



OX2OX Migration Framework Target Technical Documentation
for
2.1.0

2021-08-13

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1 General Information

1.1 Warnings



Warning

This preview delivery is not for productive usage and not affected by service-level agreements.



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:

OMF Target 2.1.0 Preview Delivery 7

1.3 Install Package Repository

This delivery is part of a restricted preview software repository:

<https://software.open-xchange.com/components/omf-target/preview/2.1.0/DebianBuster-7.10.4>
<https://software.open-xchange.com/components/omf-target/preview/2.1.0/DebianBuster-7.10.5>
<https://software.open-xchange.com/components/omf-target/preview/2.1.0/DebianStretch-7.10.4>
<https://software.open-xchange.com/components/omf-target/preview/2.1.0/DebianStretch-7.10.5>
<https://software.open-xchange.com/components/omf-target/preview/2.1.0/RHEL7-7.10.4>
<https://software.open-xchange.com/components/omf-target/preview/2.1.0/RHEL7-7.10.5>

1.4 Build Dependencies

This delivery was build with following dependencies:

backend-7.10.5-rev17,plugins-1.6.5-rev2,cloud-plugins-1.11.6-rev1,
guard-2.10.5-rev8,backend-7.10.4-rev25,guard-2.10.4-rev7

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 Packages and Version

2.1 Package open-xchange-omf-target

OMF Migration Target Features OX2OX Migration Framework components for the migration target system.

Version: 2.1.0-7

Type: OX Middleware Plugin

Depends on:

```
open-xchange-admin (<<7.10.6)
open-xchange-admin (>=7.10.4)
open-xchange-cloudplugins (<<1.12.0)
open-xchange-cloudplugins (>=1.11.3)
open-xchange-core (<<7.10.6)
open-xchange-core (>=7.10.4)
open-xchange-grizzly (<<7.10.6)
open-xchange-grizzly (>=7.10.4)
open-xchange-mailfilter (<<7.10.6)
open-xchange-mailfilter (>=7.10.4)
open-xchange-rest (<<7.10.6)
open-xchange-rest (>=7.10.4)
open-xchange-sql-client (<<1.7.0)
open-xchange-sql-client (>=1.6.0)
```

2.1.1 Installation

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

```
<package installer> install open-xchange-omf-target
```

2.1.2 Configuration

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

/opt/open-xchange/etc/omf-target.properties (page [6](#))

/opt/open-xchange/etc/sql-client.d/omf-client-pools.yaml (page [8](#))

2.2 Package open-xchange-omf-target-guard

OMF Migration Target for Guard

Version: 2.1.0-7

Type: OX Middleware Plugin

Depends on:

```
open-xchange-guard (>=2.10.4)
open-xchange-omf-target (>=2.1.0)
```

2.2.1 Installation

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

```
<package installer> install open-xchange-omf-target-guard
```

2.3 Package open-xchange-omf-worker

OMF Migration Worker Features OX2OX Migration Framework components for Worker nodes.

Version: 2.1.0-7

Type: OX Middleware Plugin

Depends on:

```
open-xchange-admin (<<7.10.6)
open-xchange-admin (>=7.10.4)
open-xchange-admin-reseller (<<7.10.6)
open-xchange-admin-reseller (>=7.10.4)
open-xchange-cloudplugins (<<1.12.0)
open-xchange-cloudplugins (>=1.11.3)
open-xchange-core (<<7.10.6)
open-xchange-core (>=7.10.4)
open-xchange-sql-client (<<1.7.0)
open-xchange-sql-client (>=1.6.0)
```

2.3.1 Installation

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

```
<package installer> install open-xchange-omf-worker
```

2.3.2 Configuration

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

/opt/open-xchange/etc/omf-target.properties (page [10](#))

/opt/open-xchange/etc/omf-worker.properties (page [20](#))

/opt/open-xchange/etc/omf-feature-mapping.yml (page [23](#))

/opt/open-xchange/etc/sql-client.d/omf-client-pools.yml (page [24](#))

A Configuration Files

File 1 /opt/open-xchange/etc/omf-target.properties

```
1  ###
2  ### Target Configuration
3  ###
4
5  # Set the OMF target name of this App Suite instance/cluster.
6  # The value should be defined per brand, where the brand will be matched
7  # against the brand a context will be created in by the dual-provisioning.
8  #
9  # An example for the fictitious brand 'acme':
10 #
11 # com.openexchange.omf.target.provision.target.acme=ox_acme
12 #
13 # where 'ox_acme' must match the corresponding 'name' attribute of a Target
14 # which is configured into the Scheduler using the Orchestrator's
15 # 'omf target create' command.
16 #
17 # One may also define a fallback target name that will be used if no explicit
18 # target name property matches:
19 # com.openexchange.omf.target.provision.target._=ox_brand1
20 #
21 # Note that an empty value or one that one contains whitespaces is treated
22 # as undefined.
23 #
24 # There is no default value, but if no value is defined per-brand or as a
25 # fallback by configuration, the migration database for the respective source
26 # will be queried, first looking to match the brand name against rows in the
```

```
27 # 'target' table, and as a last resort, the only 'target' row entry if there is
28 # only one.
29 #
30 # If none of those mechanisms match, the provisioning call will fail.
31 #
32 com.openexchange.omf.target.provision.target._=
33
34 ###
35 ### REST API Credentials
36 ###
37
38 # The login of the user allowed to access the webservices
39 # Parameter is mandatory
40 com.openexchange.omf.target.basic.username=
41
42 # The password of the user allowed to access the webservices
43 # Parameter is mandatory
44 com.openexchange.omf.target.basic.password=
45
46 ###
47 ### HTTPS Client Settings
48 ###
49
50 # Location of the JKS trust store file that contains the certificates of the source and
51 # the target HTTPS endpoints.
52 # Note that this configuration setting is only applied when the URL to the source and/or
53 # the
54 # target App Suite endpoints are using the HTTPS protocol.
55 #
56 # The default value is empty, which causes the use of the CA certificates that are bundled
57 # with the Java Runtime Environment.
58 #
59 # Example:
60 # com.openexchange.omf.ssl.truststore.file=/opt/open-xchange/omf/worker-keystore.jks
61 #
62 # Example for using the bundled CA certificates:
63 # com.openexchange.omf.ssl.truststore.file=
64 # com.openexchange.omf.ssl.truststore.file=
65
66 # The password to use to open the JKS trust store file.
67 # Only relevant when the configuration parameter above has been set.
68 # Leave empty if no password is necessary (which is the common practice and, hence, the
69 # default).
70 #
71 # Example with no password being needed to access the trust store file:
72 # com.openexchange.omf.ssl.truststore.password=
73 # Another example where a password is needed to access the trust store file:
74 # com.openexchange.omf.ssl.truststore.password=secret
75 # com.openexchange.omf.ssl.truststore.password=
76
77 # The connect timeout for all outbound HTTP/REST requests.
78 #
79 # Example:
80 # com.openexchange.omf.http.connect.timeout=2m
81 #
82 # Defaults to 1m.
83 com.openexchange.omf.http.connect.timeout=1m
84
85 # The read timeout for all outbound HTTP/REST requests.
86 #
87 # Example:
88 # com.openexchange.omf.http.read.timeout=10m
89 #
90 # Defaults to 5m.
91 com.openexchange.omf.http.read.timeout=5m
92
93 # The write timeout for all outbound HTTP/REST requests.
94 #
95 # Example:
96 # com.openexchange.omf.http.write.timeout=10m
97 #
98 # Defaults to 5m.
```

```

97  com.openexchange.omf.http.write.timeout=5m
98
99  # The read timeout for slow outbound HTTP/REST requests.
100 #
101 # Example:
102 # com.openexchange.omf.http.slow.read.timeout=20m
103 #
104 # Defaults to 30m.
105 com.openexchange.omf.http.slow.read.timeout=30m
106
107 # The write timeout for slow outbound HTTP/REST requests.
108 #
109 # Example:
110 # com.openexchange.omf.http.slow.write.timeout=12m
111 #
112 # Defaults to 30m.
113 com.openexchange.omf.http.slow.write.timeout=30m
114
115 ###
116 ### Migration Database
117 ###
118
119 # The OMF target migration db url
120 # Should be in the format jdbc:mysql://mysql.example.com/migration
121 # Default: <empty>
122 com.openexchange.omf.target.sql.migration.url=
123
124 # The OMF target migration db user
125 # Default: <empty>
126 com.openexchange.omf.target.sql.migration.user=
127
128 # The OMF target migration db password
129 # Default: <empty>
130 com.openexchange.omf.target.sql.migration.password=
131
132 ###
133 ### File Migration Settings
134 ###
135
136 # Global Number of requests going to the source system
137 com.openexchange.omf.target.files.migration.concurrency.global.limit=25
138
139 # Number of requests going to the source system that are initiated by a single inbound
    request
140 com.openexchange.omf.target.files.migration.concurrency.single.limit=5
141
142 ###
143 ### Provisioning Configuration
144 ###
145 #
146 # Configuration required for the premigration mappings
147 #
148 #com.openexchange.omf.target.premigration.[reseller].password=
149
150 ###
151 ### Mail Filter Migration Settings
152 ###
153
154 # Skip adding mail filters that have more redirects than the max redirects
155 # configured on the sieve server. If true, then all other filters will be added
156 # and the failed rules will be passed back to the client. If false, then an
157 # exception will be thrown to the web service.
158 com.openexchange.omf.target.mailfilter.skip.redirect.failures=true

