activity.

You can view the processing status of an active instance (*processing* state) at any time. Open the processing statistics with this button:



Processing statistics

The processing statistics are divided into two parts. The first part can be opened as a short overview below each instance.

| LOCAL | | Started | Unpublished | | | | | | |
|------------------------------------|---------------------|-----------------|-------------|----------------|---|---------|--|-------|----|
| Overview | | Current | | | | | | | |
| Instance start [UTC] | 2023/01/18 10:41:29 | Job start [UTC] | | Mailboxes | 0 | Current | | Total | |
| Last end of processing [UTC] | 2023/01/18 12:42:32 | Action tree | | Items | 0 | | | | 34 |
| Total time active [d:h:m:s] | 000:00:01:02 | Mailbox | | Folders | 0 | | | | 16 |
| Idle time [d:h:m:s] | 000:01:59:59 | Folder | | Error | 0 | | | | 0 |
| Last processing duration [d:h:m:s] | 000:00:00:22 | Items Collected | 0/0 | Items deleted | 0 | | | | 0 |
| Number of jobs processed | 2 | | | Items archived | 0 | | | | 0 |
| | | | | Volume (kB) | 0 | | | | 0 |
| Overall statistics | | | | | | | | | |

The values are valid as long as an instance is active. They are displayed as cumulative values. The current values are determined from the job that is currently running. At the end of the job, they are added to the total values.

The total statistics are stored as a collection of documents in the ELO repository under *// Administration//XC Base//STATS//<instance name>* and are updated by each job.

Overall statistics

| | | | | |
|------------|------------|--------------|-------------|--------|
| Start date | 20210101 | End date | 20230123 | Reload |
| Day | 2023/01/23 | 000:00:00:13 | 1,79 kB/s | 1 |
| Year | 2021 | 013:06:07:32 | 222,56 kB/s | 280 |

By clicking on *Overall statistics*, you can view the recorded values. The values recorded for jobs are grouped into days, months, and years. Completed units are always grouped into the next larger unit. The jobs of a single day are grouped into daily statistics. When all daily statistics in a month are completed (because a new month has started), these daily statistics are grouped into monthly statistics. When a new year starts, all monthly statistics are combined into the annual statistics of

the previous year. In the figure, this relationship is shown in the second and third columns of the area header.

| Mailbox | Year | Items | Folders | Error | Items deleted | Items archived | Volume (kB) |
|--|------|---------|---------|--------------|---------------|----------------|-------------|
| * | 2021 | 2655983 | 509240 | 013:06:07:32 | 222,56 kB/s | 280 | 254895703 |
| 001 Ungeprüftes Löschen nach 90 Tagen | | | | | | | |
| 001 User Del | | | | | | | |
| 001b Geprüftes Löschen ungelesen nach 30 Tagen | | | | | | | |
| 002 User Arc All | | | | | | | |
| 003 User Arc OutlookFolder | | | | | | | |
| 010 PSupport Del | | | | | | | |
| 011 PSupport Arc ToArchive | | | | | | | |
| 012 PSupport Arc ToArchiveBLP | | | | | | | |
| 013 PSupport Arc ToArchiveDXII | | | | | | | |
| 014 PSupport Arc Std | | | | | | | |

If you expand an area, you will get the values grouped by action trees.

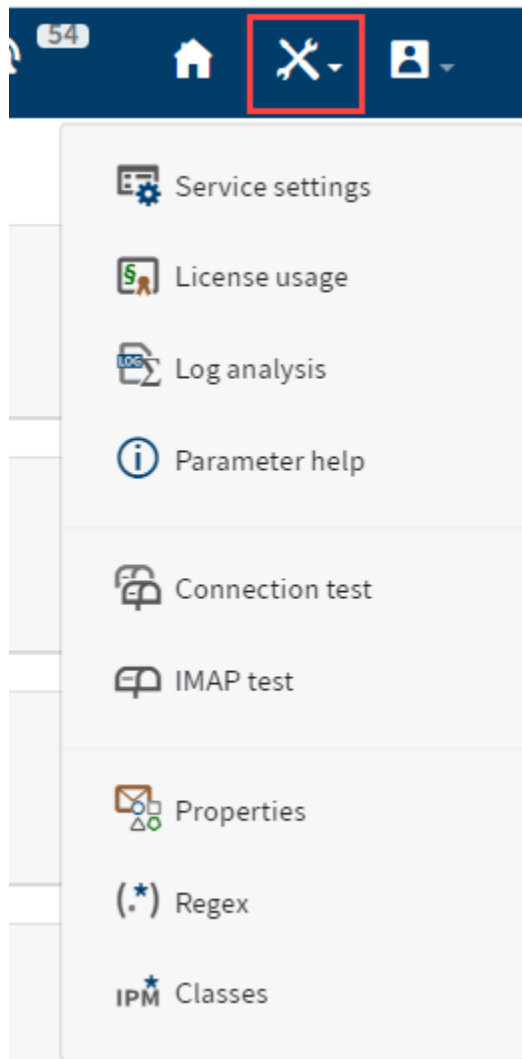
- 1 Period covered – Day, month, year
- 2 Period as calendar value
- 3 Total duration of jobs in the period
- 4 Average data transfer rate to ELO repository
- 5 Number of jobs in the period
- 6 Mailboxes or * for all
- 7 Number of items selected
- 8 Number of folders processed
- 9 Number of processing errors
- 10 Number of deleted items
- 11 Number of archived items
- 12 Volume archived
- 13 Wildcard as name for *all action trees*
- 14 Name of an action tree

