

Open-Xchange OX6 Installation and Administration



Open-XchangeTM OX6 : Installation and Administration

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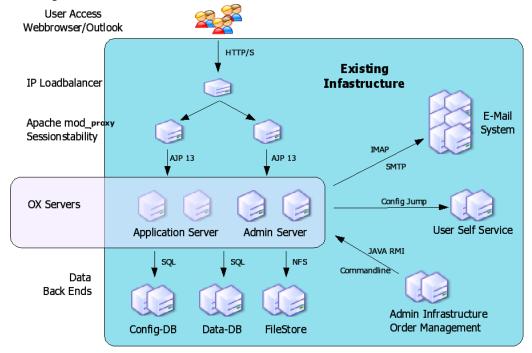


Chapter 1. Open Xchange installation

This chapter describes the initial setup and configuration of the Open-Xchange services. Basically there are four types of machines which need to be installed/available as well as an additional service (more information can be found in the Architecture Whitepaper on the Open-Xchange website):

- Frontend Server that runs the Apache webserver and forwards the user requests to the application servers.
- Application Server which runs the Open-Xchange application itself
- Database Server that runs the MySQL database or databases
- Administration Server that is accessed through the RMI, SOAP or CLT interface for provisioning
- Filestore Service which holds the storage space for the FileStore that needs to be available on all machines

These services can be installed together on one machine, distributed over several machines or in high end environments, clustered over several clusters.



The basic procedure is to first install the Debian operating system on the servers including the necessary packages like Apache, mod_proxy, MySQL, depending on the type. Then, after installing the Open-Xchange packages, the basic configuration for Open-Xchange has to be done and the initial database schema has to be created. This enables the Open-Xchange application to access the necessary data on the relevant subsystems.





During the Debian installation, select the additional packages "Web Server and SQL Database". Additionally, you need to make sure that SUN Java 5 is installed on your systems. Depending on the Debian version you can install Java through the inclusion of the "non-free" repository from the installation sources.

Detailed information about the setup of each machine type will be described in the next section.

1.1. Software Packages and Platform Installation

The following Open-Xchange packages are to be installed on the relevant machines. If one server will e. g. act as frontend server and as application server, all packages for both server types are needed.

1.1.1. Shared Packages

Shared packages contain common functions and libraries that are used by the application and the administration server. They need to be installed on all machines which are to serve one or both services. Of course all dependencies for the packages have to be resolved.

• open-xchange-common_<version>_all.deb

1.1.2. Groupware/Application Server

These Open-Xchange packages are needed on all machines which are to be used as groupware/application server.

- open-xchange-sessiond_<version>_all.deb
- open-xchange-i18n_<version>_all.deb
- open-xchange-management_<version>_all.deb
- open-xchange-server_<version>_all.deb
- open-xchange-configread_<version>_all.deb
- open-xchange_<version>_all.deb
- open-xchange-jcharset_<version>_all.deb
- open-xchange-monitoring_<version>_all.deb
- open-xchange-control_<version>_all.deb
- open-xchange-charset_<version>_all.deb
- open-xchange-global_<version>_all.deb
- open-xchange-cache_<version>_all.deb
- open-xchange-push-udp_<version>_all.deb
- open-xchange-smtp_<version>_all.deb



- open-xchange-settings-extensions_<version>_all.deb
- open-xchange-contactcollector_<version>_all.deb

Plugins for the Groupware/Application Server

These plugins can be installed to get additional functionality for the application server. Services for authentication (e.g. open-xchange-authentication-database) and mail backend (e.g. open-xchange-imap) are needed so that users can log in and access their mailbox.

• open-xchange-configjump-generic_<version>_all.deb

This plugin generates the link for customers when they click on the Extras link in the GUI settings tree.

• open-xchange-authentication-database_<version>_all.deb

This plugin does the user authentication against the password stored in the open-xchange database.

open-xchange-authentication-ldap_<version>_all.deb

This plugin does the user authentication against an external ldap server.

open-xchange-authentication-imap_<version>_all.deb

This plugin does the user authentication against an external imap server.

• open-xchange-axis2_<version>_all.deb

This plugin provides the backend for the SOAP interface to the admin daemon RMI interface.

• open-xchange-admin-soap_<version>_all.deb

This plugin provides the SOAP interface to the admin daemon RMI interface.

• open-xchange-imap_<version>_all.deb

This plugin provides IMAP functionality so that users can access their IMAP mailbox.

open-xchange-spamhandler-default_<version>_all.deb

This plugin provides basic spam functionality.

open-xchange-spamhandler-spamassassin_<version>_all.deb

This plugin provides spam functionality for spamassassin.

open-xchange-mailfilter_<version>_all.deb

This plugin provides access to backends that talk managed sieve.

open-xchange-group-managerequest_<version>_all.deb

This plugin adds functionality to enable users to manage groups within the GUI settings tree.



• open-xchange-resource-managerequest_<version>_all.deb

This plugin adds functionality to enable users to manage resources within the GUI settings tree.

open-xchange-commons-logging-log4j_<version>_all.deb

This plugin adds support for log4j so that open-xchange logs through syslog; depends on package open-xchange-log4j

• open-xchange-log4j_<version>_all.deb

This plugin adds support for log4j so that open-xchange logs through syslog; depends on package open-xchange-commons-logging-log4j

open-xchange-passwordchange-database_<version>_all.deb

This plugin adds functionality to the passwordchange servlet so that the password can be changed in the open-xchange database.

open-xchange-passwordchange-servlet_<version>_all.deb

This plugin adds functionality so that users can cache their password in the open-xchange settings menu.

1.1.3. Administration Server

These Open-Xchange packages have to be installed on all machines which are to be used as administration server for administration and provisioning.

- open-xchange-admin-client_<version>_all.deb
- open-xchange-admin-plugin-hosting_<version>_all.deb
- open-xchange-admin-plugin-hosting-doc_<version>_all.deb
- open-xchange-admin_<version>_all.deb
- open-xchange-admin-doc_<version>_all.deb
- open-xchange-admin-plugin-contextrestore_<version>_all.deb

1.1.4. Frontend Server

The following packages need to be installed on machines which provide the AJAX GUI frontend to the users.

- open-xchange-online-help-he-en_<version>_all.deb
- open-xchange-online-help-he-de_<version>_all.deb
- open-xchange-online-help-he-fr_<version>_all.deb
- open-xchange-gui_<version>_all.deb



1.2. Software Installation

Below, you will find a summary of the necessary packages for each server type. For the initial installation and configuration, all available Open-XchangeTM packages need to be installed on one single server. This is needed by the configuration scripts in order to set up the configuration files for all services. Later, this configuration can be distributed to the other peers in a clustered setup.

After the installation of the Open-Xchange packages, the administration and provisioning scripts are located in the */opt/open-xchange/sbin/* directory and the configuration files in */opt/open-xchange/etc/*.

1.2.1. Application Server

Packages to be installed on all application servers:

- Groupware Service Packages
- Shared Packages
- MySQL 5 Client Packages
- Java 5 Packages
- Additional Plugins

1.2.2. Administration Server

Packages to be installed on all administration and provisioning servers:

- Administration Service Packages
- Groupware Packages
- Shared Packages
- MySQL 5 Client Packages
- Java 5 Packages
- Additional Plugins

1.2.3. Frontend Server

Packages to be installed on all frontend servers (more details about the Apache configuration can be found in a separate chapter)

- Ajax GUI Package
- Apache2
- mod_proxy



1.2.4. Database Server

Packages to be installed on the database servers:

• MySQL 5

1.2.5. JAVA™ version

All Open-Xchange services are written in Java and depend on java[™] version 1.5.0 patchlevel minimum 8.

JAVA[™] needs to be installed on all types of machines, except pure frontend servers.

```
root@oxhet:~# java -version
java version "1.5.0_08"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_08-b03)
Java HotSpot(TM) 64-Bit Server VM (build 1.5.0_08-b03, mixed mode)
```

1.2.6. Installing Open-Xchange Server Language Packages

Where to get the language packages?

The language packages can be found in the i18n subdirectory of the latest OX release on http://software.open-xchange.com. Unsupported languages are available in the Unsupported directory, e.g. SP5/i18n.

How to install?

Download the packages specific to your operating system and install them.

The open-xchange-lang-* packages contain translations for the open-xchange-server package.

The open-xchange-lang and open-xchange-gui-lang-* packages must be installed on a system where the open-xchange-gui package is installed.

How to get access to the supported packages?

You need to purchase a valid license to access these packages. To do so please first read *How to create an OXAccount and unlock Keys within the License Database*: http://sdb.open-xchange.com/node/65

1.3. Initial Setup

1.3.1. Requirements

Plain installed Debian GNU/Linux 4.0 (codename etch) Configured network Latest Open-Xchange packages



1.3.2. Preparations

Install the required packages through a Debian package tool. The required packages are:

apache2 libapache2-mod-proxy (preferred) or libapache2-mod-jk sun-java5-jre mysql-server mysql-client-5.0 mysql-client metapackages (done automatically by apt, when using dpkg to install the openxchange packages, the mysql-client package must be installed manually.)

Starting with this release, the apt repository is signed with the Open-Xchange buildkey and all rpm packages are also signed with this key. In order to install Debian packages, you need to import the key into the apt keyring. Please follow the instructions as documented in

http://www.open-xchange.com/wiki/index.php?title=Importing_OX_Buildkey

Install the packages by executing:

apt-get install apache2 sun-java5-jre mysql-server mysqlclient-5.0

Afterwards, start the mysql service:

/etc/init.d/mysql start

In a cluster setup the mysql server should be on a separate machine.

1.3.3. Initialize the configuration database

First, an initial configuration scheme will be created inside a database. This database will hold pointers to and about contexts, filestores, Open-Xchange servers, database pools for contexts and their relations. This scheme is typically called configdb which should not be changed. The initconfigdb command is used to set up this scheme in the database.

Ensure, that the database process itself is set up correctly, started without errors and listens on a TCP/IP socket before running this script. More details on how to configure the MySQL database can be found in Chapter 5, *MySQL Configuration* the MySQL chapter. The database connection can be tested by issuing the **mysql** command:

Testing the mysql connection

The values in the example have to be replaced to match the target environment. The command needs to be executed on the machines where the Open-Xchange services should run.

root@oxhe:~# mysql -h db1 -u openexchange -P 3306 -p Enter password: Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 800 to server version: 5.0.22-Debian_0ubuntu6.06.3-log

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> create database testdbox; Query OK, 1 row affected (0.00 sec)



mysql> drop database testdbox; Query OK, 0 rows affected (0.00 sec)

mysql> exit Bye

Open-Xchange connects to the database with the user passed to --configdb-user. The user can also be created with the initconfigdb command and the -a switch. This switch only works when the database runs locally on the system and root access is not disabled for the database. When the database runs on a remote host, the user has to be created manually before running the script. The user is used by the applications to access and create the configuration database (configdb). It is important to also pass this user to the oxinstaller command later, to ensure that the credentials are written to the configuration files so that all applications are able to access this database schema. In the following examples, the user is named openexchange.

The machine passed to the parameter **--configdb-host** is the machine/cluster where the MySQL server dedicated for the configdb is installed.

More details about initconfigdb can be found in the CLT reference chapter.

Example 1.1. initconfigdb

Warning: the database schema given to the initconfigdb command (default configdb) will be deleted prior to its creation.

root@oxhe:~# /opt/open-xchange/sbin/initconfigdb --configdb-pass=secret initializing configdb from scratch... done

1.3.4. Initial Configuration

The next step is to initially set up the Open-Xchange daemon. Before starting any service, all basic configuration files need to be set up correctly. Provide the appropriate parameters when running the oxinstaller command. Be sure to use a generic --servername, since all Open-Xchange servers must have the same name in a cluster setup. In detail i. e., --servername should not be a machine/DNS name as it is an OX internal name used to identify OX systems.

When authentication is not disabled, the "master admin" user is used to authenticate against the administration daemon to create, modify, and delete contexts. The default name of this admin is oxadminmaster and it is recommended not to change the name. The password for this user is set by the --master-pass option.

More details about oxinstaller can be found in the CLT reference chapter.

Example 1.2. oxinstaller

root@oxhe:/home/admin# /opt/open-xchange/sbin/oxinstaller --servername=oxapp \
--configdb-pass=secret --master-pass=mypw
setting up groupware configuration /opt/open-xchange/etc/groupware

setting up admin daemon configuration /opt/open-xchange/etc/admindaemon

*** RMI authentication is enabled

using oxadminmaster as master account groupware and admin configuration done admin daemon must now be restarted if already running



1.3.5. Initial Registration of Objects in the Configuration Database

This chapter describes the initialization of the Open-Xchange data storages, databases and filestore. Additionally, all services will be registered and configured to work smoothly together. At the end of this chapter the OX applications will be up and running. After finishing these steps, some other services like Apache need to be configured as well to access the Open-Xchange groupware as user.

Now the Open-Xchange administration daemon will be initially started and the application server (supplied as servername to the oxinstaller command) needs to be registered in the configuration database as well as the first filestore. This is necessary to allow all services to find the right connections and the stored files on disk. The registerserver and the registerfilestore commands will perform these steps.

There are different possibilities to distribute the data from different customers into separated logical database schemas as well as into separated database clusters on separate hardware. This distribution is done automatically through the administration daemon when adding a new customer to the system. To allow the administration daemon to do this, those databases need to be registered in the system (configuration database). This is done with the command **registerdatabase**.

The examples in this documentation are based on the most trivial installation, where everything is installed on the same machine.

When these steps are done the groupware service is to be started and customer objects can be created.

Configdb and contextdb can be deployed on the same machine to save hardware costs or can be installed on different clusters to achieve a higher scalability.

Example 1.3. Starting the Administration Daemon

root@oxhe:~# /etc/init.d/open-xchange-admin start Starting Open-Xchange Admin Daemon: open-xchange-admin.

Example 1.4. registerserver

root@oxhe:~# /opt/open-xchange/sbin/registerserver -n oxapp -A oxadminmaster \ -P mypw server 10 registered

Create a local directory that can be used as Open-Xchange filestore.

To do so execute

mkdir data/filestores/fs1

chown open-xchange:open-xchange /var/opt/open-xchange-filestore-1



Example 1.5. registerfilestore

The groupware application needs write access to the toplevel filestore directory. This directory needs to be mounted on all application servers and be accessible under the same path. The share needs to have at least one subdirectory. Please ensure, that the user who is running the application server has sufficient rights. Typically, this is the **open-xchange** USER.

root@oxhe:~# /opt/open-xchange/sbin/registerfilestore -A oxadminmaster -P mypw \ -t file:///var/opt/open-xchange-filestore-1/fs1 -s 10000 -x 50000 filestore 11 registered

Example 1.6. registerdatabase

--dbuser is the user which will be used by the groupware applications to access the created database. --maxunit gives the maximum number of contexts (customers) to insert into one database schema. When this limit is reached, the administration deamon tries to create the new customer on other registered databases. If there are none free, an error gets thrown.

root@oxhe:~# /opt/open-xchange/sbin/registerdatabase -A oxadminmaster -P mypw \ -n "database22" -p secret -m true -l true -o 0 -a 10 database 12 registered

Example 1.7. Starting the Groupware Daemon

root@oxhe:~# /etc/init.d/open-xchange-groupware start Starting Open-Xchange Groupware: open-xchange-groupware.

1.4. Network configuration

The Open-Xchange software relies on a working network setup and needs to have some special configuration.

1.4.1. hosts file:

The own host name must be added to /etc/hosts so that the Java RMI clients can connect to the server, e.g.:

10.0.0.1 app1 app1.example.com



It is recommended to have a dns caching client installed or all servers added to local hosts files so that DNS problems do not affect the operation of the whole system.

1.4.2. routing:

Most open-xchange caches (*.ccf files) and the push service have an internal automatic configuration so they can find each other in clustered setups. This service is based on IP multicast. According to the configured multicast address, a route needs to be added to the linux kernel routing table, e.g.:

route add 224.0.0.0 netmask 240.0.0.0 dev eth0



1.4.3. port forwarding:

The Open-Xchange Oxtender (MS Outlook PlugIn) has PUSH functionality. For this feature to work, the PlugIn needs to be able to send and receive UDP packages directly to and from the configured port (default 44335) on the groupware server. So if there are GUI servers or load balancers in front of the groupware server, those machines need to forward those packages to the groupware hosts. To make the Open-Xchange groupware process able to send UDP packages back with the IP of the frontends, this IP has to be added as virtual IP.



It is required to have no firewall between Open-Xchange servers in clustered setups.

1.5. Webserver Configuration

This chapter describes the webserver configuration the Open-Xchange[™] services depend on. In order to get web access to the Open-Xchange system, the web server has to be set up.

1.5.1. Apache Modules

Additionally, it is strongly recommended to use the following Apache modules to make the communication as efficient as possible.

- mod_deflate is used to compress the data between the web browsers and the Open-Xchange front-end servers to minimize the transferred data.
- mod_expires is used to enforce strong caching in the browser to avoid unnecessary requests for already retrieved files. This is extremely important when using the Internet Explorer.
- headers
- mod_ssl is used to allow secure encrypted access to the system (https).

Those modules are activated by generating links from mods-enabled to the corresponding files in mods-available.

```
root@oxhe:/etc/apache2/mods-enabled# ls -l
total 0
[...] deflate.load -> /etc/apache2/mods-available/deflate.load
[...] expires.load -> /etc/apache2/mods-available/expires.load
[...] headers.load -> /etc/apache2/mods-available/headers.load
[...] ssl.conf -> /etc/apache2/mods-available/ssl.conf
[...] ssl.load -> /etc/apache2/mods-available/ssl.load
[...] proxy.load -> ../mods-available/proxy.load
[...] proxy_balancer.load -> ../mods-available/proxy_balancer.load
```

On a typical installation it is necessary to create the links for **deflate.load** and **expires.load**. The file **deflate.conf** should not be linked, as the configuration is done in another place.



1.5.2. Configuration Files

\$apacheconfdir/conf.d/ox.conf

This file is provided as example in the Open-Xchange packages and needs to be adapted in some cases. If it is not available, make sure to create the file according to the following example. This example would require two open-xchange application servers to run on hosts **ox1** and **ox2**.

<IfModule mod_proxy_ajp.c> <Proxy /ajax> AddDefaultCharset UTF-8 Order allow, deny Allow from all </Proxy> <Proxy /servlet> AddDefaultCharset UTF-8 Order allow, deny Allow from all </Proxy> <Proxy balancer://oxcluster> BalancerMember ajp://ox1:8009 smax=0 ttl=60 retry=5 loadfactor=50 route=OX-1 BalancerMember ajp://ox2:8009 smax=0 ttl=60 retry=5 loadfactor=50 route=OX-2 </Proxy> ProxyPass /ajax/ balancer://oxcluster/ajax/ stickysession=JSESSIONID ProxyPass /servlet/ balancer://oxcluster/servlet/ stickysession=JSESSIONID </IfModule>

<IfModule mod_deflate.c> # Logging DeflateFilterNote ratio LogFormat '"%r" %b (%{ratio}n) "%{User-agent}i"' deflate CustomLog /var/log/apache2/deflate.log deflate

<Directory /var/www/ox6> AddOutputFilterByType DEFLATE text/html text/plain text/xml text/css \ text/javascript application/x-javascript # Netscape 4.x has some problems... BrowserMatch ^Mozilla/4 gzip-only-text/html

Netscape 4.06-4.08 have some more problems BrowserMatch ^Mozilla/4\.0[678] no-gzip

MSIE masquerades as Netscape, but it is fine BrowserMatch \bMSI[E] !no-gzip !gzip-only-text/html

Make sure proxies don't deliver the wrong content #Header append Vary User-Agent env=!dont-vary

AddDefaultCharset UTF-8 AddCharset UTF-8 .js </Directory> </IfModule>

\$apacheconfdir/sites-available/ox-he-ssl

The file must be enabled after creation using the command a2ensite ox-he-ssl



NameVirtualHost *:443 <VirtualHost *:443> ServerAdmin webmaster@localhost DocumentRoot /var/www/ox6 DirectoryIndex index.html index.cgi index.pl index.php index.xhtml ox.html <Directory /> Options FollowSymLinks AllowOverride None </Directory> <Directory /var/www/ox6> Options Indexes FollowSymLinks MultiViews AllowOverride None Order allow, deny allow from all # Uncomment this directive is you want to see apache2's # default start page (in /apache2-default) when you go to / #RedirectMatch ^/\$ /apache2-default/ </Directory> ScriptAlias /cgi-bin/ /usr/lib/cgi-bin/ <Directory "/usr/lib/cgi-bin"> AllowOverride None Options +ExecCGI -MultiViews +SymLinksIfOwnerMatch Order allow, deny Allow from all </Directory> #EXPIRE ExpiresActive On ExpiresByType image/gif "access plus 23 hours" ExpiresByType image/png "access plus 23 hours" ExpiresByType image/jpg "access plus 23 hours" ExpiresByType image/jpeg "access plus 23 hours" ExpiresByType text/javascript "access plus 23 hours" ExpiresByType text/css "access plus 23 hours" ExpiresByType text/html "access plus 23 hours" ExpiresByType application/x-javascript "acces plus 23 hours" <Files ~ "\.(js | css | gif | jpe?g | png)\$"> Header append Cache-Control "public" </Files> # SSL Protocol Adjustments # needs to be removed from mods-available/ssl.conf SetEnvIf User-Agent ".*MSIE [0-6] \...*" \ nokeepalive ssl-unclean-shutdown \ downgrade-1.0 force-response-1.0 ErrorLog /var/log/apache2/error.log # Possible values include: debug, info, notice, warn, error, crit, # alert, emerg. LogLevel warn CustomLog /var/log/apache2/access.log combined ServerSignature On SSLEngine On SSLCertificateFile /etc/ssl/certs/yourcert.pem SSLCertificateKeyFile /etc/ssl/private/yourkey.pem

</VirtualHost>



\$apacheconfdir/mods-available/ssl.conf

Any **SetEnvIf** statement for MSIE needs to be removed if applicable. For this a new statement is added to the ssl vhost section above. This improves IE7 performance and IE6 performance when ssl is not in use.

