



OX App Suite Engineering Services Plugins
Release Notes for Release 1.5.0
2020-02-05

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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:

```
Sixth RC of 1.5.0
```

1.3 Install Package Repository

This delivery is part of a restricted software repository:

<https://software.open-xchange.com/components/plugins/stable/1.5.0/DebianStretch>
<https://software.open-xchange.com/components/plugins/stable/1.5.0/DebianBuster>
<https://software.open-xchange.com/components/plugins/stable/1.5.0/RHEL6>
<https://software.open-xchange.com/components/plugins/stable/1.5.0/RHEL7>
https://software.open-xchange.com/components/plugins/stable/1.5.0/SLE_12

1.4 Build Dependencies

This delivery was build and tested with following dependencies:

```
AppSuite:node-10,frontend-7.10.3-rev4,backend-7.10.3-rev4
```

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 Shipped Product and Version

2.1 Package open-xchange-appsuite-appcontrol-dropdown-links

UI plugin to add links to appcontrol dropdown by configuration

Version: 1.5.0-6

Type: OX Frontend Plugin

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.1.1 General Functionality

This plugin permits to add links in the appcontrol dropdown. Links to be added should be configured in a property file.

2.1.2 Prerequisites

This plugin requires capability io-ox-appcontrol-dropdown-links

2.1.3 Installation

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

```
<package installer> install open-xchange-appsuite-appcontrol-dropdown-links
```

2.1.4 Configuration

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

/opt/open-xchange/etc/settings/io-ox-appcontrol-dropdown-links.properties (page [21](#))

2.2 Package open-xchange-appsuite-blackwhitelist

Black/Whitelist plugin for App Suite

Version: 1.5.0-6

Type: OX Frontend Plugin with Themes

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.2.1 Installation

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

```
<package installer> install open-xchange-appsuite-blackwhitelist
```

2.2.2 Configuration

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

/opt/open-xchange/etc/meta/blackwhitelist.yml (page [21](#))

/opt/open-xchange/etc/settings/blackwhitelist.properties (page [22](#))

2.3 Package open-xchange-appsuite-dumpster

Dumpster OX App Suite Plugin

Version: 1.5.0-6

Type: OX Frontend Plugin

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.3.1 General Functionality

The Dumpster plugin utilizes the **Lazy Expunge** functionality of Dovecot to allow users to access **deleted** emails which have been cleared from Trash. This hidden folder is not returned via IMAP calls and is not shown in the App Suite UI. Mails in this folder will eventually be purged according to the schedule set in Dovecot's Lazy Expunge settings.

2.3.2 Usage

Users can select **Recover Deleted Items** from the context menu of their **Trash** folder. A dialog will appear which contains recently-deleted emails (if any) which have been emptied from trash. From there, the user can select any mail or mails in the dialog and move them to the folder of their choice. Once moved, emails are no longer scheduled from deletion and appear in the folder chosen by the user.

2.3.3 Prerequisites

- Requires that the Dovecot **lazy expunge** plugin be installed and configured.
- Requires the **dumpster** capability for the plugin to run in the UI.

2.3.4 Changes to Core Functionality

In order to prevent the display of the hidden **dumpster** folder, the folder tree display logic (**drawMyFolders** in `io.ox/core/folder/extensions`) was forked from core to include a filter based on the folder names.

2.3.5 Installation

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

```
<package installer> install open-xchange-appsuite-dumpster
```

2.3.6 Configuration

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

/opt/open-xchange/etc/settings/dumpster.properties (page [22](#))

2.4 Package open-xchange-appsuite-external-content-popup

This package offers a popup to display external content to the users

Version: 1.5.0-6

Type: OX Frontend Plugin

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.4.1 Description

The plugin provides an easy way to integrate external content into a popup displaying an iframe when the user logs in. Additionally, the customer has the option to define an introductory step (firstStep) that can display HTML configured on the server. The plugin uses a generation attempt to enable the customer to display new versions of the popup, with new content e.g., to the user and is configurable by user language. For a configuration example please see Configuration.

2.4.2 Installation

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

```
<package installer> install open-xchange-appsuite-external-content-popup
```

2.4.3 Configuration

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

/opt/open-xchange/etc/meta/externalcontentpopup.yml (page [22](#))

/opt/open-xchange/etc/settings/externalcontentpopup.properties (page [23](#))

2.5 Package open-xchange-appsuite-gdpr

GDPR-compliant opt-in for metrics and advertisement

Version: 1.5.0-6

Type: OX Frontend Plugin with Themes

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.5.1 Installation

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

```
<package installer> install open-xchange-appsuite-gdpr
```


2.6 Package open-xchange-appsuite-login-links

UI plugin to add custom links to login page footer

Version: 1.5.0-6

Type: OX Frontend Plugin

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.6.1 General Functionality

This plugin permits to add links in login page footer between the language switcher and the copyright. Links to be added should be configured in as-config.yml file.

2.6.2 Configuration

Each link to add should be configured below loginLinks settings in as-config.yml. A sample format can be found with this release note under opt/open-xchange/etc directory

2.6.3 Prerequisites

This plugin requires capability io-ox-login-custom-links

2.6.4 Installation

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

```
<package installer> install open-xchange-appsuite-login-links
```

2.7 Package open-xchange-appsuite-minimal-api-app

Provides an easy way to add iframe apps via configuration. With and without access to the minimal API

Version: 1.5.0-6

Type: OX Frontend Plugin

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.7.1 Specification

This is just an example app that creates a new iframe app inside App Suite which uses the minimal API token. The source of the iframe app has to be configured via **io.ox/minimalapiapp//iframes**
Example: io.ox/minimalapiapp//iframes:[{source: "https://www.test.com", title: "Minimal API App", "needsToken": true}]

2.7.2 Installation

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

```
<package installer> install open-xchange-appsuite-minimal-api-app
```

2.8 Package open-xchange-appsuite-minimal-api-consent

Consent UI plugin for App Suite minimal API

Version: 1.5.0-6

Type: OX Frontend Plugin

Depends on:

```
open-xchange-appsuite-manifest (<<7.10.4)
open-xchange-appsuite-manifest (>=7.10.3)
```

2.8.1 Specification

This module implements the UI consent part for the minimal API middleware component. Asking users for consent when using their data through the minimal API is a legal requirement. The module implements a popup that the user is presented with when he enters an app for the first time requesting consent for the minimal API as well as a settings panel where the user can reassess the given consent and set or withdraw it on App Suite app level.

For this version we only support one client which has to be configured via **io.ox/minimalapiconsent//client=example**

2.8.2 Installation

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

```
<package installer> install open-xchange-appsuite-minimal-api-consent
```

2.8.3 Configuration

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

/opt/open-xchange/etc/meta/minimalapi.yml (page [23](#))

/opt/open-xchange/etc/settings/minimalapi.properties (page [23](#))

2.9 Package open-xchange-authentication-masterpassword

Authentication implementation that uses a global password for all users – DO NOT USE IN PRODUCTION This package provides an authentication implementation that verifies user passwords against a globally configured password. DO NOT USE THIS IN PRODUCTION ! This implementation is only meant for testing and migration scenarios.

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

Conflicts with:

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

2.9.1 Installation

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

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

2.9.2 Configuration

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

/opt/open-xchange/etc/masterpassword-authentication.properties (page [24](#))

2.10 Package open-xchange-ldap-client

This package provides an advanced LDAP client library that is used by other Open-Xchange bundles.

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.10.1 Installation

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

```
<package installer> install open-xchange-ldap-client
```

2.10.2 Configuration

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

/opt/open-xchange/etc/ldap-client.d/ldap-client-pools.yaml.example (page [27](#))

2.11 Package open-xchange-metrics-http

Metrics for HTTP requests This package provides a highly configurable set of metrics around HTTP requests.

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.11.1 General Functionality

This package contains a highly configurable metric collection for any and all HTTP requests that are sent to the Open-Xchange middleware and it supports the following features:

- configure which information is used to construct metrics (request headers, request parameters, sessions, logins, request paths, context identifier, ...)
- blacklist or whitelist of URL paths for which to collect metrics
- optional aggregation of metrics
- optional additional metrics for specific users
- never collects metrics for the Jolokia servlet

Metrics are made available through JMX and Jolokia (when enabled) to be collected by various monitoring systems. They are available under the object name:

```
com.openexchange.metrics;type=http
```

It is disabled by default for performance reasons, and must be enabled explicitly by modifying the configuration file:

```
/opt/open-xchange/etc/metrics-http.properties
```

All configuration changes can be applied through configuration reloading, there is no need to restart. A complete reference of the configuration is included in this document, as well as in the configuration file itself, as comments.

2.11.2 Installation

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

```
<package installer> install open-xchange-metrics-http
```

2.11.3 Configuration

For details, please see appendix [A](#)
`/opt/open-xchange/etc/metrics-http.properties` (page [30](#))

2.12 Package open-xchange-metrics-imap

Metrics for IMAP operations This package provides a set of metrics around IMAP operations.