| 002 User Arc All | | | | | | | |
|------------------|---------|---------|-------|---------------|----------------|-------------|--|
| Mailbox | Items | Folders | Error | Items deleted | Items archived | Volume (KB) | |
| * | 1095134 | 253238 | 690 | 0 | 1094539 | 244446892 | |
| ... | 2193 | 758 | 0 | 0 | 2193 | 777138 | |
| ... | 279 | 224 | 0 | 0 | 279 | 54141 | |
| ... | 329 | 356 | 0 | 0 | 329 | 133602 | |
| ... | 2343 | 966 | 0 | 0 | 2343 | 334275 | |
| ... | 2094 | 677 | 0 | 0 | 2094 | 1533148 | |
| ... | 782 | 400 | 0 | 0 | 782 | 74570 | |
| ... | 1896 | 351 | 0 | 0 | 1896 | 675233 | |
| ... | 1789 | 566 | 0 | 0 | 1789 | 791539 | |
| ... | 1262 | 508 | 0 | 0 | 1262 | 388172 | |
| ... | 262 | 94 | 0 | 0 | 262 | 42108 | |
| ... | 30 | 6 | 0 | 0 | 30 | 4043 | |
| ... | 1686 | 730 | 0 | 0 | 1686 | 166260 | |
| ... | 1425 | 661 | 0 | 0 | 1425 | 238276 | |
| ... | 698 | 394 | 0 | 0 | 698 | 214633 | |
| ... | 1299 | 556 | 0 | 0 | 1299 | 265396 | |
| ... | 486 | 376 | 0 | 0 | 486 | 169869 | |
| ... | 5963 | 1283 | 0 | 0 | 5963 | 1423094 | |
| ... | 1687 | 854 | 0 | 0 | 1687 | 375276 | |
| ... | 10230 | 4074 | 0 | 0 | 10230 | 2991610 | |
| ... | 2458 | 628 | 0 | 0 | 2458 | 734770 | |
| ... | 1573 | 868 | 0 | 0 | 1573 | 497675 | |

If you expand the action tree area, you will get the statistical values for each mailbox. The total statistics of the action tree are marked with * in the first line.

Tools

The ELO XC Manager tools are a collection of useful functions to help you configure and manage instances. They can be accessed from the tools menu.



Service settings

You can change the values of the *ELOxc.xml* in the *Service settings* dialog box.

Information

In most cases, you will need to restart ELO XC for the changes to take effect.

Service settings

| | |
|---|--|
| HTTPS port | <input type="text" value="5090"/> |
| Host name | <input type="text" value=""/> |
| Allowed origins | <input type="text" value=""/> |
| Log directory | <input type="text" value="C:\ELOxc\ELOxc Logs"/> |
| Log age | <input type="text" value="0"/> |
| Log detail | <input type="text" value="20"/> |
| Certificate or PFX file path | <input type="text" value=""/> |
| PFX password | <input type="password" value=""/> |
| Stop timeout | <input type="text" value="30000"/> |
| Stop repeats | <input type="text" value="3"/> |
| Maximum no. of HTTP connections | <input type="text" value="25"/> |
| Maximum HTTP idle time [ms] | <input type="text" value="100000"/> |
| Reuse HTTP ports | <input type="checkbox"/> |
| GC age [s] | <input type="text" value="10"/> |
| Mailbox registrations | <input checked="" type="checkbox"/> |
| Language | <input type="text" value="en"/> |
| Tree node height | <input type="text" value="1"/> |
| Maximum idle time [s] | <input type="text" value="60"/> |
| Service notifications including processing errors | <input checked="" type="checkbox"/> |
| HTML tooltips | <input checked="" type="checkbox"/> |

Save

- HTTPS port, Host name: *Host name* and *HTTPS port* determine the base URL of ELO XC.
- Log directory, Log age, Log detail: *Log directory*, *Log age*, and *Log detail* determine the log settings.
- Certificate or PFX file path/PFX password: *Certificate or PFX file path/PFX password* configure the SSL certificate of the internal ELO XC web host.
- Stop timeout, Stop repeats: *Stop timeout* and *Stop repeats* can be changed if the service does not respond on stop attempts.
- Maximum number of HTTP connections, Maximum HTTP idle time [ms], Reuse HTTP ports: *Maximum number of HTTP connections*, *Maximum HTTP idle time (milliseconds)* and *Reuse HTTP ports* define the behavior of ELO XC when using web requests (e.g. IX, EWS). This mainly affects the use of system resources. The higher the number and idle time of the connections are, the longer it takes to free up system resources. It only makes sense to utilize a high amount of resources if the ports are also being reused (reducing overhead on initialization). The default settings should deliver stable, efficient results in most environments.
- GC age [s]: *GC age* (seconds) specifies the maximum wait time before ELO XC frees up orphaned memory segments (garbage collection).
- Mailbox registrations: *Mailbox registrations* can optionally be used if mailbox owners want to independently configure mailbox data for the list of static connections.

Language, Tree node height, Maximum idle time [s], Service notifications including processing errors, HTML tooltips: These parameters affect various aspects of ELO XC Manager.

License usage

Licenses are used when messages from a mailbox/SMTP address are stored in the ELO repository. The total number of all licenses used is known as *license usage*.

You can use filters to narrow down long lists. The filter is a regex search pattern.

The program records for each ID/mailbox address when the license was first used and when it was used last. If no new messages are stored for a longer period, a date on which the license can be freed up may be displayed.

Log analysis

This tool allows you to summarize and subsequently evaluate ELO XC logs. The results are written to the *_Summaries* child folder of the log directory.

- Start date, End date: *Start date* and *End date* determine the time frame of the summary. It only takes includes log outputs with timestamps in this interval. Since all log times are in UTC, both search parameters must also be entered accordingly.
- Threshold: The *threshold* can be used as an optional restriction for values greater than 0 to only extract lines whose duration is higher than the entered number of milliseconds.
- Instance: The *Instance* parameter can be used for values other than * to restrict the summary to the logs of a specific *instance*.
- Create: This function calls the separate ELOxCLS.exe program, which processes the currently available logs based on the selected parameters. This process depends on the number of log files and the specified time interval so it may take some time.

-

Reload: The *Reload* option reloads the available summaries in *_Summaries* and displays them.