```

File 2 /opt/open-xchange/etc/sql-client.d/omf-client-pools.yaml

```

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 omf-migration:
24 # This property directs HikariCP to use "DriverManager-based" configuration.
25 # We feel that DataSource-based configuration (above) is superior for a variety of
    reasons (see below), but for many deployments there is little significant difference
    .
26 # When using this property with "old" drivers, you may also need to set the
    driverClassName property, but try it first without.
27 # Note that if this property is used, you may still use DataSource properties to
    configure your driver and is in fact recommended over driver parameters specified in
    the URL itself.
28 # Default: none
29 jdbcUrl: ${com.openexchange.omf.target.sql.migration.url}
30 # This property sets the default authentication username used when obtaining Connections
    from the underlying driver.
31 # Note that for DataSources this works in a very deterministic fashion by calling
    DataSource.getConnection(*username*, password) on the underlying DataSource.
32 # However, for Driver-based configurations, every driver is different.
33 # In the case of Driver-based, HikariCP will use this username property to set a user
    property in the Properties passed to the driver's DriverManager.getConnection(
    jdbcUrl, props) call.
34 # If this is not what you need, skip this method entirely and call addDataSourceProperty
    ("username", ...), for example.
35 # Default: none
36 username: ${com.openexchange.omf.target.sql.migration.user}
37 # sets the password of the connection
38 password: ${com.openexchange.omf.target.sql.migration.password}
39 # This property controls the minimum number of idle connections that HikariCP tries to
    maintain in the pool.
40 # 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.
41 # 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.
42 # Default: same as maximumPoolSize
43 minimumIdle: 0
44 # This property controls the maximum size that the pool is allowed to reach, including
    both idle and in-use connections.
45 # 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.
46 # 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.
47 # Default: 10
48 maximumPoolSize: 10
49 # This property controls the maximum number of milliseconds that a client
    # (that's you) will wait for a connection from the pool. If this time is exceeded
    # without a connection becoming available, a SQLException will be thrown. Lowest
    # acceptable connection timeout is 250 ms. Default: 30000 (30 seconds)
50 connectionTimeout: 15000
51 # the dataSourceProperties configures the driver configured above using the jdbcUrl

```

```

55 # (some) networking related parameters don't seem to work using mysql (what we are using
56   ), see
57 # https://github.com/brettwooldridge/HikariCP#popular-datasource-class-names
58 dataSourceProperties:
59   useUnicode: true
60   characterEncoding: UTF-8
61   useTimezone: true
62   serverTimezone: UTC
63   useSSL: false
64   requireSSL: false
65   verifyServerCertificate: false
66   enabledTLSProtocols: TLSv1,TLSv1.1,TLSv1.2

```

File 3 /opt/open-xchange/etc/omf-target.properties

```

1  ###
2  ### Target Configuration
3  ###
4
5  # Set the OMF target name of this App Suite instance/cluster.
6  # The value should be defined per brand, where the brand will be matched
7  # against the brand a context will be created in by the dual-provisioning.
8  #
9  # An example for the fictitious brand 'acme':
10 #
11 # com.openexchange.omf.target.provision.target.acme=ox_acme
12 #
13 # where 'ox_acme' must match the corresponding 'name' attribute of a Target
14 # which is configured into the Scheduler using the Orchestrator's
15 # 'omf target create' command.
16 #
17 # One may also define a fallback target name that will be used if no explicit
18 # target name property matches:
19 # com.openexchange.omf.target.provision.target._=ox_brand1
20 #
21 # Note that an empty value or one that one contains whitespaces is treated
22 # as undefined.
23 #
24 # There is no default value, but if no value is defined per-brand or as a
25 # fallback by configuration, the migration database for the respective source
26 # will be queried, first looking to match the brand name against rows in the
27 # 'target' table, and as a last resort, the only 'target' row entry if there is
28 # only one.
29 #
30 # If none of those mechanisms match, the provisioning call will fail.
31 #
32 com.openexchange.omf.target.provision.target._=
33
34 ###
35 ### REST API Credentials
36 ###
37
38 # The login of the user allowed to access the webservice
39 # Parameter is mandatory
40 com.openexchange.omf.target.basic.username=
41
42 # The password of the user allowed to access the webservice
43 # Parameter is mandatory
44 com.openexchange.omf.target.basic.password=
45
46 ###
47 ### HTTPS Client Settings
48 ###
49
50 # Location of the JKS trust store file that contains the certificates of the source and
51 # the target HTTPS endpoints.
52 # Note that this configuration setting is only applied when the URL to the source and/or
   the