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.12.1 General Functionality

This package contains metric collection for all IMAP operations that are performed by the Open-Xchange middleware. Metrics are published through JMX and Jolokia (when enabled) under the object name

```
com.openexchange.metrics;type=imap
```

with a metric object for each operation, as it makes little sense to compare `LIST` with `FETCH`, for example. It is disabled by default for performance reasons, and must be enabled explicitly by modifying the configuration file

```
/opt/open-xchange/etc/metrics-imap.properties
```

To avoid slowing down all IMAP operations performed by the middleware, metrics are computed and updated asynchronously. The number of worker threads in charge of doing so is configurable. All configuration changes can be applied through configuration reloading, there is no need to restart. A complete reference of the configuration is included in this document, as well as in the configuration file itself, as comments.

2.12.2 Installation

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

```
<package installer> install open-xchange-metrics-imap
```

2.12.3 Configuration

For details, please see appendix [A](#)
/opt/open-xchange/etc/metrics-imap.properties (page [30](#))

2.13 Package open-xchange-minimal-api

This package provides the base Minimal API

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
open-xchange-rest (<<7.10.4)
open-xchange-rest (>=7.10.3)
```

2.13.1 General Functionality

This package contains the API and configuration component of the so called Minimal Api. The configuration is lean and config-cascade aware. For further details please ask your OX contact for a copy of [Minimal API Documentation](#).

2.13.2 Installation

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

```
<package installer> install open-xchange-minimal-api
```

2.13.3 Configuration

For details, please see appendix [A](#)
/opt/open-xchange/etc/minimal-api.properties (page [32](#))

2.14 Package open-xchange-minimal-api-jwt

This package provides the security handling for the Minimal API

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
open-xchange-minimal-api (<<1.5.1)
open-xchange-minimal-api (>=1.5.0)
open-xchange-sessionstorage-hazelcast (<<7.10.4)
open-xchange-sessionstorage-hazelcast (>=7.10.3)
```

2.14.1 General Functionality

This package contains the security layer based on signed JWTs for the so called Minimal Api. The security handling is based on a key which is saved inside the session and put into the SessionStorage. Upon security validation, the Session is fetched from the SessionStorage and the key is validated. This package also contains a Rate limiter which limits the access to the API. The configuration is fetched from open-xchange-minimal-api. The security layer also validates the correct claim handling for the individual provider. For further details please ask your OX contact for a copy of [Minimal API Documentation](#).

2.14.2 Installation

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

```
<package installer> install open-xchange-minimal-api-jwt
```

2.15 Package open-xchange-minimal-api-mail

This package provides the mail endpoints for the Minimal API

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
open-xchange-minimal-api (<<1.5.1)
open-xchange-minimal-api (>=1.5.0)
open-xchange-minimal-api-security
```

2.15.1 General Functionality

This package contains the mail endpoint for the so called Minimal Api. It is identified by the claim readMail which must be enabled for each user/client combination. For the API endpoints please ask your OX contact for a copy of [Minimal API Documentation](#).

2.15.2 Installation

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

```
<package installer> install open-xchange-minimal-api-mail
```

2.16 Package open-xchange-plugins-blackwhitelist

Plugins abstraction layer for blacklist/whitelist connectors

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.16.1 Installation

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

```
<package installer> install open-xchange-plugins-blackwhitelist
```

2.16.2 Configuration

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

/opt/open-xchange/etc/plugins-blackwhitelist.properties (page [32](#))

2.17 Package open-xchange-plugins-blackwhitelist-sieve

This package installs the OSGi bundles needed to access the blacklist for plugins within Sieve

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
open-xchange-mailfilter (<<7.10.4)
open-xchange-mailfilter (>=7.10.3)
open-xchange-plugins-blackwhitelist (<<1.5.1)
open-xchange-plugins-blackwhitelist (>=1.5.0)
```

2.17.1 Installation

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

```
<package installer> install open-xchange-plugins-blackwhitelist-sieve
```

2.17.2 Configuration

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

/opt/open-xchange/etc/plugins-blacklist-sieve.properties (page [32](#))

2.18 Package open-xchange-plugins-contact-whitelist-sync

Plugins abstraction layer for whitelist contact connectors

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
open-xchange-ldap-client (<<1.5.1)
open-xchange-ldap-client (>=1.5.0)
open-xchange-sql-client (<<1.5.1)
open-xchange-sql-client (>=1.5.0)
```

2.18.1 Installation

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

```
<package installer> install open-xchange-plugins-contact-whitelist-sync
```

2.18.2 Configuration

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

/opt/open-xchange/etc/plugins-contacts-whitelist.properties (page [33](#))

/opt/open-xchange/etc/plugins-contacts-whitelist-migration.properties (page [33](#))

/opt/open-xchange/etc/plugins-contacts-whitelist-rdb.properties (page [34](#))

/opt/open-xchange/etc/sql-client.d/sql-plugins-whitelist.yaml.example (page [34](#))

2.19 Package open-xchange-plugins-onboarding-maillogin

Plugin that enables the overriding of the login information that is shown to users during onboarding.

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-client-onboarding (<<7.10.4)
open-xchange-client-onboarding (>=7.10.3)
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.19.1 General Functionality

This plugin can customize the login information that is displayed to users in the onboarding configuration screens. It requires enabling the `CustomLoginSource` in the first place, by setting the following properties to `true`, applicable to:

- CalDAV: `com.openexchange.client.onboarding.caldav.login.customsource`
- CardDAV: `com.openexchange.client.onboarding.carddav.login.customsource`
- IMAP: `com.openexchange.client.onboarding.mail.imap.login.customsource`
- SMTP: `com.openexchange.client.onboarding.mail.smtp.login.customsource`

This bundle applies the login name display customization to all of the options above, and one may configure which source of information should be used to replace the login through config cascade. The following (config cascade aware) property selects which plugin to use:

```
com.openexchange.plugins.onboarding.login
```

by setting it to one of the following built-in values:

- `email`: uses the default sender address
- `attr:{name}`: uses a user attribute with name `{name}`
- `login_name`: uses the user's login name when possible and falls back to `login` when not
- `login`: uses the user's login (which is also the fallback and default, and the same as if the corresponding `com.openexchange.client.onboarding.*.login.customsource` property was not set to `true`)

2.19.2 Installation

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

```
<package installer> install open-xchange-plugins-onboarding-maillogin
```

2.19.3 Configuration

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

/opt/open-xchange/etc/client-onboarding-maillogin.properties (page [35](#))

2.20 Package open-xchange-sms-twilio

This package installs the OSGi bundles needed to send SMS messages via twilio

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.20.1 Installation

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

```
<package installer> install open-xchange-sms-twilio
```

2.20.2 Configuration

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

/opt/open-xchange/etc/twilio.properties (page [35](#))

2.21 Package open-xchange-sql-client

This package provides an advanced SQL client library that is used by other Open-Xchange bundles.

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.21.1 General Functionality

This bundle provides SQL pools to any component using them in the middleware. It is not config-cascade aware, but it doesn't need to be. By default, all *.yaml or *.yml files are read and interpreted within:

```
/opt/open-xchange/etc/sql-client.d/
```

An example file is provided:

```
sql-client-pools.yaml.example
```

The sql-client.d folder can be changed via the System Property:

```
openexchange.sql.client.dir
```

Internally, the [HikariCP](#) is used to manage those pools.

2.21.2 Installation

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

```
<package installer> install open-xchange-sql-client
```

2.21.3 Configuration

For details, please see appendix [A](#)
 /opt/open-xchange/etc/sql-client.d/sql-client-pools.yaml.example (page [37](#))

2.22 Package open-xchange-util-imap

This package is a library that provides various utilities for IMAP.

Version: 1.5.0-6

Type: OX Middleware Plugin

Depends on:

```
open-xchange-core (<<7.10.4)
open-xchange-core (>=7.10.3)
```

2.22.1 Installation

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

```
<package installer> install open-xchange-util-imap
```

Find more information about product versions and releases at http://oxpedia.org/wiki/index.php?title=AppSuite:Versioning_and_Numbering and <http://documentation.open-xchange.com/>.

3 Changes relevant for Operators

3.1 Changes of Configuration Files

Change #1 /opt/open-xchange/etc/plugins-contacts-whitelist-migration.properties

```
+com.openexchange.plugins.contacts.whitelist.migration.strategy=
+com.openexchange.plugins.contacts.whitelist.migration.warningSize=10000
```

Package: open-xchange-plugins-contact-whitelist-sync

Change #2 /opt/open-xchange/etc/plugins-contacts-whitelist-rdb.properties