Log-Auswertung

Startdatum

20220504125042

Enddatum

20220505125042

Schwellwert [ms]

0

Instanz

*

Viewer herunterladen

Erstellen

Aktualisieren

D:\Temp\XCLOG21_Summaries\Summary_20220505100516_20220504095414_20220505095414.zip

Log-Auswertung

Startdatum

20220504125042

Enddatum

20220505125042

Schwellwert [ms]

0

Instanz

*

Viewer herunterladen

Erstellen

Aktualisieren

D:\Temp\XCLOG21_Summaries\Summary_20220505100516_20220504095414_20220505095414.zip

| | |
|---------------------|---|
| Instanz | * |
| Startdatum | 2022/05/04 09:54:14 |
| Enddatum | 2022/05/05 09:54:14 |
| Schwellwert [ms] | 0 |
| Zeilen | 31833 |
| Log-Verzeichnis | D:\Temp\XCLOG21 |
| 2022/05/04 12:19:34 | 135 D:\Temp\XCLOG21\Srv_20220504_121934.log |
| 2022/05/04 12:19:34 | 381 D:\Temp\XCLOG21\SrvCleanUp_20220504_121934.log |
| 2022/05/04 12:19:35 | 1015 D:\Temp\XCLOG21\LDAP_21\Main_20220504_121935.log |
| 2022/05/04 12:19:35 | 656 D:\Temp\XCLOG21\LDAP_21\MainCatalog_20220504_121935.log |
| 2022/05/04 13:16:19 | 135 D:\Temp\XCLOG21\Srv_20220504_131619.log |
| 2022/05/04 13:16:19 | 1338 D:\Temp\XCLOG21\SrvCleanUp_20220504_131619.log |
| 2022/05/04 13:16:20 | 1015 D:\Temp\XCLOG21\LDAP_21\Main_20220504_131620.log |
| 2022/05/04 13:16:20 | 656 D:\Temp\XCLOG21\LDAP_21\MainCatalog_20220504_131620.log |
| 2022/05/04 16:34:15 | 140 D:\Temp\XCLOG21\Srv_20220504_163415.log |
| 2022/05/04 16:34:15 | 265 D:\Temp\XCLOG21\SrvCleanUp_20220504_163415.log |
| 2022/05/04 16:34:16 | 1157 D:\Temp\XCLOG21\LDAP_21\Main_20220504_163416.log |
| 2022/05/04 16:34:16 | 656 D:\Temp\XCLOG21\LDAP_21\MainCatalog_20220504_163416.log |
| 2022/05/04 17:13:35 | 179 D:\Temp\XCLOG21\Srv_20220504_171335.log |
| 2022/05/04 17:13:35 | 14 D:\Temp\XCLOG21\SrvCleanUp_20220504_171335.log |
| 2022/05/04 17:13:36 | 1082 D:\Temp\XCLOG21\IMAP_21\Main_20220504_171336.log |
| 2022/05/04 17:13:36 | 1015 D:\Temp\XCLOG21\LDAP_21\Main_20220504_171336.log |

You can open this area to view the package contents.

- **Download viewer:** To view the summary details, you need to use the log viewer and install it locally. The *Download viewer* option downloads a package which can be extracted to any directory and started with *ELOxcLV.exe*. You may be required to install NET6. This window opens:

The screenshot shows the 'ELO XC 21 - Log Viewer' window. At the top, there are two dropdown menus: 'Directory' and 'Summaries'. Below these are three log type dropdowns: 'Service log type' (set to 'ServiceFiles'), 'Instance log type' (set to 'InstanceFiles'), and 'Job log type' (set to 'JobFiles'). There are also input fields for 'Start at' (2022/05/05 12:55:53), 'End at' (2022/04/28 12:55:53), and 'Log level' (set to 'Info'). A checkbox for 'Framework' is present and unchecked. A 'Log message' input field is at the bottom right. Below the input fields are 'Stop' and 'Filter' buttons. At the very bottom is a table header with columns: 'Timestamp [UTC]', 'Scope', and 'Message'.

In order to be able to view the summaries, the directory of the summaries must be entered into the parameter directory. Afterwards, the available summaries appear under *Summaries*.

This screenshot shows the same 'ELO XC 21 - Log Viewer' window but with filters populated. The 'Directory' field now contains 'D:\temp\XCLOG21\Summaries'. The 'Summaries' dropdown is expanded, showing a list of summary files: 'Summary_20220505100516_20220504095414_20220505095414.zip'. Below this, a text line reads 'D:\Temp\XCLOG21*, 2022/05/04 09:54:14 - 2022/05/05 09:54:14, 31833 lines, 0ms'. The 'Service log type' is still 'ServiceFiles', 'Instance log type' is 'InstanceFiles', and 'Job log type' is now 'None'. The 'Start at' and 'End at' fields are updated to '2022/05/04 09:54:14' and '2022/05/05 09:54:14' respectively. The 'Log level' remains 'Info' and 'Framework' is still unchecked. The 'Stop' and 'Filter' buttons are at the bottom right, and the table header 'Timestamp [UTC] | Scope | Message' is at the bottom.

- Service log type, Instance log type, Job log type: *Service*, *Instance*, and *Job log type* are additional filters for specific log types.
- Start at and End at: *Start at* and *End at* can be used to define the analysis period.
- Log level: Log level is the type of log message.
- Framework: The Framework option can be enabled to view Kestrel messages.
- Scope: The log scope is an internal designation and helps to locate the log message. If you do not want to filter by a specific scope, you can leave the field blank.
- Log message: The log message contains information about the current execution position. If you do not want to filter by a term in the log messages, you can leave the field blank.
- Stop: Logs of bulk jobs can grow to several MB in size. In such cases, it can take a while for the information to load. You can cancel these operations with *Stop*.
- Filter: By clicking *Filter*, all log lines with the specified filter settings are displayed. Examples with and without filters:

ELO XC 21 - Log Viewer

Directory: D:\temp\XCLOG21\Summaries Summaries: Summary_20220505100516_20220504095414_20220505095414.zip

D:\Temp\XCLOG21*, 2022/05/04 09:54:14 - 2022/05/05 09:54:14, 31833 lines, 0ms

Service log type: ServiceFiles Instance log type: InstanceFiles Job log type: None