```

```

53 # target App Suite endpoints are using the HTTPS protocol.
54 #
55 # The default value is empty, which causes the use of the CA certificates that are bundled
56 # with the Java Runtime Environment.
57 #
58 # Example:
59 # com.openexchange.omf.ssl.truststore.file=/opt/open-xchange/omf/worker-keystore.jks
60 #
61 # Example for using the bundled CA certificates:
62 # com.openexchange.omf.ssl.truststore.file=
63 com.openexchange.omf.ssl.truststore.file=
64 #
65 # The password to use to open the JKS trust store file.
66 # Only relevant when the configuration parameter above has been set.
67 # Leave empty if no password is necessary (which is the common practice and, hence, the
  default).
68 #
69 # Example with no password being needed to access the trust store file:
70 # com.openexchange.omf.ssl.truststore.password=
71 # Another example where a password is needed to access the trust store file:
72 # com.openexchange.omf.ssl.truststore.password=secret
73 com.openexchange.omf.ssl.truststore.password=
74 #
75 # The connect timeout for all outbound HTTP/REST requests.
76 #
77 # Example:
78 # com.openexchange.omf.http.connect.timeout=2m
79 #
80 # Defaults to 1m.
81 com.openexchange.omf.http.connect.timeout=1m
82 #
83 # The read timeout for all outbound HTTP/REST requests.
84 #
85 # Example:
86 # com.openexchange.omf.http.read.timeout=10m
87 #
88 # Defaults to 5m.
89 com.openexchange.omf.http.read.timeout=5m
90 #
91 # The write timeout for all outbound HTTP/REST requests.
92 #
93 # Example:
94 # com.openexchange.omf.http.write.timeout=10m
95 #
96 # Defaults to 5m.
97 com.openexchange.omf.http.write.timeout=5m
98 #
99 # The read timeout for slow outbound HTTP/REST requests.
100 #
101 # Example:
102 # com.openexchange.omf.http.slow.read.timeout=20m
103 #
104 # Defaults to 30m.
105 com.openexchange.omf.http.slow.read.timeout=30m
106 #
107 # The write timeout for slow outbound HTTP/REST requests.
108 #
109 # Example:
110 # com.openexchange.omf.http.slow.write.timeout=12m
111 #
112 # Defaults to 30m.
113 com.openexchange.omf.http.slow.write.timeout=30m
114 #
115 ###
116 ### Migration Database
117 ###
118 #
119 # The OMF target migration db url
120 # Should be in the format jdbc:mysql://mysql.example.com/migration
121 # Default: <empty>
122 com.openexchange.omf.target.sql.migration.url=
123

```

```

124 # The OMF target migration db user
125 # Default: <empty>
126 com.openexchange.omf.target.sql.migration.user=
127
128 # The OMF target migration db password
129 # Default: <empty>
130 com.openexchange.omf.target.sql.migration.password=
131
132 ###
133 ### File Migration Settings
134 ###
135
136 # Global Number of requests going to the source system
137 com.openexchange.omf.target.files.migration.concurrency.global.limit=25
138
139 # Number of requests going to the source system that are initiated by a single inbound
    request
140 com.openexchange.omf.target.files.migration.concurrency.single.limit=5
141
142 ###
143 ### Provisioning Configuration
144 ###
145 #
146 # Configuration required for the premigration mappings
147 #
148 #com.openexchange.omf.target.premigration.[reseller].password=
149
150 ###
151 ### Mail Filter Migration Settings
152 ###
153
154 # Skip adding mail filters that have more redirects than the max redirects
155 # configured on the sieve server. If true, then all other filters will be added
156 # and the failed rules will be passed back to the client. If false, then an
157 # exception will be thrown to the web service.
158 com.openexchange.omf.target.mailfilter.skip.redirect.failures=true

```

File 4 /opt/open-xchange/etc/omf-worker.properties

```

1 # The OMF Worker configuration mode.
2 #
3 # Options:
4 # 1. local - uses local configuration files. This is useful for single
5 # worker node OMF platforms.
6 # 2. distributed - uses the Zookeeper distributed configuration
7 # to distribute the same configuration among all workers in a group.
8 # This provider creates a single connection to the Zookeeper worker
9 # group config node and listens for updates.
10 #
11 # Default: "local"
12 #
13 com.openexchange.omf.worker.config.mode=
14
15 ###
16 ### ZooKeeper Configuration
17 ###
18
19 # The Zookeeper server address that the client will connect to
20 #
21 # This property is required
22 #
23 # Example: localhost:2181
24 #
25 com.openexchange.omf.worker.zookeeper.address=
26
27 # The Zookeeper worker group id. Identifies the group that this worker
28 # belongs to. All worker nodes servicing the same migration should
29 # use the same id. Worker group member nodes will be created here

```

```

30 # and the configuration for this group will be used for this worker.
31 #
32 # Default value: default
33 #
34 # Example: customer1
35 #
36 com.openexchange.omf.worker.zookeeper.group.id=
37
38 # The Worker's id. Identifies the worker within a group of workers.
39 # This should be unique within a worker group. This id will be used
40 # as the member id for the worker GroupMember management.
41 #
42 # Default value: the hostname
43 #
44 # Example: worker1
45 #
46 com.openexchange.omf.worker.zookeeper.member.id=
47
48 # The Zookeeper authentication user
49 #
50 # This property is optional
51 #
52 # Example: user
53 #
54 com.openexchange.omf.worker.zookeeper.auth.user=
55
56 # The Zookeeper authentication password
57 #
58 # This property is optional
59 #
60 # Example: password
61 #
62 com.openexchange.omf.worker.zookeeper.auth.password=
63
64 # Worker Status Publishing: when enabled (empty or > 0), this property controls
65 # after how long the Worker should post its status as being "IDLE" when attempting to
66 # retrieve the next Batch to process, and also whether it should update its status to
67 # the ID of the Batch that it starts processing.
68 #
69 # When disabled (<= 0), the Worker will not update its status.
70 #
71 # The status is kept in the ZooKeeper ZNode tree, under /omf/status/workers/{group}/{
    worker}
72 #
73 # This property is optional, and defaults to 20s.
74 # Syntax: <value>[d|h|m|s|ms]
75 # Example: com.openexchange.omf.idle.status.after=5s
76 com.openexchange.omf.idle.status.after=20s
77
78 ###
79 ### Sources
80 ###
81
82 # The source(s) that this worker services.
83 # This property tells the worker to collect migration batches for the
84 # specified source name(s) and determines the Kafka topics the worker
85 # listens on, each source name bein prefixed with "omf-batch-" to translate
86 # into a topic name (e.g. a source named "source1" will cause the worker
87 # to listen on a Kafka topic "omf-batch-source1").
88 #
89 # This property is comma delimited and may contain whitespaces between
90 # entries.
91 # This property is required.
92 # It is applied dynamically upon configuration reloading.
93 # Acceptable values are one or more source names.
94 #
95 # Example: source1, source2
96 #
97 com.openexchange.omf.worker.sources=
98
99 ###
100 ### Migration Database