Comment the following part in /etc/apache2/mods-enabled/proxy.conf

#<Proxy *>
AddDefaultCharset off
Order deny,allow
Deny from all
Allow from .example.com
#</Proxv>

1.6. Creating your first context and users

Now that the whole setup is completed and you already should get a login screen when opening the server IP in the browser, we have to set up a context and a default user.

1.6.1. Create a context

/opt/open-xchange/sbin/createcontext -A oxadminmaster -P secret -c 1 -u oxadmin \ -d "Context Admin" -g Admin -s User -p secret -e oxadmin@example.com \ -q 1024 -L defaultcontext --access-combination-name=all

The mapping defaultcontext will allow you to set this context as default one of the entire system, so that users which will be created within this context can log in to the groupware without specifying their domain in the login screen. Note that only one context can be the default context. The user that will be created with this call (oxadmin) is the default admin of this context. He will gather additional functions that are also described in the administration manual. Also note that the context id has to be unique and numeric, otherwise the server will complain when you try to create a context.

1.6.2. Create a user

/opt/open-xchange/sbin/createuser -c 1 -A oxadmin -P secret -u testuser -d "Test User" \ -g Test -s User -p secret -e testuser@example.com

Now connect to the server with a browser and log in with testuser / secret.

1.7. Imap and smtp server

The Open-Xchange server is designed to connect to the existing imap and smtp server. This configuration can be set up globally for all users in a configuration file or separately for each user. The configuration file "mail.properties" is described in detail in the Configuration Options chapter. In this file the required behaviour can be set. Important configurations are:



 User setting for IMAP and SMTP is written to the database and set by the user functions through RMI or on the command line. The command line options for create/changeuser are:

--imapserver
 --imaplogin
 --smtpserver

• The "imapCredSrc" parameter specifies the credentials to be used for authentication against the SMTP and IMAP server:

"session" password and open-xchange username given on login "user.imapLogin" password from login and username from "--imaplogin"

1.8. Authentication

The "login implementation" is a plugin which is used for user authentication. This can be a self-developed plugin that authenticates against an existing authorisation or a shipped one. Open-Xchange delivers packages for authentication against the database, ldap and IMAP. Choose one from the section called "Plugins for the Groupware/Application Server". This plugin also controls which part of the login is the username or the context name. It also controls the separator in between, default is "@".

Example 1.8. Plugin description

http://wiki.open-xchange.com/wiki/index.php?title=Authentication_Plugin_description

1.9. User self service

The "config jump" is a plugin that creates the URL which is opened in a separate window when a user clicks on "Extras" in the configuration tree of the user frontend. Choose the **open-xchange-configjump-generic_<version>_all.deb** plugin. If you do not choose this package there will be no link available in the groupware.



Chapter 2. OSGi

2.1. OSGi - an overview

OSGi is a dynamic module system for Java. The OSGi framework provides a plugin concept on top of a service-oriented architectures to enhance the Java technology to be more modular and dynamic. Dynamic means that components can be managed at runtime. Components in OSGi can provide a feature or function (service provider) or use other components and their services (service requester). To search and find services, OSGi provides a service registry.

A good analogy for a better understanding is this one: Java without OSGi behaves like Windows 95 where a change in the system requires a complete restart of the kernel (in the Java world so called Java VM). With OSGi it is more like the Linux kernel modules concept, modules can be added and removed at runtime. Modules in the OSGi world are called bundles. A bundle contains the service providers or requesters A bundle from the Java perspective is at least one class or interface with an additional information file called "MANIFEST.MF". A bundle is associated with several activities like installation, removal, update, starting and stopping.

Interesting to know is that each bundle describes dependencies to other bundles and the offered services. With OSGi it can be possible to run different versions of the same bundle providing the same services. This can be used for interesting scenarios if you think about backwards compatibility and legacy systems. At runtime, it is possible to explore the installed bundles and view details like version numbers and other useful information. In addition, it is possible to start and stop bundles at runtime if for example a newer version is available. This very interesting feature can also be used to replace a bundle at runtime with a special debug bundle, a testing bundle or even a downgrade bundle because an issue occurred in a specific function. Admins can decide which bundles fit best into their environment and start only those bundles.

In short here are some advantages of the OSGi technology:

Module boundaries	Clean and protected dependencies and declaration of service offerings
Service-oriented architecture	Start/stop bundles to provide features and functions in a live environment
Versioning	Same bundles can be started with different versions
Transparency	It is possible to list all available/installed bundles and view version and other useful information
Modularization/Flexibility	Start and run only those packages your system needs



Chapter 3. HTML Whitelist

An HTML Whitelist is a configuration file that defines allowed HTML tags and their attribute names or values. All tags and attributes that are not listed in this file have to be removed to filter dangerous HTML content.

3.1. HTML Whitelist Configuration

The HTML whitelist is defined in the 'whitelist.properties' configuration file. This file is divided in three sections:

HTML tags and attributes CSS name/value pairs CSS combi map

3.1.1. HTML Tags and Attributes

This section includes the allowed HTML tags and attributes. Each entry is preceded by "html.tag.", followed by the name of the allowed tag. The attributes form a comma-separated, quoted list. The attributes can be followed by their allowed values. The values are put in square brackets and separated by ':'. Example:

html.tag.area=",alt,coords,href,nohref[nohref],shape[:rect:circle:poly:default:],tabindex,target,"

This entry allows the "area" tag. The attributes are listed within the quoatation marks. The allowed values for the "shape" attribute are listed within the square brackets. If the attributes list contains empty brackets, only numeric values are allowed:

html.tag.pre=",width[],"

If the attributes list is empty, only the HTML tag without any attributes is allowed:

html.tag.span=""

3.1.2. CSS Name/Value Pairs

Analogous to the HTML tags and attributes, this section includes allowed CSS elements with their allowed values. Each entry is preceded by "html.style.", followed by the name of the CSS element. Allowed values are defined in a comma-separated, quoted list.

For the values it is possible to use wildcards that comprise certain value types:

c: Any CSS color value u: An URL; e. g. url(http://www.somewhere.com/myimage.jpg); n: Any CSS number value without '%' N: Any CSS number value *: Any value allowed d: delete t: time

Example:

html.style.background-color="c,transparent,"



This allows the CSS element "background-color". For this element any CSS clor values and the value "transparent" are allowed. Wildcards precede the list and are not comma-separated:

="uNc,scroll,fixed,...."

3.1.3. CSS Combi Map

The second section of CSS Name/Value Pairs allows entries with an empty value list:

html.style.border=""

Such entries refer to the CSS combi map i. e., the respective CSS element configuration is included in the CSS combi map:

html.style.combimap.border="Nc,transparent,none,hidden,dotted,dashed,solid,double,groove,ridge,in-set,outset,separate,collapse,"

Entries in the combi map are preceded with "html.style.combimap.", followed by the respective CSS element. Analogous to the latter section, the element is followed by the value listing.



Chapter 4. Spam Handler

A spam handler is a dedicated service within the Open-Xchange Server's Osgi framework. Spam E-Mails are treated in a special way by this handler.

The spam handling is triggered whenever a user explicitly marks an E-Mail as spam. The ham handling is activated if the user marks an E-Mail in his spam E-Mail folder as 'No Spam'.

On the Open-Xchange Server there are several ways of implementing this service. For this purpose several spam handlers are registered with the OSGi framework under a special registration name. The registration name "NoSpamHandler" is reserved for an empty SpamHandler implementation that is used as a fallback.

4.1. Spam Handler Configuration

Every E-Mail implementation includes the registration name of the SpamHandler that is used in the E-Mail implementation. If no SpamHandler is used, "NoSpamHandler" is entered. The registration name configuration of a suitable spam handler depends on the respective E-Mail implementation. The IMAP implementation e. g. activates the spam handler via the 'com.openexchange.imap.spamHandler' entry in the 'imap.properties' properties file.

To make a Spam handler available for a special user the respective E-Mail implementation has to define a spam handler and the spam functionality explicitly has to be activated in the user's E-Mail settings.

Depending on the spam filter a dedicated spam handler has to be installed. The SpamAssassin spam filter e.g. wraps E-Mails that are recognized as spam in an extra created E-Mail i.e., the spam E-Mail comes as attachment.

Currently, two implementations are available:

DefaultSpamHandler	Assumes that the spam E-Mails are not wrapped and thus moves them without further action.
SpamAssassinSpamHandler	Assumes that the spam E-Mails are attached to the E- Mail. Thus the attachment is extracted and moved.

4.2. Phishing E-Mails

Phishing is an attempt to criminally acquire valuable user data, such as passwords, keys or other information. They often include official-looking logos from real organizations and other identifying information taken directly from legitimate Web sites.

Such E-Mails are different from typical Spam E-Mails as they appear to be legitimate and are thus difficult to recognize with normal Spam rules. An E-Mail's header and content needs to be checked thoroughly to find out if it is a phishing E-Mail.

Analogously to the Spam handling, certain header entries are used to mark the respective E-Mails as phishing E-Mail. Those header entries are called phishing header in the following paragraph.



4.2.1. Phishing Header Configuration

Which E-Mail header entries indicate a phishing header can be defined in the 'mail.properties' file. The respective property name is 'com.openexchange.mail.phishingHeader'. If there are multiple header identifiers, a comma separated list of header names can be used.

Those header names are made available to the front-end where further actions can be done.

If no header identifier is defined, no E-Mail header entries are seen as phishing header.



Chapter 5. MySQL Configuration

This chapter describes the requirements and the configuration needed to use the MySQL database as database back-end for the Open-Xchange[™] application.

5.1. Software Packages

The following packages need to be installed on all Open-Xchange[™] administration and groupware servers to access the database back-end:

• mysql-client-5.0

5.2. Recommended settings in my.cf

- innodb_flush_log_at_trx_commit=1
- default-table-type=InnoDB
- query_cache_type=1
- innodb_flush_log_at_trx_commit=1

The sql_mode must not be set to ansi.

5.3. Privileges for the Open-Xchange Database Users

It is possible to use different users for read connections and for write connections. Additionally, there can be different users for the **configdb** and for the groupware databases. In the examples a user called **openexchange** is used for both types of connections to the groupware database.

- Users for the write connections need the following permissions: ALL
- Users for the read connections need the following permissions: SELECT

Example 5.1. Grant User Access

The following GRANT statement was used for creating the **openexchange** user for the examples in this document:

oxhe:~# mysql Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 34 Server version: 5.0.32-Debian_7etch1-log Debian etch distribution

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> GRANT ALL PRIVILEGES ON *.* TO 'openexchange'@'%' IDENTIFIED BY 'secret'; Query OK, 0 rows affected (0.00 sec)

mysql>



Chapter 6. IMAP server requirements

This chapter lists requirements that an OX server needs to be fulfilled by an IMAP server.

6.1. IMAP server requirements

The requirements are related and actually bound to an IMAP server's capabilities i.e., the response of the special IMAP command "CAPABILITY": a listing of capabilities that the server supports.

6.1.1. IMAP4 / IMAP4rev1

At least the IMAP server must support the IMAP4/IMAP4rev1 capability in order to allow access and manipulation of E-Mails and remote E-Mail folders, called "mailboxes", as per RFC 2060.

This extension is required by the OX server.

6.1.2. QUOTA

The QUOTA extension (RFC 2087) permits administrative limits on resource usage (quotas) to being set and manipulated through the IMAP protocol.

This extension is required by the OX Server.

6.1.3. NAMESPACE

The NAMESPACE extension (RFC 2342) allows a client to discover the prefixes of namespaces used by a server for personal mailboxes, other users' mailboxes, and shared mailboxes.

This extension is required by the OX Server in order to support public and shared folders to let the E-Mail folders fit into existing OX folder capabilities. Sharing of E-Mail folders is related to following ACL capability.

6.1.4. SORT

The SORT extension defines sorting performed on the IMAP server and is intended to improve performance for IMAP clients which offer sorted views.

This capability is not needed by the OX Server since it is able to sort E-Mails itself. Actually, server-based sorting is the recommended (and faster) way. Unless it is required that E-Mails can be sorted by their (thread) reference, this extension is required by the OX Server. Furthermore, an extended SORT extension must be supported by the IMAP server. The extension is called "THREAD=REFERENCES" in the capability list.

If "THREAD=REFERENCES" is not required, IMAP property "imapSort" must be set to false to let the server do the sorting.

6.1.5. ACL

The ACL extension (RFC 2086) permits access control lists. An access control list is a set of <identifier,rights> pairs. The identifier is a US-ASCII string naming the entity, and rights is a



string listing a (possibly empty) set of alphanumeric characters, each character listing an allowed set of operations.

Some IMAP servers even support a newer ACL extension as per RFC 4314 which defines some more rights and has a different view on the set of operations allowed by the single characters.

Currently, the OX server is designed to work with the older RFC extension but is also able to handle the newer one. Depending on the log level several warnings appear in the log file if a right violation has been detected caused by the newer ACL extension.

This extension is not required by the OX Server and can be completely disabled via IMAP configuration through the property "supportsACL". In consequence to disabling ACL support sharing of folders is not possible any more.

6.1.6. UIDPLUS

The UIDPLUS extension (RFC 2359) provides a set of features intended to reduce the amount of time and resources used by some client operations.

Since corresponding RFC 2359 provides (slower) fall-back approaches to take when the UIDPLUS extension is not supported, the OX Server does not require this extension.

6.2. Tested IMAP servers

A listing of IMAP servers tested against the OX Server.

- 1. 1.Cyrus IMAP4 v2.2.13
- 2. 1.Courier 4.1.1.20060828 (0.53.3)
- 3. 1.Dovecot 1.0.rc15



Chapter 7. Contacts LDAP (GAL)

7.1. Introduction

This document contains descriptions about the contacts-ldap (global address list) server OSGI bundle. This bundle includes contacts from an ldap server (OpenLDAP, Active Directory), as a global address book inside the Open-Xchange folder tree.

7.1.1. Architecture

The contacts-ldap bundle is designed as a bundle for the groupware server and gets installed as a service within the OSGi environment.

7.2. Deliverables

7.2.1. Package description

The package contains the bundle itself and the corresponding example configuration files. The bundle will get installed as a directory below /opt/open-xchange/bundles. The example configuration file can be found in:

/opt/open-xchange/etc/groupware/contacts-ldap/

In detail it consist of the following files:

/opt/open-xchange/etc/groupware/contacts-ldap/111/LDAPglobal1.properties.example /opt/open-xchange/etc/groupware/contacts-ldap/ldap/111/LDAPglobal.properties.example /opt/open-xchange/etc/groupware/contacts-ldap/ldap/mapping.openldap.properties.example /opt/open-xchange/etc/groupware/contacts-ldap/ldap/mapping.ads.properties.example

7.3. Limitations and specials

- The global LDAP folder can be deleted by the administrator of the context, in contrast to the other public folder which cannot. If the folder is deleted the folder will be recreated if the ldap bundle is restarted.
- At the moment the bundle is only able to work with one context, or to be more precise the folder IDs for the LDAP folder must be unique, due to restrictions in the groupware core.
- Exception messages are not internationalized at the moment
- Only simple bind is possible
- LDAP sort is not tested
- LDAP multiple-values not tested with Active Directory
- Only the first value of multiple-values attributes will be used
- Folder names are not internationalized
- Automatic configuration reload on property change is not supported, for a reload the bundle has to be restarted
- LDAP structures from OX5 containing date information (e. g., date of birth) can not be used.



7.4. Installation

The package has to be installed with the package management tool of the distribution. Afterwards the bundle automatically starts during a groupware restart. The settings in the configuration files need to be done before. Wrong settings do cause the bundle to shutdown itself and the reason is to be found in the groupware log file.

7.5. Configuration

As written in the package description section, the bundle has some example configuration files which reside in the /opt/open-xchange/etc/groupware/contacts-ldap. In this section all are explained in more detail. The bundle has no main configuration file, all needed information is gathered from the directory structure. So all directories starting with digits can have to contain a property in the structure written below. The digits itself represent the corresponding context number. So a directory 111 will contain configuration files for the context with id 111.

In this directory the configuration files for the different global LDAP folder per context are stored. The name of the configuration files is not relevant, but it has to be used in the property key as well. The key property therefore matches the following scheme:

com.openexchange.contacts.ldap.context<contextid (number of directory)>.<name of property file without extension>.<property>

So for a scenario were the property file is named test.properties and which resides in the directory 111 the key for the uri property would be:

com. open exchange. contacts. ldap. context 111. test. uri

For your configuration files you can just copy over the example files delivered with this bundle and adjust the property file name part in the keys and the context id.

In those example files all properties are documented, so this text will only shed some light on a few more interesting things.

One of them is the mapping file. Two examples for OpenLDAP and Active Directory are included in the package:

/opt/open-xchange/etc/groupware/contacts-ldap/mapping.openldap.properties.example /opt/open-xchange/etc/groupware/contacts-ldap/mapping.ads.properties.example

The corresponding mapping file to a folder can be selected with the property com.openexchange.contacts.ldap.context<id>.<name of property file>.mappingfile here you only need to give the real filename without any path, the bundle will then search the right one. If you use the example files, please pay attention that you remove the .example extension beforehand.

The mapping file describes how the attributes of a contact in Open-Xchange are mapped to the attributes in the LDAP server. A special attribute is com.openexchange.contacts. ldap.<name of mapping file>.uniqueid. This property can specify an attribute which needs to be unique for all objects in the specified part of the LDAP tree. This is shortly connected to the property com.openexchange.contacts.ldap.context<id>.<name of property file>.memorymapping in the corresponding configuration file. The two are related in the following way:

If there is an attribute in the LDAP that is unique and an integer value in the range $0 - 2^{32}$ then this value can directly be used with Open-Xchange, and the same ids which are in the LDAP directory are used in Open-Xchange for object identification. In this case memorymapping



can be set to false, because there is no need to hold a memorymap between the object identifiers in Open-Xchange and in LDAP. But if the value is an integer out of that range or if it is a unique string, you will have to turn memorymapping on. This way the bundle will create own ids for the contact object by a mapping table which is stored in-memory. The downside of this is that the links in the groupware won't work because the ids will change after a restart of the groupware. Currently this applies to Active Directory, because there seems to be no attribute which fulfills the range requirement.

7.5.1. Configuring distribution lists

The configuration allows to switch between normal contacts, distributionlists or both. This setting is done in com.openexchange.contacts.ldap.context<contextid (number of directory)>.contactTypes.

If distributionlists are enabled by either setting both or distributionlists here, a check of the distributionlists settings (searchfilter_distributionlist, searchScope_distributionlist, baseDN_distributionlist) for correctness must also be made. Special attention should be paid to the searchfilter_distributionlist setting, as this defines what types of objects are distributionslists.

Note: If both, distribution lists and contacts, are enabled they share the same unique ids i. e., the ids have to be unique across distribution lists and contacts. This is independent of the memorymapping setting.

7.5.2. Outlook Support

The Outlook support of the contacts-ldap bundle depends on the underlying LDAP directory server. If ADS is used, it depends on the individual setup whether memory mapping has to be used for generating unique ids (see section below). If memory mapping has to be used the ids will change after a server restart, which will confuse Outlook and lead to duplicates in some scenarios. To omit this, a property com.openexchange.contacts.ldap.context<contextid (number of directory)>.outlook_support can be used to configure outlook_support. If the property is missing or set to false, the support will be disabled and Outlook will only show an empty folder. If set to true the folder will contain the contacts.

Deletion detection

To detect deleted objects in Outlook the directory server must deliver what has been deleted since a timestamp. This information is not available on normal LDAP servers, but on ADS. If an ADS server is used, then and only then the configuration

com.openexchange.contacts.ldap.context<contextid (number of directory)>.ADS_deletion_support

can be enabled.

This will allow Outlook to detect deleted objects. But note that even if this option is enabled the ADS will not provide this information for ever, it is only kept for the following lifetimes:

60 days for forests initially built using Windows 2003 and Windows Server 2003 180 days for forests that were initially built with Windows Server 2003 SP1

So if one Outlook client performs a sync after these time frames it will not detect the object deleted before, because this information cannot be retrieved.



If ADS is used, Outlook will not remove contacts which are removed on the LDAP side, only new contacts are added. To get the actual list with contacts removed, Outlook must be restarted without OXtender and all contacts in the folder must be deleted. After a restart with OXtender a full sync is done, and deleted contacts will not appear any more.

7.5.3. Memorymapping and ADS

If an ADS is running, memorymapping can be disabled if the following precondition is met

Objects are only created on one DC and the objects are only read from this DC.

If this applies, the following settings can be changed in the mapping.ads.properties file:

com.openexchange.contacts.ldap.mapping.ads.uniqueid = sAMAccountName

can be changed to:

com.openexchange.contacts.ldap.mapping.ads.uniqueid = uSNCreated

and

com.openexchange.contacts.ldap.mapping.ads.distributionuid = sAMAccountName

can be changed to:

com.openexchange.contacts.ldap.mapping.ads.distributionuid = uSNCreated

7.5.4. Refresh interval

The example configuration files will get a new value specifying the refresh interval the thread in the background will use to update the cached contacts.

Specify the refresh interval for the cached contacts. If authtype is "anonymous" or "AdminDN" the contacts are cached and refreshed in the background in the interval specified here (given in ms).

com.openexchange.contacts.ldap.context111.LDAPglobal1.refreshinterval=10000

com.openexchange.contacts.ldap.context111.LDAPglobal.refreshinterval=10000

If a value is missing in a configuration file the default value of 10000 will be used.