Start at: 2022/05/04 09:54:14 End at: 2022/05/05 09:54:14 Log level: Info ☐ Framework

Scope: Log message:

31833/31833 lines filtered in 00:00 minutes

| Timestamp [UTC] | Scope | Message |
|-------------------------|-------|---|
| 2022/05/04 10:19:34 593 | RF | report opened |
| 2022/05/04 10:19:34 594 | RF | ELOxc, Version=21.10.0.125, Culture=neutral, PublicKeyToken=null, directory=D:\Projekt\DOTNET_MASTER\ELOxc21\ELOxc\bin\x64\Debug\ELOxc.dll, process=26512 |
| 2022/05/04 10:19:34 594 | RF | trace_level=20 |
| 2022/05/04 10:19:34 596 | ENV | wks log opened |
| 2022/05/04 10:19:34 596 | ENV | ***** service settings ***** |
| 2022/05/04 10:19:34 597 | ENV | framework version: 6.0.3 |
| 2022/05/04 10:19:34 597 | ENV | culture: English (United States) |
| 2022/05/04 10:19:34 597 | ENV | runtime args: -console |
| 2022/05/04 10:19:34 598 | ENV | ----- ELOxc.xml: |
| 2022/05/04 10:19:34 598 | ENV | valid: True |
| 2022/05/04 10:19:34 598 | ENV | base ... |
| 2022/05/04 10:19:34 598 | ENV | cert: 4ff2dd6894a9640d3a9c15fc6e6ac940084ab8fd |
| 2022/05/04 10:19:34 598 | ENV | logdir: D:\Temp\XCLOG21 |

ELO XC 21 - Log Viewer

Directory: D:\temp\XCLOG21\Summaries Summaries: Summary_20220505100516_20220504095414_20220505095414.zip

D:\Temp\XCLOG21*, 2022/05/04 09:54:14 - 2022/05/05 09:54:14, 31833 lines, 0ms

Service log type: ServiceFiles Instance log type: InstanceFiles Job log type: None

Start at: 2022/05/04 09:54:14 End at: 2022/05/05 09:54:14 Log level: Info ☐ Framework

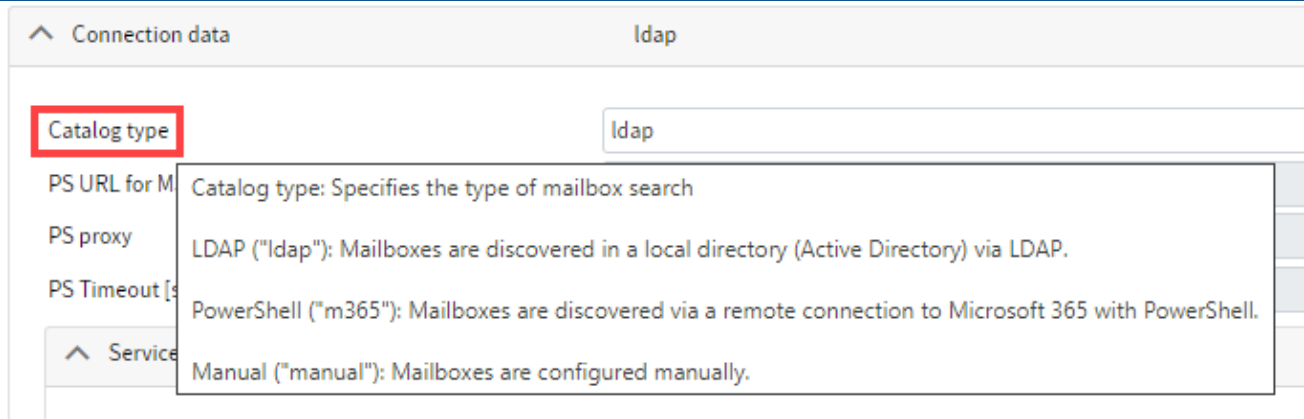
Scope: PrepareTrees Log message: workbook

280/31833 lines filtered in 00:00 minutes

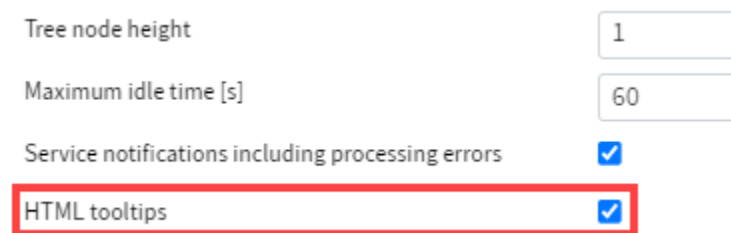
| Timestamp [UTC] | Scope | Message |
|-------------------------|--------------|-------------------------------|
| 2022/05/04 10:19:45 014 | PrepareTrees | start resolving workboxes ... |
| 2022/05/04 10:19:45 014 | PrepareTrees | ... workboxes resolved. |
| 2022/05/04 10:19:45 312 | PrepareTrees | start resolving workboxes ... |
| 2022/05/04 10:19:45 312 | PrepareTrees | ... workboxes resolved. |
| 2022/05/04 10:19:45 384 | PrepareTrees | start resolving workboxes ... |
| 2022/05/04 10:19:45 384 | PrepareTrees | ... workboxes resolved. |
| 2022/05/04 10:19:45 385 | PrepareTrees | start resolving workboxes ... |
| 2022/05/04 10:19:45 385 | PrepareTrees | ... workboxes resolved. |
| 2022/05/04 10:19:45 461 | PrepareTrees | start resolving workboxes ... |
| 2022/05/04 10:19:45 464 | PrepareTrees | ... workboxes resolved. |
| 2022/05/04 10:19:45 674 | PrepareTrees | start resolving workboxes ... |
| 2022/05/04 10:19:45 674 | PrepareTrees | ... workboxes resolved. |
| 2022/05/04 10:19:45 676 | PrepareTrees | start resolving workboxes ... |
| 2022/05/04 10:19:45 676 | PrepareTrees | ... workboxes resolved. |