```
+com.openexchange.plugins.contacts.whitelist.rdb.pool=contact-whitelist-pool
+com.openexchange.plugins.contacts.whitelist.rdb.strategy=normal
+com.openexchange.plugins.contacts.whitelist.rdb.tableName=senderwl
+com.openexchange.plugins.contacts.whitelist.rdb.primaryAddressColumnName=rcpt
+com.openexchange.plugins.contacts.whitelist.rdb.contactMailColumnName=sender
+com.openexchange.plugins.contacts.whitelist.rdb.contactIdColumnName=contactid
+com.openexchange.plugins.contacts.whitelist.rdb.tombstone.deletedAtColumnName=delete
+com.openexchange.plugins.contacts.whitelist.rdb.tombstone.updatedAtColumnName=update
```

Package: open-xchange-plugins-contact-whitelist-sync

Change #3 /opt/open-xchange/etc/plugins-contacts-whitelist.properties

```
+com.openexchange.plugins.contacts.whitelist.ignoreContactCollectFolder=true
+com.openexchange.plugins.contacts.whitelist.connector=
```

Package: open-xchange-plugins-contact-whitelist-sync

3.2 Changes of Behavior

Change #[PLG-71](#) Remove PropertyListener from com.openexchange.authentication.masterpassword for compatibility with 7.10.3

Status: Done

Resolution: Done

Components: authentication-masterpassword

Affected Packages: open-xchange-authentication-masterpassword

Change #[PLG-78](#) Plugins support for JSM

Add rules for Java Security Manager (filesystem access only).

Status: Done

Resolution: Fixed

Affected Packages: open-xchange-ldap-client

Change #[PLG-79](#) Plugins: general open-xchange-plugins-whitelist-sync component

Status: Done

Resolution: Fixed

Affected Packages: open-xchange-plugins-contact-whitelist-sync

Change #[PLG-84](#) Plugins: open-xchange-sql-client

Status: Done

Resolution: Fixed

Affected Packages: open-xchange-sql-client

4 Tests

To avoid side effects, the shipped packages have gone through automated regression test on both, a Continuous Integration System and a dedicated server set-up for system and integration testing. All changes have been checked for potential side-effects and effect on behavior. Unless explicitly stated within this document, we do not expect any side-effects.

4.1 Test Report

Test [T1579685](#) Installation (plugins-1.5.0-rev6)

Status: Passed

[Jira OXQA-229](#)

Test [T1579686](#) Configuration Option 1 (plugins-1.5.0-rev6)

Status: Passed

[Jira OXQA-229](#)

Test [T1579687](#) Configuration Option 2 (plugins-1.5.0-rev6)

Status: Passed

[Jira OXQA-229](#)

Test [T1579688](#) Configuration Option 3 (plugins-1.5.0-rev6)

Status: Passed

[Jira OXQA-229](#)

Test [T1579689](#) Configuration Option 4 (plugins-1.5.0-rev6)

Status: Passed

[Jira ES-60](#)

Test T1579690 Installation and Configuration (plugins-1.5.0-rev6)

Status: Passed

Test T1579691 Reject own address (plugins-1.5.0-rev6)

Status: Passed

[Jira ES-20](#)[Jira ES-25](#)**Test T1579692 Add/remove address (plugins-1.5.0-rev6)**

Status: Passed

[Jira ES-19](#)[Jira ES-21](#)[Jira ES-23](#)[Jira ES-24](#)[Jira ES-26](#)[Jira ES-28](#)[Jira ES-29](#)**Test T1579693 Edit entry (plugins-1.5.0-rev6)**

Status: Passed

[Jira ES-27](#)[Jira ES-80](#)**Test T1579694 Installation and Configuration (plugins-1.5.0-rev6)**

Status: Passed

Test T1579695 Reject own address (plugins-1.5.0-rev6)

Status: Passed

[Jira ES-20](#)[Jira ES-25](#)**Test T1579696 Add/remove address (plugins-1.5.0-rev6)**

Status: Passed

[Jira ES-19](#)[Jira ES-21](#)[Jira ES-23](#)[Jira ES-24](#)[Jira ES-26](#)[Jira ES-28](#)[Jira ES-29](#)**Test T1579697 Custom rule name (plugins-1.5.0-rev6)**

Status: Passed

[Jira ES-18](#)[Jira ES-22](#)**Test T1579698 Edit entry (plugins-1.5.0-rev6)**

Status: Passed

[Jira ES-27](#)[Jira ES-80](#)**Test T1579699 Change mail spam handling (plugins-1.5.0-rev6)**

Status: Passed

[Jira ES-132](#)**Test T1579700 Configuration of custom login displayed in onboarding wizard (plugins-1.5.0-**

rev6)

Status: Passed

[Jira ES-237](#)**Test T1579701 Installation (plugins-1.5.0-rev6)**

Status: Passed

[Jira PLG-17](#)**Test T1579702 Configuration (plugins-1.5.0-rev6)**

Status: Passed

Test T1579704 Testing MBeans statistics (plugins-1.5.0-rev6)

Status: Passed

Test T1579705 Install only packages (plugins-1.5.0-rev6)

Status: Passed

The following packages are used in different custom projects and can't be tested on it's own.

Test T1579706 Configuration option login (plugins-1.5.0-rev6)

Status: Passed

Test T1579707 Configuration option login_name (plugins-1.5.0-rev6)

Status: Passed

Test T1579708 Configuration option email (plugins-1.5.0-rev6)

Status: Passed

Test T1579709 Configuration option attr (plugins-1.5.0-rev6)

Status: Passed

Test T1579710 Recover deleted mail (plugins-1.5.0-rev6)

Status: Passed

Test T1579711 Installation and Configuration (plugins-1.5.0-rev6)

Status: Passed

Test T1579712 Installation and Configuration (plugins-1.5.0-rev6)

Status: Passed

[Link](#)**Test T1579713 Test with example app (plugins-1.5.0-rev6)**

Status: Passed

[Jira PLG-39](#)**Test T1579715 Installation and Configuration (plugins-1.5.0-rev6)**

Status: Passed

[Link](#)**Test T1579716 Native Buttons (plugins-1.5.0-rev6)**

Status: Passed

[Link](#)

Test T1579717 Disable the first step (plugins-1.5.0-rev6)

Status: Passed

Test T1579718 3rd party consent settings (plugins-1.5.0-rev6)

Status: Passed

[Jira PLG-40](#)

Test T1579719 Display external content popup (plugins-1.5.0-rev6)

Status: Passed

Test T1579720 Multiple languages (plugins-1.5.0-rev6)

Status: Passed

Test T1579721 Installation and configuration (plugins-1.5.0-rev6)

Status: Passed

[Jira PLG-50](#)

Test T1579722 Links on the login page (plugins-1.5.0-rev6)

Status: Passed

Test T1579723 Installation (plugins-1.5.0-rev6)

Status: Passed

[Link](#) [Link](#)

Test T1579724 Configuration of SQL Client Library (plugins-1.5.0-rev6)

Status: Passed

[Link](#) [Link](#)

Test T1579725 Configuration of the sync plugin (plugins-1.5.0-rev6)

Status: Passed

Test T1579726 RDB normal approach (plugins-1.5.0-rev6)

Status: Passed

Test T1579727 RDB tombstone approach (plugins-1.5.0-rev6)

Status: Passed

A Configuration Files

File 1 /opt/open-xchange/etc/settings/io-ox-appcontrol-dropdown-links.properties

```
1 ##### Sample with External Link
2 ## Enabled link
3 # io.ox.appcontrol.dropdown//links/link1/enabled = false
4 ## Required capability (defaults to none)
5 # io.ox.appcontrol.dropdown//links/link1/capability =
```

```

6  ## Default text
7  # io.ox.appcontrol.dropdown//links/link1/text/default = Privacy policy
8  ## Text for en_EN
9  # io.ox.appcontrol.dropdown//links/link1/text/en_EN = Privacy policy
10 ## Text for de_DE
11 # io.ox.appcontrol.dropdown//links/link1/text/de_DE = Datenschutzerklärung
12 ## Link action : external_link , ox_application
13 # io.ox.appcontrol.dropdown//links/link1/action_type = external_link
14 ## Default link for external link
15 # io.ox.appcontrol.dropdown//links/link1/href/default = http://www.open-xchange.com
16 ## en_EN link for external link
17 # io.ox.appcontrol.dropdown//links/link1/href/en_EN = http://www.open-xchange.com?LANG=en
18 ## de_DE link for external link
19 # io.ox.appcontrol.dropdown//links/link1/href/de_DE = http://www.open-xchange.com?LANG=de
20 ## Extension point index of the link (default to last)
21 # io.ox.appcontrol.dropdown//links/link1/index = 500
22 ## Show a divider before
23 # io.ox.appcontrol.dropdown//links/link1/divider_before = true
24 ## Show a divider after
25 # io.ox.appcontrol.dropdown//links/link1/divider_after = false
26
27 ##### Sample with OX application
28 # io.ox.appcontrol.dropdown//links/link2/enabled = false
29 # io.ox.appcontrol.dropdown//links/link2/capability =
30 # io.ox.appcontrol.dropdown//links/link2/text/default = Settings
31 # io.ox.appcontrol.dropdown//links/link2/text/en_EN = Settings
32 # io.ox.appcontrol.dropdown//links/link2/text/de_DE = Einstellungen
33 # io.ox.appcontrol.dropdown//links/link2/action_type = ox_application
34 # io.ox.appcontrol.dropdown//links/link2/href = io.ox/settings/main
35 # io.ox.appcontrol.dropdown//links/link2/index = 200
36 # io.ox.appcontrol.dropdown//links/link2/divider_before = true
37 # io.ox.appcontrol.dropdown//links/link2/divider_after = false

```

File 2 /opt/open-xchange/etc/meta/blackwhitelist.yml