Chapter 8. Session Migration

8.1. Introduction

Sessions are typically initiated by users via the Webinterface of the Open-Xchange Server, Outlook or mobile devices, every session is bound to one Open-Xchange server until it is terminated. In a clustered Open-Xchange environment, sessions are assigned to one server of the cluster by random algorithms. Since Open-Xchange uses caching via the network all data is available to every user on every server in the cluster. But sessions are still bound to one server and if that server is going to be shut down, users would encounter an error message and are kicked off the cluster. To solve this problem, sessions migration has been introduced with the OSGI implementation of Open-Xchange Server 6 SP4. This feature allows sessions to migrate to another server at the cluster without having any influence to the end user. Typical scenarios where sessions need to be migrated are hardware and software upgrades of the server as well as emergency shutdowns.

The implementation of the session migration is based on a cache which is filled with all sessions of a server if its "sessiond" bundle is shut down. Other groupware servers fetch the sessions from the cache and take over the migrated session. Therefore it is mandatory to shut down the sessiond bundle prior to the server shutdown. Note that it may take some time until all sessions are put to the cache. If a user request collides with the short time where sessions are put to the cache it is possible that the request will fail, but in most cases a user should not mention anything at all.

8.2. Preparation

To enable session migration, the session cache need to be configured, this needs to be done for all Open-Xchange server that should be capable to migrate sessions

\$ vim /opt/open-xchange/etc/groupware/sessioncache.ccf

[...]

```
jcs.auxiliary.SessionLTCP.attributes.TcpListenerPort=58849
jcs.auxiliary.SessionLTCP.attributes.UdpDiscoveryAddr=224.0.0.1
jcs.auxiliary.SessionLTCP.attributes.UdpDiscoveryPort=6789
jcs.auxiliary.SessionLTCP.attributes.UdpDiscoveryEnabled=true
```

In this case Open-Xchange is listening on port 58849 for incoming sessions and discovers other Open-Xchange session caches via UDP multicast on port 6789. Shortly after server startup all servers should connect to the cache. This can be checked by running netstat, this is an example with two Open-Xchange Servers:

OX1:

```
$ netstat -tulpa
tcp6 0 0 *:58849 *:* LISTEN 27449/java
tcp6 0 0 oxhegw01.open-xch:58849 oxhegw02.open-xch:55499 ESTABLISHED27449/java
OX2:
$ netstat -tulpa
```

 tcp6
 0
 0 *:58849
 :
 LISTEN
 11816/java

 tcp6
 0
 oxhegw02.open-xch:55499
 oxhegw01.open-xch:58849
 ESTABLISHED11816/java



Both groupware servers have connected to each other and are ready to accept sessions

8.3. Migration

First, shutdown the sessiond bundle

\$ /opt/open-xchange/sbin/stopbundle com.openexchange.sessiond

Wait some seconds until all sessions are put to the cache, then shutdown the groupware

\$ /etc/init.d/open-xchange-groupware stop

This is what happens to a users session at the webinterface:

GET http://server.ox/ajax/calendar?action=all&columns=1%2C20%2C207&end=1215043200000&folder=25&session=6e3be7938169670c47fa Cookie: JSESSIONID=41165f534d652a3e662d9c44b0b6efd439f310ad.OX-2

OX-2 is the identifier for the second Open-Xchange server at the cluster, now this server is going to be shut down and the user triggers another request

In some cases, requests and session migration collide, an error message is shown but the next request will succeed and does not terminate the user's session:

The required service com.openexchange.sessiond.SessiondService is temporary not available. Please try again later. (SRV-0001,-1021469715-4)

The next request triggered by the user is answered by an Open-Xchange server that has taken over the session.

GET http://server.ox/ajax/calendar?action=all&columns=1%2C20%2C207&end=1215216000000&folder=25&session=6e3be7938169670c47fa Cookie: JSESSIONID=9235ba164ca5ac3119cee006a92e4a574e31c32b.OX-1

The identifier of the server has been set to OX-1 and the user is able to continue working at this server without any interruption.



Chapter 9. Open Xchange CLT reference

This chapter describes the administration tools available in Open-Xchange. Some command line tools start a java vm and directly generate RMI calls to the administration daemon that will make all necessary database operations, others are shell scripts.

9.1. Shell scripts

- generatempasswd
- initconfigdb
- open-xchange-admindaemon
- open-xchange-groupware
- oxinstaller

Command path is "/opt/open-xchange/sbin/"

9.1.1. Shell scripts

generatempasswd

generatempasswd writes a username and a crypted password to the mpasswd file. Against this file the context administrator authentication is done by the groupware server.

Parameters

-h,help	Prints a help text
-A,adminuser <adminuser></adminuser>	Context admin username
-P,adminpass <adminpass></adminpass>	Context Admin password
-f,mpasswdfile <mpasswd file=""></mpasswd>	Path and name of the mpasswd file

Return value

0 on success

>0 on failure

Mandatory parameters

This tool has no mandatory parameters. When no --adminpass parameter is given, the password will be read from the command line. Defaults are:

-A,--adminuser oxadminmaster -f,--file /opt/open-xchange/etc/admindaemon/mpasswd



Command output

On success:

<adminuser> succesfully added to the mpasswd file <file>

On failure:

update/creation of file <file> failed. Error: <reason>

Example 9.1. generatempasswd

```
root@oxhe:~# /opt/open-xchange/sbin/generatempasswd
Enter oxadminmaster password:
oxadminmaster succesfully added to mpasswd file /opt/open-xchange/etc/admindaem
on/mpasswd
root@oxhe:~#
```

initconfigdb

initconfigdb is the tool to initially set up the Open-Xchange configuration database. This database is needed and accessed from all Open-Xchange services and servers.

Parameters

-h,help	Prints a help text
configdb-user	Database user for the Open-Xchange service
configdb-pass	Password for the Open-Xchange database user
configdb-host	Hostname or IP address of the Database
configdb-port	Database port
configdb-dbname	Database schema name for the Open-Xchange configuration database

Return value

0 on success

>0 on failure

Mandatory parameters

Mandatory is --configdb-pass because for those parameters, no default exists. Defaults are:

configdb-user	openexchange
configdb-host	localhost
configdb-port	3306
configdb-dbname	configdb

Command output

On success:

initializing Open-Xchange configuration database <configdb-dbname>... database generated

On failure:

initializing Open-Xchange configuration database <configdb-dbname>... error: <reason>



Example 9.2. configdb

root@oxhe:~# /opt/open-xchange/sbin/initconfigdb --configdb-pass=secret initializing Open-Xchange configuration database configdb... database generated root@oxhe:~#

open-xchange-admindaemon

open-xchange-admindaemon is the start script for the Open-Xchange Admindaemon and is executed from the runlevel script **/etc/init.d/open-xchange-admin**

open-xchange-groupware

open-xchange-groupware is the start script for the Open-Xchange Groupware and is executed from the runlevel script /etc/init.d/open-xchange-admin-groupware

oxinstaller

oxinstaller is the script to initially set up the Open-Xchange configuration files. This basic configuration can then be used to fine tune the installation.

Parameters

-h,help	Prints a help text
servername	Open-Xchange internal server name
imapserver	Mail (IMAP) server in case imaplogintype is config Or global
imapserver	Transport (SMTP) serverin case imaplogintype is config or global
imaplogintype	Used login implementation. Needs to be user, config, global is for debugging purposes
configdb-user	Database user for the Open-Xchange service
configdb-pass	Password for the Open-Xchange database user
configdb-readhost	Hostname or IP address of the Slave Database
configdb-writehost	Hostname or IP address of the Master Database
configdb-dbname	Database schema name for the Open-Xchange configu- ration database
servermemory	Memory for the groupware daemon
adminmemory	Memory for the admin daemon
clt-memory	Memory for the admin command line tools
configdb-readport	Port number of the Slave Database
configdb-writeport	Port of the Master Database
tmpdir-path	Path and directory for temporary files
master-pass	Context admin master password, needed when context- auth is true
master-user	Context admin master name, needed when context-auth is true
jkroute	mod_jk routing name configured in jk configuration
ajp-bind-port	Port where the groupware listens for incomming jk re- quests
imap-credentials	Where to get the imap credentials from



object-link-hostname	Link that is used in server generated emails (directlink in notifications)
extras-link	Link which is opened in a new window if a users clicks on Extras in the GUI
cache-udp-disc-addr	UDP address for the caches and push service auto configuration
cache-udp-disc-port	UDP port for the caches auto configuration
groupware-cache-port	Port where the groupware cache accept invalidation messages from other caches
admin-cache-port	Port where the admin daemon cache accept invalidation messages from other caches
gwsession-cache-port	Port where the groupware session cache accept invalida- tion messages from other caches
ip-of-oxcluster	IP for which customers can access the groupware
push-udp-disc-port	UDP port for the oxtender push service auto configura- tion
push-outlook-port	UDP port where the oxtender registers for the push service
SesssionContTimeout	Timeout for session containers
NRSessionContainers	Number of session containers
maxSession	Maximum numbers of session, 0 for unlimited
DoubleLoginPerm	Allow Users to have more sessions than one at the same time
sessionDefLifeTime	Default session life time
disableauth	Switch to turn off context authentication
add-license= <license-code></license-code>	to override this default option, the optionno-license must be specified

Return value

0 on success

>0 on failure

Mandatory parameters

Mandatory are --servername --configdb-pass because for this parameter, no default exists. Defaults are:

imapserver	localhost
imaplogintype	user
configdb-user	openexchange
configdb-readhost	localhost
configdb-writehost	localhost
configdb-dbname	configdb
servermemory	50
configdb-readport	3306
configdb-writeport	3306
tmpdir-path	/tmp
context-auth	false



Command output

On success:

setting up groupware configuration /opt/open-xchange/etc/groupware

groupware daemon must now be restarted if already running setting up admin daemon configuration /opt/open-xchange/etc/admindaemon

*** RMI authentication is disabled admin daemon must now be restarted if already running

On failure:

Setting up Open-Xchange configuration failed. Error: <reason>

Example 9.3. setting up groupware configuration

rOot@oxhe:~# /opt/open-xchange/sbin/oxinstaller --disableauth --servername=oxapp --configdb-pass=secret setting up groupware configuration /opt/open-xchange/etc/groupware

groupware daemon must now be restarted if already running setting up admin daemon configuration /opt/open-xchange/etc/admindaemon

*** RMI authentication is disabled admin daemon must now be restarted if already running

9.2. RMI calls

- [update, uninstall, stop, start, refresh, list, listall, listservices, shutdown, install]bundle
- [register,unregister,list,listcontextsby,moveconetxt,change]filestore
- [register,unregister,list,listcontextsby,movecontext,change]database
- [register,unregister,list]server
- checkconsistency
- jobcontrol
- contextrestore
- resetversion
- schemasandversions

Command path is "/opt/open-xchange/sbin/"

9.2.1. Bundle handling scripts

Each script support parameters -h <jmx host> -p <jmx port> for defining the host the server is running on and the port it is listening on. Both are by default localhost and 9999.

installbundle

A new bundle can be installed with this script into the running server.

installbundle (-h <jmx host> -p <jmx port>) location



The location must be file URL with complete path:

file:/opt/openexchange/bundles/com.openexchange.control.jar

listbundle

List the installed bundles and their states.

listbundles (-h <jmx host> -p <jmx port>)

listservices

Lists the services provided and used by bundles.

listservices (-h <jmx host> -p <jmx port>)

refreshbundles

Restarts depending bundles if some bundle has been updated.

refreshbundles (-h <jmx host> -p <jmx port>)

shutdown

Starts the OSGi shutdown sequence. Every bundle is stopped and finally the OSGi runtime.

shutdown (-h <jmx host> -p <jmx port>)

startbundle

Start a single bundle.

startbundle (-h <jmx host>) bundle name

The bundle name must be the unique bundle identifier:

com.openexchange.mail.filter

stopbundle

Stops a single bundle.

stopbundle (-h <jmx host> -p <jmx port>) bundle name

The bundle name must be the unique bundle identifier:

com.openexchange.mail.filter



uninstallbundle

Removes a bundle from the running server.

uninstallbundle (-h <jmx host> -p <jmx port>) bundle name

The bundle name must be the unique bundle identifier.

updatebundle

Updates a single bundle.

updatebundle (-h <jmx host> -p <jmx port>) bundlename (autorefresh (true | false) default value is false)

The bundlename must be the unique bundle identifier. If autorefresh is given as true, depending bundles will be restarted.

9.2.2. Filestore management

registerfilestore

registerfilestore is the tool to make a filestore known to the Open-Xchange system. The filestore directory needs to only be accessible when the storage behind is present. It must not be possible to write to the directory when the storage subsystem is not mounted.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-t,storepath <string></string>	Path to store filestore contents in URI format. Example: file:///tmp/filestore
-s,storesize <integer> -x,maxcontexts <integer></integer></integer>	The maximum size of the filestore in MB, default is 1000 The maximum number of contexts that can use this filestore. Default is 5000

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} storepath



Command output

On success:

filestore <fsid> registered

On failure:

filestore could not be registered: <reason from server>

Example 9.4. Mandatory parameters

root@oxhe~# /opt/open-xchange/sbin/registerfilestore -A oxadminmaster -P secret -t file:///tmp/ filestore 34 registered

unregisterfilestore

unregisterfilestore is the tool to remove a filestore from the Open-Xchange system. The filestore must not be used by any contexts for this operation.

Parameters

-h,--help-i,--id <integer>The id of the filestore which should be removed

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} id

Command output

On success:

filestore <fsid> unregistered

On failure:

filestore <fsid> could not be unregistered: <reason from server>

Example 9.5. Mandatory parameters

root@oxhe~# /opt/open-xchange/sbin/unregisterfilestore -A oxadminmaster -P secret --id=5 filestore 5 unregistered



listfilestore

listfilestore is the tool to list all filestores known to the Open-Xchange system.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-s,searchpattern <string></string>	The search pattern which is used for listing
CSV	Format output as csv

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass}

Command output

On success:

id path size reserved used maxctx curctx

On failure:

could not list filestores: <reason from server>

Example 9.6. filestore

......

root@oxhe~# /opt/open-xchange/sbin/listfilestore -A oxadminmaster -P secret						
id path	size reserved	use	ed	max	ctx	curctx
6 /fsmount/fs6	1000	0	0	50	00	0
3 /fsmount/fs3	8388608	200		0	1000) 1

listcontextsbyfilestore

listcontextsbyfilestore is the tool to list all contexts that remain on the given filestore.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
CSV	Format output as csv
-f,filestore <filestore></filestore>	* Target filestore id



Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} filestore

Command output

On success:

cid fid fname enabled qmax qused name Imappings

On failure:

contexts for filestore could not be listed: <reason from server>

Example 9.7. list context for filestore

root@oxhe:/opt/open-xchange/sbin# ./listcontextsbyfilestore -f 3 cid fid fname enabled qmax qused name lmappings 6 3 6_ctx_store true 1000 0 contextname example.de

movecontextfilestore

movecontextfilestore is the tool to move a given context from its current to another filestore

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-c,contextid <string></string>	The id of the context to be moved
-f,filestore <integer></integer>	Target filestore id

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure



Mandatory parameters

{adminuser adminpass} contextid filestore

Command output

On success:

context <contextid> moved to filestore <fsid>

On failure:

context <contextid> could not be moved to filestore <fsid>: <reason from server>

Example 9.8. movefilestorecontext

root@oxhe~# /opt/open-xchange/sbin/movefilestorecontext -A oxadminmaster -P secret -f 9 -c 4711 context 4711 moved to filestore 9

changefilestore

changefilestore is the tool to change attributes of registered filestores.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-i,id <integer></integer>	The id of the filestore which should be changed
-t,storepath <string></string>	Path to store filestore contents in URI format. Example: file:///tmp/filestore
-s,storesize <integer></integer>	The maximum size of the filestore in MB
-x,maxcontexts <integer></integer>	The maximum number of contexts that can use this filestore

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} id and at least one parameter to change

Command output

On success:

filestore <fsid> changed



On failure:

filestore <fsid> could not be changed: <reason from server>

Example 9.9. changefilestore

root@oxhe~# /opt/open-xchange/sbin/changefilestore -A oxadminmaster -P secret --id=35 -s 100000 filestore 35 changed

9.2.3. Database registration management

registerdatabase

registerdatabase is the tool to make a database known to the Open-Xchange system. For all databases, you can define one write (master) and one read (slave) connection. It is also possible to have multiple slaves behind a IP load balancer.

"dbweight" is used to configure the distribution of contexts over all DBMS. For example, a value of 60 would lead to 60% of all contexts to be stored in the DBMS (if the sum of all values is 100). It is also recommended that --OX DB POOL INIT is always set to 0. Be sure the --OX DB POOL MAX does not exceed the max connections configuration option of the MySQL server.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-n,name <name></name>	Name of the database
-H,hostname <hostname></hostname>	Hostname of the server
-u,dbuser <dbuser></dbuser>	Name of the user for the database
-d,dbdriver <dbdriver></dbdriver>	The driver to be used for the database.
-p,dbpasswd <dbpasswd></dbpasswd>	Password for the database
-m,master <true false=""></true>	Set this if the registered database is the master
-M,masterid <masterid></masterid>	If this database is not the master enter the master id here
-w,dbweight <dbweight></dbweight>	The db weight for this database.
-x,maxunit <maxunit></maxunit>	The maximum number of contexts in this database.
-l,poolhardlimit <true false=""></true>	Db pool hardlimit.
-o,poolinitial <poolinitial></poolinitial>	Db pool initial.
-a,poolmax <poolmax></poolmax>	Db pool max.

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure



Mandatory parameters

{adminuser adminpass} name dbpasswd master

Command output

On success:

database <dbid> registered

On failure:

database <dbid> could not be registered: <reason from server>

Example 9.10. Example

root@oxhe~# /opt/open-xchange/sbin/registerdatabase -n db1 -p secret -m true database 12 registered

unregisterdatabase

unregisterdatabase is the tool to remove a database from the Open-Xchange system. If present, the slaves must be unregistered prior to the master.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-i,id <id></id>	The id of the database.
-n,name <name></name>	Name of the database

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} (id or name)

Command output

On success:

database <dbid> unregistered

On failure:

database <dbid> could not be unregistered: <reason from server>



Example 9.11. unregisterdatabase

root@oxhe~# /opt/open-xchange/sbin/unregisterdatabase --id=13 database 13 unregistered

listdatabase

listdatabase is the tool to list all databases registered in the Open-Xchange system.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-s,searchpattern <searchpattern></searchpattern>	Search/List pattern!
CSV	Format output to csv

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass}

Command output

On success:

id name hostname master mid weight maxctx curctx hlimit max inital

On failure:

databases could not be listed: <reason from server>

Example 9.12. listdatabases

 root@oxhe~# /opt/open-xchange/sbin/listdatabases

 id name
 hostname
 master
 mid weight
 maxctx
 curctx
 hlimit
 max inital

 1 DB1
 db1
 true
 0
 100
 843
 true
 100
 0

 2 DB2
 db2
 true
 0
 100
 843
 true
 100
 0

 3 DB3
 db3
 true
 0
 100
 843
 true
 100
 0

 4 DB4
 db4
 true
 0
 100
 843
 true
 100
 0

listcontextsbydatabase

listcontextsbydatabase is the tool to list all contexts that remain on a schema in the given database.



Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
CSV	Format output as csv
-d,database <database></database>	The id of the database.
-n,name <name></name>	Name of the database

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 On success

>0 On failure

Mandatory parameters

{adminuser adminpass} (database or name)

Command output

On success:

cid fid fname enabled qmax qused name Imappings

On failure:

contexts for filestore could not be listed: <reason from server>

Example 9.13. listcontextsbydatabase

root@oxhe:/opt/open-xchange/sbin# ./listcontextsbydatabase --name db1 cid fid fname enabled qmax qused name lmappings 6 3 6_ctx_store true 1000 0 contextname example.de

movedatabasecontext

movedatabasecontext is the tool to move a given context from its current to another database

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-c,contextid <contextid></contextid>	The id of the context
-N,contextname <contextname></contextname>	Context name
-d,database <database></database>	The id of the database.
-n,name <name></name>	Name of the database



Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 On failure

Mandatory parameters

{adminuser adminpass} (contextid or contextname) (database or name)

Command output

On success:

context <contextid> moved to database <dbid>

on failure:

context <contextid> could not be moved to database <dbid>: <reason from server>

Example 9.14. movedatabasecontext

root@oxhe~# /opt/open-xchange/sbin/movedatabasecontext -A oxadminmaster -P secret -d 3 -c 4711 context 4711 moved to database 3

changedatabase

changedatabase is the tool to change attributes of a registered database.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-i,id <id></id>	The id of the database.
-n,name <name></name>	Name of the database
-H,hostname <hostname></hostname>	Hostname of the server
-u,dbuser <dbuser></dbuser>	Name of the user for the database
-d,dbdriver <dbdriver></dbdriver>	The driver to be used for the database
-p,dbpasswd <dbpasswd></dbpasswd>	Password for the database
-w,dbweight <dbweight></dbweight>	The db weight for this database
-x,maxunit <maxunit></maxunit>	The maximum number of contexts in this database
-l,poolhardlimit <true false=""></true>	Db pool hardlimit
-o,poolinitial <poolinitial></poolinitial>	Db pool initial
-a,poolmax <poolmax></poolmax>	Db pool max

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name



-P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} (id or name) and at least one parameter to change

Command output

On success:

database <dbid> changed

On failure:

database <dbid> could not be changed: <reason from server>

Example 9.15. changedatabase

root@oxhe~# /opt/open-xchange/sbin/changedatabase --id=5 -x 100000 database 5 changed

9.2.4. Server registration management

registerserver

registerserver is the tool to make a new Open-Xchange application server known to the Open-Xchange system.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-H,hostname <servername></servername>	Open-Xchange internal server name (normally the host
	name)

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} hostname



Command output

On success:

server <id> registered

On failure:

server <servername> could not be registered: <reason from server>

Example 9.16. registerserver

rOOt@oxhe~# /opt/open-xchange/sbin/registerserver -A oxadminmaster -P secret -h ox1 server 4 registered

unregisterserver

unregisterserver is the tool to remove a server from the Open-Xchange system. A server can only be removed when no context is bound to it any more.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-i,id <id></id>	The id of the server which should be removed
-H,hostname <servername></servername>	Open-Xchange internal server name (usually the host name)

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass} (id or hostname)

Command output

On success:

server <id> unregistered

On failure:

server <id> could not be unregistered: <reason from server>



Example 9.17. unregisterserver

root@oxhe~# /opt/open-xchange/sbin/unregisterserver --id=5 server 5 unregistered

listserver

listserver is the tool to list all servers registered in the Open-Xchange configuration database.