Parameter help

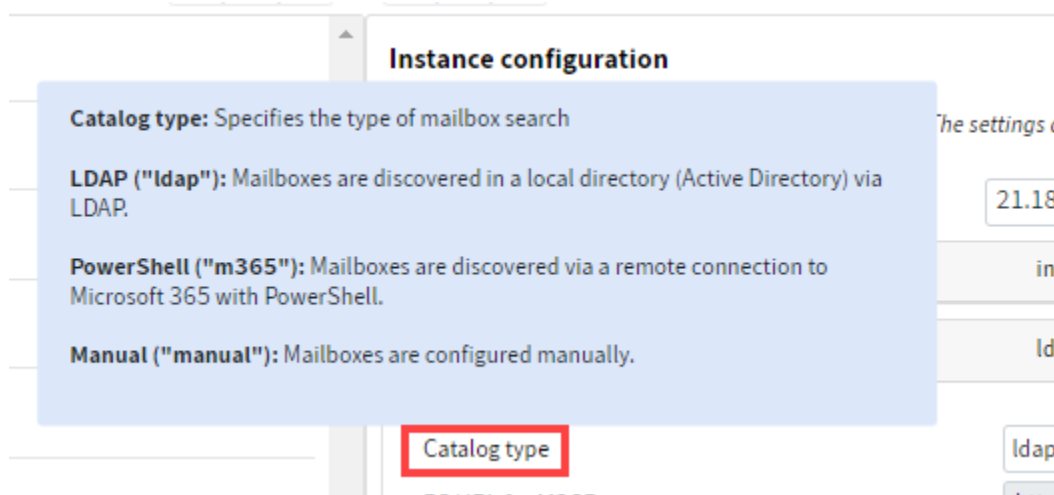
ELO XC Manager provides tooltips for most places in the interface.



For example, if you move the mouse pointer over the *Catalog type* parameter name in the instance configuration, you will see the corresponding tooltip for this parameter. This view corresponds to the default settings of the browser.

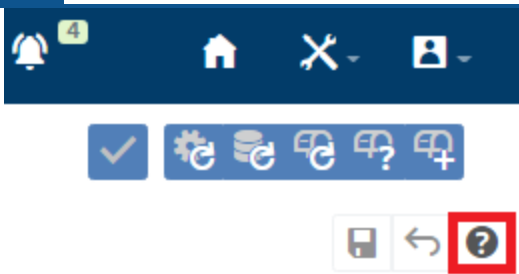


You can have the tooltips displayed as HTML instead. Open the *Service settings* dialog box in the tools menu and check the *HTML tooltips* box.



This option improves the readability of tooltips.

However, the HTML view of tooltips requires additional internal JavaScript calls between the browser and ELO XC, which may also prove to be a disadvantage depending on the browser.



You get all tooltips of the current parameters directly above the form view.

Parameter help

Instance configuration

(XSD.InstanceDef)

Contains the basic configuration of an ELO XC **instance**. The settings define the global framework for processing.

| | | |
|---------------------------------------|--|---------------------------------------|
| Configuration version | Corresponds to the program version. The configuration version is automatically updated when the process is started. The update log contains details. | Version - XSD.InstanceDef.Version |
| Processing settings (Range) | Configuration of instance activity | ExecControlType - XSD.ExecControlType |
| Execution mode (Selection) | The execution mode determines how the instance is processed and at which intervals. | ExecModeType - XSD.ExecModeType |
| interval | The instance processes mailboxes at configured intervals. | |
| fix | The instance is started daily at the configured time | |
| schedule | Enables a weekly schedule for targeted activation of the interval control | |

Clicking the button opens the parameter help in a new browser tab.

You get the full, structured description of the instance configuration fragment (technical name: *InstanceDef*). In addition, the associated XML schemas of the fragment are displayed after the parameter descriptions. The technical names of parameters are marked blue.

Parameter help

Search text

Search

8 fragment(s) found ...

| | Fragment name | Fragment identifier | Search results |
|--|------------------------|----------------------------|----------------|
| | Action tree | XSD.ItemsTreeDef | 32 |
| | Entry point template | XSD.TemplateEntryPointsDef | 5 |
| | Export | XSD.ExportDef | 1 |
| | Instance configuration | XSD.InstanceDef | 32 |
| | Mailbox template | XSD.TemplateBoxesDef | 21 |
| | Match/Replace | XSD.MatchReplaceDef | 1 |
| | Move | XSD.MoveDef | 1 |
| | Save | XSD.CommitDef | 1 |

Suppose that you don't remember where to find a parameter but only know that it had something to do with the term *mailbox*. In this case, you can search the tooltips using the *Parameter help* function in the tools menu.

Open the *Parameter help* dialog box, enter *mailbox*, and click search.

You get a list of all occurrences of the term *mailbox*.

Parameter help

Action tree

(XSD.ItemsTreeDef)

Configures the selection properties of an action tree

| Action tree name | Action tree name | Name - XSD.ItemsTreeDef.Name |
|---|---|--|
| Type of action tree (Selection) | Specifies the type of action tree | ActionTreeType - XSD.ActionTreeType |
| inactive | The action tree is ignored when processing an instance. | |
| active | The action tree is active when processing an instance and is executed normally. | |
| subtree | The tree contains actions but no base selection. It can only be activated as a processing template through the "Call subtree" action. | |
| Archive mailboxes | Determines whether the action tree processes archive mailboxes on the Exchange server. | IncludeArchives - XSD.ItemsTreeDef.IncludeArchives |
| Result categories | ResultDef interprets configured results as categories and counts their frequency. When the job is complete, the categories and counters are logged. | ResultCategories - XSD.ItemsTreeDef.ResultCategories |
| Selection restrictions (Range) | Restricts the base selection in the action tree | TreeRestrType - XSD.TreeRestrType |
| Three-valued property (Selection) | Either "Ignore", "Yes", or "No" | YesNoIgnoreType - XSD.YesNoIgnoreType |
| no | The property does not apply. | |
| yes | The property applies. | |
| ignore | The property is ignored. | |
| Maximum age [UTC] | Specifies the maximum age of items in the format [YYYY/MM/DD hh:mm:ss]. | MaxAge - XSD.TreeRestrType.MaxAge |
| Minimum age (dynamic) | Specifies the minimum age of items as a time span in the format [ddd:hh:mm:ss]. The matching value of the start time of the job is specified without this time span | MinAge - XSD.TreeRestrType.MinAge |

You decide to use the fragment *CommitDef* and want to read the corresponding parameter help. Click the question mark icon at the beginning of the line.