```

```
101 ###
102 #
103 # Note that the following properties (com.openexchange.omf.worker.sql.migration.*)
104 # merely act as placeholders that are used in omf-client-pools.yaml
105 # Further customization of the database connections to the migration databases may
106 # be customized there and if these properties are not used as placeholders,
107 # changing them here won't have any effect.
108 #
109
110 # The JDBC URI to use to connect to the OMF worker migration database.
111 # Should be in the format jdbc:mysql://omf-migration-db/
112 # This property is mandatory and has no default value.
113 com.openexchange.omf.worker.sql.migration.url=
114
115 # The username to use to connect to the OMF worker migration database.
116 # This property is mandatory and has no default value.
117 com.openexchange.omf.worker.sql.migration.user=
118
119 # The password to use to connect to the OMF worker migration database.
120 # This property is mandatory and has no default value.
121 com.openexchange.omf.worker.sql.migration.password=
122
123 ###
124 ### HTTPS Client Settings
125 ###
126
127 # Location of the JKS trust store file that contains the certificates of the source and
128 # the target HTTPS endpoints.
129 # Note that this configuration setting is only applied when the URL to the source and/or
130 # the
131 # target App Suite endpoints are using the HTTPS protocol.
132 #
133 # The default value is empty, which causes the use of the CA certificates that are bundled
134 # with the Java Runtime Environment.
135 #
136 # Example:
137 # com.openexchange.omf.ssl.truststore.file=/opt/open-xchange/omf/worker-keystore.jks
138 #
139 # Example for using the bundled CA certificates:
140 # com.openexchange.omf.ssl.truststore.file=
141 com.openexchange.omf.ssl.truststore.file=
142
143 # The password to use to open the JKS trust store file.
144 # Only relevant when the configuration parameter above has been set.
145 # Leave empty if no password is necessary (which is the common practice and, hence, the
146 # default).
147 #
148 # Example with no password being needed to access the trust store file:
149 # com.openexchange.omf.ssl.truststore.password=
150 # Another example where a password is needed to access the trust store file:
151 # com.openexchange.omf.ssl.truststore.password=secret
152 com.openexchange.omf.ssl.truststore.password=
153
154 # The connect timeout for all outbound HTTP/REST requests.
155 #
156 # Example:
157 # com.openexchange.omf.http.connect.timeout=2m
158 #
159 # Defaults to 1m.
160 com.openexchange.omf.http.connect.timeout=1m
161
162 # The read timeout for all outbound HTTP/REST requests.
163 #
164 # Example:
165 # com.openexchange.omf.http.read.timeout=10m
166 #
167 # Defaults to 5m.
168 com.openexchange.omf.http.read.timeout=5m
169
170 # The write timeout for all outbound HTTP/REST requests.
171 #
172 # Example:
```

```

171 # com.openexchange.omf.http.write.timeout=10m
172 #
173 # Defaults to 5m.
174 com.openexchange.omf.http.write.timeout=5m
175
176 # The read timeout for slow outbound HTTP/REST requests.
177 #
178 # Example:
179 # com.openexchange.omf.http.slow.read.timeout=20m
180 #
181 # Defaults to 30m.
182 com.openexchange.omf.http.slow.read.timeout=30m
183
184 # The write timeout for slow outbound HTTP/REST requests.
185 #
186 # Example:
187 # com.openexchange.omf.http.slow.write.timeout=12m
188 #
189 # Defaults to 30m.
190 com.openexchange.omf.http.slow.write.timeout=30m
191
192 ###
193 ### User Quota Settings
194 ###
195
196 # The mode for user quota.
197 # Allowed values are user, context, keep
198 # If user is selected, user quota will be set during premigration of users
199 # If context quota is selected, no user quota will be set and existing user quota will be
200 # stripped
201 # If keep is selected, the user quota will not be touched and the existing value will be
202 # used on the target
203 # Default: user
204 com.openexchange.omf.worker.premigration.user.quota.mode=user
205
206 # Setting to control the behaviour when user.quota.mode is set to user.
207 # If set to true, will keep the existing value of the user if present and above 0
208 # if set to false, will use the configured default user.quota.defaultQuota
209 # Default: false
210 com.openexchange.omf.worker.premigration.user.quota.keepIfPresent=false
211
212 # The default Quota for a user, if the user.quota.mode is set to user
213 # Default: 1000L
214 com.openexchange.omf.worker.premigration.user.quota.defaultQuota=1000
215
216 # What should be the value of the LDAP attribute oxDeliveryStatus for pre-provisioned
217 # users?
218 # Default: ORIGINAL
219 #
220 # This property can be overridden in the Source config with key "deliveryStatus"
221 #
222 com.openexchange.omf.worker.premigration.user.deliveryStatus=ORIGINAL
223
224 # That value can be overridden by target brand. Note that the Source config will
225 # override the target brand override for a Source.
226 # com.openexchange.omf.worker.premigration.user.deliveryStatus.[brandName]=...
227 # e.g.:
228 # com.openexchange.omf.worker.premigration.user.deliveryStatus.targetBrand1=ORIGINAL
229 # When no per-target-brand value is defined here, the value of
230 # com.openexchange.omf.worker.premigration.user.deliveryStatus
231 # will be used as the default/fallback.
232
233 ###
234 ### Kafka Configuration
235 ###
236 #
237 # OMF Workers are both Kafka Consumers and Producers:
238 # * the OMF Worker uses a Kafka Consumer to poll jobs from Kafka job
239 # queues ("omf-batch-${sourceName}")
240 # * the OMF Worker uses a Kafka Producer to send job responses to the
241 # job response queue ("omf-response")
242 #

