



**OX App Suite Public Sector Plugins Technical Documentation for**  
7.10.6-rev3

2022-08-09

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# 1 General Information

## 1.1 Warnings

### Warning

It is mandatory to restart the **open-xchange** service on all middleware nodes after performing the update.

### Warning

When updating only custom packages, it may be necessary to invalidate the browser cache to make the changes visible. An invalidation of the cache will be done automatically when updating OX core UI packages at the same time, but not if you are updating only custom UI plug-ins. In the latter case, please call the following command on all Apache nodes with the same value for <timestamp> .

```
/opt/open-xchange/sbin/touch-appsuite --timestamp=<timestamp>
```

### Warning

UI packages with themes need to generate CSS after installation. This will be done automatically when the service is restarted but if you wish to not perform a service restart, you must call the following command on each node:

```
/opt/open-xchange/appsuite/share/update-themes.sh
```

### Warning

Custom configuration or template files are potentially not updated automatically. After the update, please always check for files with a **.dPKG-new** or **.rpmnew** suffix and merge the changes manually. Configuration file changes are listed in their own respective section below but don't include changes to template files. For details about all the configuration files and templates shipped as part of this delivery, please read the relevant section of each package.

## 1.2 Delivery Comment

This delivery was requested with following comment:

```
Public Sector 7.10.6 Feature Delivery
```

## 1.3 Install Package Repository

This delivery is part of a restricted software repository:

<https://software.open-xchange.com/components/public-sector/stable/7.10.6/DebianBuster>  
<https://software.open-xchange.com/components/public-sector/stable/7.10.6/DebianStretch>  
<https://software.open-xchange.com/components/public-sector/stable/7.10.6/DebianBullseye>  
<https://software.open-xchange.com/components/public-sector/stable/7.10.6/RHEL7>

## 1.4 Build Dependencies

This delivery was build and tested with following dependencies:

```
AppSuite:node-10,frontend-7.10.6-rev15,backend-7.10.6-rev20
```

## 1.5 Notice

### Info

Some configurations can be changed without restarting the service, please call following command for getting a list of supported settings.

```
/opt/open-xchange/sbin/listreloadables
```

Please use following command to enable capable and changed configurations on a running system.

```
/opt/open-xchange/sbin/reloadconfiguration
```

## 2 Token Exchange Mailauth Provider for secondary/functional accounts

Bundle Identifier	com.openexchange.mailauth.impersonate
Package(s)	open-xchange-mailauth-impersonate
Required capabilities	none, enabled by configuration
Available since	7.10.6-rev1

The token Exchange Mailauth allows secondary accounts to use `access_tokens` for access. Those `access_tokens` are exchanged using a so called `token_exchange` that is currently a loose implementation only supported by [keycloak#token\\_exchange](#).

The plugin is able to request either an `access_token` or an `access_token` and `refresh_token`. As this is only a request, the keycloak server can decide to only return an `access_token`, even though both are requested.

Logouts are supported with the [keycloak#post-logout](#) handling. Only enabled, when following setting is configured:

```
1 com.openexchange.mailauth.impersonate.tokenLogoutEndpoint
```

It will only work for `refresh_tokens`, as `access_tokens` are not supported by keycloak for logout.

If no user `access_tokens` are present or the users should not be allowed to impersonate, an admin can be configured which will be kept active in a dedicated cache. This admin will use its `access_tokens` to call the `token_exchange` for the requested users.

### 2.1 Configuration

```
/opt/open-xchange/etc/mailauth-impersonator.properties
```

```

1 # Enable or disable the functional mail account handling via token_exchange impersonation
2 # Default: false
3 com.openexchange.mailauth.impersonate.enabled=false
4
5 # The clientId to access the token endpoint to get the impersonation token via
6 # token_exchange
7 # Must be configured if feature is enabled
8 #com.openexchange.mailauth.impersonate.clientId=
9
10 # The clientSecret to access the token endpoint to get the impersonation token via
11 # token_exchange
12 # Must be configured if feature is enabled
13 #com.openexchange.mailauth.impersonate.clientSecret=
14
15 # Supported authTypes:
16 # login
17 # xoauth2
18 # oauthbearer
19 #
20 # Default: oauthbearer
21 #com.openexchange.mailauth.impersonate.authType=
22
23 # The token type to request for the token_exchange