The parameter help page opens again in a new browser tab.

Each occurrence of the term *mailbox* is highlighted.

Connection test

The *connection test* is the tool you should use to test the connection parameters of an instance if creating an ldap or m365 catalog automatically.

Connection test

1 Catalog type: ldap Directory name: xc.local
Authentication: xcservice Key: *****

2 **Catalog test**

PS URL for M365: https://outlook.office365.com/powershell-liveid/ PS proxy: off
Filter name: WIZGEN PS Timeout [s]: 600
Filter value: (&(objectCategory=person)(objectClass=user)(cn=*)) Search range:
Room mailboxes: ☐ Resource mailboxes: ☐
System mailboxes: ☐ Emulate shared: ☒

3 **EWS test**

Test SMTP: Autodiscover URL:
Delegation: ☐ Public folders: ☒
Internal EWS URL: ☒

Save Catalog test EWS test

1 Connection parameters: The top part of the dialog box contains the connection parameters that are used for both the mailbox catalog and the EWS connection.

2 Catalog test options

Connection: type=ldap, domain=xc.local, login=Administrator Catalog: LDAP catalog, 20 box(es) found Speichern

| [Smtp] | [Type] | [Journal] | [Accessor] |
|------------------------|--------------|--------------------|---|
| Administrator@xc.local | UserMailbox | | |
| allpublic@xc.local | PublicFolder | journal19@xc.local | allpublic@eloxc.com, allpublic@xc.local, x500:... |
| box1@xc.local | UserMailbox | | |
| box2@xc.local | UserMailbox | | |

3 EWS test options

EWS test for xcservice succeeded

```
duration: 2s
autodiscover user settings for xc191@xc.local
first attempt with scp=False
autodiscover (ScpLookup=False)
certificate: CN=...local issued by CN=...local
valid certificate
certificate: CN=...local issued by CN=...local
valid certificate
ErrorCode: NoError
autodiscover completed
Exchange version: 15.02.0659.000
supported EWS schemas: Exchange2007, Exchange2007_SP1, Exchange2010, Exchange2010_SP1, Exchange2010_SP2, Exchange2013, Exchange2013_SP1, Exchange2015
available public folders: allpublic@xc.local
external EWS url: https://...local/EWS/Exchange.asmx
internal EWS url: https://...local/EWS/Exchange.asmx
priorize internal url: https://...local/EWS/Exchange.asmx
low priority external url: https://...local/EWS/Exchange.asmx
use maximum Exchange version: V2015_10_05
X-AnchorMailbox: xc191@xc.local
service connection initialized for Exchange V2015_10_05, trying to bind to Root
certificate: CN=...local issued by CN=...local
valid certificate
connection established
```

Clicking on the *Catalog test* or *EWS test* button displays the respective results. A list of found mailboxes is returned for the catalog tests and the connection log is displayed for the EWS tests.

If you open this tool while configuring the instance for ldap or m365, it is initialized with the current parameters. You can apply changes to the configuration by clicking *Save*.

IMAP test

IMAP-Test

SMTP-Adresse

xcdev1@gmx.de

IMAP-Server

imap.gmx.net

Anmeldung

xcdev1@gmx.de

Schlüssel

IMAP-Port

993

IMAP-Sicherheit

ssl

IMAP-Test ausführen

Speichern

IMAP test for xcdev1@gmx.de succeeded

duration: 0s

ImapConnect: connecting to imaps://imap.gmx.net:993/

ImapServer: * OK [CAPABILITY IMAP4rev1 CHILDREN ENABLE ID IDLE LIST-EXTENDED LIST-STATUS LITERAL- MOVE NAMESPACE SASL-IR SORT SPECIAL-USE THREAD=ORDEREDSUBJECT UIDPLUS UNSELECT WITHIN AUTH=LOGIN AUTH=PLAIN] IMAP server ready H migmx005 22.0.1 IMAP-1Md5ZB-1oL0ec2E5b-00ZgrE

ImapClient: A00000000 AUTHENTICATE PLAIN AHhjZGV2MUBnbXguZGUATG91LlNhbg9tZTlwMTk=

ImapServer: A00000000 OK AUTHENTICATE completed

ImapClient: A00000001 CAPABILITY

ImapServer: * CAPABILITY IMAP4rev1 CHILDREN ENABLE ID IDLE LIST-EXTENDED LIST-STATUS LITERAL- MOVE NAMESPACE SASL-IR SORT SPECIAL-USE THREAD=ORDEREDSUBJECT UIDPLUS UNSELECT WITHIN APPENDLIMIT=29360128 A00000001 OK CAPABILITY completed

ImapClient: A00000002 NAMESPACE

ImapServer: * NAMESPACE (("" "")) NIL NIL A00000002 OK NAMESPACE completed

ImapClient: A00000003 LIST "" "INBOX" RETURN (SUBSCRIBED CHILDREN)

ImapServer: * LIST (\HasChildren \Subscribed) "/" INBOX A00000003 OK LIST completed

ImapClient: A00000004 LIST (SPECIAL-USE) "" "" RETURN (SUBSCRIBED CHILDREN)

ImapServer: * LIST (\Drafts \NoInferiors \Subscribed) "/" Entw&APw-rfe * LIST (\Trash \HasNoChildren \Subscribed) "/" Gel&APY-scht * LIST (\Sent \NoInferiors \Subscribed) "/" Gesendet * LIST (\Junk \NoInferiors \Subscribed) "/" Spamverdacht A00000004 OK LIST completed

Similar to the test for automatic catalogs, the IMAP test enables you to check whether ELO XC can connect to an IMAP mailbox.