Parameters

-h,help	Prints a help text
environment	Show info about commandline environment
nonl	Remove newlines (\n) from output
-s,searchpattern <string></string>	The search pattern which is used for listing
CSV	Format output as csv

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass}

Command output

On success:

Id Name

.. ...

On failure:

could not list filestores: <reason from server>

Example 9.18. listservers

root@oxhe~# /opt/open-xchange/sbin/listservers -A oxadminmaster -P secretId Name
2 app1

9.2.5. Consistency tool

The Consistency Tool serves the purpose to detect and fix inconsistencies between file storage and data base.

The following paragraphs describe possible inconsistencies and how to fix them and explain where to store context file data or meta data, and finally the consistency tool's usage is introduced.



Attachments to Infostore objects and files are stored on the hard drive, their meta data (title, description, file name, file size etc) are stored in the MySQL data base. The file's path on the hard drive is also stored in the MySQL data base. Problems arise if both systems are out of sync, e.g if an attachment or InfoStore entry points to a file that no longer exists on the hard drive (subsequently called "missing" files). And vice versa, if there is a file on the hard drive without attachment or InfoStore entry (subsequently called "orphaned" or "unassigned").The Consistency Tool can trace and list both kinds of inconsistency.

There are different ways to fix such inconsistencies. If the file to a data base entry (Info item or attachment) is missing, you can either delete the data base entry or create a dummy file. Respectively, an unassigned file can either be deleted or an infostore entry is created that belongs to the context admin which the orphaned file is assigned to. The consistency tool can resolve the inconsistencies using the above described methods.

An OX:HE installation normally includes several contexts. The contexts are distributed to several data base schemas. Contexts 1 to 5 are e. g. located in the data base scheme ox_db1, 6 and 7 in ox_db2, and 8 bis 10 in ox_db3. Likewise the file data of a context are distributed to several file storages. A file storage is a directory with subdirectores for contexts. Depending on the presumed storage space needed for a context, the contexts are assigned to the single file storages. Context 1 to 3 could thus be located in file storage 1, context 4 to 9 in file storage 2 and context 10 in file storage 3. Why does one need all that knowledge to use the consistency tool? The consistency tool can search for inconsistencies within a context, in all contexts within a scheme or in all contexts that store their data in a file store.

How to use the consistency tool?

Common way to start the consistency tool:

(action) (where to search) (how to resolve the inconsistency)

Possible actions are either "list missing" to list missing files, "list unassigned" to list unassigned files or "repair" to resolve inconsistencies. You can either search a context (context 1), a file storage (filestore 23), or a data base (database 12). How to resolve inconsistencies with "repair" is explained below. Some examples:

1. List missing files

If you want to list all missing files in a context (1) use the command:

checkconsistency list missing context 1

You can add some noise words to make the command more intelligible (to be able to still understand the script in a few years time). Following commands do the same:

checkconsistency list missing in context 1

checkconsistency list missing files in context 1

This command lists all file storage paths that, in the data base, are assigned to an attachment or InfoStore entry which files no longer exist though.

It is also possible to search all files of a file storage:

checkconsistency list missing in filestore 2

or all files that belong to a data base:



checkconsistency list missing in database 3

or simply all missing files:

checkconsistency list missing files everywhere

2. List unassigned files:

Likewise the command for unassigned files. You just have to replace the word "missing" with "unassigned":

checkconsistency list unassigned context 1

checkconsistency list unassigned in context 1

checkconsistency list unassigned files in context 1

checkconsistency list unassigned files in filestore 2

checkconsistency list unassigned files everywhere

3. Repair

To resolve inconsistencies use the "repair" command instead of "list unassigned" or "list missing" as action. Additionally, state how to handle the errors (more later):

check_consistecy repair context 1 (policies)

or

checkconsistency repair errors in context 1 with policies (policies)

checkconsistency repair errors in filestore 2 with policies (policies)

checkconsistency repair errors in database 3 with policies (policies)

The policies are divided in condition and action:

condition : action

The conditions are:

missing_file_for_infoitem	If a file is missing that points to an In- foitem
	Ioitein
missing_file_for_attachment	If a file is missing that points to an at-
	tachment
missing_entry_for_file	
If a file exists that neither points to an attachment	
nor to an Infoitem.	

Actions are:

delete	Π
Deletes the DBEntry or the file	Π
create_dummy	Π



Creates a dummy file (valid for missing_file_for_infoitem and missing_file_for_attachment)

create_admin_infoitem

Creates an Infoitem with the unassigned file in the Contextadmin Infostore.

If there is no action set for a condition the respective inconsistencies are ignored. Here are some examples:

checkconsistency repair errors in context 1 missing_file_for_infoitem : delete missing_file_for_attachment : create_dummy missing_entry_for_file : delete

Deletes all versions of Infoitems that point nowhere (only the versions, not the Infoitem itself), deletes all files with no assignment and creates dummy files for all attachments that point nowhere.

checkconsistency repair errors in database 3 missing_file_for_infoitem : create_dummy missing_entry_for_file : create_admin_infoitem

Repairs all contexts in data base 3, creates dummy files for Infoitems that point nowhere and creates Infoitems in the context admin's Infostore, for files that have no assignment in the data base. Attachments are not handled.

checkconsistency

checkconsistency is the tool to make sure that filestore and database meta data is consistent.

Parameters

-h,--help Prints a help text

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass}

Command output

On success:

filestore <fsid> registered

On failure:

filestore <fsid> could not be registered: <reason from server>



Example 9.19. registerfilestore

root@oxhe~# /opt/open-xchange/sbin/registerfilestore

9.2.6. jobcontrol

jobcontrol

jobcontrol is the tool to list and control the job queue within the Open-Xchange admin daemon. Jobs in the queue are generated by movecontextdatabase and movecontextfilestore

Parameters

-h,help environment nonl -l,list list the jobs of this open-xchange	Prints a help text Show info about commandline environment Remove newlines (\n) from output
server -d,delete <id> -t,details <id> -f,flush flush all finished jobs from the queue</id></id>	delete the given job id show details for the given job

Extra parameters when authentication is enabled

-A,--adminuser <string> Context Admin user name -P,--adminpass <string> Context Admin password

Return value

0 on success

>0 on failure

Mandatory parameters

{adminuser adminpass}

Command output

on success --delete:

job <jobid> deleted

on success --details:

job

on success --flush:

job

on success --list:

job



on failure:

could not (list jobs | delete <jobid> | print details of <jobid> | | flush jobs): <reason from server>

Example 9.20. jobcontrol

root@oxhe~# /opt/open-xchange/sbin/jobcontrol

9.2.7. contextrestore

contextrestore

The contextrestore bundle is a solution for restoring one single context out of a mysql dump from a complete database. In a distributed setup, it is possible to use several files containing the dumps of different databases. The tool described within this document does fetch the needed information out of these files.

The context restore bundle is designed as an admin bundle so it has to be installed into the OSGi environment of the OX admin daemon.

The package open-xchange-admin-plugin-contextrestore contains the bundle itself and the corresponding configuration files. The bundle will get installed as a directory below /opt/openxchange/bundles. The configuration file can be found in:

/opt/open-xchange/etc/admindaemon/plugin/contextrestore.properties.

For the restore process, the tool requires some information to be available in the database. One is the availability of the old database pool id. The tool will dig out the pool id the context used before from the mysql dump, and will try to get a connection to the corresponding database through this pool id. If the pool id does not exist any more, an error is thrown. The same applies to the filestore_id.

For correct operation it is required that the mysql dumps for this tool represent a consistent state of the whole database setup. Furthermore this consistent state should also include the backup of the filestore.

The Debian package has to be installed with the Debian management tool dpkg. Afterwards a new shell script named contextrestore is to be found under /opt/open-xchange/sbin. The admin daemon needs to be restarted to make the new functionality available. The functionality is accessible via RMI, CLT and SOAP.

A complete database backup has to be done before the new function can be used. The Tool described within this document requires a full SQL dump of the databases involved. This can be done by executing the command mysqldump —all-databases —single-transaction, on all database machines registered in Open-Xchange as well as the configuration Database. These two parameters are very important. The first one lets the dump contain every database on the specified database host, and the second is used for a consistent backup. Instead of —all-databases you can also use —database with the right database(s), if none of the switches are given as direct argument then mysql will left out essential data in the dump. For a full backup the switch —all-databases is recommended.

The usage of the command line tool is self-explanatory as it confirms to the standard unix behavior. --help will show a short help with the available parameters. The main arguments of the tool are different database dumps (from the configdb and the distributed user data databases). On success the tool returns the path to the filestore of the given context. The



files below this path have to be restored afterwards in a separate process which is not part of the Open-Xchange system. An example of a restore would look like this:

Example 9.21. restore

contextrestore -A <username> -P <password> -c 7777 -f <complete path to configdb dump>,<complete path to first user data database dump>

file:///tmp/filestore2/7777_ctx_store

Note that the parts in <> have to be replaced by the parameters for your setup

Parameters

-h,--help Prints a help text

Example 9.22. contextrestore

root@oxhe~# /opt/open-xchange/sbin/contextrestore

9.2.8. resetversion

Sets the version of a database schema to a lower number. As update tasks are related to the version number, previous update tasks can be activated when setting the version number to a lower value.

9.2.9. schemasandversions

Displays all schemas with version number in a table.



Chapter 10. Tuning the Open-Xchange Server

This chapter describes all possible configuration options and their values.

10.1. Configuration Options Groupware and Admin

A directory for configuration files is introduced that carries files common for administration daemon and groupware server. This directory will be given on start to configread bundle to fetch the properties located in this new directory. There are no possible side effects.

Configuration directory /opt/open-xchange/etc/common

10.1.1. foldercache.properties

ENABLE_DB_GROUPING	Specify where to perform folder grouping. This filters the database results for duplicate folders in the 'where' clause of the db statement or afterwards in the appli- cation. Possible values: TRUE / FALSE.
ENABLE_FOLDER_CACHE	Enable or disable folder caching. Possible values: TRUE / FALSE.
IGNORE_SHARED_ADDRESSBOOK	Specify whether to ignore 'shared addressbook' folder or not. Possible values: TRUE / FALSE.
ENABLE_INTERNAL_USER_EDIT	Specify whether users are allowed to edit their own contact object contained in the 'Global Address Book' folder aka 'Internal Users'. Switching this parameter only has an effect for newly created contexts.

10.2. Configuration Options Groupware

Configuration directory /opt/open-xchange/etc/groupware.

NOTE: All time values in the configuration files are in milliseconds.

10.2.1. system.properties

SERVER_NAME	Server name registered by registerserver in the configura-
	tion database can be read with listservers.

10.2.2. attachment.properties

MAX_UPLOAD_SIZE	If the sum of all uploaded files in one request is larger than this value, the upload will be rejected. If this value is not set or 0, the more general MAX_UPLOAD_SIZE configured in server.properties will be used. If that value is also 0 or
	not set, uploads will be unrestricted. The size is in bytes.



10.2.3. calendar.properties

CACHED_ITERATOR_FAST_FETCH	The option CACHED_ITERATOR_FAST_FETCH defines the numbers of pre-fetched results with the parameter MAX_PRE_FETCH.
com.openexchange.calendar.seriescon- flictlimit	This boolean option switches on/off the conflict search limitation for a series to 1 year in the future i. e., a new/changed series will not conflict with appointments scheduled later than one year after the creation/change of the appointment. Default value: true
com.openexchange.calendar.undefined- statusconflict	This boolean option switches on/off an appointment conflict when not having accepted or denied the appointment yet. Default value: true
MAX_PRE_FETCH	MAX_PRE_FETCH results are gathered in one SQL query instead of MAX_PRE_FETCH single SQL queries. Normally, higher values result in higher performance if this option is enabled.
CHECK_AND_REMOVE_PAST_RE- MINDERS	If this option is enabled no event is triggered and no mail will be sent if the reminder is before the start date.
CHECK_AND_AVOID_SOLO_RE- MINDER_TRIGGER_EVENTS	This option prevents triggering and sending an E-Mail noti- fication if only a reminder has been changed. If a notifica- tion should be sent in any case this option should be dis- abled.
defaultStatusPrivate	This option holds the confirm status for newly created pri- vate appointments. Default is 0 ("none" or rather "waiting"). This does not affect the status for appointments created by the user as those appointments are always set to "accept- ed".
defaultStatusPublic	This option holds the confirmation status for newly created public appointments. Default is 0 ("none" or rather "wait- ing"). This does not affect the status for appointments created by the user as those appointments are always set to "accepted".

10.2.4. configjump.properties

URL	URL to the config interface. %c is replaced with context lo- gin information. %u is replaced with user login information. %p is replaced with user password. URL=http://local- host/?cid=%c <login=%u>pass=%p (This URL can be reached by clicking on Extras in the folder tree). This option has</login=%u>
	only effect if the configjump-generic plugin is installed.

10.2.5. configdb.properties

useSeparateWrite	false, use read URL for both read and write true, different
	URLs are used for read and write
read*	Specifies the connection settings for the read database
write*	Specifies the connection settings for the write database
	(only used when useSeparateWrite is set to true)
cleanerInterval	Time interval of cleaner thread in milliseconds. This thread
	removes idle timed out database connections and removes



	not used database connection pools after each cleanerIn-
	terval.
minIdle	Number of connections to keep open although they are not used. This value is overwritten for OX databases from configdb. Sould be 0 so that no unnecessary connections are kept in the memory.
maxIdle	Number of maximum idle connections. If the maximum exceeds, no more connections are pooled but are closed instead1 stands for unlimited.
maxIdleTime	Maximum time in milliseconds a connection can be idle. If the maximum exceeds, the connection is closed.
maxActive	If exhaustedAction is set to BLOCK, no more than maxActive connections will be opened to the mysql database. This value is overwritten for OX databases from configdb.
maxWait	If exhaustedAction is set to BLOCK, a thread will not wait for more than maxWait milliseconds.
maxLifeTime	Maximum time in milliseconds a connection will be used. After this time the connection gets closed.
exhaustedAction	BLOCK: If maxActive number of connections is reached, threads have to wait for a connection.FAIL: If maxActive number of connections is reached, an exception is thrown.
	GROW: Open more connections even if maxActive is already reached.
	This value is overwritten for OX databases from configdb.
testOnActivate	Validate connections if they are activated. This is not nec- essary because the activation already includes a check if the connection is not closed.
testOnDeactivate	Check if connections can be reused after they are returned to the pool
testOnIdle	For test purposes. Should always be false.
testThreads	If testThreads is set to true, more information is logged to the Open-Xchange log files about database connections. If this option is enabled, the performance may degrade dra- matically. The JVM then has to generate a lot of method call stack dumps.

10.2.6. imap.properties

Variable	Value
com.openexchange.imap.imapSort	Specify where to sort emails: "imap" value to let the IMAP Server sort (faster but less reliable). Leave blank or fill in "application" value to sort within application (slower but good quality). The sorting is done on IMAP server if a mailbox' size exceeds the mailFetchLimit as defined in mail.properties. NOTE: This value is going to be set to "ap- plication" if IMAP server capabilities do not contain the "SORT" string.
com.openexchange.imap.imapSearch	Define where to search for emails: Value "imap" to let the IMAP Server search. The search is done on IMAP server if



Variable	Value
	a mailbox' size exceeds the mailFetchLimit as defined in mail.properties. Leave blank or fill in "application" value to search within the application.
com.openexchange.imap.imapFastFetch	This property determines whether a fast fetch is performed on large mail folders. Although the fetch is fast on IMAP side, a lot of data is transfered during reading response which cause a temporary memory peak. If disabled, only the necessary fields are used as command arguments, which is slower but needs less memory. NOTE: See property "imapMessageFetchLimit" to know which mail folders are treated as large mail folders.
com.openexchange.imap.imapSupport- sACL	Specify whether the IMAP server supports ACLs. Possible values: true/false/auto NOTE: The "auto" value means to use server-defined ACL support as indicated by the response to the "CAPABILITY" IMAP command.
com.openexchange.imap.imapTimeout	Specify the socket I/O timeout value in milliseconds. A value less than or equal to zero is infinite timeout. The IMAP timeout has to be smaller than the AJP timeout. Also see mail.imap.timeout.
com.openexchange.imap.imapConnec- tionTimeout	Specify the socket connection timeout value in milliseconds. A value less or equal to zero is infinite timeout. The IMAP timeout has to be smaller than the AJP timeout. Also see mail.imap.connectiontimeout.
com.openexchange.imap.imapAuthEnc	Specify the encoding for the IMAP authentication. De- fault=UTF-8. Note: If an installation was running with "um- lauts" before, the default setting might have to be changed to another charset.
com.openexchange.imap.maxIMAPCon- nectionIdleTime	Specify the maximum IMAP connection idle time in millisec- onds i.e., the time an established IMAP connection is going to be kept alive while it is idle. NOTE: This is for future use and not yet implemented.
com.openexchange.imap.User2ACLImpl	Name of the class that implements User2ACL, their alias or "auto" to use auto-detection. Currently known aliases: Cyrus, Courier.
com.openexchange.imap.mboxEnable	Enable/disable mbox format: A mail folder can only either hold subfolders or messages. Furthermore, upon creation the folder type is determined by the folder name. If the folder name ends with the server-defined folder separator character its type is HOLDS-FOLDERS; otherwise its type is HOLDS-MESSAGES. Note that there is currently an unre- solved problem concerning the deletion of mail folders. Since the trash folder is designed to hold messages only, no backup of the deleted folder can be copied to the trash folder i.e., the folder in question (including messages, all subfolders, and the subfolders' contents) is irretrievably lost.
com.openexchange.imap.blockSize	IMAP operations that should be applied to a number of messages exceeding the block size are performed in blocks. Example: A folder containing thousands of messages should be cleared. To avoid the risk of an IMAP timeout when trying to delete all messages at once, the messages are deleted in block size portions.



Variable	Value
com.openexchange.imap.spamHandler	Specify the osgi registration name of the appropriate spam
	handler to use.

10.2.7. mail.properties

This file contains the general mail configuration. Specific implementations are configured in the mail plugin used e. g., imap.properties for imap.

Variable	Value
com.openexchange.mail.loginSource	Set the login source i.e., the source for determining a user's login for the mailing system. If 'login' is set, the user's indi- vidual mail login as defined in user storage is taken. If 'mail' is set, the user's individual primary email address is taken. If 'name' is set, the user's individual system user name is taken. Currently known values: login, mail, and name.
com.openexchange.mail.password- Source	Set the password source i.e., the source for determining a user's password for logging in to the mailing system. If 'session' is set, the user's individual system password is taken. If 'global' is set, the value specified through the 'com.openexchange.mail.masterPassword' property is taken. Currently known values: session and global.
com.openexchange.mail.mailServer- Source	Set the mail server source i.e., the source for determining the mail server used by the user to log in to, in order to access mails. Set to 'global' to take the value specified through the "com.openexchange.mail.mailServer"property. Set to 'user' to take the user's individual mail server settings as specified in storage. Currently known values: user and global.
com.openexchange.mail.transportServer- Source	Set the transport server source i.e., the source for determin- ing the transport server used by the user to log in to, in order to transport mails. Set to 'global' to take the value specified through the "com.openexchange.mail.transport- Server" property. Set to 'user' to take the user's individual transport server settings as specified in storage. Currently known values: user and global.
com.openexchange.mail.masterPass- word	The master password for the mail server. This only takes effect if the "com.openexchange.mail.loginType" property is set to "global".
com.openexchange.mail.mailServer	Mail server: e.g., 192.168.178.32:8143 or imap://192.168.178.32:7143 This only takes effect if the "com.openex- change.mail.mailServerSource" property is set to "global"
com.openexchange.mail.transportServer	Mail transport server: e.g., 192.168.178.32:125 or smtp://192.168.178.32:225 This only takes effect if the "com.openexchange.mail.trans- portServerSource" property is set to "global"
mail.mime.charset	Specify the default MIME charset used for character encod- ing. This parameter takes effect for the complete mail module where no charset is given.
com.openexchange.mail.maxNumOfCon- nections	Specify the maximum number of mail connections that can exist at the same time per user. 0 stands for unlimited.