```

```
240 # Use the official Apache Kafka configuration documentation
241 # for all required and optional properties as well as defaults:
242 # Producer: https://kafka.apache.org/documentation/#producerconfigs
243 # Consumer: https://kafka.apache.org/documentation/#consumerconfigs
244 #
245 # The following Producer properties are automatically set by the
246 # worker and cannot be used here:
247 # - key.serializer
248 # - value.serializer
249 # - acks
250 # - retries
251 # - client.id
252 # - enable.idempotence
253 #
254 # The following Consumer properties are automatically set by the
255 # worker and cannot be used here:
256 # - key.deserializer
257 # - value.deserializer
258 # - enable.auto.commit
259 # - max.poll.records
260 # - auto.commit.interval.ms
261 # - group.id
262 # - group.instance.id
263 # - client.id
264 #
265 # Properties of the OMF Producer are prefixed with "kafka.producer."
266 # Ex: "kafka.producer.bootstrap.servers"
267 #
268 # Properties of the OMF Consumer are prefixed with "kafka.consumer."
269 # Ex: "kafka.consumer.bootstrap.servers"
270 #
271 # Properties shared between the producer and consumer can either
272 # be set individually, or using the prefix "kafka.". However, if the
273 # property is set with the producer or consumer prefix, those will
274 # supersede the common property.
275 # Ex: "kafka.bootstrap.servers"
276 #
277
278 ###
279 ### Cloud-Plugins Settings
280 ###
281
282 # The mode for user quota.
283 # Allowed values are user, remove, keep
284 # If user is selected, user quota will be set during premigration of users to a
285 # configurable default
286 # If remove quota is selected, no user quota will be set and existing user quota will be
287 # stripped
288 # If keep is selected, the user quota will not be touched and the existing value will be
289 # used on the target if present
290 # Default: user
291 com.openexchange.omf.worker.cloudplugins.user.quota.mode=user
292
293 # Setting to control the behaviour when user.quota.mode is set to user.
294 # If set to true, will keep the existing value of the user if present and above 0
295 # if set to false, will use the configured default user.quota.defaultQuota
296 # Default: true
297 com.openexchange.omf.worker.cloudplugins.user.quota.keepIfPresent=true
298
299 # The default quota for a user, if the user.quota.mode is set to user
300 # Default: 1000
301 com.openexchange.omf.worker.cloudplugins.user.quota.defaultQuota=1000
302
303 # Whether to always set the oxDeliveryStatus attribute to HOLD prior to performing
304 # the cutoff (when set to "true"), or only doing so when the current value of the
305 # oxDeliveryStatus attribute is neither empty, OXAAS or BLOCKED (when set to "false").
306 # When this configuration setting is set to "false", and the oxDeliveryStatus
307 # attribute of at least one of the users of a context is set to OXAAS or empty,
308 # then that context will not be migrated.
309 # Use this to avoid overwriting already migrated contexts, as an additional verification
310 # to the context mapping table.
311 #
```



```

309 # Default: false
310 com.openexchange.omf.worker.cloudplugins.status.hold.override=false
311
312 # When the migration of a context fails during cutoff, its oxDeliveryStatus attribute
313 # is set back to its original value when
314 # com.openexchange.omf.worker.logic.keep.deliveryStatus
315 # is set to true.
316 #
317 # This attribute controls whether setting it back to OXAAS or empty should be allowed
318 # (when set to false), or whether its value should be overridden with another value
319 # (when set to true).
320 # When this configuration property is set to true, the value with which oxDeliveryStatus
321 # should be overridden in case of context cutoff migration failure when it's previous
322 # value was empty or OXAAS is defined in
323 # com.openexchange.omf.worker.cloudplugins.status.enforce.failed.migration.with
324 #
325 # Default: true
326 com.openexchange.omf.worker.cloudplugins.status.enforce.failed.migration=true
327
328 # The value with which to override the oxDeliveryStatus after a failed cutoff migration
329 # if its original value was empty or OXAAS and
330 # com.openexchange.omf.worker.cloudplugins.status.enforce.failed.migration
331 # is set to true.
332 #
333 # Default: ORIGINAL
334 com.openexchange.omf.worker.cloudplugins.status.enforce.failed.migration.with=ORIGINAL
335
336 ###
337 ### File Migration Settings
338 ###
339
340 # Whether to parallelize the various file/filestore related operations:
341 # - synchronizing (downloading and uploading) of files
342 # - updating of filestores quotas
343 # - updating of filestore references
344 # - updating of file references
345 #
346 # There are multiple options:
347 #
348 # 1. off: the file related operations are not parallelized and, instead,
349 #    executed sequentially (one context at a time);
350 #    example:
351 #    com.openexchange.omf.worker.files.parallel.threads=off
352 #
353 # 2. auto: the operations are parallelized, with as many threads in parallel
354 #    as there are CPU cores;
355 #    example:
356 #    com.openexchange.omf.worker.files.parallel.threads=auto
357 #
358 # 3. a number: the operations are parallelized, with as many thrads in
359 #    parallel as specified with that number
360 #    example:
361 #    com.openexchange.omf.worker.files.parallel.threads=4
362 #
363 # Optional. Default: auto
364 com.openexchange.omf.worker.files.parallel.threads=auto
365
366 # Wether to check for missing files on source in the cutover phase
367 #
368 # When enabled, an error will be logged for missing files
369 #
370 # Note that the migration would be stopped anyway on a missing file on the
371 # source because the file could not be migrated as part of the normal preSync
372 # or cutover.
373 com.openexchange.omf.worker.files.check.source.missingFiles=false
374
375 # Wether to check for missing files on the target in the cutover phase
376 #
377 # When enabled, an error will be logged for missing files. The check
378 # will compare all fileRefs in the database with the configured fileStorage
379 # and if any of the fileRefs is missing, an exception is thrown.
380 com.openexchange.omf.worker.files.check.target.missingFiles=false