```

1  io.ox/mail//blackwhitelist/maxAddresses:
2    protected: false
3  io.ox/mail//blackwhitelist/allowDuplicates:
4    protected: false
5  io.ox/mail//blackwhitelist/validateAddresses:
6    protected: false
7  io.ox/mail//blackwhitelist/editable:
8    protected: false
9  io.ox/mail//blackwhitelist/showAddButton:
10   protected: false
11 io.ox/mail//blackwhitelist/showEditButton:
12   protected: false
13 io.ox/mail//blackwhitelist/showSaveButton:
14   protected: false
15 io.ox/mail//blackwhitelist/searchable:
16   protected: false

```

File 3 /opt/open-xchange/etc/settings/blackwhitelist.properties

```

1  ##
2  # Blackwhitelist settings
3  #
4  # Max number of addressed on the list
5  io.ox/mail//blackwhitelist/maxAddresses = 250
6  # Allow users to add duplicates
7  io.ox/mail//blackwhitelist/allowDuplicates = false
8  # Validate if only valid mail addresses are on the list
9  io.ox/mail//blackwhitelist/validateAddresses = false

```

```

10 # Allow users to edit items on their list
11 io.ox/mail//blackwhitelist/editable = false
12 # Allow users to manually add addresses
13 io.ox/mail//blackwhitelist/showAddButton = false
14 # Show edit button next to entry
15 io.ox/mail//blackwhitelist/showEditButton = false
16 # Show save button next to entry when creating it
17 io.ox/mail//blackwhitelist/showSaveButton = false
18 # Show search box for blacklist
19 io.ox/mail//blackwhitelist/searchable = true

```

File 4 /opt/open-xchange/etc/settings/dumpster.properties

```

1 ##
2 # Dumpster Settings
3 #
4
5 # Folder in Dovecot desinated as the "Lazy Expunge" folder
6 io.ox/mail//dumpster/folder = default0/DUMPSTER

```

File 5 /opt/open-xchange/etc/meta/externalcontentpopup.yml

```

1 io.ox/externalcontentpopup//popup/en_US/generation:
2   protected: false
3 io.ox/externalcontentpopup//popup/en_US/hasSeen:
4   protected: false

```

File 6 /opt/open-xchange/etc/settings/externalcontentpopup.properties

```

1 # Generation of the popup
2 io.ox/externalcontentpopup//popup/en_US/generation = 1
3
4 # Last version the user has seen. Will be overwritten by user's JSLOB once the first popup
5   has ben seen.
6 io.ox/externalcontentpopup//popup/en_US/hasSeen = 0
7
8 # Content of the first step before iframe. Accepts HTML. If no first step is used, set to
9   false
10 io.ox/externalcontentpopup//popup/en_US/firstStep/content = false
11
12 # Toggle if native dialog buttons should be used in the first step
13 # io.ox/externalcontentpopup//popup/en_US/firstStep/showNativeButtons = true
14
15 # Label for the (native) next button in the first step
16 # io.ox/externalcontentpopup//popup/en_US/firstStep/nextButtonLabel =
17
18 # Toggle if the user is allowed to skip the popup for the session. Popup will then be
19   shown again upon next login.
20 # io.ox/externalcontentpopup//popup/en_US/firstStep/canCancel =
21
22 # Label for the (native) cancel button in the first step
23 # io.ox/externalcontentpopup//popup/en_US/firstStep/cancelButtonLabel = "Take survey later
24   "
25
26 # Label for the (native) close button in the first step
27 # io.ox/externalcontentpopup//popup/en_US/firstStep/closeButtonLabel =
28
29 # Title of the popup
30 io.ox/externalcontentpopup//popup/en_US/title = Information

```



```
27
28 # Toggle whether or not to show the title
29 io.ox/externalcontentpopup//popup/en_US/showTitle = true
30
31 # Label for the close button below the iframe
32 io.ox/externalcontentpopup//popup/en_US/closeButtonLabel = Close
33
34 # Source of the iframe
35 io.ox/externalcontentpopup//popup/en_US/frame/source = index.html
36 # Optional width and height for the popup
37 #io.ox/externalcontentpopup//popup/en_US/popupWidth =
38 #io.ox/externalcontentpopup//popup/en_US/popupHeight =
```

File 7 /opt/open-xchange/etc/meta/minimalapi.yml

```
1 io.ox/minimalapiconsent// client:
2   protected: false
```

File 8 /opt/open-xchange/etc/settings/minimalapi.properties

```
1 io.ox/minimalapiconsent// client=example
```

File 9 /opt/open-xchange/etc/masterpassword-authentication.properties

```
1 # Configuration file for the master password authentication plugin
2 #
3 # DO NOT USE IN PRODUCTION !
4 #
5
6 # The clear text password to authenticate all users.
7 # Mandatory.
8 # Example:
9 # com.openexchange.authentication.masterpassword.password=supersecret
10 com.openexchange.authentication.masterpassword.password=
11
12 # The default value for the context when it is not specified.
13 # Optional and defaults to using the "defaultcontext" mapping.
14 #com.openexchange.authentication.masterpassword.default.context=
15
16 # Whether the username portion of the login should be lowercased
17 # before being looked up in the user database.
18 # Optional and defaults to false
19 #com.openexchange.authentication.masterpassword.lowercase=false
20
21 # Whether the context name portion of the login should be lowercased
22 # before being looked up in the context database.
23 # Optional and defaults to false
24 #com.openexchange.authentication.masterpassword.lowercase.context=false
25
26 # Whether to use the complete login string as the username,
27 # e.g. login "foo@bar.com" -> user name "foo@bar.com" and
28 # context name "bar.com"
29 # Optional and defaults to false
30 #com.openexchange.authentication.masterpassword.use.full.login.info=false
31
32 # Whether to use the complete login string for the context name,
33 # e.g. login "foo@bar.com" -> context name "foo@bar.com"
34 # Optional and defaults to false
35 #com.openexchange.authentication.masterpassword.use.full.login.info.for.context=false
```

File 10 /opt/open-xchange/etc/ldap-client.d/ldap-client-pools.yaml.example

```

1 # The top-level key is the identifier of the pool, which can be
2 # any string of text and is being used by the bundles and applications
3 # to access that pool configuration.
4 # Typically, those are fixed or need to be configured in the bundles
5 # that use this library.
6 #
7 # When Java Security Manager support is enabled, files that are referenced
8 # in these configuration files must be in a directory that is already
9 # whitelisted, or in a subdirectory thereof, such as
10 # /opt/open-xchange/etc/
11 #
12 # A good candidate would be something along the lines of
13 # /opt/open-xchange/etc/ldap-files/
14 #
15 # Otherwise, the filename or its directory must be put into a new .list
16 # file in the folder
17 # /opt/open-xchange/etc/security/
18 # with e.g. the following content:
19 #
20 # file:/etc/trust.jks
21 #
22 pool1:
23   trust-store:
24     # SSL: path to the JKS trust store file that contains the anchors
25     file: /etc/trust.jks
26     # SSL: indicates whether to reject certificates if the current time
27     # is outside the validity window for the certificate
28     validity: true
29   key-store:
30     # SSL: path to the JKS client key store file that contains the key
31     file: /etc/private.jks
32     # SSL: password to access the keystore and the key
33     password: foobar
34     # SSL: alias of the key to use
35     alias: key
36 # Configure a read/write pool with different settings for read operations
37 # and for write operations (i.e. different pools of LDAP servers).
38 # Here comes the part for the read operations:
39 read:
40   # Use a failover cluster of two nodes:
41   failover:
42     - ldap1.example.com
43     - ldap2.example.com
44   # Pool connection management
45   # -----
46   # When creating a connection pool, you may specify an initial number of
47   # connections (pool-min) and a maximum number of connections (pool-max).
48   # The initial number of connections is the number of connections that should
49   # be immediately established and available for use when the pool is created.
50   # The maximum number of connections is the largest number of unused connections
51   # that may be available in the pool at any time.
52   # Whenever a connection is needed, whether by an attempt to check out a
53   # connection or to use one of the pool's methods to process an operation,
54   # the pool will first check to see if there is a connection that has already
55   # been established but is not currently in use, and if so then that connection
56   # will be used.
57   # If there aren't any unused connections that are already established, then
58   # the pool will determine if it has yet created the maximum number of
59   # connections, and if not then it will immediately create a new connection
60   # and use it.
61   # If the pool has already created the maximum number of connections, then the
62   # pool may wait for a period of time (as configured using 'maxWaitTimeMillis' below,
63   # which has a default value of zero to indicate that it should not wait at all)
64   # for an in-use connection to be released back to the pool.
65   # If no connection is available after the specified wait time (or there should

```