Variable	Value
com.openexchange.mail.mailFetchLimit	is less than or equal to this value are going to be fetched with all attributes set. Thus these mails can be put into message cache for subsequent list requests.
com.openexchange.mail.attachmentDis- playSizeLimit	Maximum size of email text attachments that will be displayed inline (in bytes).
com.openexchange.mail.quoteLineCol- ors	Comma-separated hex values of colors for displaying quoted text emails. Default #a14044,#917722,#599351,#516193,#6666666
com.openexchange.mail.userFlagsEn- abled	Enable/disable user defined flags.
com.openexchange.mail.partModifier- Impl	The default com.openexchange.mail.partmodifier.Dummy- PartModifier needs to be kept.
com.openexchange.mail.allowNested- DefaultFolderOnAltNamespace	This property defines if the default folders of a user (Draft, Sent, Spam & Trash) are going to be placed right below the "INBOX" folder even if the "altNamespace" feature is en- abled. NOTE: This property requires that subfolders are still permitted below the initial "INBOX" folder even though "altNamespace" is enabled.
com.openexchange.mail.ignoreSubscrip- tion	Specifies whether folder subscription is ignored when listing mail folders. If set to 'true', all folders - regardless of their subscription status - are going to be listed.
com.openexchange.mail.supportSub- scription	Specify whether the underlying store should support sub- scription.
com.openexchange.mail.defaultSepara- tor	Specify the separator within folder full names - if not available from mail server.
com.openexchange.mail.watcherEn- abled	The watcher checks after watcherFrequency for mail con- nection used for more than watcherTime milliseconds and logs this mail connection. If watcherShallClose is set to true those connections will be closed.
com.openexchange.mail.watcherFre- quency	Specify the watcher's frequency in milliseconds.
com.openexchange.mail.watcherTime	Specify the exceeding time in milliseconds for mail connec- tions. If the use time of a mail connection exceeds this value it is logged. This allows to detect unclosed connec- tions.
com.openexchange.mail.watcherShall- Close	Specify whether the watcher is allowed to close exceeded mail connections.
com.openexchange.mail.JavaMailProp- erties	JavaMail Properties. The default should not be changed.
com.openexchange.mail.phishingHead- er	A comma-separated list of headers which identifies phishing headers e.g., X-Phishing1,X-Phishing2,etc. Leave empty for no phishing header.
autoSearch	The automatic search of users in the recipients dialog can be de/activated. Default is true.
com.openexchange.mail.mailAccess- CacheShrinkerSeconds	Specifies the interval seconds of the mail access cache's shrinker thread
com.openexchange.mail.mailAccess- CacheIdleSeconds	Specifies the idle seconds a mail access may reside in mail access cache before it is removed by the shrinker thread.



10.2.8. smtp.properties

This file contains the configuration for the smtp server

Variable	Value
com.openexchange.smtp.smtpLocalhost	The default is set to InetAddress.getLocalHost().getHost- Name() but if either JDK or name service are not configured properly, this routine fails and the HELO or EHLO command is sent without a name which leads to an error: "501 HELO requires domain address". The value "null" falls back to InetAddress.getLocalHost().getHostName() which works in most cases.
com.openexchange.smtp.smtpAuthEnc	Specify the encoding for the SMTP authentication.
Enable/disable SMTP Authentication	Enable/disable SMTP Authentication
com.openexchange.smtp.setSMTPEn- velopeFrom	Specifies whether SMTP header ENVELOPE-FROM should explicitly be set to the user's primary email address or not.
com.openexchange.smtp.smtpTimeout	Specify the socket I/O timeout value in milliseconds. A value less than or equal to zero is infinite timeout. See also mail.smtp.timeout.
com.openexchange.smtp.smtpConnec- tionTimeout	Define the socket connection timeout value in milliseconds. A value less or equal to zero is infinite timeout. See also mail.smtp.connectiontimeout.

10.2.9. ajp.properties

This file contains the configuration for the OX server "ajp 13 protocol" implementation. The communication between apache jk and the Open-Xchange application server can be fine-tuned here.

Variable	Value
AJP_PORT	tcp port where the groupware server listens for incoming AJP requests
SERVLET_POOL_SIZE	Initial number of instances held in memory for each avail- able single threaded servlet (single threaded servlets are deprecated and are not used by the Open-Xchange Server).
AJP_SERVER_THREAD_SIZE	Number of AJP server threads which create a client socket on an incoming request. This is the number of threads processing newly opened AJP sockets. AJP sockets are kept alive by default. Therefore only one thread is recommend- ed.
AJP_LISTENER_POOL_SIZE	Number of initially created AJP listeners for processing in- coming AJP requests. This pool does grow dynamically but does not go below.
AJP_LISTENER_READ_TIMEOUT	The amount of time in milliseconds a listener is going to wait (or block) while waiting to read the initial bytes from the web server from the input stream. 0 stands for unlimited and should not be changed because if the server closes connections here the sticky sessions would break.
AJP_MOD_JK	This property defines whether mod_jk is used or not, since some mod_jk implementations force the servlet container not to close connections. If set to TRUE the property AJP_MAX_NUM_OF_SOCKETS will be ignored to avoid closing connections by the servlet container.



Variable	Value
AJP_MAX_NUM_OF_SOCKETS	Defines the maximum number of open sockets. Any socket opened beyond will be closed automatically if AJP_MOD_JK is set to FALSE.
AJP_CONNECTION_POOL	Defines whether to use AJP connection pool or not. The pool holds instances of AJP connection objects. This saves the time to create new objects.
AJP_CONNECTION_POOL_SIZE	The ajp connection pool size. This property only takes effect if AJP_CONNECTION_POOL is set to TRUE and defines the number of instances held in the pool.
AJP_REQUEST_HANDLER_POOL	Defines whether to use AJP request handler pool or not. The pool holds instances of AJP request handlers. This saves time to create new objects.
AJP_REQUEST_HANDLER_POOL_SIZE	The AJP request handler pool size. This property only takes effect if AJP_REQUEST_HANDLER_POOL is set to TRUE and defines the number of instances held.
AJP_WATCHER_ENABLED	Enable/Disable AJP watcher. The watcher is a thread that checks every AJP_WATCHER_FREQUENCY if AJP requests take longer than AJP_WATCHER_MAX_RUNNING_TIME. If AJP_WATCHER_PERMISSION is true, those requests will be terminated or otherwise logged into the groupware log.
AJP_WATCHER_PERMISSION	If true, the AJP watcher has the permission to stop & re-init system.
AJP_WATCHER_MAX_RUNNING_TIME	defines max AJP listener running time in milliseconds
AJP_WATCHER_FREQUENCY	defines the max AJP watcher frequency in milliseconds
AJP_JVM_ROUTE	SET HOST'S UNIQUE JVM ROUTE IMPORTANT FOR LOAD BALANCING. This value is added to the cookie JSESSIONID so that mod_jk knows which server to route the requests to. This is needed to bind a session to one specific Open- Xchange server in a cluster.
JP_CHECK_MAGIC_BYTES_STRICT	Define if the mandatory first two bytes of an incoming AJP package (magic bytes) have to exactly match the sequence $0x12 \ 0x34$ or if just one byte has to match at # the proper position. It is recommended to leave that true.
AJP_SERVLET_CONFIG_DIR	Defines the path for the servlet configuration; null stands for "oxgroupwaresysconfdir@/servletConfig"
AJP_BIND_ADDR	Defines the address to which the opened AJP server socket will be bound to. A socket to all available interfaces will be bound if set to "*".
AJP_LOG_FORWARD_REQUEST	Logs corresponding AJP forward request if an unexpected empty body request is detected.
AJP_JSESSIONID_TTL	This parameter determines after which time outdated HTTP sessions are removed. HTTP sessions are remembered through the JSESSIONID cookie. Not removing those outdated HTTP sessions causes a memory leak. The parameter configures the time those sessions are kept in milliseconds.

10.2.10. push.properties

This file contains the configuration of the MS Outlook UDP connectivity subsystem.

Variable	Value
.pushEnabled	Defines if server push port gets opened or not.



Variable	Value
.registerTimeout	Time in milliseconds a client registration is kept.
.registerPort	Port where the clients send the push registration request to.
.registerDistributionEnabled	Only one of registerDistribution or eventDistribution can be enabled at the same time. If set to true, registrations are distributed to all OX Servers.
.eventDistributionEnabled	Only one of registerDistribution or eventDistribution can be enabled at the same time. If set to true, events will be distributed to all Open-Xchange Servers.
.outputQueueDelay	Time in milliseconds before queued "push" packages are sent to clients.
.hostname	If empty, the output of the java function getHostName will be used. This name is used for internal communication.
.senderAddress	Address used as the sender address when UDP packages are sent to the clients (should be the IP address of the load balancer in front of the Open-Xchange Server farm).
.multicastEnabled	true/false; send register or event information per multicast
.multicastAddress	IP multicast address
.multicastPort	Multicast port

10.2.11. sessiond.properties

Variable	Value
.isServerSocketEnabled	Start a sessiond socket (not used for OXHE)
.isServerObjectStreamSocketEnabled	Start a sessiond object stream socket (not used for OXHE)
.serverPort	sessiond socket on this port (not used for OXHE)
.serverBindAddress	Accept only sockets from this address (not used for OXHE)
.isDoubleLoginPermitted	Allow users to be logged in multiple times.
serverObjectStreamPort	sessiond socket on this object stream port (not used for OXHE)
isTcpClientSocketEnabled	Enable communication between client and server over tcp (not used for OXHE).
.sessionContainerTimeout	Session container timeout in milliseconds. After the timeout the session containers will rotate i. e., the oldest one will be destroyed and a new one will be created.
.numberOfSessionContainers	Number of session containers.
maxSession	Maximum number of concurrent sessions, 0 stands for un- limited.
sessionDefaultLifeTime	Maximum lifetime of idle sessions in milliseconds.

10.2.12. ldapauth.properties

Variable	Value
ldapReturnField=	Field in the user object which should be returned as uid
	instead of the first part before the "@" character.



10.2.13. malpoll.properties

Variable	Value
com.openexchange.push.malpoll.period	Define the amount of time in milliseconds when to period- ically check for new mails. Default is 300000 (5 minutes).
com.openexchange.push.malpoll.global	Whether a global timer is set or a timer per user. Or in other words: Do you want a global heartbeat or a heartbeat per per user? Default is true.
com.openexchange.push.malpoll.con- currentglobal	Whether the tasks executed by global timer are executed concurrently or by calling timer's thread. Note: This prop- erty only has effect if "com.openexchange.push.malpoll.glob- al" is set to "true"
com.openexchange.push.malpoll.folder	Define the folder to look-up for new mails in each mailbox. Default is INBOX folder

10.2.14. mailjsoncache.properties

Variable	Value
com.openex- change.mail.cache.json.shrinkerInter- valUserMap	The shrinker interval in seconds for the superior user map. Default is 60.
com.openex- change.mail.cache.json.shrinkerInterval- FolderMap	The shrinker interval in seconds for folder maps. Default is 60.
com.openex- change.mail.cache.json.ttlUserMap	The time-to-live in seconds for folder maps put into user map. Default is 300.
com.openexchange.mail.cache.json.ttl- FolderMap	The time-to-live in seconds for an ID-to-JSON mapping put into folder map. Default is 300.
com.openex- change.mail.cache.json.maxWaitTimeMil- lis	The max. time in milliseconds to wait for a mail's JSON representation to become available in a folder map. Default is 100.
com.openexchange.mail.cache.json.en- abled	Whether the cache is enabled. Default is true.

10.2.15. cache.ccf sessioncache.ccf mailcache.ccf

Configuration for the used JCS implementation. Open-Xchange servers use JCS to cache frequently used objects and to keep these cached objects caches in sync on all machines in the cluster. It is used for cache invalidation only. The defaults for the pre-defined cache regions should be kept. The caches communicate through TCP/IP and find each other via multicast. In some situations those values need to be changed for the local network infrastructure in the auxiliary section.

Variable	Value
GlobalFolderCache	Cache region for configuring the cache.
UserFolderCache	Cache region for configuring the cache.
.TcpServers	This line must be commented to make auto configuration via udp possible.
.TcpListenerPort	The port where the caches listen for invalidation messages.
.UdpDiscoveryAddr	Multicast address where the caches send broadcasts to in order to find each other.
.UdpDiscoveryPort	Port number for the multicast setup.



Variable	Value
.UdpDiscoveryEnabled	true/false needs to be true to make Udb discovery work.

For more in-depth information consult the project documentation of Apache JCS at http://jakarta.apache.org/jcs/ The groupware and admin caches must listen on the same multicast address and port. Same applies for the sessioncaches. The mailcache is only local and the default do not need to be changed.

10.2.16. infostore.properties

MAX_UPLOAD_SIZE	If the sum of all uploaded files in one request is larger than this value, the upload will be rejected. This value can be overridden on a per-user basis by setting the upload_quota in the mail configuration of this user. If this value is not set or 0, the more general MAX_UPLOAD_SIZE configured in server.properties will be used. If that value is also 0 or not set, uploads will be unrestricted. The size is in Bytes.
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10.2.17. notification.properties

notify_participants_on_delete	If true, participants of appointments get a notification E- Mail when the appointment gets deleted.
object_link	url in notification E-Mails [hostname] is replaced with the hostname of your machine. [module], [object] and [folder] are replaced with the relevant IDs to generate the direct link. "http:// <hostname>/#m=[module]&i=[ob- ject]&f=[folder]" HOSTNAME must be replaced by the hostname of the frontend server.</hostname>

10.2.18. ox-scriptconf.sh

JAVA_XTRAOPTS	This property sets the java options given to the groupware during launch time.
NRFILES	Maximun number of files the groupware is allowed to open (set through ulimit on startup)
UMASK	Specify the umask of file permissions to be created by ox, e.g. in the filestore, UMASK=066

10.2.19. participant.properties

ShowWithoutEmail	If true, a search for appointment participants also shows contacts without E-Mail addresses. Those addresses are grayed out and not selectable because an E-Mail address is needed for appointments.
autoSearch	The automatic search of users in the participants dialog can be de/activated. Default is true.



10.2.20. server.properties

PrefetchEnabled	Enable or disable SearchIterator prefetch. If prefetch is enabled the underlying ResultSet data is completely stored and all related resources are released immedi- ately when creating a SearchIterator. Possible values: TRUE / FALSE.
UPLOAD_DIRECTORY	Upload Parameter. All uploads that are done by a client are temporarily saved in that directory.
MAX_UPLOAD_SIZE	If the sum of all uploaded files in one request is greater than this value, the upload will be rejected. This value can be overridden on a per-module basis by setting the MAX_UPLOAD_SIZE parameter in the module's config file (attachment.properties or infostore.properties). Or it can be overriden on a per-user basis by setting the upload_quo- ta in the E-Mail configuration of this user. If this value is set to 0 and not overridden by the module config or user config uploads will be unrestricted. The size is in bytes.
MAX_UPLOAD_IDLE_TIME_MILLIS	The maximum idle time in milliseconds for an uploaded file temporarily stored in the upload directory.
DefaultEncoding	The encoding has to match the webservers default encod- ing. Default is UTF-8.
minimumSearchCharacters	Defines the minimum number of characters for a search. Default is 0. In large contexts it is recommended to set the minimum to 3.
PUBLISH_REVOKE	Contact address for the server administrator in case a publication needs to be revoked.
IPCheck	On session validation of every request the client IP address is compared with the client IP address used for the login request. If this configuration parameter is set to "true" and the client IP addresses do not match, the request will be denied and the denied request is logged with level info. Setting this parameter to "false" will only log the different client IP addresses with debug level. WARNING! This should be only set to "false" if you know what you are doing and if all requests are secure - requests are always encrypted by using HTTPS.com.openexchange.IPCheck=true

10.2.21. management.properties

JMXPort	Define the port which is then applied to the JMX-based agent.
JMXLogin	Define the JMX login for authentication. Leaving this prop- erty empty means not to use authentication and a non-root user can stop the complete server.
JMXPassword	Specify the JMX password in SHA hashed version. This property only has effect if the previous "JMXLogin" property is set. The following perl command can be used to generate such a password: perl -M'Digest::SHA1 qw(sha1_base64)' - e 'print sha1_base64("YOURSECRET")."=\n";' that requires to install the Digest::SHA1 perl module, of course.



JMXPort	Define the port which is then applied to the JMX-based agent.
JMXBindAddress	Specify the bind address for the JMX monitor agent. Use the "*" value to let the JMX monitor bind to all interfaces: JMXBindAddress=*

10.2.22. contact.properties

contact_first_letter_field	First Letter Field, the field you sort in when you click on one of the start letters.
	field02 Last name
	field03 First name
validate_contact_email	Check the entered E-Mail address from a new contact for correctness (syntactic check user@domain.tld)
scale_images	Scale contact images down to the given ratio.
scale_image_width	Maximum width a contact image will be scaled to.
scale_image_height	Maximum height a contact image will be scaled to.
max_image_size	The maximum size in bytes for the upload of contact im- ages.
quickSelect	Activates or deactivates the contact view's quick selection. Possible values: true/false.

10.2.23. event.properties

This file contains the configuration of the event handling in OX6. Event handling is a core function and should never be turned off. For instance, when deleting a contact with attachments, the contact will be deleted immediately and an event is created to delete the attachment at a later time.

Variable	Value
.isEventQueueEnabled	This option enables or disables the complete event handling for OX. The event handling is an essential Open-Xchange component which always needs to run.
.eventQueueDelay	This parameter sets the delay in milliseconds when events are sent to the subscribed services. Events e.g. are triggered when deleting an appointment with attachment. The event then is for deleting the attachment.

10.2.24. file-logging.properties

This file contains the configuration for error and information logging.

Variable	Value
level	Default logging level, should be INFO in productive environ-
	ments. Other possible values are ALL INFO DEBUG.

10.2.25. mailfilter.properties

This file contains the configuration for the mailfilter plugin.



Variable	Value
SIEVE_LOGIN_TYPE	Specify the sieve server to be used. Two options are allowed here:
	user : use the setting stored for the user in the database
	global : use the sieve server given in this config file for all users
SIEVE_CREDSRC	Specify the sieve credentials to be used. Three options are allowed here:
	"session" : login name and password are used from the current session
	"imapLogin" : the login name is taken from the database (imapLogin) of
	user, the password is taken from the current session
	"mail" : use the primary mail address of the user and the password from the session
SIEVE_SERVER	Sieve server
SIEVE_PORT	Sieve port
SCRIPT_NAME	If you want the script to be generated with another script name, change it here. Note that the mail filter bundle will then leave the old script with the old script name behind, and does not delete it.
SIEVE_AUTH_ENC	The SIEVE mailfilter configuration is enhanced by an option called "SIEVE_AUTH_ENC" which allows to specifiy the character encoding to use when authenticating against SIEVE server, e.g. UTF-8, ISO-8859-1, etc. This is useful if a user password contains non-ASCII characters like German umlauts.

10.2.26. settings/themes.properties

This file contains the configuration for available themes. More information about that and how to create themes can be found here: http://www.open-xchange.com/wiki/index.php?ti-tle=Gui_Theming_Description

10.2.27. servletmappings/servletmapping.properties

The request path to servlet class mapping. Wildcards are allowed as long as the '*' character is the last character in the specified servlet path.

10.2.28. updatetask.cfg

If updatetasks.cfg is missing all update tasks are executed. If that file exists, only the tasks configured in that file are executed.



10.2.29. transport.properties

Variable	Value
com.openexchange.mail.transport.refer- encedPartLimit	Define the limit in bytes for keeping an internal copy of a referenced MIME message's part when sending a mail. If a part exceeds this limit a temporary file is created holding part's copy.
com.openexchange.mail.defaultTrans- portProvider	The transport provider fallback if an URL does not con- tain/define a protocol.

10.2.30. Thread bundle

The thread bundle provides a central thread pool for simultaneously processing tasks in order to save memory. The bundle can be configured to enable the administrator to better control the system and thus avoid e.g. out of memory errors when using limited hardware.

Variable	Value
com.openexchange.threadpool.core- PoolSize	The number of threads to keep in the pool, even if they are idle. If unsure follow this rule: Number of CPUs + 1.
com.openexchange.threadpool.prestar- tAllCoreThreads	Starts all core threads, causing them to idly wait for work. This overrides the default policy of starting core threads only when new tasks are executed. Default is true.
com.openexchange.threadpool.maxi- mumPoolSize	The maximum number of threads to allow in the pool. Default is the maximum integer value of 2^31 - 1 which is considered as unlimited number of threads.
com.openexchange.thread- pool.keepAliveTime	When the number of threads is greater than the core, this is the maximum time (in milliseconds) that excess idle threads will wait for new tasks before terminating. Default is 60000msec.
com.openexchange.thread- pool.workQueue	The queue type to use for holding tasks before they are executed. Supported values: synchronous and linked. A synchronous queue is an appropriate choice when "com.openexchange.threadpool.maximumPoolSize" is un- limited or possible rejection of tasks is allowed. A linked queue is an appropriate choice when "com.openex- change.threadpool.maximumPoolSize" is limited and rejec- tion of tasks is prohibited.
com.openexchange.threadpool.re- fusedExecutionBehavior	The default behavior to obey when execution is blocked because the thread bounds and queue capacities are reached. Supported values: abort, caller-runs, discard; abort: Aborts execution by throwing an appropriate exception to the caller; caller-run: The caller is considered to run the task if the thread pool is unable to do so; discard: The task is silently discarded. No exception is thrown.

10.2.31. crawler.properties

Contains the path to the yaml files that contain the configuration for the single services like Xing, linkedIN, web.de, yahoo.com, etc. The yaml files reside in the "crawlers" subdirectory. The yaml files can be replaced if there are changes or updates. This can even be done between releases.



10.3. Configuration for the Admin Daemon

10.3.1. system.properties

SERVER_NAME	Server name registered by registerserver in the configura-				
	tion database can be read with listservers.				

10.3.2. plugin/hosting.properties

Variable	Value
AVERAGE_CONTEXT_SIZE	The average MB space a context is expected to use on the disk in the filestore.
CONTEXTS_PER_SCHEMA	Maximum amount of contexts that will be stored in a single mysql schema.
CREATE_CONTEXT_USE_UNIT	Must be set to context.
CHECK_CONTEXT_LOGIN_MAP- PING_REGEXP	Pattern of allowed characters in login mapping (context) names.
NEW_CONTEXT_DEFAULT_AC- CESS_COMBINATION_NAME	Default access combination template name for newly cre- ated contexts. See also "ModuleAccessDefinitions" file for details. If the name is NOT defined in the "ModuleAccess- Definitions" file, the fallback will be used.