If you open this tool from a corresponding instance configuration, it is initialized with the available parameters. After the test is completed, you can apply customized parameters to the instance configuration with **Save**.

Please note

Only the first entry from the list of static connections is tested.

Properties

Properties

Name

subject

Property area

MAPI alternative

IMAP properties

☐

Search

| | | |
|-------------------------|--------|--|
| PidNameInternetSubject | String | Specifies the subject of the message. |
| PidNameSubject | String | Specifies the subject of the file attached to the Document object. |
| PidTagNormalizedSubject | String | Contains the normalized subject of the message. |
| PidTagOriginalSubject | String | Specifies the subject of the original message. |
| PidTagSubject | String | Contains the subject of the email message. |
| PidTagSubjectPrefix | String | Contains the prefix for the subject of the message. |

The *Properties* tool helps you to find properties for processing messages. If you don't enter a name, all properties are displayed. However, you will usually search for specific terms and ranges.

Properties

Name

sender

Property area

MAPI alternative

IMAP properties

☐

Search

| | | |
|--|-------------|---|
| PidNameQuarantineOriginalSender | String | Specifies the original sender of a message. |
| PidNameXSenderTelephoneNumber | String | Contains the telephone number of the caller associated with a voice mail message. |
| PidNameXVoiceMessageSenderName | String | Contains the name of the caller who left the attached voice message, as provided by the |
| PidTagAddressBookSenderHintTranslation | StringArray | Contains the locale ID and translations of the default mail tip. |
| PidTagJunkAddRecipientsToSafeSendersList | Integer | Indicates whether email recipients are to be added to the safe senders list. |
| PidTagOriginalSenderAddressType | String | The PidTagOriginalSenderAddressType property ([MS-OXPROPS] section 2.832) is set on delivery report messages by using the value of the original message sender's PidTagSenderAddressType property (section 2.2.1.48), as specified by AddressType field of the RecipientRow structure ([MS-OXCDATA] section 2.8.3.2). |
| PidTagOriginalSenderEmailAddress | String | The PidTagOriginalSenderEmailAddress property ([MS-OXPROPS] section 2.833) is set on delivery report messages to the value of the original message sender's PidTagSenderEmailAddress property (section 2.2.1.49). |

If you want to include senders in the metadata, you can search for sender.

The returned list of defined Exchange properties is too large and contains irrelevant properties (see Basics > Properties chapter).

Properties

Name

Property area

MAPI alternative

IMAP properties ☐

Search

| | | |
|------------------|--------|---|
| EloSender | String | Specifies the sender of an item which is resolved according to the parameter PreferSmtp |
| EloSenderName | String | Specifies the sender name of an item |
| EloSenderAddress | String | Specifies the sender smtp adress of an item |

The relevant properties are defined by ELO XC and are located at the end of the list of hits. Restricting the property range would show the hits immediately.

Properties

Name

Property area

MAPI alternative

IMAP properties ☐

Search

| | | |
|--------------------|--------|--|
| PidTagMessageClass | String | Denotes the specific type of the Message object. |
|--------------------|--------|--|

When you are using property editors, it is possible that only MAPI names are available, which are not automatically recognized by ELO XC.

Regex

Regex

1 Matching pattern: 3

2 Replacement:

4 ☒ IgnoreCase ☐ Multiline ☒ Singleline

5 Example:

Result ☐ Result ☒

6 7

8

| | |
|---------|--------------|
| Hits | Müller, Hans |
| Group 1 | Müller |
| Group 2 | Hans |
| Hits | Maier, Fred |
| Group 1 | Maier |
| Group 2 | Fred |

1 Matching pattern

2 Replacement

3 XML-compatible view of search and replace patterns

4 Options

5 Example with comment

6 Text entry

7 Result after replacement

8 Results of the search

Classes

Classes

Class filters Search

19 class(es) found ...

- ipm.note.imc.notification
- ipm.note.microsoft.conversation
- ipm.note.microsoft.fax
- ipm.note.microsoft.missed
- ipm.note.microsoft.voicemail
- ipm.note.microsoft.voicemail.um
- ipm.note.microsoft.voicemail.um.ca
- ipm.note.mobile.mms
- ipm.note.mobile.sms
- ipm.note.notsupportedical
- ipm.note.rules.externalooftemplate.microsoft
- ipm.note.rules.ooftemplate.microsoft
- ipm.note.rules.replytemplate.microsoft
- ipm.note.smime
- ipm.note.smime.multipartsigned
- ipm.note.storagequotawarning
- ipm.note.storagequotawarning.send
- ipm.note.storagequotawarning.sendreceive
- ipm.note.storagequotawarning.warning

The *Classes* tool displays the set of supported message classes. The *class filters* enable you to search for specific classes. If you leave this field empty, all available classes are displayed.

Mailbox usage



The current mailbox usage is displayed in a dialog box. For this to work, the mailbox catalog must have been loaded at least once in the active instance configuration. This is done with the *Load mailbox catalog* function or automatically while validating the configuration.