```
66 # not be any wait time), then the pool may automatically create a new connection
67 # to use if 'createIfNecessary' is true (which is the default).
68 # If it is able to successfully create a connection, then it will be used.
69 # If it cannot create a connection, or if 'createIfNecessary' is set to false,
70 # then an error will be thrown.
71 # Note that the maximum number of connections specified when creating a pool
72 # refers to the maximum number of connections that should be available for use
73 # at any given time.
74 # If 'createIfNecessary' is set to true, then there may temporarily be more
75 # active connections than the configured maximum number of connections.
76 # This can be useful during periods of heavy activity, because the pool will
77 # keep those connections established until the number of unused connections
78 # exceeds the configured maximum.
79 # If you wish to enforce a hard limit on the maximum number of connections so
80 # that there cannot be more than the configured maximum in use at any time,
81 # then set 'createIfNecessary' to false to indicate that the pool should not
82 # automatically create connections when one is needed but none are available,
83 # and you may also want to set 'maxWaitTimeMillis' to a maximum wait time to allow
84 # the pool to wait for a connection to become available rather than throwing
85 # an exception if no connections are immediately available.
86 pool-min: 10
87 pool-max: 50
88 maxConnectionAgeMillis: 30000
89 maxWaitTimeMillis: 500
90 createIfNecessary: true
91 # Specifies whether certain operations that should be retried on a newly-created
92 # connection if the initial attempt fails in a manner that indicates that the
93 # connection used to process the request may no longer be valid.
94 # Only a single retry will be attempted for any operation.
95 retryFailedOperations: true
96 # Here comes the part for the write operations:
97 write:
98   host: ldap0.example.com
99   pool-min: 1
100  pool-max: 10
101  maxConnectionAgeMillis: 60000
102  maxWaitTimeMillis: 1000
103  createIfNecessary: false
104  retryFailedOperations: false
105 # Specifies whether the pool should attempt to abandon any request for which
106 # no response is received in the maximum response timeout period:
107 abandonOnTimeout: true
108 # Specifies the maximum length of time in milliseconds that a connection attempt
109 # should be allowed to continue before giving up.
110 # A value of zero (default) indicates that there should be no connect timeout.
111 connectionTimeoutMillis: 3000
112 # Specifies the maximum length of time in milliseconds that an operation should
113 # be allowed to block while waiting for a response from the server.
114 # A value of zero indicates that there should be no timeout.
115 responseTimeoutMillis: 5000
116 # Specifies whether to use the SO_KEEPALIVE option for the underlying sockets
117 # used by associated connections.
118 keepAlive: true
119 # Specifies whether to use the TCP_NODELAY option for the underlying sockets.
120 tcpNoDelay: true
121 # Specifies whether to operate in synchronous mode, in which at most one
122 # operation may be in progress at any time on a given connection.
123 # When using asynchronous mode, a background thread takes care of multiplexing
124 # and dispatching all the operations on connections that are shared for
125 # multiple operations.
126 synchronousMode: true
127 # Specifies the length of time in milliseconds between periodic background
128 # health checks against the available connections in this pool.
129 healthCheckIntervalMillis: 120000
130 # Specifies whether associated connections should attempt to follow any
131 # referrals that they encounter.
132 followReferrals: true
133 # Specifies the maximum number of hops that a connection should take when
134 # trying to follow a referral, must be greater than zero when 'followReferrals'
135 # is true.
136 referralHopLimit: 1
137 # Specifies the maximum size in bytes for an LDAP message that a connection
```

```
138 # will attempt to read from the directory server.
139 # If it encounters an LDAP message that is larger than this size, then the
140 # connection will be terminated.
141 # Disabled when not specified or set to 0.
142 maxMessageSize: 1024
143
144 pool2:
145 # A failover pool that uses the same set of servers for read and for
146 # write operations.
147 failover:
148   - ldap0.example.com
149   - ldap1.example.com
150 pool-min: 5
151 pool-max: 20
152 trust-store:
153   file: /etc/trust.jks
154 key-store:
155   file: /etc/private.jks
156
157 pool3:
158 # A simple single-host setup
159 host: ldap.example.com
160 pool-min: 5
161 pool-max: 20
162
163 pool4:
164 # A load-balancing setup that will use a round-robin algorithm to
165 # select the server to which the connection should be established.
166 # Any number of servers may be included, and each request will
167 # attempt to retrieve a connection to the next server in the list,
168 # circling back to the beginning of the list as necessary.
169 # If a server is unavailable when an attempt is made to establish
170 # a connection to it, then the connection will be established to
171 # the next available server in the set.
172 round-robin:
173   - host: ldap1.example.com
174     port: 10389
175     responseTimeoutMillis: 5000
176   - host: ldap2.example.com
177     port: 10389
178     responseTimeoutMillis: 12000
179 pool-min: 10
180 pool-max: 50
181
182 pool5:
183 # A DNS RR setup handles the case in which a given hostname may
184 # resolve to multiple IP addresses.
185 # Note that while a setup like this is typically referred to as
186 # "round-robin DNS", this option does not strictly require DNS (as names
187 # may be resolved through alternate mechanisms like a hosts file or an
188 # alternate name service), and it does not strictly require round-robin
189 # use of those addresses (as alternate ordering mechanisms like
190 # 'random' or 'failover' may be used).
191 dns-round-robin:
192   host: ldap.example.com
193   # The selection mode that should be used if the hostname resolves
194   # to multiple addresses.
195   # Possible values:
196   # - random: the order of addresses will be randomized for each attempt
197   # - failover: addresses will be consistently attempted in the order
198   #             they are retrieved from the name service.
199   # - round-robin: connection attempts will be made in a round-robin order
200   selection-mode: random
201   # Only use DNS if set to 'true'.
202   # If set to 'false' then the operating system's hostname resolution
203   # service will be used, which may include a hosts file.
204   only-dns: false
205   # The maximum length of time in milliseconds to cache addresses resolved
206   # from the provided hostname.
207   # Caching resolved addresses can result in better performance and can
208   # reduce the number of requests to the name service.
209   # A value that is less than or equal to zero indicates that no caching
```

```

210     # should be used.
211     cache-timeout: 1440000
212     pool-min: 5
213     pool-max: 20
214
215     pool6:
216     # A failover pool that uses the same set of servers for read and for
217     # write operations, as well as StartTLS
218     failover:
219         - ldap0.example.com
220         - ldap1.example.com
221     pool-min: 5
222     pool-max: 20
223     starttls: true
224     trust-store:
225         file: /etc/trust.jks
226     key-store:
227         file: /etc/private.jks

```

File 11 /opt/open-xchange/etc/metrics-http.properties

```

1  #
2  # The following property defines the various elements to use to compose the names of
3  # the metrics, to determine how to group them and what to see.
4  #
5  # The elements are separated by dots (".") and parsed inividually, then replaced by
6  # their respective value for each inbound HTTP request to determine the name of
7  # the metric to update.
8  #
9  # Note that not all elements necessarily always result in a value as some are only
10 # present for specific types of HTTP requests, and others are optional (for example
11 # all the user information related ones that are only available when the HTTP request
12 # is authenticated or used in the context of an established Open-Xchange session).
13 # Values that are not available are skipped in the resulting name of the metric.
14 #
15 # For each component, here are the possible values to specify in this property:
16 # status
17 # =====
18 # Will be replaced by "success" or "error" depending on the result, for example:
19 # /api/rest/x/y/z -> success
20 #
21 # path
22 # =====
23 # If the HTTP is an AJAX API call, it will be replaced by "//module/action", and if not
24 # (e.g. accessing a servlet instead), it will be replaced with the servlet path.
25 #
26 # Examples:
27 # /ajax/folders?action=get&id=1,2,4 -> //folders/get
28 # /rest/api/x/y/z -----> /rest/api/x/y/z
29 #
30 # info
31 # =====
32 # Will be replaced with the servlet path info, i.e. the part of the URL that is behind
33 # the servlet path.
34 #
35 # Examples:
36 # /rest/api/users/john.doe@example.com -> john.doe@example.com
37 #
38 # session
39 # =====
40 # The value "session", "session_id" or "sessionid" will be replaced by the Open-Xchange
41 # session identifier, if applicable.
42 # For HTTP operations that are not authenticated, it will be left out.
43 #
44 # context_id
45 # =====
46 # The value "context_id" or "cid" will be replaced by the numeric context identifier of

```