10.3.3. management.properties

Variable	Value
JMX_PORT	Port number for JMX
JMX_BIND_ADDRESS	The port where the java JMX monitoring service is listening
	on.

10.3.4. AdminDaemon.properties

Variable	Value
SERVER_NAME	Server name set and registered during initial install.
MASTER_AUTHENTICATION_DISABLED	Disabling authentication for system calls like context/server etc. creation.
CONTEXT_AUTHENTICATION_DIS- ABLED	Disabling authentication for context calls like user/group etc. creation. This also disables authentication for calls which a "normal" user can make like changing his own data or getting his own data.
CONCURRENT_JOBS	Number of jobs to be be executed concurrently

10.3.5. Group.properties

Variable	Value
CHECK_GROUP_UID_FOR_NOT_AL-	true/false: enable check for allowed characters in group
LOWED_CHARS	names on creation.
CHECK_GROUP_UID_REGEXP	Regexp for allowed chars
AUTO_TO_LOWERCASE_UID	This will lowercase the uid
DEFAULT_CONTEXT_GROUP_ <locale></locale>	When creating a new context, this is the default group name for the <locale>.</locale>



10.3.6. Resource.properties

Variable	Value
CHECK_RES_UID_FOR_NOT_AL-	true/false: enable check for allowed characters in resource
LOWED_CHARS	names on creation.
CHECK_RES_UID_REGEXP	Regexp for allowed characters.
AUTO_TO_LOWERCASE_UID	this will lowercase the uid

10.3.7. User.properties

Variable	Value
DEFAULT_PASSWORD_MECHANISM	Specify the default password mechanism to use. Possible values: CRYPT / SHA
CHECK_USER_UID_FOR_NOT_AL-	true/false: enable check for allowed characters in user
LOWED_CHARS	names on creation.
CHECK_USER_UID_REGEXP	Regexp for allowed characters.
AUTO_TO_LOWERCASE_UID	This will lowercase the uid
USERNAME_CHANGEABLE	WARNING: Changing the username might have impact on external systems like imap server that allows acls to be set. Imap ACLS usually use symbolic names so when changing the user name without changing the ACL breaks the ACL. open-xchange-admin will NOT change those ACLS, so DO NOT CHANGE THIS SETTING ON OX Express.
PRIMARY_MAIL_UNCHANGEABLE	If true, it is possible to change primary E-Mail address (this breaks outlook oxtender support)
DISPLAYNAME_UNIQUE	Should the displayname be unique or not? This adds further checks while dealing with users.
SENT_MAILFOLDER_ <locale></locale>	Default Sent Mail folder name for <locale> when not set per RMI.</locale>
TRASH_MAILFOLDER_ <locale></locale>	Default Trash folder name for <locale> when not set per RMI.</locale>
DRAFTS_MAILFOLDER_ <locale></locale>	Default Drafts folder name for <locale> when not set per RMI.</locale>
SPAM_MAILFOLDER_ <locale></locale>	Default SPAM folder name for <locale> when not set per RMI</locale>

10.3.8. configdb.properties

Same as the groupware configdb.properties above. useSeparateWrite has to be false. When true, the admin deamon cannot read its newly written changes from the configdb slave because of database replication times. readURL and writeURL have to point to the Master.

With SP5 groupware's and admindaemon's connection to the ConfigDB should be configured in the same way except the last parameter in the file.

If you have a MySQL master/slave setup, configure useSeparateWrite=true for both applications. The read connection must read from the slave; while the write connection has to connect to the master. All parameters to configure both connections start with the keywords read or write. If your ConfigDB is only a single database server configure useSeparateWrite=false let read and write connection both connect to your single database server.



All remaining parameters in this file configure the pooling of the database connections and it is suggested to not change them. If you need more connections to ConfigDB it is recommended to increase the maxActive parameter.

The last parameter writeOnly must be configured to false for the groupware and to true for the admindaemon.

10.3.9. RMI.properties

RMI_PORT	Port number the Admin Daemon listens on to accept RMI				
	calls from remote machines.				

10.3.10. cache.ccf

Same as the cache.ccf above for groupware. The .TcpListenerPort has to be different from the groupware when running on the same host.

10.3.11. file-logging.properties

Same as the groupware file-logging.properties above.

10.3.12. ModuleAccessDefinitions.properties

This configuration file holds the module access masks for creating users. Information about available modules und tested configurations is available directly in it.



Chapter 11. Logging and Exception Handling

In case of errors, all error messages generated by the application have an exception ID included. This exception ID is unique and written to log files with additional information as well as shown to the customer at the frontend.

The Open-Xchange Server processes, per default write all log messages into the files:

GW Process:

/var/log/open-xchange/open-xchange.log*

/var/log/open-xchange/open-xchange-console.log

Admin Process:

/var/log/open-xchange/open-xchange-admin.log*

/var/log/open-xchange/open-xchange-admin-console.log

All messages written on std out are redirected to the "*-console.log" files. This, for example, means errors from the java virtual machine. The other files contain messages directly from the application.

The log level as well as filenames and file sizes can be tuned in the configuration file filelogging.properties under the admin and groupware configuration directories.

Possible log levels are:

- * SEVERE (highest value)
- * WARNING
- * INFO (for production)
- * CONFIG
- * FINE
- * FINER
- * FINEST (lowest value)

For clustered setups Open-Xchanges recommends to log via syslog to a dedicated log host. For this the log4j bundles, as described in chapter (??), need to be installed. The default then is the groupware to log with facility local2 and admin with facility local5, directly to syslog. The syslogd must run with the additional switch "-r" so that remote messages get accepted (on debian to be configured in /etc/default/syslogd). The log4j configuration file log4j.xml is located under the admin and groupware configuration directories. Log level, facility, messages and SyslogHost can be set there.

Possible log4j log levels are:

- * DEBUG (lowest value)
- * INFO (for production)
- * WARN
- * ERROR
- * FATAL (highest value)



To know if the slave is up to date with its replication, it is necessary to monitor the replication status. Therefore the replicationMonitor table was added that contains a counter that is increased every time a connection to the master is returned to the pool. If the pool is asked for a slave connection first that counter is checked on the slave. If this counter does not match the one of the master or is higher, a connection to the master is returned to be able to read currently written data. The results are written to the admin and groupware log file.



Chapter 12. Error codes

Com- Compo- po- nent nent Name	Category Code	Category String	Se- quence No	Message	Descrip- tion	Exception Class
	1	USER_IN- PUT	1	Bad value %1\$s in param- eter %2\$s	TODO	com.openex- change.ajax.helper.Param- ContainerException
	1	USER_IN- PUT	1	Object not found. %s	TODO	com.openex- change.api.OXObject- NotFoundException
	1	USER_IN- PUT	1	Unable to convert task status %1\$s.	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
	1	USER_IN- PUT	2	Unable to convert task priority %d.	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
	1	USER_IN- PUT	5	Request reject- ed because its size (%1\$s) ex- ceeds the maximum configured size of %2\$s	TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
	1	USER_IN- PUT	8	An uploaded file refer- enced by %1\$s could not be found	TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
	1	USER_IN- PUT	9	Parsing error parsing ical: %s	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
	1	USER_IN- PUT	10	Unknown Class: %1\$s	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
	1	USER_IN- PUT	11	Cowardly re- fusing to con- vert confiden- tial classified objects.	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
	1	USER_IN- PUT	12	Missing DT- START	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
	1	USER_IN- PUT	14	Private Ap- pointments can not have attendees. Re- moving atten- dees and ac- cepting ap- pointment anyway.	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning



1	USER_IN- PUT	15	Not support- ed recurrence pattern: BY- MONTH	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
1	USER_IN- PUT	1008	Invalid email address %1\$s	TODO	com.openex- changemailmime.MIMEMailEx- ception
1	USER_IN- PUT	1009	Wrong mes- sage header: %1\$s	TODO	com.openex- changemailmime.MIMEMailEx- ception
1	USER_IN- PUT	1013	Message could not be sent to the following re- cipients: %1\$s	TODO	com.openex- changemailmimeMIMEMailEx- ception
3	PERMIS- SION	1000	There was an issue in au- thenticating your E-Mail password. This may be be- cause of a re- cent password change. To continue please logout now and then log back in with your most current password. (server=%1\$s user=%2\$s)	TODO	com.openex- changemailmimeMIMEMailEx- ception
3	PERMIS- SION	1001	Wrong or missing login data to access server %1\$s.	TODO	com.openex- changemailmime/MIMEMailEx- ception
3	PERMIS- SION	1010	An attempt was made to open a read- only folder with read- write: %1\$s	TODO	com.openex- dhangemailmime.MIMEMailEx- ception
4	TRY_AGAIN	1017	Connection was reset. Please try again.	TODO	com.openex- changemailmime/MIMEMailEx- ception
5	SUBSYS- TEM_OR_SER- VICE_DOWN	5	Cannot get database con- nection.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
5	SUBSYS- TEM_OR_SER- VICE_DOWN	1016	Connection was refused or timed out	TODO	com.openex- changemailmime.MIMEMailEx- ception



				while attempt- ing to connect to remote server %1\$s for user %2\$s		
	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1018	No route to host: server (%1\$s) cannot be reached	TODO	com.openex- changemail.mimeMIMEMailEx- ception
	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1019	Port %1\$s was unreachable on remote server	TODO	com.openex- dhangemailmimeMIMEMailEx- ception
	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1020	Connection is broken due to a socket ex- ception on re- mote server: %1\$s	TODO	com.openex- dhangemailmimeMIMEMailEx- ception
	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1022	The IP address of host %1\$s could not be determined	TODO	com.openex- dhangemailmimeMIMEMailEx- ception
	6	SOCK- ET_CON- NECTION	2			
%4\$s TODO	com.openex- change.ajp13.ex- cep- tion.AJPv13Ex- ception					
	6	SOCK- ET_CON- NECTION	3	Socket closed by web server. Wait for input data of pack- age #%1\$d took %2\$dm- sec.	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	4	No data pro- vided from web server: in- put stream re- turned -1 while reading AJP magic bytes in pack- age #%1\$d. Wait for input data took %2\$dmsec.	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	6	Problem writ- ing to stream.	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning



	6	SOCK- ET_CON- NECTION	7	Unknown Re- quest Prefix Code: %1\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	8	Missing pay- load data in client's body chunk pack- age	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	12	Unparseable header field %1\$s in for- ward request package	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	13	String parse exception: No ending 0x00 found	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	16	An I/O error occurred: %1\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	19	Cookie JSES- SIONID con- tains non- matching JVM route: %1\$s not equal to %2\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	6	SOCK- ET_CON- NECTION	20			
%3\$s TODO	com.openex- change.ajp13.ex- cep- tion.AJPv13Ex- ception					
	6	SOCK- ET_CON- NECTION	21	AJP server socket could not be bound to port %1\$d. Probably an- other process is already lis- tening on this port.	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	7	INTER- NAL_ER- ROR	1		TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	7	INTER- NAL_ER- ROR	1	File upload failed: %1\$s	TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
	7	INTER- NAL_ER- ROR	4	Cache %s could not be initialized due	TODO	com.openex- change.cache.OX- CachingException



7INTER- NAL_ER- ROR1012Message could not be tis too largeTODO com.openex- change cache.OX- CachingException8CODE_ER- ROR1Put into cache field.TODO com.openex- change cache.OX- CachingExceptionSession dExceptionCODE_ER- compenex- change cache.OX- CachingExceptionSession dException8CODE_ER- ROR1An SQL error sold.exceptionSession occurred: %15 sTODO com.openex- change cache.OX- CachingExceptionSession dException8CODE_ER- ROR1Push UDP Ex- reptionTODO com.openex- change cache.OX- CachingExceptionSession dExceptionSession dException8CODE_ER- ROR2The default el- ribredTODO com.openex- change cache.OX- CachingException8CODE_ER- ROR2The default el- ribredTODO com.openex- change cache.OX- CachingException8CODE_ER- ROR2Missing param- ribredTODO com.openex- change group-ware.set- ribred8CODE_ER- ROR2Cannot build ribredTODO com.openex- change group-ware.set- ribred8CODE_ER- ROR2Missing affilia- ror occurred: ror occurred: r	 					
NAL_ER- RORcould not be sent because reptiondragenalmine/MEMBe 	 			-		
8 CODE_ER- ROR 1 Put into cache TODO failed. com.openex- charge.cache.OX- cachingException 8 CODE_ER- ROR 1 Sessiond Ex- ception TODO com.openex- cachingException 8 CODE_ER- ROR 1 An SQL error occurred: %15s TODO com.openex- charge.cache.OX- charge.tools.itera- tor.SearchiteratorExcep- tion 8 CODE_ER- ROR 1 Push UDP Ex- ception TODO com.openex- charge.cache.OX- trisudpPushUD- PException 8 CODE_ER- ROR 2 The default el- recetion TODO com.openex- charge.cache.OX- tributes could not be re- trieved 8 CODE_ER- ROR 2 Max Session and exception TODO com.openex- charge.cache.OX- cachingException 8 CODE_ER- ROR 2 Missing param- trieved TODO com.openex- charge.gapup- ware.ldap.LdapException 8 CODE_ER- ROR 2 Missing affilia- tion id TODO com.openex- charge.group- ware.ldap.LdapExcep- tion 8 CODE_ER- ROR 2 Missing affilia- tion id TODO com.openex- charge.cols.itera- tor.searchiteratorExcep- tion 8 CODE_ER- ROR 2 A DBPool er- ror occurred: 15%s TODO com.openex- charge.cols.	7	NAL_ER-	1012	could not be sent because	TODO	changemailmimeMIMEMailEx-
RORceptionsiond.exception.Session-dfx.ception8CODE_ER- ROR1An SQL error occurred: %1\$sTODOcom.openex- change.tools.itera- tor.SearchiteratorException8CODE_ER- ROR1Push UDP Ex- ceptionTODOcom.openex- change.push.udp.Push.UD- PException8CODE_ER- ROR2The default el- tributes could ont be re- trievedTODOcom.openex- change.cache.OX- CachingException8CODE_ER- ROR2Max Session mot be re- trievedTODOcom.openex- change.cache.OX- CachingException8CODE_ER- ROR2Missing param- eter %1\$sTODOcom.openex- change.group- ware.ldap.LdapException8CODE_ER- ROR2Cannot build distinguished name from %s.TODOcom.openex- change.groupware.set- tion8CODE_ER- ROR2Cannot build tion idTODOcom.openex- change.groupware.set- tion.genex- change.groupware.set- tion.genex- change.groupware.set- tion.genex- change.groupware.set- tion.genex- change.groupware.set- tion8CODE_ER- ROR2Missing affilia- ror occurred: 1\$%sTODOcom.openex- change.groupware.set- tion8CODE_ER- ROR2A DBPool er- ror occurred: 1\$%sTODOcom.openex- change.groupware.set- tion8CODE_ER- ROR2A DBPool er- ror occurred: 1\$%sTODOcom.openex- change.cols.itera- tor.openex- change.cols.itera- tor.openex- change.	8		1	Put into cache	TODO	change.cache.OX-
RORoccurred: %1\$schange.tools.itera- ton8CODE_ER- ROR1Push UDP Ex- ceptionTODO com.openex- change.cache.OX- CachingException8CODE_ER- ROR2The default el- revedTODO com.openex- change.cache.OX- CachingException8CODE_ER- ROR2The default el- revedTODO com.openex- change.cache.OX- CachingException8CODE_ER- ROR2Max Session size reachedTODO com.openex- change.gaix.helper.Param- ContaineException8CODE_ER- ROR2Amissing param- distinguished name from %s.TODO com.openex- change.group- ware.ldap.LdapException8CODE_ER- ROR2Cannot build distinguished name from %s.TODO com.openex- change.group-ware.ldap.LdapException8CODE_ER- ROR2Missing affilia- tion idTODO com.openex- change.groupware.set- tigs.SettingException8CODE_ER- ROR2A DBPool er- ror occurred: 1%%TODO com.openex- change.groupware.up- load.impl.UploadExcep- tion8CODE_ER- ROR2A DBPool er- ror occurred: 1%%TODO com.openex- change.tools.itera- tor.SearchiteratorExcep- tion8CODE_ER- ROR3Remove on cache failedTODO com.openex- change.tools.itera- tor.SearchiteratorExcep- tion8CODE_ER- ROR3Remove on cache failedTODO com.openex- change.cohe.OX- cachingException8CODE_ER- ROR <td< td=""><td>8</td><td></td><td>1</td><td></td><td>TODO</td><td>siond.exception.Session-</td></td<>	8		1		TODO	siond.exception.Session-
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RORement at- tributes could not be re- trievedchange.cache.OX- 	8		1		TODO	change.push.udp.PushUD-
RORsize reachedsiond.exception.Session-dException8CODE_ER- ROR2Missing param- eter %1\$sTODOcom.openex- change.ajaxhelper.Param- ContainerException8CODE_ER- ROR2Cannot build distinguished name from %s.TODOcom.openex- change.group- ware.Idap.LdapExcep- tion8CODE_ER- ROR2TODOcom.openex- change.group- ware.Idap.LdapExcep- tion8CODE_ER- ROR2TODOcom.openex- change.groupware.set- tings.SettingException8CODE_ER- ROR2Missing affilia- tion idTODOcom.openex- change.groupware.set- tings.SettingException8CODE_ER- ROR2A DBPool er- ror occurred: 1\$%sTODOcom.openex- change.tools.itera- tor.SearchiteratorExcep- tion8CODE_ER- ROR2A DBPool er- ror occurred: ror occurred: 1\$%sTODOcom.openex- change.tools.itera- tor.SearchiteratorExcep- tion8CODE_ER- ROR3Remove on cache failedTODOcom.openex- change.cache.OX- CachingException8CODE_ER- ROR3Sessiond Con- fig ExceptionTODOcom.openex- change.cache.OX- CachingException	8		2	ement at- tributes could not be re-	TODO	change.cache.OX-
ROReter %1\$schange.ajax.helper.Param. ContainerException8CODE_ER- ROR2Cannot build distinguished name from %s.TODOcom.openex- change.group- ware.ldap.LdapExcep- 	8		2		TODO	siond.exception.Session-
RORdistinguished name from %s.change.group- ware.ldap.LdapExcep- tion8CODE_ER- ROR2TODOcom.openex- change.groupware.set- tings.SettingException8CODE_ER- ROR2Missing affilia- tion idTODOcom.openex- change.groupware.set- tings.SettingException8CODE_ER- ROR2A DBPool er- ror occurred: 1\$%sTODOcom.openex- change.groupware.up- load.impl.UploadExcep- tion8CODE_ER- ROR2A DBPool er- ror occurred: 1\$%sTODOcom.openex- change.tools.itera- tor.SearchIteratorExcep- tion8CODE_ER- ROR3Remove on cache failedTODOcom.openex- change.cache.OX- CachingException8CODE_ER- ROR3Sessiond Con- fig ExceptionTODOcom.openex- change.cache.OX- CachingException	8		2		TODO	change.ajax.helper.Param-
RORchange.groupware.set- tings.SettingException8CODE_ER- ROR2Missing affilia- tion idTODO com.openex- change.groupware.up- load.impl.UploadExcep- tion8CODE_ER- ROR2A DBPool er- ror occurred: 1\$%sTODO com.openex- change.tools.itera- tor.SearchIteratorExcep- tion8CODE_ER- ROR3Remove on cache failedTODO com.openex- change.cache.OX- CachingException8CODE_ER- ROR3Remove on cache failedTODO com.openex- change.cache.OX- CachingException8CODE_ER- ROR3Sessiond Con- fig ExceptionTODO com.openexchange.ses- siond.exception.Session-	8		2	distinguished	TODO	change.group- ware.ldap.LdapExcep-
RORtion idchange.groupware.up-load.impl.UploadException8CODE_ER-2A DBPool er-TODOcom.openex-8CODE_ER-2A DBPool er-TODOcom.openex-1\$%stor.SearchIteratorException1\$%stor.SearchIteratorException8CODE_ER-3Remove on cache failedTODOcom.openex- change.cache.OX- CachingException8CODE_ER-3Sessiond Con-TODOcom.openex- 	8		2		TODO	change.groupware.set-
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8 CODE_ER- 3 ROR Remove on TODO com.openex- cache failed change.cache.OX- CachingException 8 CODE_ER- 3 ROR Sessiond Con- TODO com.openexchange.ses- siond.exception.Session-	8		2	ror occurred:	TODO	com.openex- change.tools.itera- tor.SearchIteratorExcep-
ROR fig Exception siond.exception.Session-	8		3		TODO	com.openex- change.cache.OX-
	8		3		TODO	siond.exception.Session-