```

```

22 # Allowed values are
23 #   access_token - will request an access token
24 #   refresh_token - will request an access and refresh_token
25 #   ignore - will not add the requested_token_type and let the server decide
26 #
27 # Default: refresh_token
28 #com.openexchange.mailauth.impersonate.tokenType=
29
30 # In case the login to imap should be changed, this setting will search in the provided
31 #   accessToken for a given claim
32 # If not set or empty, the configured login value for the account login or transportLogin
33 #   will be used
34 # Will also be ignored in case the claim set does not contain the configured claim.
35 #
36 # Default: <not-set>
37 #com.openexchange.mailauth.impersonate.accessTokenLoginClaim=
38
39 # In case the access token from the user is not allowed to impersonate other users, it is
40 #   possible to enable an admin auth
41 #
42 # Default: false
43 #com.openexchange.mailauth.impersonate.admin.enabled=
44
45 # Admin user name if admin.enabled is configured
46 #com.openexchange.mailauth.impersonate.admin.username=
47
48 # Admin password if admin.enabled is configured
49 #com.openexchange.mailauth.impersonate.admin.password=
50
51 # The tokenEndpoint to request new access tokens for the token_exchange as well as refresh
52 #   and access tokens for the admin, if admin.enabled is configured
53 # Must be configured
54 #
55 # Default:<not-set>
56 #com.openexchange.mailauth.impersonate.tokenEndpoint=
57
58 # Optional logout endpoint in case the admin user should be logged out after the default
59 #   timeout of 1 hour
60 # If empty or not set, the revocation will not occur
61 #com.openexchange.mailauth.impersonate.tokenLogoutEndpoint=
62
63 # Time to live for refresh tokens, also accounts for access_tokens that are provided in
64 #   the same request
65 # All values are allowed, however a minimum of 1 hour should be configured as otherwise
66 #   access_tokens may
67 # also timeout earlier than their configured minimum time
68 #
69 # Can contain units of measurement: D(=days) W(=weeks) H(=hours) M(=minutes), S(=seconds),
70 #   MS(=milliseconds)
71 # If no identifier is given, MS is assumed
72 # Default: 1H
73 #com.openexchange.mailauth.impersonate.refreshTtl=1H

```

## 3 Shipped Version

### 3.1 Package open-xchange-appsuite-public-sector

UI customizations for the public sector

Version: 7.10.6-3

Type: OX Frontend Plugin with Themes

Depends on:

```

open-xchange-appsuite (<<7.10.7)
open-xchange-appsuite (>=7.10.6)
open-xchange-appsuite-manifest (<<7.10.7)
open-xchange-appsuite-manifest (>=7.10.6)

```

### 3.1.1 Installation

Install on OX middleware nodes with package installer **apt-get** or **yum**:

```
<package installer> install open-xchange-appsuite-public-sector
```

Install on Apache nodes with package installer **apt-get** or **yum**:

```
<package installer> install open-xchange-appsuite-public-sector-static
```

### 3.1.2 Configuration

For details, please see appendix [A](#)

/opt/open-xchange/etc/settings/public-sector.properties (page [6](#))

## 3.2 Package open-xchange-mailauth-impersonate

This package provides a MailAuthenticator for secondary Mailboxes which uses token\_exchange to get tokens

Version: 7.10.6-3

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.7)
open-xchange-core (>=7.10.6)
```

### 3.2.1 Installation

Install on OX middleware nodes with package installer **apt-get** or **yum**:

```
<package installer> install open-xchange-mailauth-impersonate
```

### 3.2.2 Configuration

For details, please see appendix [A](#)

/opt/open-xchange/etc/mailauth-impersonator.properties (page [7](#))

## 3.3 Package open-xchange-matrixproxy

Open-Xchange Matrix Bot Proxy

Version: 7.10.6-3

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.7)
open-xchange-core (>=7.10.6)
```

### 3.3.1 Installation

Install on OX middleware nodes with package installer **apt-get** or **yum**:

```
<package installer> install open-xchange-matrixproxy
```

### 3.3.2 Configuration

For details, please see appendix [A](#)

/opt/open-xchange/etc/matrix-proxy-servlet.properties (page [7](#))