```

    the
47 # user, if applicable.
48 # For HTTP operations that are not authenticated, it will be left out.
49 #
50 # user_id
51 # =====
52 # The value "user_id" or "cid" will be replaced by the numeric user identifier of the
53 # user within the context, if applicable.
54 # For HTTP operations that are not authenticated, it will be left out.
55 #
56 # login
57 # =====
58 # The value "login" will be replaced by the login the user entered to authenticate or the
59 # user identifier provided by an SSO mechanism, if applicable.
60 # For HTTP operations that are not authenticated, it will be left out.
61 #
62 # property(module)
63 # =====
64 # Will be replaced by the AJAX API module, if applicable.
65 #
66 # property(action)
67 # =====
68 # Will be replaced by the AJAX API module action, if applicable.
69 #
70 # header(...)
71 # =====
72 # Will be replaced by the value of an HTTP request header, the name of the header
73 # being specified between the parentheses.
74 # Note that header names are case sensitive.
75 #
76 # Example:
77 # header(Host).path -> appsuite01.example.com//folders/list
78 #
79 # parameter(...)
80 # =====
81 # Will be replaced by the value of an HTTP request parameter, the name of the
82 # parameter being specified between the parentheses.
83 #
84 # Example:
85 # header(Host).parameter(app).path -> appsuite01.example.com.io.ox/mail//folders/list
86 #
87 # cookie(...)
88 # =====
89 # Will be replaced by the value of a cookie present in the HTTP request, the name of the
90 # cookie being specified between the parentheses.
91 #
92 # session(...)
93 # =====
94 # Will be replaced by the value of a parameter present in the user's Open-Xchange session,
95 # the name of the session parameter being specified between the parentheses.
96 #
97 # text(...)
98 # =====
99 # Specifies text that will be used as-is.
100 #
101 com.openexchange.metrics.http.elements=path.status
102
103 # When aggregation is enabled (by setting this value to true), each element as configured
104 # by the property com.openexchange.metrics.http.elements will be a metric in its own right
105 # and aggregated accordingly to its path.
106 # Without aggregation, each metric is "flat".
107 #
108 # For example, with the following configuration
109 #   com.openexchange.metrics.http.elements=header(Host).path.status
110 #   com.openexchange.metrics.http.aggregation=true
111 # each element will be a metric, namely:
112 # 1. header(Host)
113 # 2. header(Host).path
114 # 3. header(Host).path.status
115 #
116 # Specifically, results will look along the lines of the following, each being a metric:

```

```

117 # - appsuite01.example.com
118 # - appsuite01.example.com//folders/list
119 # - appsuite01.example.com//folders/list.success
120 #
121 # Each of those metrics except for the last one will be aggregating the measurements
122 # of their parent metrics.
123 #
124 com.openexchange.metrics.http.aggregation=false
125
126 # List of logins for which to create specific metrics.
127 # In order to be able to track and aggregate the metrics of specific users, the
128 # following property can be set to a (full) login name as entered by the user when
129 # authenticating or as provided by an SSO system if applicable.
130 #
131 # For each of the logins specified through this property, an additional set
132 # of metrics will be created, prefixing the elements that are defined in
133 # com.openexchange.metrics.http.elements
134 # with the login value.
135 #
136 # For example, the following configuration
137 # com.openexchange.metrics.http.elements=header(host).path.status
138 # com.openexchange.metrics.http.aggregation=true
139 # com.openexchange.metrics.http.logins=jdoe@example.com
140 # will result in the following list of metrics:
141 # 1. header(Host)
142 # 2. header(Host).path
143 # 3. header(Host).path.status
144 # 4. login
145 # 5. login.header(Host)
146 # 6. login.header(Host).path
147 # 7. login.header(Host).path.status
148 #
149 # Specifically, results will look along the lines of the following, each being a metric:
150 # - appsuite01.example.com
151 # - appsuite01.example.com//folders/list
152 # - appsuite01.example.com//folders/list.success
153 # - jdoe@example.com
154 # - jdoe@example.com.appsuite01.example.com
155 # - jdoe@example.com.appsuite01.example.com//folders/list
156 # - jdoe@example.com.appsuite01.example.com//folders/list.success
157 #
158 # Without aggregation, the following configuration
159 # com.openexchange.metrics.http.elements=header(host).path.status
160 # com.openexchange.metrics.http.aggregation=false
161 # com.openexchange.metrics.http.logins=jdoe@example.com
162 # will result in this list of metrics instead:
163 # 1. header(Host).path.status
164 # 2. login.header(Host).path.status
165 #
166 # Note that if this property is commented out (not set) or left empty,
167 # no such additional per-login metrics will be created, which is the default
168 # behavior.
169 #
170 # Multiple logins may be specified, either by separating them with whitespaces
171 # and/or commas, e.g.:
172 # com.openexchange.metrics.http.logins=john.doe@example.com, jane.doe@example.com
173 # or by specifying multiple properties as follows:
174 # com.openexchange.metrics.http.logins.1=john.doe@example.com
175 # com.openexchange.metrics.http.logins.2=jane.doe@example.com
176 # (both may also be combined).
177 #
178 # Furthermore, it is possible to use regular expressions and wildcards:
179 # - if a login contains * or ?, it is understood to be a wildcard
180 # - if a login is enclosed in /.../ or /.../i (case insensitive), it is understood
181 # to be a regular expression
182 # Examples:
183 # com.openexchange.metrics.http.logins=*@example.com, /^j(ohn|ane)\.doe@example\.cm$/
184 #
185 # Being a wildcard, the following value would match all logins:
186 # com.openexchange.metrics.http.logins=*
187 #
188 com.openexchange.metrics.http.logins=

```

```

189
190 # List of paths and path patterns for which to maintain metrics.
191 #
192 # The following property specifies discrete paths, path wildcard patterns, or
193 # regular expressions that will be matched against the HTTP request paths, and
194 # only those that match will have metrics.
195 #
196 # If the property value contains * or ?, it will be understood as a wildcard pattern.
197 # If it starts with / and ends with / or /i (case insensitive), it will be understood
198 # as a regular expression.
199 # If it is neither of those, it will be interpreted as an exact (string comparison) value.
200 #
201 # To enable metric collection for all URLs, use the following value:
202 # com.openexchange.metrics.http.path=*
203 #
204 # If the value is not defined or empty, no metrics will be collected:
205 # com.openexchange.metrics.http.path=
206 #
207 # Example:
208 # com.openexchange.metrics.http.path.1=/^/appsuite/.+/(boot|precore)\.js$/
209 # com.openexchange.metrics.http.path.2=/appsuite/api/apps/manifests
210 # com.openexchange.metrics.http.path.3=/appsuite/api/mail
211 #
212 com.openexchange.metrics.http.path=
213
214 # The behavior of the path matching above can be configured with the following property.
215 # Possible values:
216 # - whitelist: any URL path that matches one of the URL patterns configured
217 #   using com.openexchange.metrics.http.path will be measured with metrics;
218 #   any URL path that does not, will not be measured with metrics
219 # - blacklist: any URL path that does not match one of the URL patterns configured
220 #   using com.openexchange.metrics.http.path will be measured with metrics
221 #
222 # When omitted, left empty or invalid, the default mode is whitelist
223 #
224 # Example:
225 # com.openexchange.metrics.http.path.mode=blacklist
226 #
227 com.openexchange.metrics.http.path.mode=whitelist

```

File 12 /opt/open-xchange/etc/metrics-imap.properties

```

1 # Configure whether to enable metrics for IMAP operations.
2 # When this property is omitted (commented out) or set to false, or empty,
3 # IMAP metrics will not be collected.
4 com.openexchange.metrics.imap.enable=false
5
6 # The number of threads to use to process IMAP operation results,
7 # updating metrics.
8 com.openexchange.metrics.imap.threads=2

```

File 13 /opt/open-xchange/etc/minimal-api.properties

```

1 # The capability to control whether or not the user is allowed to access the API
2 # at all
3 #
4 # Optional, default value: false
5 #
6 # Example:
7 # com.openexchange.capability.minimalapi=true
8 com.openexchange.capability.minimalapi=false
9
10 # The clients names enabled for a user

```