8	CODE_ER- ROR	3	Can not cre- ate recurrence rule: %s	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
8	CODE_ER- ROR	3	tion value: %1\$s	TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
8	CODE_ER- ROR	3	Operation not allowed on a closed SearchIterator	TODO	com.openex- change.tools.itera- tor.SearchIteratorExcep- tion
8	CODE_ER- ROR	4	Invalid session given to imple- mentation %1\$s.	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
8	CODE_ER- ROR	4	Header con- tent-type does not indicate multipart con- tent	TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
8	CODE_ER- ROR	4	Mapping for %1\$d not im- plemented	TODO	com.openex- change.tools.itera- tor.SearchIteratorExcep- tion
8	CODE_ER- ROR	5	Unknown event topic %s	TODO	com.openexchange.ses- siond.exception.Session- dException
8	CODE_ER- ROR	5	AJP connec- tion is not set to status AS- SIGNED	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	5	Can not gener- ate uid.	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
8	CODE_ER- ROR	5	FreeBusyRe- sults calcula- tion problem with oid: %1\$d	TODO	com.openex- change.tools.itera- tor.SearchIteratorExcep- tion
8	CODE_ER- ROR	6	Password could not be changed	TODO	com.openexchange.ses- siond.exception.Session- dException
8	CODE_ER- ROR	6	Response package ex- ceeds max package size value of 8192k: %1\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	6	SQL Problem: %s	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	6	Missing param- eter %1\$s	TODO	com.openex- change.groupware.up-



				load.impl.UploadExcep- tion
CODE_ER- COR		structor argu- ment. Instance of %1\$s not	TODO	com.openex- change.tools.itera- tor.SearchIteratorExcep- tion
CODE_ER- COR		size for user %1\$s in con- text %2\$s ex-	TODO	com.openexchange.ses- siond.exception.Session- dException
CODE_ER- ROR	7	Validation of calendar		com.openexchange.da- ta.conversion.ical.Con- versionWarning
CODE_ER- COR		putting/remov- ing an object into/from the	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
CODE_ER- COR			TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
CODE_ER- COR			TODO	com.openex- change.tools.itera- tor.SearchIteratorExcep- tion
CODE_ER- COR			TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
CODE_ER- COR		rithm %s isn't	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
CODE_ER- COR	-	SEND BODY CHUNK package MUST NOT be	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
CODE_ER- COR	9	Encoding %s cannot be	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
CODE_ER- COR			TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
CODE_ER- COR		exceeds max allowed value	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
	OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR ODE_ER- OR	OR – ODE_ER- 7 ODE_ER- 7 ODE_ER- 7 ODE_ER- 7 ODE_ER- 7 ODE_ER- 8 ODE_ER- 8 ODE_ER- 8 ODE_ER- 9 ODE_ER- 9 ODE_ER- 9 ODE_ER- 9 ODE_ER- 9 ODE_ER- 9 ODE_ER- 10 OR 10	ORstructor argument. Instance of %1\$s not supportedODE_ER-7Max. session size for user %1\$s in con- text %2\$s ex- ceededODE_ER-7Validation of calendar failed.ODE_ER-7Problem putting/remov- ing an object into/from the cache.ODE_ER-7Unknown module: %1\$dODE_ER-7No such ele- ment.ODE_ER-7No such ele- ment.ODE_ER-7No such ele- ment.ODE_ER-8Can not re- solve user: %dODE_ER-8Hash algo- rithm %s isn't found.ODE_ER-9Empty SND_BDY_GUXK package MUST NOT be sentODE_ER-9Encoding %s cannot be used.ODE_ER-9Invalid action value: %1\$s	ORstructor argument. Instance of %1\$s not supportedODE_ER- OR7Max. session size for user %1\$s in con- text %2\$s ex- ceededTODO ode calendar failed.ODE_ER- OR7Validation of rodo calendar failed.TODO ode putting/remov- ing an object into/from the cache.ODE_ER- OR7Problem putting/remov- ing an object into/from the cache.TODO putting/remov- ing an object into/from the cache.ODE_ER- OR7Unknown module: %1\$dTODO module: %1\$dODE_ER- OR7No such ele- ment.TODO module: %1\$dODE_ER- OR8Can not re- solve user: %dTODO or ithm %s isn't found.ODE_ER- OR9Empty SND_BOD(GUNK package MUST NOT be sentTODO solve used.ODE_ER- OR9Invalid action value: %1\$sTODO rodoODE_ER- OR9Invalid action allowed valueTODO



8	CODE_ER- ROR	10	Cannot find resource group with identifier %d.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	10	Upload file with id %1\$s could not be found	TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
8	CODE_ER- ROR	11	Invalid con- tent-type header value: %1\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	11	Found re- source groups with same identifier %d.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	11	Upload file's content type %1\$s does not fit to given file filter %2\$s	TODO	com.openex- change.groupware.up- load.impl.UploadExcep- tion
8	CODE_ER- ROR	12	Cannot find resource with identifier %d.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	13	Can not re- solve re- source: %1\$s	TODO	com.openexchange.da- ta.conversion.ical.Con- versionWarning
8	CODE_ER- ROR	13	Found re- sources with same identifi- er %d.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	14	Unsupported encoding: %1\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	14	Cannot find user with email %s.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	15	No attribute name could be found for code: %1\$d	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	15	Cannot find user with identifier %1\$s in context %2\$d.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	16	Found two us- er with same identifier %1\$s in context %2\$d.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion



8	CODE_ER- ROR	17	A messaging error oc- curred: %1\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	17	Cannot find group with identifier %1\$s in context %2\$d.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
8	CODE_ER- ROR	22	File %1\$s could not be found.	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	23	Invalid cookie header value: %1\$s	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
8	CODE_ER- ROR	1002	Mail folder could not be found: %1\$s	TODO	com.openex- changemailmime.MIMEWailEx- ception
8	CODE_ER- ROR	1003	Folder is closed: %1\$s	TODO	com.openex- changemailmime.MIMEV(ailEx- ception
8	CODE_ER- ROR	1004	Illegal write attempt: %1\$s	TODO	com.openex- changemail.mime.MIIMEMailEx- ception
8	CODE_ER- ROR	1005	Invalid method on an expunged message: %1\$s	TODO	com.openex- changemailmimeMIMEMailEx- ception
8	CODE_ER- ROR	1006	Method not supported: %1\$s	TODO	com.openex- changemailmimeMIIMEMailEx- ception
8	CODE_ER- ROR	1007	Session at- tempts to in- stantiate a provider that doesn't exist: %1\$s	TODO	com.openex- changemailmimeMIMEMailEx- ception
8	CODE_ER- ROR	1011	Invalid search expression: %1\$s	TODO	com.openex- changemailmime.MIMEV(ailEx- ception
8	CODE_ER- ROR	1014	Store already closed: %1\$s	TODO	com.openex- changemail.mimeMIIMEMailEx- ception
8	CODE_ER- ROR	1021	A socket error occurred: %1\$s	TODO	com.openex- changemailmime.MIMEVIailEx- ception
8	CODE_ER- ROR	1023	Messaging er- ror: %1\$s	TODO	com.openex- changemailmime.MIMEWailEx- ception
9	CONCUR- RENT_MOD- IFICATION	1	The object has been changed in the mean- time.	TODO	com.openex- change.api2.OXConcur- rentModificationExcep- tion



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		10	SETUP_ER- ROR	1	Cannot find property %s.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
		10	SETUP_ER- ROR	3	Class %s can not be loaded.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
		10	SETUP_ER- ROR	4	Missing prop- erty '%s'	TODO	com.openexchange.ses- siond.exception.Session- dException
		10	SETUP_ER- ROR	4	Cannot instan- tiate class %s.	TODO	com.openex- change.group- ware.ldap.LdapExcep- tion
		10	SETUP_ER- ROR	18	Missing prop- erty AP_JMM_ROUTE in file ajp.properties	TODO	com.openex- change.ajp13.excep- tion.AJPv13Exception
		10	SETUP_ER- ROR	1015	Could not bind connec- tion to local port %1\$s	TODO	com.openex- dhangemail.mime.MIMEMailEx- ception
		11	exter- Nal_re- Source_full	1024	Mail server's quota is ex- ceeded	TODO	com.openex- changemail.mime.MIIMEMailEx- ception
ACL	ACL_ER- ROR	5	SUBSYS- TEM_OR_SER- VICE_DOWN	2	An I/O error occurred while creating the socket connection to IMAP server (%1\$s): %2\$s	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion
ACL	ACL_ER- ROR	5	SUBSYS- TEM_OR_SER- VICE_DOWN	4	An I/O error occurred: %1\$s	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion
ACL	ACL_ER- ROR	8	CODE_ER- ROR	1	Implementing class could not be found	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion
ACL	ACL_ER- ROR	8	CODE_ER- ROR	3	Instantiating the class failed.	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion
ACL	ACL_ER- ROR	8	CODE_ER- ROR	6	Unknown IMAP server: %1\$s	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion
ACL	ACL_ER- ROR	8	CODE_ER- ROR	7	Missing IMAP server argu- ments to re-	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion



		0		0	solve IMAP lo- gin to a user	1000	
ACL	ACL_ER- ROR	8	CODE_ER- ROR	8	IMAP login %1\$s could not be re- solved to a us-	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion
ACL	ACL_ER- ROR	10	SETUP_ER- ROR	5	er Missing prop- erty %1\$s in imap.proper- ties.	TODO	com.openex- change.imap.enti- ty2acl.Entity2ACLExcep- tion
APP	APPOINT- MENT	1	USER_IN- PUT	8	Mandatory field mail ad- dress for exter- nal partici- pants	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	10	Folder type SHARED is not allowed in this situation.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	20	End date is before start date	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	21	ERROR: Unsup- ported label value %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	22	ERROR: Pri- vate flag is on- ly allowed in- side of a pri- vate folder.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	23	ERROR: Pri- vate flag and participants are not sup- ported.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	24	ERROR: Unsup- ported private flag value %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	25	ERROR:: Un- supported shown as val- ue %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	26	Required val- ue Start Date was not sup- plied.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	27	Required val- ue End Date was not sup- plied.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception



APP	APPOINT- 1 MENT	USER_IN- PUT	28	Required val- ue Title was not supplied.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	29	Unable to cre- ate exception, recurring posi- tion can not be calculated !	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	31	Error: Got an UserPartici- pant object with a private folder id < 1 : Identifier = %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	32	Error: Got an UserPartici- pant object with a private folder id in a public folder : Identifier = %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	40	Fatal error. (DAILY) Miss- ing or wrong Interval value: %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	41	Fatal error. (WEEKLY) Missing or wrong Interval value: %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	42	Fatal error. (MONTHLY) Missing or wrong value DayInMonth : %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	43	Fatal error. (MONTHLY) Missing or wrong value Month : %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	44	Fatal error. (MONTHLY2) Missing or wrong Day value: %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 1 MENT	USER_IN- PUT	45	Fatal error. (MONTHLY2) Missing or wrong DayIn-	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception



					Month value: %d		
APP	APPOINT- MENT	1	USER_IN- PUT	46	Fatal error. (YEARLY) Missing or wrong value DayInMonth : %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	47	Fatal error. (YEARLY2) Missing or wrong value day : %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	48	Fatal error. (YEARLY2) Missing or wrong day_or_type : %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	49	Fatal error. (YEARLY2) Missing or wrong Interval value: %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	51	Unable to re- move partici- pant because this partici- pant is the last one	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	54	Folder is not of type Calen- dar	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	55	The required value interval is missing or wrong	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	56	The required value days is missing or wrong	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	57	Moving ap- pointment to a public folder flaged as pri- vate is not al- lowed!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	64	Fatal error. (YEARLY) Missing or wrong Month value: %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception



APP	APPOINT- 7 MENT	1	USER_IN- PUT	65	Fatal error. You are trying to create a new recurring from an excep- tion!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	66	You can not move one ele- ment of a re- curring ap- pointment in- to another folder.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	Appoint- 7 Ment	1	USER_IN- PUT	68	Move not al- lowed to a shared folders if the private flag is set	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT-	1	USER_IN- PUT	69	You can not use different private flags for one ele- ment of a re- curring ap- pointment	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	70	You can not use the pri- vate flags in a non private folder	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 7 MENT	1	USER_IN- PUT	71	Bad character in field %1\$s. Error: %2\$s	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 7 MENT	1	USER_IN- PUT	74	Recurrence position %1\$s does not exist	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	75	One or more exception dates are not contained in recurring ap- pointment	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- 7 MENT	1	USER_IN- PUT	78	Value %1\$d exceeds max. supported val- ue of %2\$d.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	82	Changing re- currence type of a change exception de- nied	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception

Error codes



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APP	APPOINT- MENT	1	USER_IN- PUT	83	Changing re- currence posi- tion of a change excep- tion denied.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	86	Until is before start date	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	87	Incomplete recurring infor- mations: Miss- ing interval.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	88	Incomplete recurring infor- mations: Miss- ing until date or number of occurrences.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	89	Incomplete recurring infor- mations: Miss- ing weekday.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	90	Incomplete recurring infor- mations: Miss- ing day in month.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	91	Incomplete recurring infor- mations: Miss- ing month.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	1	USER_IN- PUT	92	Incomplete recurring infor- mations: Miss- ing recurrence type.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	13	You do not have the nec- essary permis- sions	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	36	Insufficient rights to at- tach/detach an attachment to this folder!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT		PERMIS- SION	37	Insufficient read rights for this folder!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	58	You do not have the ap- propriate per- missions to	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception



					modify this object.		
APP	APPOINT- MENT	3	PERMIS- SION	59	Got the wrong folder identifi- cation. You do not have the appropriate permissions to modify this object.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	60	Got the wrong shared folder identification. You do not have the ap- propriate per- missions to modify this object.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	61	You do not have the ap- propriate per- missions to move this ob- ject.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	62	You do not have the ap- propriate per- missions to read this ob- ject	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	63	You do not have the ap- propriate per- missions to create an ob- ject	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	3	PERMIS- SION	76	Appoint- ment's owner must not be removed from participants	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	5	Unexpected SQL Error!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	7	INTER- NAL_ER- ROR	7	Unexpected exception %d!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	7	INTER- NAL_ER- ROR	11	Unexpected state for deleting a vir- tual appoint-	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception



					ment (excep- tion). uid:oid:posi- tion %d:%d:%d		
APP	APPOINT- MENT	7	INTER- NAL_ER- ROR	30	Error: Got an UserPartici- pant object with an identi- fier < 1 Identi- fier:Fold- er_Type = %d:%d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	7	INTER- NAL_ER- ROR	38	FATAL:: Can not resolve re- currence posi- tion because we got neither the recurring position nor a recurring date position	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	7	INTER- NAL_ER- ROR	67	Fatal error. An database up- date excep- tion occurred.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	7	INTER- NAL_ER- ROR	80	The recur- rence pattern is too com- plex. Giving up.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	7	INTER- NAL_ER- ROR	85	Some call- backs threw exceptions: %s	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	1	FATAL: Calen- darFolderOb- ject not initial- ized!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	2	Not yet sup- ported!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	3	Shared folder owner not giv- en !	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	4	Folder type unresolvable !	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	6	clientLastMod- ified IS NULL. Abort action!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception



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APP	APPOINT- MENT	8	CODE_ER- ROR	9	FATAL: Would create an ob- ject without participants	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	12	SessionObject not initialized	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	14	Insert expect- ed but the ob- ject id is al- ready given. Aborting ac- tion	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	15	Update expect- ed but no ob- ject id is giv- en. Aborting action	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	16	Invalid re- quest. Folder is shared!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	17	Invalid re- quest. Folder is shared!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	18	Invalid re- quest. Folder is shared!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	19	Unsupported type detected : %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	33	Move not sup- ported: Source:Desti- nation %d:%d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	34	Move not al- lowed from shared folders	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	35	Calendar oper- ation: Context not set.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	39	Missing start date, unable to calculate recurring!	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	50	Unable to re- move partici- pant %d	TODO	com.openex- change.groupware.cal-



							endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	52	Action type not supported : %d	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	53	Searchlterator NULL	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	73	Calendar cal- culation re- quires a prop- er defined time zone.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	77	An event er- ror occurred: %1\$s	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	79	Unable to cal- culate first oc- currence.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	81	Unknown name-value- pair in recur- rence string: %1\$s=%2\$s	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	8	CODE_ER- ROR	84	User changing the appoint- ment is miss- ing.	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
APP	APPOINT- MENT	12	TRUNCAT- ED	72	Some data ex- ceeds a field limit. Please shorten the input(s) for af- fected field(s).	TODO	com.openex- change.groupware.cal- endar.OXCalendarEx- ception
ATT	ATTACH- MENT	1	USER_IN- PUT	401	Attachments must contain a file.	An At- tach- ment must contain a file, other- wise it's in- valid.	
ATT	ATTACH- MENT	1	USER_IN- PUT	405	The attach- ment you re- quested no longer exists. Please refresh the view.	An at- tach- ment with	



ATT	ATTACH- MENT	1	USER_IN- PUT	413	The attach- ment you re- quested no longer exists. Please refresh the view.	does not ex- ist, so it cannot be down- loaded. The At- tach- ment does not ex- ist (any- more). Reload- ing the view will propably help.
ATT	ATTACH-	1	USER IN-	418	Validation	hetp.
	MENT		PUT		failed: %s	
ATT	ATTACH- MENT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	400	Could not save file to the file store.	The file could not be saved in the file store. This proba- bly means that the file store is not reach- able.
ATT	ATTACH- MENT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	404	Could not re- trieve file: %s	



ATT	ATTACH- MENT	5	SUBSYS- TEM OR SER-	415	Could not delete file	your database is incon- sistent), or that the file store is not reach- able. A file could
		7	VICE_DOWN	407	from file store. File- store: %s Con- text: %s	not be re- moved from the file store. This can lead to incon- sisten- cies if the change could not be un- done. Keep your eyes peeled for mes- sages indicat- ing an incon- sistency be- tween DB and file store.
ATT	ATTACH- MENT	/	INTER- NAL_ER- ROR	407	Could not delete attach- ment.	An er- ror oc- curred while retriev- ing the attach- ments



						that should be delet- ed.
ATT	ATTACH- MENT	7	INTER- NAL_ER- ROR	408	Could not find an attachment with the file_id %s. Ei- ther the file is orphaned or belongs to an- other module.	find an attach- ment with the giv- en
ATT	ATTACH- MENT	7	INTER- NAL_ER- ROR	416	Could not delete files from filestore. Context: %d.	Could not delete files from file- store. Con- text: %d.
ATT	ATTACH- MENT	7	INTER- NAL_ER- ROR	600	Changes done to the object this attach- ment was added to could not be undone. Your database is probably in- consistent, run the consis- tency tool.	done to the object this at- tach- ment was added to



ATT ATTACH-7 INTER- MENT 600 Changes were made to the object of this attachment outcomstent, run the consis- tency tool ATT ATTACH-7 INTER- MENT 601 Changes were made to the object of this attachment outcomstent, run the consis- tency tool. 601 Changes were made to the object of this attachment outcomstent, run the consis- tency tool. ATT ATTACH-7 INTER- MENT 601 An error oc- curred attach- ror oc- ing to the giv- en object. An error oc- curred attach- ing to the giv- en object. ATT ATTACH-7 INTER- ROR 601 An error oc- curred attach- ing to the giv- en object. An error oc- curred attach- ing to the giv- en object. ATT ATTACH-7 INTER- ROR 601 An error oc- curred attach- ing to the giv- en object. An error oc- curred attach- ing to the giv- en ob- ject. ATT ATTACH-7 INTER- ROR 601 An error oc- curred attach- ing to the giv- en ob- ject. An error oc- curred attach- ing to the giv- en ob- ject. ATT ATTACH-7 INTER- ROR 602 The Object The Ob- could not be date to an un- derlying ob- ject failed.								
MENTNAL_ER- RORmade to the object of this to the and cannot be undone. Your tach- database is probably in- consistent, run the consis- tency tool.done object added run the consis- to un- done. Your database is prob- ably in- consistent, run the consis- tency tool.ATTATTACH- MENT7INTER- NAL_ER- ROR601An error oc- curred attach- run the consistent, run the consis- tency tool.An error oc- ing to the giv- en ob- ject.ATTATTACH- MENT7INTER- NAL_ER- ROR601An error oc- curred attach- ror oc- ing to the giv- en ob- ject.An er- curred attach- ror oc- ing to the giv- en ob- ject.ATTATTACH- MENT7INTER- NAL_ER- ROR601An error oc- curred attach- ror oc- ing to the giv- en ob- ject.ATTATTACH- MENT7INTER- NAL_ER- ROR601An error oc- curred attach- ror oc- ing to the giv- en ob- ject.ATTATTACH- MENT7INTER- NAL_ER- ROR602The ObjectATTATTACH- ROR7INTER- ROR602The ObjectATTATTACH- ATTACH- ROR7INTER- ROR602The ObjectATTATTACH- ATTACH- ROR7INTER- ROR602The ObjectATTATTACH- ATTACH- ROR7INTER- ROR602The ObjectATTATTACH- ATTACH- ROR7INTER- ROR60	A	TT	ATTACH-	7	INTER-	600	Changes were	consis- tency tool.
MENTNAL_ER- RORcurred attach- ing to the giv- en object.ror oc- curred attach- ing to 			MENT				made to the object of this attachment and cannot be undone. Your database is probably in- consistent, run the consis-	done to the object this at- tach- ment was added to could not be un- done. Your database is prob- ably in- consis- tent, run the consis- tency
MENT NAL_ER- ROR ing to the giv- en object. attach- ing to the giv- en ob- ject. ATT ATTACH- 7 INTER- MENT NAL_ER- ROR 602 The Object The Ob- ject ould not be detached be- cause the up- not be date to an un- de- tached ject tached be- cause the up-			MENT		NAL_ER-		curred attach- ing to the giv-	ror oc- curred attach- ing to the giv- en ob-
MENT NAL_ER- ROR detached be- could cause the up- date to an un- de- derlying ob- ject failed. be- cause the up-	A	TT		7	NAL_ER- ROR		curred attach- ing to the giv-	ror oc- curred attach- ing to the giv- en ob- ject.
		ЛТ		7	NAL_ER-	602	could not be detached be- cause the up- date to an un- derlying ob-	ject could not be de- tached be- cause the up-



						an un- derly- ing ob- ject failed.
ATT	ATTACH- MENT	7	INTER- NAL_ER- ROR	602	The object could not be detached be- cause the up- date to an un- derlying ob- ject failed.	
ATT	ATTACH- MENT	8	CODE_ER- ROR	100	Invalid SQL Query: %s	An in- valid SQL Query was sent to the Server. This can on- ly be fixed in R&D.
ATT	ATTACH- MENT	8	CODE_ER- ROR	101	Invalid SQL Query: %s	An in- valid SQL Query was sent to the Server. This can on- ly be fixed in R&D.
ATT	ATTACH- MENT	8	CODE_ER- ROR	200	Invalid SQL query: %s	An in- valid SQL query was sent to the Server.



