



OX App Suite Univention Plugins Technical Documentation for
7.10.5

2021-03-04

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Contents

1	General Information	2
1.1	Warnings	2
1.2	Delivery Comment	2
1.3	Install Package Repository	2
1.4	Build Dependencies	2
1.5	Notice	2
2	Univention OpenID Connect handler	2
2.1	Configuration	3
3	Shipped Packages and Version	3
3.1	Package open-xchange-authentication-ucs	3
3.1.1	Installation	3
3.2	Package open-xchange-authentication-ucs-common	4
3.2.1	Installation	4
3.2.2	Configuration	4
3.3	Package open-xchange-oidc-ucs	4
3.3.1	Installation	4
3.4	Package open-xchange-saml-ucs	4
3.4.1	Installation	5
A	Configuration Files	5

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

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:

Univention Feature Delivery for Core 7.10.5

1.3 Install Package Repository

This delivery is part of a restricted software repository:

<https://software.open-xchange.com/components/univention/stable/7.10.5/DebianBuster>
<https://software.open-xchange.com/components/univention/stable/7.10.5/DebianStretch>
<https://software.open-xchange.com/components/univention/stable/7.10.5/RHEL7>

1.4 Build Dependencies

This delivery was build and tested with following dependencies:

AppSuite:node-10,frontend-7.10.5-rev6,backend-7.10.5-rev6

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 Univention OpenID Connect handler

Story for original implementation:	UNI-14 & UNI-41
Code repository:	https://gitlab.open-xchange.com/extensions/univention
Package(s):	open-xchange-oidc-ucs
Required capabilities:	none, please see Configuration section for further information

Available since:	7.10.4
Maintainers:	Felix Marx

The OpenID Connect handler for Univention uses the default ldap backend to to the user lookups. In addition the connector is able to perform a userinfo lookup instead of relying on the IdToken.

2.1 Configuration

The OpenID Connect handler uses the core framework which is also explained on documentation.open-xchange.com - middleware - OpenID in detail.

Available config options are also explained on documentation.open-xchange.com - middleware configuration - OpenID.

In addition to the default config options, the following additional options are available:

Property	Default Value	Option
<code>com.openexchange.oidc.ucs.enabled</code>	false	enables the oidc backend for univention
<code>com.openexchange.oidc.ucs.userInfoEndpoint</code>	""	if configured, uses the <code>userInfoEndpoint</code> instead of relying on the IdToken claims

When the `com.openexchange.oidc.ucs.userInfoEndpoint` is configured, the `userLookupClaim` will search inside the response from the `userInfoEndpoint` instead of the IdToken.

3 Shipped Packages and Version

3.1 Package open-xchange-authentication-ucs

Module for authenticating users on a Univention Corporate Server installation This package installs the OSGi bundle implementing the OSGi AuthenticationService for the backend. The implementation uses Univention Corporate Server to authenticate login requests. This authentication module is mutually exclusive with any other authentication module. Only one authentication module can be installed on the backend.

Version: 7.10.5-1

Type: OX Middleware Plugin

Depends on:

```
open-xchange-authentication-ucs-common (<<7.10.6)
open-xchange-authentication-ucs-common (>=7.10.5)
open-xchange-core (<<7.10.6)
open-xchange-core (>=7.10.5)
```

Conflicts with:

```
open-xchange-authentication-database
open-xchange-authentication-imap
open-xchange-authentication-ldap
```

3.1.1 Installation

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

```
<package installer> install open-xchange-authentication-ucs
```

3.2 Package open-xchange-authentication-ucs-common

Common Module for authenticating users on a Univention Corporate Server installation This package installs the OSGi bundle implementing the common helper service that uses Univention Corporate Server to authenticate login requests.

Version: 7.10.5-1

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.6)
open-xchange-core (>=7.10.5)
```

3.2.1 Installation

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

```
<package installer> install open-xchange-authentication-ucs-common
```

3.2.2 Configuration

For details, please see appendix [A](#)
/opt/open-xchange/etc/authplugin.properties (page [5](#))

3.3 Package open-xchange-oidc-ucs

Module for authenticating users on a Univention Corporate Server installation via OIDC This package installs the OSGi bundle implementing the OSGi OIDCBackend for the backend. The implementation uses Univention Corporate Server to authenticate login requests.

Version: 7.10.5-1

Type: OX Middleware Plugin

Depends on:

```
open-xchange-authentication-ucs-common (<<7.10.6)
open-xchange-authentication-ucs-common (>=7.10.5)
open-xchange-core (<<7.10.6)
open-xchange-core (>=7.10.5)
open-xchange-oidc (<<7.10.6)
open-xchange-oidc (>=7.10.5)
```

3.3.1 Installation

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

```
<package installer> install open-xchange-oidc-ucs
```

3.4 Package open-xchange-saml-ucs

Module for authenticating users on a Univention Corporate Server installation via SAML This package installs the OSGi bundle implementing the OSGi SAMLBackend for the backend. The implementation uses Univention Corporate Server to authenticate login requests.

Version: 7.10.5-1

Type: OX Middleware Plugin

Depends on:

```
open-xchange-authentication-ucs-common (<<7.10.6)
open-xchange-authentication-ucs-common (>=7.10.5)
open-xchange-core (<<7.10.6)
open-xchange-core (>=7.10.5)
open-xchange-saml-core (<<7.10.6)
```

```
open-xchange-saml-core (>=7.10.5)
```

3.4.1 Installation

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

```
<package installer> install open-xchange-saml-ucs
```

A Configuration Files

File 1 /opt/open-xchange/etc/authplugin.properties

```
1 # use ldap pooling
2 com.openexchange.authentication.ucs.useLdapPool=false
3
4 # basedn of ldap directory
5 com.openexchange.authentication.ucs.baseDn=dc=example,dc=org
6
7 # ldap url; use ldaps:// for ssl
8 com.openexchange.authentication.ucs.ldapUrl=ldap://localhost
9
10 # specify attribute containing email address from which domain part will be used to
11 # identify context
12 com.openexchange.authentication.ucs.mailAttribute=mailPrimaryAddress
13
14 # ldap attribute containing the OX Login name
15 com.openexchange.authentication.ucs.loginAttribute=uid
16
17 # specify name of attribute containing contextId in order to lookup context
18 # this is optional; if not specified, context lookup will be done using domain name as
19 # found
20 # in com.openexchange.authentication.ucs.mailAttribute
21 com.openexchange.authentication.ucs.contextIdAttribute=
22
23 # search query to find the user within ldap
24 # %s will be replaced by the login as entered in the ox login mask
25 com.openexchange.authentication.ucs.searchFilter=(amp(objectClass=oxUserObject)(!(uid=%s)(
26 mailPrimaryAddress=%s)))
27
28 # where to redirect users that need to change their password when it is expired
29 com.openexchange.authentication.ucs.passwordChangeURL=
30
31 # optionally specify dn to be used to bind to ldap server instead of doing anonymous
32 # access
33 com.openexchange.authentication.ucs.bindDn=
34
35 # password for specified binddn
36 com.openexchange.authentication.ucs.bindPassword=
```