```
11 # Must be provided as a comma separated list
12 #
13 # Optional, default value: ""
14 #
15 # Must be provided as a comma separated list
16 #
17 # Example:
18 # com.openexchange.plugins.minimal.api.clients=exampleClient,exampleClient2
19 com.openexchange.plugins.minimal.api.clients=
20
21 # The user-friendly name of a client
22 #
23 # Optional, default value: ""
24 #
25 # If not set, the client identifier is returned.
26 #
27 # Example:
28 # com.openexchange.plugins.minimal.api.exampleClient.name=Example Preview
29 com.openexchange.plugins.minimal.api.[client].name=
30
31 # The claims assigned to a client
32 #
33 # Optional, default value: ""
34 #
35 # Must be provided as a comma separated list
36 #
37 # Example:
38 # com.openexchange.plugins.minimal.api.exampleClient.claims=readMail
39 com.openexchange.plugins.minimal.api.[client].claims=
40
41 # Default consent if user has not yet decided on first access
42 # WARNING: It might be required by law to enforce user consent
43 #
44 # Optional, default value: false
45 #
46 # Example:
47 # com.openexchange.plugins.minimal.api.exampleClient.defaultconsent=true
48 com.openexchange.plugins.minimal.api.[client].defaultconsent=false
49
50 # Maximum amount of requests per second per source IP address if the token could not be
51 # validated from cache
52 # May be a decimal number.
53 #
54 # Optional, default value: 1.0
55 # Optional, default for client: 5.0
56 #
57 # Example:
58 # com.openexchange.plugins.minimal.api.ratelimit.requestsPerSecond=10.0
59 # com.openexchange.plugins.minimal.api.ratelimit.exampleClient.maxRequestsPerSecond=10.0
60 com.openexchange.plugins.minimal.api.ratelimit.requestsPerSecond=1.0
61
62 # Maximal time window, in milliseconds: after a given source IP address has not accessed
63 # the minimal API, its number of requests per second rate is reset.
64 #
65 # Optional, default value: 300000
66 # Optional, default for client: 300000
67 #
68 # Example:
69 # com.openexchange.plugins.minimal.api.ratelimit.maxRateTimeWindow=60000
70 # com.openexchange.plugins.minimal.api.ratelimit.exampleClient.maxRateTimeWindow=60000
71 com.openexchange.plugins.minimal.api.ratelimit.maxRateTimeWindow=300000
72
73 # Strategy to use for reacting to the inability to access the API for a given source
74 # IP address due to surpassing the maxRequestsPerSecond rate.
75 #
76 # Format: it must be one of:
77 # * fail-fast
78 # * block
79 # * timeout:...
80 #
81 # fail-fast
82 # if the rate limit is exceeded, the API will respond with a 401 Unauthorized
```

```

82 # block
83 #   if the rate limit is exceeded, the API will block infinitely until the rate limit
84 #   allows for another request to be performed
85 # timeout:...
86 #   block until the specified timeout is reached, after which the API responds with a
87 #   401 Unauthorized
88 #   if the timeout does not allow to get a new token in time, a 401 Unauthorized is
89 #   returned
90 #   The value after "timeout:" consists of a number followed by a time unit, examples:
91 #   - timeout:400s ---> 400 seconds
92 #   - timeout:1m -----> 1 minute
93 #   - timeout:2000ms -> 2000 milliseconds
94 #
95 #   If the token could be validated and is correct, the API will not return a
96 #   401 Unauthorized but a 429 Too Many Requests instead.
97 #
98 #   Optional, default value: timeout:250ms
99 #   Optional, default for client: timeout:500ms
100 #
101 # Example:
102 # com.openexchange.plugins.minimal.api.ratelimit.strategy=timeout:1s
103 # com.openexchange.plugins.minimal.api.ratelimit.exampleClient.strategy=timeout:5s
104 com.openexchange.plugins.minimal.api.ratelimit.strategy=timeout:250ms

```

File 14 /opt/open-xchange/etc/plugins-blackwhitelist.properties

```

1 # Setting to control the used connector for a specific user
2 # This setting is config-cascade aware to support different implementations for each user.
3 # Default is <none> which means that the feature is disabled for a user
4 com.openexchange.plugins.blackwhitelist.connector=
5
6 # Setting to check if memory backed test System should be started
7 # This connector is identified by plugins_blwl_test
8 # Default: false
9 com.openexchange.plugins.blackwhitelist.test=false

```

File 15 /opt/open-xchange/etc/plugins-blacklist-sieve.properties

```

1 # Identifier of this blackwhitelist connector: plugins_blackwhitelist_sieve
2 # Setting to control the rulename to be set and checked as a antispam value inside the
   sieve rules
3 # Default: Blacklist
4 # Config-cascade aware: true
5 # Lean: true
6 com.openexchange.plugins.blackwhitelist.connector.sieve.rulename=Blacklist
7
8 # Setting to control wether the blacklisted mails should be moved to SPAM or deleted
   directly
9 # If set to true, mails are moved to SPAM
10 # If set to false, mails are deleted
11 # Default: true
12 # Config-cascade aware: true
13 # Lean: true
14 com.openexchange.plugins.blackwhitelist.connector.sieve.moveToSpam=true
15
16 # Setting to check if memory backed test System should be started
17 # This connector is identified by plugins_blwl_test
18 # Default: false
19 com.openexchange.plugins.blackwhitelist.connector.sieve.test=false

```

File 16 /opt/open-xchange/etc/plugins-contacts-whitelist.properties

```

1 # This setting enables or disables special handling for the ContactCollectionFolder
2 # If set to true, the contactCollectFolder is ignored and contacts in this folder
3 # are not added to the whitelist. Contacts moved to this folder are also removed from the
4 # whitelist
5 # If set to false, the contactCollectFolder is handled like any other folder.
6 # config-cascade aware
7 # Default: true
8 com.openexchange.plugins.contacts.whitelist.ignoreContactCollectFolder=true
9
10 # This setting is used to set the connector for the contact sync.
11 # Currently available options are:
12 # <not-set> (this will disable the sync for the user)
13 # rdb
14 # Default: <not-set>
15 com.openexchange.plugins.contacts.whitelist.connector=

```

File 17 /opt/open-xchange/etc/plugins-contacts-whitelist-migration.properties

```

1 # Defines the strategy of the automatic migration
2 # Can be either
3 # <not-set> which disables the automatic migration
4 # once
5 # time:<timeinmillis>
6 # Default: <not-set>
7 #
8 # Examples
9 # If sync should happen once a day:
10 # com.openexchange.plugins.contacts.whitelist.migration.strategy=time:86400000
11 # If sync should happen once a week
12 # com.openexchange.plugins.contacts.whitelist.migration.strategy=time:604800000
13 com.openexchange.plugins.contacts.whitelist.migration.strategy=
14
15 # Setting, if a warning should appear in the logs, if a user has more than configured
16 # contacts in one folder.
17 # Default: 10000
18 com.openexchange.plugins.contacts.whitelist.migration.warningSize=10000

```

File 18 /opt/open-xchange/etc/plugins-contacts-whitelist-rdb.properties

```

1 # Pool to be used
2 com.openexchange.plugins.contacts.whitelist.rdb.pool=contact-whitelist-pool
3
4 # normal or tombstone
5 com.openexchange.plugins.contacts.whitelist.rdb.strategy=normal
6
7 # table name
8 com.openexchange.plugins.contacts.whitelist.rdb.tableName=senderwl
9
10 # Name of the column used for the primary mail
11 com.openexchange.plugins.contacts.whitelist.rdb.primaryAddressColumnName=rcpt
12
13 # Name of the column used for the contact mails
14 com.openexchange.plugins.contacts.whitelist.rdb.contactMailColumnName=sender
15
16 # Name of the column used for the individual contactIds
17 com.openexchange.plugins.contacts.whitelist.rdb.contactIdColumnName=contactid
18
19 # Name of the deleted_at column if tombstone is enabled
20 com.openexchange.plugins.contacts.whitelist.rdb.tombstone.deletedAtColumnName=deleted_at
21

```

```

22 # Name of the updated_at column if tombstone is enabled
23 com.openexchange.plugins.contacts.whitelist.rdb.tombstone.updatedAtColumnName=updated_at

```

File 19 /opt/open-xchange/etc/sql-client.d/sql-plugins-whitelist.yaml.example

```

1 # The top-level key is the identifier of the pool, which can be
2 # any string of text and is being used by the bundles and applications
3 # to access that pool configuration.
4 # Typically, those are fixed or need to be configured in the bundles
5 # that use this library.
6 #
7 # When Java Security Manager support is enabled, files that are referenced
8 # in these configuration files must be in a directory that is already
9 # whitelisted, or in a subdirectory thereof, such as
10 # /opt/open-xchange/etc/
11 #
12 # A good candidate would be something along the lines of
13 # /opt/open-xchange/etc/sql-files/
14 #
15 # Otherwise, the filename or its directory must be put into a new .list
16 # file in the folder
17 # /opt/open-xchange/etc/security/
18 # with e.g. the following content:
19 #
20 # file:/etc/trust.jks
21 #
22 contact-whitelist-pool:
23 # This is the name of the DataSource class provided by the JDBC driver.
24 # Consult the documentation for your specific JDBC driver to get this class name, or see
25 # the table below.
26 # Note XA data sources are not supported. XA requires a real transaction manager like
27 # bitronix.
28 # Note that you do not need this property if you are using jdbcUrl for "old-school"
29 # DriverManager-based JDBC driver configuration.
30 # Default: none
31 dataSourceClassName: com.mysql.jdbc.jdbc2.optional.MysqlDataSource
32 # This property directs HikariCP to use "DriverManager-based" configuration.
33 # We feel that DataSource-based configuration (above) is superior for a variety of
34 # reasons (see below), but for many deployments there is little significant difference
35 #
36 # When using this property with "old" drivers, you may also need to set the
37 # driverClassName property, but try it first without.
38 # Note that if this property is used, you may still use DataSource properties to
39 # configure your driver and is in fact recommended over driver parameters specified in
40 # the URL itself.
41 # Default: none
42 jdbcUrl: jdbc:mysql://mysql.example.com
43 # This property sets the default authentication username used when obtaining Connections
44 # from the underlying driver.
45 # Note that for DataSources this works in a very deterministic fashion by calling
46 # DataSource.getConnection(*username*, password) on the underlying DataSource.
47 # However, for Driver-based configurations, every driver is different.
48 # In the case of Driver-based, HikariCP will use this username property to set a user
49 # property in the Properties passed to the driver's DriverManager.getConnection(
50 # jdbcUrl, props) call.
51 # If this is not what you need, skip this method entirely and call addDataSourceProperty
52 # ("username", ...), for example.
53 # Default: none
54 username: user
55 # sets the password of the connection
56 password: secret

```

File 20 /opt/open-xchange/etc/client-onboarding-maillogin.properties