## A Configuration Files

### File 1 /opt/open-xchange/etc/settings/public-sector.properties

```

1 # Category identifier for OX App Suite
2 io.ox.public-sector//navigation/oxtabname=tab_groupware
3
4 # URL of the InterCom Service.
5 # Defaults to the same host as the OX App Suite UI.
6 io.ox.public-sector//ics/url=
7
8 # Remove quick launchers
9 io.ox/core//apps/quickLaunchCount=0
10
11 # Set Phoenix theme
12 io.ox/core//theme=phoenix

```

### File 2 /opt/open-xchange/etc/mailauth-impersonator.properties

```

1 # Enable or disable the functional mail account handling via token_exchange impersonation
2 # Default: false
3 com.openexchange.mailauth.impersonate.enabled=false
4
5 # The clientId to access the token endpoint to get the impersonation token via
6 # token_exchange
7 # Must be configured if feature is enabled
8 #com.openexchange.mailauth.impersonate.clientId=
9
10 # The clientSecret to access the token endpoint to get the impersonation token via
11 # token_exchange
12 # Must be configured if feature is enabled
13 #com.openexchange.mailauth.impersonate.clientSecret=
14
15 # Supported authTypes:
16 # login
17 # xoauth2
18 # oauthbearer
19 #
20 # Default: oauthbearer
21 #com.openexchange.mailauth.impersonate.authType=
22
23 # The token type to request for the token_exchange
24 # Allowed values are
25 # access_token - will request an access token
26 # refresh_token - will request an access and refresh_token
27 # ignore - will not add the requested_token_type and let the server decide
28 #
29 # Default: refresh_token
30 #com.openexchange.mailauth.impersonate.tokenType=
31
32 # In case the login to imap should be changed, this setting will search in the provided
33 # accessToken for a given claim
34 # If not set or empty, the configured login value for the account login or transportLogin
35 # will be used
36 # Will also be ignored in case the claim set does not contain the configured claim.
37 #
38 # Default: <not-set>
39 #com.openexchange.mailauth.impersonate.accessTokenLoginClaim=
40
41 # In case the access token from the user is not allowed to impersonate other users, it is
42 # possible to enable an admin auth
43 #
44 # Default: false
45 #com.openexchange.mailauth.impersonate.admin.enabled=
46
47 # Admin user name if admin.enabled is configured
48 #com.openexchange.mailauth.impersonate.admin.username=

```



```
44 # Admin password if admin.enabled is configured
45 #com.openexchange.mailauth.impersonate.admin.password=
46
47 # The tokenEndpoint to request new access tokens for the token_exchange as well as refresh
48 # and access tokens for the admin, if admin.enabled is configured
49 # Must be configured
50 #
51 # Default:<not-set>
52 #com.openexchange.mailauth.impersonate.tokenEndpoint=
53
54 # Optional logout endpoint in case the admin user should be logged out after the default
55 # timeout of 1 hour
56 # If empty or not set, the revocation will not occur
57 #com.openexchange.mailauth.impersonate.tokenLogoutEndpoint=
58
59 # Time to live for refresh tokens, also accounts for access_tokens that are provided in
60 # the same request
61 # All values are allowed, however a minimum of 1 hour should be configured as otherwise
62 # access_tokens may
63 # also timeout earlier than their configured minimum time
64 #
65 # Can contain units of measurement: D(=days) W(=weeks) H(=hours) M(=minutes), S(=seconds),
66 # MS(=milliseconds)
67 # If no identifier is given, MS is assumed
68 # Default: 1H
69 #com.openexchange.mailauth.impersonate.refreshTtl=1H
```

### File 3 /opt/open-xchange/etc/matrix-proxy-servlet.properties

```
1 # URL of the Matrix server
2 #
3 com.openexchange.matrixproxy.servlet.serverUrl=https://matrix.dpx-wp7a.at-univention.de
4
5 # URL of the Bot Server
6 #
7 com.openexchange.matrixproxy.servlet.botURL=https://meetings-widget-api.dpx-wp7a.at-
8 univention.de
9
10 # Application Service Token to login to Matrix server
11 #
12 com.openexchange.matrixproxy.servlet.asToken=
13
14 # Comma separated list of path to pass-through to the Bot server
15 # Every path that doesn't start with any of them listed here will be
16 # rejected.
17 com.openexchange.matrixproxy.servlet.apiWhitelist=/v1/meeting,/v1/health
```