Mailbox usage ×

Mailbox address: *
 Catalog filter: *
 Mailbox template: *

Name: *
 Action tree: *

Type: *

[Reload](#)

| | Mailbox address | Name | Type | Catalog filter | Action tree |
|--------------------------|---------------------|------------|---------------|----------------|-----------------------------------|
| <input type="checkbox"/> | abshared19@xc.local | abshared19 | SharedMailbox | WIZGEN | Simple Archiving, Simple Deleting |
| <input type="checkbox"/> | shared13@xc.local | shared13 | SharedMailbox | WIZGEN | Simple Archiving, Simple Deleting |
| <input type="checkbox"/> | shared16@xc.local | shared16 | SharedMailbox | WIZGEN | Simple Archiving, Simple Deleting |
| <input type="checkbox"/> | shared19@xc.local | shared19 | SharedMailbox | WIZGEN | Simple Archiving, Simple Deleting |

Mailbox usage ×

Mailbox address: *
 Catalog filters: *
 Mailbox template: *

Name: *
 Action tree: *

Type: **EquipmentMailbox**

[Reload](#)

| | Mailbox address | Name | Type | Catalog filters | Action tree |
|--------------------------|------------------------|---------------|-------------------------|-----------------|-------------|
| <input type="checkbox"/> | Administrator@xc.local | Administrator | EquipmentMailbox | WIZGEN | |

Mailbox usage ×

Mailbox address: *
 Catalog filters: *
 Mailbox template: *

Name: *
 Action tree: *.Archive.*

Type: *

[Reload](#)

| | Mailbox address | Name | Type | Catalog filters | Action tree |
|--------------------------|------------------------|---------------|----------------|-----------------|--|
| <input type="checkbox"/> | Administrator@xc.local | Administrator | UserMailbox | WIZGEN | Archive Simple, Delete Archived |
| <input type="checkbox"/> | journal@xc.local | XC Journal | JournalMailbox | WIZGEN | Delete Archived |

You can also use wildcards as display filters. If you want to see all mailboxes used in an action tree that has archive in the name, for example, you can use the *Archive* parameter.

Mailbox usage ×

Mailbox address: *
 Catalog filters: *
 Mailbox template: **WizBoxesJournal (Fil**

Name: *
 Action tree: *

Type: *

[Reload](#) [Create](#)

| | Mailbox address | Name | Type | Catalog filters | Action tree |
|-------------------------------------|-----------------|-----------|-------------|-----------------|-------------|
| <input checked="" type="checkbox"/> | xc191@xc.local | XC User 1 | UserMailbox | WIZGEN | |
| <input type="checkbox"/> | xc192@xc.local | XC User 2 | UserMailbox | WIZGEN | |

Displayed mailboxes can also be added to a mailbox template.

Static mailbox registration

Manually created mailbox catalogs are static since the associated connection data is not automatically determined and is therefore unchangeable. This also means that access credentials must be entered manually, which is acceptable for functional mailboxes such as a premium journal. As soon as personal mailboxes have to be configured statically, security-relevant data can be compromised, since mailbox owners are usually not the people who manage ELO XC.

In this section, we will show you how mailbox owners can enter the connection details for their own mailboxes in ELO XC.

| | |
|-----------------------|-------------------------------------|
| GC age [s] | <input type="text" value="0"/> |
| Mailbox registrations | <input checked="" type="checkbox"/> |
| Language | <input type="text" value="en"/> |

This function is optionally enabled with a service parameter. You can use the service settings in the tools menu for this.

Alternatively, you can set the *StaticBoxReg* property to *true* in the *ConfServiceDef* part of the *ELOxc.xml* file. If this option is changed, you need to restart ELO XC for the changes to take effect.

Mailbox registration

Mailbox owners can use the function via the URL `http://xc-host.domain:port/statreg`.

- SMTP address: The email address mailbox owners enter as the *SMTP address*.
- Authentication: The authentication name is authentication.
- Key: The password is key.

As soon as you click *Register*, ELO XC transfers the connection data to the *ELOxcBoxReg.xml* file in the installation directory.

Mailbox registration

Register

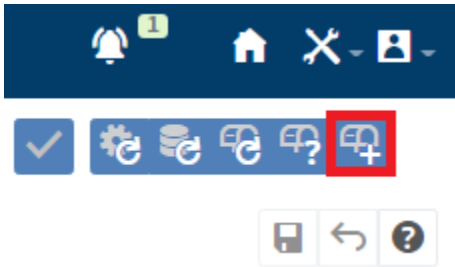
Mailbox registration

Register

In our example we use two instances, one for a local Exchange server, and one for an IMAP server.

```
<MailboxRegistrations>
  <BoxReg SmtP="xcdev1@gmx.de" Login="xcdev1@gmx.de" Pwd="la1Ix2a30xM9TWgGjkVdGvi00Cbs5yXHBbGuOz7KMXxYQcUiBZKuuuza91iIkMm" />
  <BoxReg SmtP="xc192@xc.local" Login="xc192" Pwd="fBXGp2j7hDOGHjmlSJbpmc5B/PJOULZ/nDfX2h6e0YD4qY0Nw5RdBE1FiBGRnMwj" />
</MailboxRegistrations>
```

Once we have registered both mailboxes, their entries can be found in *ELOxcBoxReg.xml*.



The ELO XC administrator can now transfer this connection data to an instance configuration.

Mailbox registrations ×

| | SMTP address | Account |
|-------------------------------------|----------------|---------------|
| <input checked="" type="checkbox"/> | xc192@xc.local | xc192 |
| <input type="checkbox"/> | xcdev1@gmx.de | xcdev1@gmx.de |

Apply
Delete

We now transfer the local mailbox to the local Exchange server instance.

^ List of static connections +

▼ Connection parameters xc.local - xc191 ↑ ↓ 🗑️

^ Connection parameters xc192 ↑ ↓ 🗑️

Directory name

SMTP address

Authentication

Key

Click *Apply* to transfer the connection data to the list of static mailboxes.

Mailbox registrations ×

| | SMTP address | Account |
|-------------------------------------|----------------|---------------|
| <input type="checkbox"/> | xc192@xc.local | xc192 |
| <input checked="" type="checkbox"/> | xcdev1@gmx.de | xcdev1@gmx.de |

Apply Delete

Next, switch to the IMAP server instance and open the mailbox registrations window again.

Now you can select the IMAP mailbox and transfer it to the list of static connections.

The local mailbox is still listed in the mailbox registrations even though already transferred the data. This is because you have the option to repeat the process for any number of instances. If you are sure that you no longer need the data, you can delete the entry.

Information

The registration process can be repeated for an SMTP address at any time. ELO XC recognizes the registered connections by address and updates authentication names or passwords in both the *ELOxcBoxReg.xml* file and the instance configuration as required.