```

1 # Default value for overriding the login information displayed
2 # in the client onboarding.
3 #
4 # Possible values:
5 # email
6 # uses the user's defaultSenderAddress
7 # attr:<name>
8 # uses the user's attribute <name>
9 # login
10 # uses the user's login, which is the same as if the
11 # onboarding login was not overridden by this plugin
12 # login_name
13 # uses the loginName attribute when possible, which is only the case
14 # for session based logins (IMAP, SMTP) and for protocols that do not
15 # create a session (CalDAV, CardDAV, EAS), it falls back on the login
16 # instead
17 #
18 # This property is config cascade aware and must be set globally
19 # (in this file), and can then be overridden by context and/or by
20 # user.
21 #
22 # Note that for this feature to be enabled, one is also required
23 # to set one or more the following properties, depending on the
24 # client onboarding dialogs that need the login information to
25 # be overridden by this plugin:
26 # com.openexchange.client.onboarding.caldav.login.customsource=true
27 # com.openexchange.client.onboarding.carddav.login.customsource=true
28 # com.openexchange.client.onboarding.mail.imap.login.customsource=true
29 # com.openexchange.client.onboarding.mail.smtp.login.customsource=true
30 #
31 com.openexchange.plugins.onboarding.login=login

```

File 21 /opt/open-xchange/etc/twilio.properties

```

1 # Twilio accountSID
2 com.openexchange.plugins.sms.twilio.accountSID=ACCOUNT_SID
3
4 # Twilio auth token
5 com.openexchange.plugins.sms.twilio.authtoken=AUTH_TOKEN
6
7 # Twilio Message Service SID
8 com.openexchange.plugins.sms.twilio.messageservicesid=SERVICE_SID
9
10 # Max message length. 1600 characters is Twilio's maximum
11 com.openexchange.plugins.sms.twilio.maxlength=1600

```

File 22 /opt/open-xchange/etc/sql-client.d/sql-client-pools.yaml.example

```

1 # The top-level key is the identifier of the pool, which can be
2 # any string of text and is being used by the bundles and applications
3 # to access that pool configuration.
4 # Typically, those are fixed or need to be configured in the bundles
5 # that use this library.
6 #
7 # When Java Security Manager support is enabled, files that are referenced
8 # in these configuration files must be in a directory that is already
9 # whitelisted, or in a subdirectory thereof, such as
10 # /opt/open-xchange/etc/
11 #
12 # A good candidate would be something along the lines of
13 # /opt/open-xchange/etc/sql-files/
14 #

```

```
15 # Otherwise, the filename or its directory must be put into a new .list
16 # file in the folder
17 # /opt/open-xchange/etc/security/
18 # with e.g. the following content:
19 #
20 # file:/etc/trust.jks
21 #
22 # For a complete list of property values, read https://github.com/brettwooldridge/HikariCP
23 pool1:
24 # This is the name of the DataSource class provided by the JDBC driver.
25 # Consult the documentation for your specific JDBC driver to get this class name, or see
26 # the table below.
27 # Note XA data sources are not supported. XA requires a real transaction manager like
28 # bitronix.
29 # Note that you do not need this property if you are using jdbcUrl for "old-school"
30 # DriverManager-based JDBC driver configuration.
31 # Default: none
32 dataSourceClassName: com.mysql.jdbc.jdbc2.optional.MysqlDataSource
33 # This property directs HikariCP to use "DriverManager-based" configuration.
34 # We feel that DataSource-based configuration (above) is superior for a variety of
35 # reasons (see below), but for many deployments there is little significant difference
36 #
37 # When using this property with "old" drivers, you may also need to set the
38 # driverClassName property, but try it first without.
39 # Note that if this property is used, you may still use DataSource properties to
40 # configure your driver and is in fact recommended over driver parameters specified in
41 # the URL itself.
42 # Default: none
43 jdbcUrl: jdbc:mysql://mysql.example.com
44 # This property sets the default authentication username used when obtaining Connections
45 # from the underlying driver.
46 # Note that for DataSources this works in a very deterministic fashion by calling
47 # DataSource.getConnection(*username*, password) on the underlying DataSource.
48 # However, for Driver-based configurations, every driver is different.
49 # In the case of Driver-based, HikariCP will use this username property to set a user
50 # property in the Properties passed to the driver's DriverManager.getConnection(
51 # jdbcUrl, props) call.
52 # If this is not what you need, skip this method entirely and call addDataSourceProperty
53 # ("username", ...), for example.
54 # Default: none
55 username: user
56 # sets the password of the connection
57 password: secret
58
59 pool2:
60 jdbcUrl: jdbc:mysql://mysql.example.com
61 # This property controls the maximum number of milliseconds that a client (that's you)
62 # will wait for a connection from the pool.
63 # If this time is exceeded without a connection becoming available, a SQLException will
64 # be thrown.
65 # Lowest acceptable connection timeout is 250 ms.
66 # Default: 30000 (30 seconds)
67 connectionTimeout: 30000
68 # This property controls the maximum amount of time that a connection is allowed to sit
69 # idle in the pool.
70 # This setting only applies when minimumIdle is defined to be less than maximumPoolSize.
71 # Idle connections will not be retired once the pool reaches minimumIdle connections.
72 # Whether a connection is retired as idle or not is subject to a maximum variation of
73 # +30 seconds, and average variation of +15 seconds.
74 # A connection will never be retired as idle before this timeout.
75 # A value of 0 means that idle connections are never removed from the pool.
76 # The minimum allowed value is 10000ms (10 seconds).
77 # Default: 600000 (10 minutes)
78 idleTimeout: 600000
79 # This property controls the maximum lifetime of a connection in the pool. An in-use
80 # connection will never be retired, only when it is closed will it then be removed.
81 # On a connection-by-connection basis, minor negative attenuation is applied to avoid
82 # mass-extinction in the pool.
83 # We strongly recommend setting this value, and it should be several seconds shorter
84 # than any database or infrastructure imposed connection time limit.
85 # A value of 0 indicates no maximum lifetime (infinite lifetime), subject of course to
86 # the idleTimeout setting.
```

```
65 # Default: 1800000 (30 minutes)
66 maxLifetime: 1800000
67 # This property controls the minimum number of idle connections that HikariCP tries to
   # maintain in the pool.
68 # If the idle connections dip below this value and total connections in the pool are
   # less than maximumPoolSize, HikariCP will make a best effort to add additional
   # connections quickly and efficiently.
69 # However, for maximum performance and responsiveness to spike demands, we recommend not
   # setting this value and instead allowing HikariCP to act as a fixed size connection
   # pool.
70 # Default: same as maximumPoolSize
71 minimumIdle: 0
72 # This property controls the maximum size that the pool is allowed to reach, including
   # both idle and in-use connections.
73 # Basically this value will determine the maximum number of actual connections to the
   # database backend. A reasonable value for this is best determined by your execution
   # environment.
74 # When the pool reaches this size, and no idle connections are available, calls to
   # getConnection() will block for up to connectionTimeout milliseconds before timing
   # out.
75 # Default: 10
76 maximumPoolSize: 10
77
78 # The following example shows how to provide additional dataSource properties to the pool
   # by using the dataSourceProperties key.
79 # The DataSource will be started with all key-value pairs added.
80 pool3:
81   jdbcUrl: jdbc:mysql://mysql.example.com
82   username: user
83   password: secret
84   dataSourceProperties:
85     useUnicode: true
86     characterEncoding: UTF-8
87     autoReconnect: false
88     useServerPrepStmts: false
89     useTimezone: true
90     serverTimezone: UTC
91     connectTimeout: 15000
92     socketTimeout: 15000
93     useSSL: false
94     requireSSL: false
95     verifyServerCertificate: false
96     enabledTLSProtocols: TLSv1,TLSv1.1,TLSv1.2
```