```

```
381
382 ###
383 ### Worker Behavior Configuration
384 ###
385
386 # Whether to update the oxDeliveryStatus attribute in oxCloudUser
387 # entities in the target LDAP (true) or not (false).
388 # Optional, defaults to true.
389 com.openexchange.omf.worker.logic.update.deliveryStatus=true
390
391 # When updating the oxDeliveryStatus is enabled (*), this flag configures
392 # whether, in case of the failure of the migration of a context, the
393 # oxDeliveryStatus attribute of all the users within that context should
394 # be set to:
395 # - true = their value prior to the migration (true),
396 # - false = the value 'ORIGINAL' (**)
397 #
398 # (*) see com.openexchange.omf.worker.logic.update.deliveryStatus above
399 # (**) or the value defined in com.openexchange.omf.worker.logic.failed.deliveryStatus
400 #
401 # Optional, defaults to false
402 com.openexchange.omf.worker.logic.keep.deliveryStatus=false
403
404 # When overwriting oxDeliveryStatus with a fixed value in case of a failed
405 # cutover of a context (*), this configuration setting indicates whether
406 # that oxDeliveryStatus value should be 'ORIGINAL' or another value.
407 #
408 # Note that if the value is different from ORIGINAL, OXAAS, HOLD
409 # or BLOCKED, it requires the use of a Cloud-Plugins version that supports
410 # arbitrary oxDeliveryStatus values -- see CP-259
411 #
412 # (*) com.openexchange.omf.worker.logic.keep.deliveryStatus=true
413 #
414 # Optional, defaults to ORIGINAL
415 com.openexchange.omf.worker.logic.failed.deliveryStatus=ORIGINAL
416
417 # Default maximum duration for a Batch, if it doesn't have a deadline
418 # attached to its Window.
419 # Set it to the value "none" to avoid applying a maximum duration (if there
420 # is no Window deadline), like so:
421 # com.openexchange.omf.worker.batch.default.max.duration=none
422 # Optional, defaults to 1h.
423 com.openexchange.omf.worker.batch.default.max.duration=1h
424
425 # Whether to unlock successfully migrated contexts on the source.
426 # Optional, defaults to false
427 com.openexchange.omf.worker.logic.unlock.successful.source=false
428
429 # Maximum amount of times we attempt to unlock the source contexts after
430 # a failed delta-sync Batch migration.
431 # Optional, defaults to 3
432 com.openexchange.omf.worker.logic.max.unlock.attempts=3
433
434 # Minimum amount of contexts that must survive a step in a batch
435 # disabled if set to 0
436 # Default: 1
437 com.openexchange.omf.worker.logic.keep.going.min=1
438
439 # Percentage of contexts that must succeed a step in a batch
440 # disabled if set to 0
441 # Must be between 0 and 100
442 # Default: 50
443 com.openexchange.omf.worker.logic.keep.going.percentage=50
444
445 # Used to determine how the context identifier should be found.
446 # Options:
447 # 1. <empty>: context identifier not used
448 # 2. contextName: uses the context name without the brand prefix
449 # This property can be overridden by the Source config with key contextIdentifier
450 com.openexchange.omf.worker.logic.context.identifier.mode=
451
452 ###
```

```
453 ### Mail Migration Properties
454 ###
455 # These contain several "source" based properties which
456 # are used by OMF to determine how to migrate a user based on
457 # the settings for the "source" that they belong to.
458 # The "source" is referred to as both the OMF "source" and the mail
459 # "source" which may be different. Some OMF source based properties
460 # are dependent on the DMF "brand". For instance, the mail source host
461 # default property value must be a source host that is configured in
462 # DMF for the "brand" that the source matches.
463
464 # The interval in ms that OMF will poll the DMF
465 # API to check the user migration status during
466 # presync
467 #
468 # This configuration property is optional.
469 #
470 # Default: 30000
471 #
472 # Example:
473 # com.openexchange.omf.worker.mail.presync.poll.interval.ms=30000
474 com.openexchange.omf.worker.mail.presync.poll.interval.ms=
475
476 # The interval in ms that OMF will poll the DMF
477 # API to check the user migration status during
478 # cutover
479 #
480 # This configuration property is optional.
481 #
482 # Default: 2000
483 #
484 # Example:
485 # com.openexchange.omf.worker.mail.cutover.poll.interval.ms=2000
486 com.openexchange.omf.worker.mail.cutover.poll.interval.ms=
487
488 # The amount of time in minutes to wait on a DMF job before marking the
489 # user as aborted because of too long of mail sync during presync.
490 # This does not abort the mail sync but provides a way to unblock a worker.
491 #
492 # This configuration property is optional.
493 #
494 # Default: 180
495 #
496 # Example:
497 # com.openexchange.omf.worker.mail.presync.abort.after.min=30
498 com.openexchange.omf.worker.mail.presync.abort.after.min=
499
500 # The amount of time in minutes to wait on a DMF job before marking the
501 # user as aborted because of too long of mail sync during cutover.
502 # This does not abort the mail sync but provides a way to unblock a worker.
503 #
504 # This configuration property is optional.
505 #
506 # Default: 20
507 #
508 # Example:
509 # com.openexchange.omf.worker.mail.cutover.abort.after.min=20
510 com.openexchange.omf.worker.mail.cutover.abort.after.min=
511
512 # The max amount of users that can be included in a request to DMF
513 # for getting/updating users.
514 #
515 # This configuration property is optional.
516 #
517 # Default: 50
518 #
519 # Example:
520 # com.openexchange.omf.worker.mail.max.users.in.payload=50
521 com.openexchange.omf.worker.mail.max.users.in.payload=
522
523 # Set the default source mail host per OMF source
524 #
```

```
525 # Use property names that start with
526 # "com.openexchange.omf.worker.mail.source.host."
527 # followed by the OMF source name.
528 #
529 # A source mail host is not required for any OMF source,
530 # however, if there is not a default and a host
531 # is not provided with the Appsuite source metadata then the
532 # migration will fail
533 #
534 # Example:
535 # com.openexchange.omf.worker.mail.source.host.source1=imap.host.name
536 # com.openexchange.omf.worker.mail.source.host.source2=imap.host.name
537
538 # Set the default source mail host port per OMF source
539 #
540 # Use property names that start with
541 # "com.openexchange.omf.worker.mail.source.port."
542 # followed by the OMF source name.
543 #
544 # A source mail host port is not required for any OMF source,
545 # and is only used to forward to DMF. It is possible that DMF
546 # is configured to not make use of the source host port option
547 # which would make this property useless for that OMF source.
548 #
549 # Example:
550 # com.openexchange.omf.worker.mail.source.port.source1=143
551 # com.openexchange.omf.worker.mail.source.port.source2=993
552
553 # Set the default source mail password per OMF source
554 #
555 # Use property names that start with
556 # "com.openexchange.omf.worker.mail.source.password."
557 # followed by the OMF source name.
558 #
559 # A source mail password is not required for any OMF source,
560 # and is only used to forward to DMF. It is possible that DMF
561 # is configured to not make use of the source password option
562 # which would make this property useless for that OMF source.
563 #
564 # Example:
565 # com.openexchange.omf.worker.mail.source.password.source1=secret
566 # com.openexchange.omf.worker.mail.source.password.source2=secret2
567
568 # Set the default imapc ssl option per OMF source
569 #
570 # Use property names that start with
571 # "com.openexchange.omf.worker.mail.imapc.ssl."
572 # followed by the OMF source name.
573 #
574 # There are 3 options:
575 # 1. "no"
576 # 2. "imaps"
577 # 3. "starttls"
578 #
579 # An imapc ssl option is not required for any OMF source,
580 # and is only used to forward to DMF. It is possible that DMF
581 # is configured to not make use of the imapc ssl option
582 # which would make this property useless for that OMF source.
583 #
584 # Example:
585 # com.openexchange.omf.worker.mail.imapc.ssl.source1=no
586 # com.openexchange.omf.worker.mail.imapc.ssl.source2=imaps
587
588 ###
589 ### DMF Client Properties
590 ###
591
592 # OMF talks to DMF via an apikey that is linked to a DMF "brand".
593 # An OMF "source" is one-one with a DMF "brand". This means that
594 # the apikey set for an OMF source should match up with the desired
595 # DMF brand.
596
```

```

597 # The DMF HTTP API URL. This is the URL without the API version.
598 # So if the versioned API URL is: https://dmf.host/dmf/v1
599 # then the URL to provide is "https://dmf.host/dmf"
600 #
601 # This configuration property is required.
602 #
603 com.openexchange.omf.worker.mail.dmf.url=
604
605 # Set the API key per source
606 #
607 # Use property names that start with
608 # "com.openexchange.omf.worker.mail.dmf.apikey."
609 # followed by the source name.
610 #
611 # An API key is required for any source that will be
612 # serviced by this OMF instance.
613 #
614 # Example:
615 # com.openexchange.omf.worker.mail.dmf.apikey.source1=XYZ
616 # com.openexchange.omf.worker.mail.dmf.apikey.source2=ABC
617 #
618
619 # When the target brand is configured as being dynamic ('*'), then the
620 # target brand must be provided by the source metadata.
621 # The following configuration properties can be used to map the brand
622 # names in the source metadata to different values before being used as
623 # the target brand name for preprovisioning.
624 #
625 # Syntax:
626 # com.openexchange.omf.worker.premigration.brand.map.<from>=<to>
627 #
628 # Example:
629 # com.openexchange.omf.worker.premigration.brand.map.brand1=reseller
630 #
631 # These properties are optional and the default behavior is to use the
632 # brand name in the source metadata as-is.
633 # com.openexchange.omf.worker.premigration.brand.map.<from>=<to>
634
635 # A default target brand to use when the target brand is configured as being
636 # dynamic ('*') and no target brand is specified in the source metadata.
637 #
638 # The property is optional and when not defined or blank, the brand must
639 # be part of the source metadata or the preprovisioning will fail.
640 #
641 com.openexchange.omf.worker.premigration.brand.default=
642
643 # Whether to parallelize the various premigration related operations:
644 # - creation of context
645 # - verification of contexts on the target
646 #
647 # There are multiple options:
648 #
649 # 1. off: the file related operations are not parallelized and, instead,
650 #    executed sequentially (one context at a time);
651 #    example:
652 #    com.openexchange.omf.worker.premigration.parallel.threads=off
653 #
654 # 2. auto: the operations are parallelized, with as many threads in parallel
655 #    as there are CPU cores;
656 #    example:
657 #    com.openexchange.omf.worker.premigration.threads=auto
658 #
659 # 3. a number: the operations are parallelized, with as many threads in
660 #    parallel as specified with that number
661 #    example:
662 #    com.openexchange.omf.worker.premigration.threads=4
663 #
664 # Optional. Default: auto
665 com.openexchange.omf.worker.premigration.parallel.threads=auto
666
667 # Enable the OMF Mail Filter Migration Contributor.
668 # This should not be enabled if mail filters will not be migrated

```

```
669 # by OMF (ex: migration by doveadm)
670 #
671 # Default: false
672 #
673 # This property can be overridden by the Source config with key mailfilterEnabled
674 com.openexchange.omf.worker.mailfilter.enabled=false
675
676 # When using the OMF Mail Filter Migration Contributor, set this to true
677 # if you want OMF to always overwrite the mail filters on Target for
678 # a user, even when they have no filters.
679 #
680 # Default: true
681 #
682 # This property can be overridden by the Source config with key mailfilterWriteEmpty
683 com.openexchange.omf.worker.mailfilter.writeEmpty=true
684
685 # Migrate Guard master keys and update mKeyIndex on target accordingly
686 #
687 # Default: false
688 #
689 # This property can be overridden by the Source config.
690 com.openexchange.omf.worker.guard.enabled=false
691
692 # Set the black/white list size limit
693 # This is the limit for each list
694 # This can be overridden with the Source config key blackWhiteLimit.
695 com.openexchange.omf.worker.cloudplugins.blackwhite.limit=250
696
697 # Skip adding black/white list entries that go beyond the configured limit.
698 # The skipped entries will be added as a MigrationEvent.
699 # If set to false, then the migration will fail if the limit is hit.
700 # This can be overridden with the Source config key blackWhiteLimitSkip.
701 com.openexchange.omf.worker.cloudplugins.blackwhite.limit.skip=true
702
703 # Configure the Migration Status Contributor identifier
704 #
705 # Options:
706 # * <empty>: Migration Status Contributor not used
707 # * http: Uses the default HTTP Migration Status Contributor
708 #
709 # Default: <empty>
710 #
711 # This property can be overridden with the Source config with key statusContributor.
712 # com.openexchange.omf.worker.migration.status.contributor=
713
714 # Configure the HTTP Migration Status Contributor URL. This is only used if
715 # com.openexchange.omf.worker.migration.status.contributor=http (or equivalent Source
716 # config)
717 #
718 # Default: <empty>
719 #
720 # This property can be overridden with the Source config with key statusURL.
721 # com.openexchange.omf.worker.migration.status.url=
722
723 # Configure the HTTP Migration Status Contributor HTTP API Key Header. This is only used
724 # if
725 # com.openexchange.omf.worker.migration.status.contributor=http (or equivalent Source
726 # config)
727 #
728 # Default: X-API-KEY
729 #
730 # This property can be overridden with the Source config with key apiKeyHeader.
731 # com.openexchange.omf.worker.migration.status.apikey.header=
732
733 # Configure the HTTP Migration Status Contributor HTTP API Key Token. This is only used if
734 # com.openexchange.omf.worker.migration.status.contributor=http (or equivalent Source
735 # config)
736 #
737 # Default: <empty>
738 #
739 # This property can be overridden with the Source config with key apiKeyToken.
740 # com.openexchange.omf.worker.migration.status.apikey.token=
```

File 5 /opt/open-xchange/etc/omf-feature-mapping.yml

```

1  # Permission and Configuration Cascade migration rules.
2  #
3  # defaultMappings are mandatory but may be empty.
4  # Optionally, per-target mappings or per-targetBrandName can be defined.
5  # Those inherit from the default mappings.
6  #
7  version: 2
8  defaultMappings:
9    # default rules apply to all targets and brands
10   permissionMappings:
11     # applied to each user:
12     # * permissionname: action
13     #   action := on/off
14     #   off := turn it off whether it was set or not
15     #   on := turn it on whether it was set or not
16     # * if not specified, keep as is.
17     #
18     # * all valid permission names:
19     #   webmail: on/off
20     #   calendar: on/off
21     #   contacts: on/off
22     #   tasks: on/off
23     #   infostore: on/off
24     #   projects: on/off
25     #   forum: on/off
26     #   pinboard_write_access: on/off
27     #   webdav_xml: on/off
28     #   webdav: on/off
29     #   ical: on/off
30     #   vcard: on/off
31     #   rss_bookmarks: on/off
32     #   rss_portal: on/off
33     #   mobility: on/off
34     #   edit_public_folders: on/off
35     #   read_create_shared_folders: on/off
36     #   delegate_tasks: on/off
37     #   edit_group: on/off
38     #   edit_resource: on/off
39     #   edit_password: on/off
40     #   collect_email_addresses: on/off
41     #   multiple_mail_accounts: on/off
42     #   subscription: on/off
43     #   publication: on/off
44     #   active_sync: on/off
45     #   usm: on/off
46     #   olox20: on/off
47     #   denied_portal: on/off
48     #   caldav: on/off
49     #   carddav: on/off
50   configCascadeMappings:
51     # applied to each context and user:
52     # * redList and greenList are mutually exclusive; use one or the other, but not both
53     # redList:
54     #   # drop the capabilities that are mentioned below:
55     #   - config/com.openexchange.subscribe.crawler.yahoo.com
56     #   - config/com.openexchange.subscribe.socialplugin.yahoo
57     #   - config/com.openexchange.subscribe.socialplugin.msn
58     # key/values that should be added if not present can be specified using the keywords
59     # - addAllList      := key/values that must be added to contexts and users
60     # - addUserList    :=                  only added to users
61     # - addContextList :=                  only added to contexts
62     # NOTE:
63     # * values already present will be overridden with the values provided here
64     # * adding the same key/value to users and contexts usually makes no sense,
65     #   since it is redundant information
66     # addAllList:
67     #   taxonomy/all: blue
68     #   taxonomy/numbers: 12345512342423423423
69     #   taxonomy/string: "Text"
70     # addUserList:

```

```
71 # config/com.openexchange.unifiedquota.enabled: true
72 # config/com.openexchange.myfeature.enabled: false
73 # addContextList:
74 # config/com.openexchange.subscribe.socialplugin.tiktak: false
75 # config/com.openexchange.subscribe.socialplugin.knockknock: false
76
77 # Some more mappings.
78 # Those inherit the mappings from the defaultMappings.
79 # NOTE: however, since red- and greenLists are mutually exclusive and thus cannot be used
80 # at the same time, for inheritance that means that greenList items replace all
    redList
81 # items from the parent mappings and vice-versa
82 #
83 # anotherMappings:
84 #   appliesToTargetName:
85 #     - target1
86 #     - target2
87 #   permissionMappings:
88 #     calendar: on
89 #   configCascadeMappings:
90 #     # the greenList defined here overrides and suppresses the redList
91 #     # that is defined in defaultMappings
92 #     greenList:
93 #       # only migrate settings listed below
94 #       - config/com.openexchange.cloudplugins.unifiedquota
95 #       - config/com.openexchange.capability.drive
96 #     # add one additional key/value to contexts
97 #     addContextList:
98 #       custom/fancy//option: "1337"
99 #
100 # # targetBrandName rules inherit from default mappings as well
101 # evenMoreMappings:
102 #   appliesToTargetBrandName:
103 #     - targetBrand1
104 #     - targetBrand2
105 #   permissionMappings:
106 #     edit_resource: on
107 #   configCascadeMappings:
108 #     # the greenList defined here overrides and suppresses the redList
109 #     # that is defined in defaultMappings
110 #     greenList:
111 #       # only migrate settings listed below
112 #       - config/com.openexchange.cloudplugins.foo
113 #
114 # # some more targetBrandName rules
115 # yetAnotherMappings:
116 #   appliesToTargetBrandName:
117 #     - targetBrand3
118 #     - targetBrand4
119 #   permissionMappings:
120 #     edit_group: off
121 #   configCascadeMappings:
122 #     # Augments the redList defined in defaultMappings with additional
123 #     # redlisted capabilities:
124 #     redList:
125 #       - config/com.openexchange.subscribe.socialplugin.google
126 #
127 # # target- and brandname rules can be combined as well
128 # targetAndBrandCombined:
129 #   appliesToTargetBrandName:
130 #     - targetBrand10
131 #     - targetBrand20
132 #   appliesToTargetName:
133 #     - target10
134 #     - target20
135 #   permissionMappings:
136 #     multiple_mail_accounts: on
137 #   configCascadeMappings:
138 #     # Augments the redList defined in defaultMappings with additional
139 #     # redlisted capabilities:
140 #     redList:
141 #       - config/com.openexchange.subscribe.socialplugin.google
```



```

142 #
143 # noPermission:
144 #   appliesToTargetBrandName:
145 #     - targetBrand10
146 #     - targetBrand20
147 #   appliesToTargetName:
148 #     - target10
149 #     - target20
150 #   configCascadeMappings:
151 #     # Augments the redList defined in defaultMappings with additional
152 #     # redlisted capabilities:
153 #     redList:
154 #       - config/com.openexchange.subscribe.socialplugin.google
155 #
156 # noConfig:
157 #   appliesToTargetBrandName:
158 #     - targetBrand10
159 #     - targetBrand20
160 #   appliesToTargetName:
161 #     - target10
162 #     - target20
163 #   permissionMappings:
164 #     multiple_mail_accounts: on

```

File 6 /opt/open-xchange/etc/sql-client.d/omf-client-pools.yaml

```

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 omf-migration:
24   # This property directs HikariCP to use "DriverManager-based" configuration.
25   # We feel that DataSource-based configuration (above) is superior for a variety of
26   # reasons (see below), but for many deployments there is little significant difference
27   #
28   # When using this property with "old" drivers, you may also need to set the
29   # driverClassName property, but try it first without.
30   # Note that if this property is used, you may still use DataSource properties to
31   # configure your driver and is in fact recommended over driver parameters specified in
32   # the URL itself.
33   # Default: none
34   jdbcUrl: ${com.openexchange.omf.worker.sql.migration.url}
35   # This property sets the default authentication username used when obtaining Connections
36   # from the underlying driver.
37   # Note that for DataSources this works in a very deterministic fashion by calling
38   # DataSource.getConnection(*username*, password) on the underlying DataSource.
39   # However, for Driver-based configurations, every driver is different.
40   # In the case of Driver-based, HikariCP will use this username property to set a user
41   # property in the Properties passed to the driver's DriverManager.getConnection(
42   #   jdbcUrl, props) call.

```

```
34 # If this is not what you need, skip this method entirely and call addDataSourceProperty
    ("username", ...), for example.
35 # Default: none
36 username: ${com.openexchange.omf.worker.sql.migration.user}
37 # sets the password of the connection
38 password: ${com.openexchange.omf.worker.sql.migration.password}
39 # This property controls the minimum number of idle connections that HikariCP tries to
    maintain in the pool.
40 # 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.
41 # 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.
42 # Default: same as maximumPoolSize
43 minimumIdle: 0
44 # This property controls the maximum size that the pool is allowed to reach, including
    both idle and in-use connections.
45 # 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.
46 # 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.
47 # Default: 10
48 maximumPoolSize: 10
49 # This property controls the maximum number of milliseconds that a client
50 # (that's you) will wait for a connection from the pool. If this time is exceeded
51 # without a connection becoming available, a SQLException will be thrown. Lowest
52 # acceptable connection timeout is 250 ms. Default: 30000 (30 seconds)
53 connectionTimeout: 15000
54 # the dataSourceProperties configures the driver configured above using the jdbcUrl
55 # (some) networking related parameters don't seem to work using mysql (what we are using
    ), see
56 # https://github.com/brettwooldridge/HikariCP#popular-datasource-class-names
57 dataSourceProperties:
58   useUnicode: true
59   characterEncoding: UTF-8
60   useTimezone: true
61   serverTimezone: UTC
62   useSSL: false
63   requireSSL: false
64   verifyServerCertificate: false
65   enabledTLSProtocols: TLSv1,TLSv1.1,TLSv1.2
```