ATT	ATTACH- MENT	8	CODE_ER- ROR	201	Invalid SQL query: %s	This can on- ly be fixed in R&D. An in- valid SQL query was sent to
ATT	ATTACH- MENT	8	CODE_ER- ROR	300	Invalid SQL Query: %s	the Server. This can on- ly be fixed in R&D. An in- valid
						SQL Query was sent to the Server. This can on- ly be fixed in
ATT	ATTACH- MENT	8	CODE_ER- ROR	301	Invalid SQL Query: %s	R&D. An in- valid SQL Query was sent to the Server. This can on- ly be
ATT	ATTACH- MENT	8	CODE_ER- ROR	402	Cannot gener- ate ID for new attachment: %s	fixed in R&D. An SQL



ATT ATTACH- 8 CODE_ER- ROR 403 Invalid SQL query: %s An in- valid SQL query was sent to the server ATT ATTACH- 8 CODE_ER- ROR 406 Invalid SQL query: %s An in- valid SQL query was sent to the database ATT ATTACH- 8 CODE_ER- ROR 406 Invalid SQL query: %s An in- valid SQL query was sent to the database ATT ATTACH- 8 CODE_ER- ROR 409 Invalid SQL query: %s An in- valid SQL query was sent to the database ATT ATTACH- 8 CODE_ER- ROR 410 Invalid SQL query: %s An in- valid SQL query was sent to the database ATT ATTACH- 8 CODE_ER- ROR 411 Invalid SQL query: %s An in- valid SQL query was sent to the database ATT ATTACH- 8 CODE_ER- ROR 411 Invalid SQL query: %s An in- valid SQL query was sent to the database ATT ATTACH- 8 CODE_ER- ROR 412 Invalid SQL query: %s An in- valid sQL query was sent to the database ATT ATTACH- 8 CODE_ER- ROR 412 Invalid SQL query: %s An in- valid sQL						
ATT MENTATTACH- MENT8CODE_ER- ROR406Invalid SQL query: %sServer An in- query: %sATT MENTATTACH- MENT8CODE_ER- ROR409Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.ATT MENTATTACH- MENT8CODE_ER- ROR409Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.ATT ATT MENTATTACH- 88CODE_ER- ROR410Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.ATT MENTATTACH- 88CODE_ER- ROR411Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.ATT MENTATTACH- 88CODE_ER- ROR411Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.ATT MENTATTACH- 88CODE_ER- ROR412Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.ATT MENT8CODE_ER- ROR412Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.ATT MENTATTACH- 88CODE_ER- ROR414Invalid SQL query: %sAn in- valid sQL query was sent to the dtabase.	ATT		8	403		tach- ment. An in- valid SQL query was sent to
ATT MENTATTACH- MENT8CODE_ER- ROR409 RORInvalid SQL query: %sAn in- valid SQL query was sent to the databaseATTATTACH- MENT8CODE_ER- ROR410 RORInvalid SQL atabaseAn in- valid SQL query was sent to 	ATT		8	406		server An in- valid SQL query was sent to the
ATTATTACH- 8 MENTCODE_ER- ROR410Invalid SQL query: %sAn in- valid SQL query was sent to the databaseATTATTACH- 8 MENTCODE_ER- ROR411Invalid SQL query: %sAn in- valid SQL query was sent to the databaseATTATTACH- 8 MENTCODE_ER- 	ATT	-	8	409		An in- valid SQL query was sent to the
ATTATTACH- 8 MENTCODE_ER- ROR411Invalid SQL query: %sAn in- valid SQL query was sent to the database.ATTATTACH- 8 MENTCODE_ER- ROR412Invalid SQL query: %sAn in- valid SQL query was sent to 	ATT		8	410		An in- valid SQL query was sent to the
ATT ATTACH- 8 MENT CODE_ER- 412 ROR Invalid SQL query: %s An in- valid SQL query was sent to the database. ATT ATTACH- 8 MENT CODE_ER- 414 ROR Invalid SQL query: %s An in- valid SQL query was sent to the database.	ATT		8	 411		An in- valid SQL query was sent to the
ATT ATTACH- 8 CODE_ER- 414 Invalid SQL An in- MENT ROR query: %s valid	ATT		8	412	-	An in- valid SQL query was sent to the
	ATT		8	414		An in- valid



ATT	ATTACH- MENT	8	CODE_ER- ROR	417	Could not re- move attach- ments from database. Context: %d.	not re- move attach- ments from database. Con-	
ATT	ATTACH- MENT	8	CODE_ER- ROR	701	Invalid param- eter sent in request. Pa- rameter '%s'	text: %d.	
ATT	ATTACH- MENT	8	CODE_ER- ROR	801	was '%s' which does not look like a number Invalid param- eter sent in		
					request. Pa- rameter '%s' was '%s' which does not look like a number		
CAC	CACHE	8	CODE_ER- ROR	1	A cache error occurred: %1\$s	TODO	com.openex- change.caching.Cache- Exception
CAC	CACHE	8	CODE_ER- ROR	3	An I/O error occurred: %1\$s	TODO	com.openex- change.caching.Cache- Exception
CAC	CACHE	8	CODE_ER- ROR	5	The default el- ement at- tributes could not be re- trieved	TODO	com.openex- change.caching.Cache- Exception
CAC	CACHE	8	CODE_ER- ROR	5	The default el- ement at- tributes could not be as- signed	TODO	com.openex- change.caching.Cache- Exception
CAC	CACHE	8	CODE_ER- ROR	6	Put into cache failed.	TODO	com.openex- change.caching.Cache- Exception
CAC	CACHE	8	CODE_ER- ROR	7	Safe put into cache failed. An object bound to giv- en key already exists.	TODO	com.openex- change.caching.Cache- Exception



CAC	CACHE	8	CODE_ER- ROR	8	Remove on cache failed	TODO	com.openex- change.caching.Cache- Exception
CAC	CACHE	10	SETUP_ER- ROR	2	Missing cache config file at location: %1\$s		com.openex- change.caching.Cache- Exception
CAC	CACHE	10	SETUP_ER- ROR	4	Missing confi- guration prop- erty: %1\$s		com.openex- change.caching.Cache- Exception
CFG	Configu- Ration	8	CODE_ER- ROR	8	Property %1\$s is not an inte- ger	TODO	com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	8	CODE_ER- ROR	9	An I/O error occurred: %1\$s	TODO	com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	10	SETUP_ER- ROR	1	Filename for property file is not defined.	TODO	com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	10	SETUP_ER- ROR	2	File %1\$s does not exist.		com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	10	SETUP_ER- ROR	3	File %1\$s is not readable.	TODO	com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	10	SETUP_ER- ROR	4	Cannot read file %1\$s.	TODO	com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	10	SETUP_ER- ROR	5	Property %1\$s is not defined.		com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	10	SETUP_ER- ROR	6	Cannot load class %1\$s.	TODO	com.openexchange.con- figuration.Configura- tionException
CFG	Configu- Ration	10	SETUP_ER- ROR	7	Invalid confi- guration: %1\$s	TODO	com.openexchange.con- figuration.Configura- tionException
CSTY	CONSIS- TENCY	7	INTER- NAL_ER- ROR	201	Could not reg- ister Consisten- cy MBean. In- ternal Error: %s		
CSTY	CONSIS- TENCY	7	INTER- NAL_ER- ROR	202	Could not un- register Consis- tency MBean. Internal Error: %s		
CSTY	CONSIS- TENCY	7	INTER- NAL_ER- ROR	301	Error commu- nicating with mbean in server: %s		
CON	CON- TACT	1	USER_IN- PUT	100	The applica- tion was un- able to vali-	0	



CON	CON-	1	USER IN-	101	date a given email address from this con- tact: %s Unable to	1
	TACT		PUT		scale this con- tact image. Ei- ther the file type is not supported or the image is too large. Your mime type is %1\$s and your im- age size is %2\$d. The max. allowed image size is %3\$d.	
CON	CON- TACT	1	USER_IN- PUT	102	This gif image is too large. It can not be scaled and will not be accept- ed	2
CON	CON- TACT	1	USER_IN- PUT	122	No changes found. No up- date re- quiered. Con- text %1\$d Ob- ject %2\$d	22
CON	CON- TACT	1	USER_IN- PUT	136	Unable to save contact image. The image appears to be broken.	36
CON	CON- TACT	1	USER_IN- PUT	138	Unable to up- date contact image. The image appears to be broken.	38
CON	CON- TACT	1	USER_IN- PUT	156	One or more fields contain too much in- formation. Field: %1\$d Character Lim- it: %2\$d Sent %3\$d	56
CON	CON- TACT	1	USER_IN- PUT	168	Bad character in field %2\$s. Error: %1\$s	68



CON	CON- TACT	1	USER_IN- PUT	170	Mime type is null	70
CON	CON- TACT	1	USER_IN- PUT	171	A contact with private flag cannot be stored in a public folder. Folder: %1\$d context %2\$d user %3\$d	71
CON	CON- TACT	1	USER_IN- PUT	172	Image size too large. Image size: %1\$d. Max. size: %2\$d.	72
CON	CON- TACT	1	USER_IN- PUT	400	Number of documents at- tached to this contact is be- low zero. You can not re- move any more attach- ments.	
CON	CON- TACT	3	PERMIS- SION	103	You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	3
CON	CON- TACT	3	PERMIS- SION	104	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	4
CON	CON- TACT	3	PERMIS- SION	105	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	5
CON	CON- TACT	3	PERMIS- SION	110	You are not allowed to store this con- tact in a non-	10



					contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	
CON	CON- TACT	3	PERMIS- SION	111	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	11
CON	CON- TACT	3	PERMIS- SION	112	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	12
CON	CON- TACT	3	PERMIS- SION	113	You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	13
CON	CON- TACT	3	PERMIS- SION	114	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	14
CON	CON- TACT	3	PERMIS- SION	115	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	15
CON	CON- TACT	3	PERMIS- SION	117	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d	17



					with user %3\$d	
CON	CON- TACT	3	PERMIS- SION	118	You are not allowed to mark this con- tact as private contact: Con- text %1\$d Ob- ject %2\$d	18
CON	CON- TACT	3	PERMIS- SION	119	Edit Conflict. Your change cannot be completed be- cause some- body else has made a con- flicting change to the same item. Please refresh or syn- chronize and try again.	19
CON	CON- TACT	3	PERMIS- SION	142	You do not have permis- sion to delete objects from folder %1\$d in context %2\$d with user %3\$d	42
CON	CON- TACT	3	PERMIS- SION	147	Unable to delete Con- tacts from this user. Context %1\$d User %2\$d	47
CON	CON- TACT	3	PERMIS- SION	152	Unable to delete con- tacts from us- er because this is a non- contact fold- er. Context %1\$d Folder %2\$d User %3\$d	52
CON	CON- TACT	3	PERMIS- SION	157	Unable to trig- ger object Events: Con- text %1\$d Us- er %2\$d	57
CON	CON- TACT	3	PERMIS- SION	165	Unable to move this contact be-	65



					cause it is marked as pri- vate: Context %1\$d Object %2\$d	
CON	CON- TACT	3	PERMIS- SION	169	You do not have permis- sion to delete objects from folder %1\$d in context %2\$d with user %3\$d	69
CON	CON- TACT	3	PERMIS- SION	173	Primary email address in sys- tem contact must not be edited: Con- text %1\$d Ob- ject %2\$d Us- er %3\$d	73
CON	CON- TACT	3	PERMIS- SION	174	The contact %1\$d is not located in folder %2\$s (%3\$d)	74
CON	CON- TACT	3	PERMIS- SION	202	You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	2
CON	CON- TACT	3	PERMIS- SION	204	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	4
CON	CON- TACT	3	PERMIS- SION	205	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	5
CON	CON- TACT	3	PERMIS- SION	209	You do not have permis-	9



CON	601	2		210	sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	10
CON	CON- TACT	3	PERMIS- SION	210	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	10
CON	CON- TACT	3	PERMIS- SION	215	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	15
CON	CON- TACT	3	PERMIS- SION	216	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	16
CON	CON- TACT	3	PERMIS- SION	222	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	22
CON	CON- TACT	3	PERMIS- SION	223	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	23
CON	CON- TACT	3	PERMIS- SION	228	You do not have permis- sion to read objects in folder %1\$d in context %2\$d with user %3\$d	28



CON	CON- TACT	3	PERMIS- SION	232	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	32
CON	CON- TACT	3	PERMIS- SION	242	You do not have permis- sion to delete objects from folder %1\$d in context %2\$d with user %3\$d	42
CON	CON- TACT	3	PERMIS- SION	246	You do not have permis- sion to delete objects from folder %1\$d in context %2\$d with user %3\$d	46
CON	CON- TACT	3	PERMIS- SION	258	You do not have permis- sion to delete objects from folder %1\$d in context %2\$d with user %3\$d	58
CON	CON- TACT	3	PERMIS- SION	401	Insufficient write rights for this folder. Unable to at- tach docu- ment. Context %4\$d Folder %1\$d Object %2\$d User %3\$d	
CON	CON- TACT	3	PERMIS- SION	402	Insufficient write rights for this folder. Unable to at- tach docu- ment. Context %4\$d Folder %1\$d Object %2\$d User %3\$d	
CON	CON- TACT	4	TRY_AGAIN	158	The image you tried to	58



					attach is not a valid picture. It may be bro- ken or is not a valid file.	
CON	CON- TACT	4	TRY_AGAIN	159	The image you tried to attach is not a valid picture. It may be bro- ken or is not a valid file.	59
CON	CON- TACT	4	TRY_AGAIN	162	Mandatory field last name is not set.	62
CON	CON- TACT	4	TRY_AGAIN	163	Mandatory field last name is not set.	63
CON	CON- TACT	4	TRY_AGAIN	166	Unable to compare con- tacts for up- date. Make sure you have entered a valid display name. Context %1\$d Object %2\$d	66
CON	CON- TACT	4	TRY_AGAIN	167	The name you entered is not available. Choose anoth- er display name. Context %1\$d Object %2\$d	67
CON	CON- TACT	4	TRY_AGAIN	226	The object you requested can not be found. Try again. Context %1\$d Folder %2\$d User %3\$d Object %4\$d	26
CON	CON- TACT	4	TRY_AGAIN	240	Edit Conflict. Your change cannot be completed be- cause some- body else has made a con-	40



					flicting change to the same item. Please refresh or syn- chronize and try again. Con- text %1\$d Folder %2\$d User %3\$d Object %4\$d	
CON	CON- TACT	4	TRY_AGAIN	259	The contact you requested is not valid.	59
CON	CON- TACT	6	SOCK- ET_CON- NECTION	203	Unable to pick up a connec- tion from the DBPool	3
CON	CON- TACT	6	SOCK- ET_CON- NECTION	207	Unable to pick up a connec- tion from the DBPool	7
CON	CON- TACT	6	SOCK- ET_CON- NECTION	213	Unable to pick up a connec- tion from the DBPool	13
CON	CON- TACT	6	SOCK- ET_CON- NECTION	219	Unable to pick up a connec- tion from the DBPool	19
CON	CON- TACT	6	SOCK- ET_CON- NECTION	220	Unable to pick up a connec- tion from the DBPool	20
CON	CON- TACT	6	SOCK- ET_CON- NECTION	229	Unable to pick up a connec- tion from the DBPool	29
CON	CON- TACT	6	SOCK- ET_CON- NECTION	230	Unable to pick up a connec- tion from the DBPool	30
CON	CON- TACT	6	SOCK- ET_CON- NECTION	236	Unable to pick up a connec- tion from the DBPool	36
CON	CON- TACT	6	SOCK- ET_CON- NECTION	243	Unable to pick up a connec- tion from the DBPool	43
CON	CON- TACT	6	SOCK- ET_CON- NECTION	245	Unable to pick up a connec- tion from the DBPool	45



CON	CON- TACT	6	SOCK- ET_CON- NECTION	247	Unable to pick up a connec- tion from the DBPool	47
CON	CON- TACT	8	CODE_ER- ROR	106	Unable to in- sert contacts! Context: %d	6
CON	CON- TACT	8	CODE_ER- ROR	107	Got a -1 ID from IDGener- ator	7
CON	CON- TACT	8	CODE_ER- ROR	108	Unable to scale image down.	8
CON	CON- TACT	8	CODE_ER- ROR	109	Unable to in- sert Contact. Context: %d	9
CON	CON- TACT	8	CODE_ER- ROR	116	Unable to syn- chronize the old contact with the new changes: Con- text %1\$d Ob- ject %2\$d	16
CON	CON- TACT	8	CODE_ER- ROR	120	Unable to up- date contact. Context %1\$d Object %2\$d	20
CON	CON- TACT	8	CODE_ER- ROR	121	An error oc- curred: Object id is -1	21
CON	CON- TACT	8	CODE_ER- ROR	123	Unable to scale image down.	23
CON	CON- TACT	8	CODE_ER- ROR	124	Unable to up- date contact. Context %1\$d Object %2\$d	24
CON	CON- TACT	8	CODE_ER- ROR	125	Contact not found! Con- text %1\$d	25
CON	CON- TACT	8	CODE_ER- ROR	126	Unable to load contact: Context %1\$d	26
CON	CON- TACT	8	CODE_ER- ROR	127	Unable to delete Con- tact: Context %1\$d Contact %2\$d	27
CON	CON- TACT	8	CODE_ER- ROR	128	Unable to load dristribu- tionlist: Con- text %1\$d Contact %2\$d	28



CONCON-8CODE_ER-129Unable to save dristribu- tionist: Con- text %15d Contact %25dCONCON-8CODE_ER-130Unable to up- 30TACTROR130Unable to up- 30TACTROR131Unable to up- 30CONCON-8CODE_ER-131Unable to delete dristri- butionlist by id : Contact %25dCONCON-8CODE_ER-131Unable to delete dristri- butionlist by id : Contact %25dCONCON-8CODE_ER-132Unable to save Linking between con- tacts : Context %15d Contact %25dCONCON-8CODE_ER-133Unable to save Linking between con- tacts : Context %15d Contact %25dCONCON-8CODE_ER-134Unable to save Linking between con- tacts : Context %15d Contact %25dCONCON-8CODE_ER-134Unable to delete linking between con- tacts : Context %15d Contact %25dCONCON-8CODE_ER-135Ioad contact %25dCONCON-8CODE_ER-137Unable to save contact mage: Con- text %15dCONCON-8CODE_ER-137Unable to save contact mage: Con- text %15dCONCON-8CODE_ER-137Unable to save contact mage: Con- text %15dCONCON-8CODE_ER-139Unable to save contact mage: Con- text %15d <th></th> <th></th> <th></th> <th></th> <th></th>					
CONCON-8CODE_ER- ROR130Unable to up- date dristribu- tionilist: Con- text %1\$d Contact %2\$dCONCON-8CODE_ER- ROR131Unable to delete dristri- butionilist by id : Context %1\$d Contact %2\$dCONCON-8CODE_ER- ROR132Unable to delete dristri- butionilist by id : Context %1\$d Contact %2\$dCONCON-8CODE_ER- ROR132Unable to date dristri- butionilist by id : Context %1\$d Contact %2\$dCONCON-8CODE_ER- ROR133Unable to save Linking between Con- tacts : Context %1\$d Contact %2\$dCONCON-8CODE_ER- ROR134Unable to delete linking between con- tacts : Context %1\$d Contact %2\$dCONCON-8CODE_ER- ROR135Inable to date contact %2\$dCONCON-8CODE_ER- ROR135Inable to date contact %2\$dCONCON-8CODE_ER- ROR135Inable to date contact %2\$dCONCON-8CODE_ER- ROR137Unable to save contact image: Con- text %1\$d Contact %2\$dCONCON-8CODE_ER- ROR139Inable to up- 39CONCON-8CODE_ER- ROR139Unable to up- 39CONCON-8CODE_ER- ROR139Unable to up- 39CONCON- TACT8CODE_ER- ROR139Unable	CON	8	 129	save dristribu- tionlist: Con- text %1\$d	29
CONCON-8CODE_ER- ROR131Unable to31 delete dristri- butionist by id : Context %1\$d Contact %2\$dCONCON-8CODE_ER- ROR132Unable to contact \$2\$d32 contact \$2\$dCONCON-8CODE_ER- 	CON	8	130	Unable to up- date dristribu- tionlist : Con- text %1\$d	30
TACTRORload linked contacts: Context %1\$d Contact %2\$dCONCON- TACT8CODE_ER- ROR133 save Linking between Con- tacts: Context %1\$d Contact 	CON	8	 131	Unable to delete dristri- butionlist by id : Context %1\$d Contact	31
TACTRORsave Linking between Con- tacts : Context %1\$d ContactCONCON- TACT8CODE_ER- ROR134CONCON- TACT8CODE_ER- ROR134CONCON- TACT8CODE_ER- ROR135CONCON- TACT8CODE_ER- ROR135CONCON- TACT8CODE_ER- ROR135CONCON- TACT8CODE_ER- ROR137CONCON- 	CON	8	132	load linked contacts : Context %1\$d	32
CON TACT8CODE_ER- ROR134Unable to delete linking between con- tacts : Context %1\$d Contact 	CON	8	 133	save Linking between Con- tacts : Context %1\$d Contact	33
CONCON- TACT8CODE_ER- ROR135Unable to load contact image: Con- text %1\$d Contact %2\$dCONCON- TACT8CODE_ER- ROR137Unable to save contact Image: Con- text %1\$d Contact %2\$dCONCON- 	CON	8	134	Unable to delete linking between con- tacts : Context %1\$d Contact	34
CONCON- TACT8CODE_ER- ROR137Unable to save contact Image: Con- text %1\$d Contact %2\$dCONCON- TACT8CODE_ER- ROR139Unable to up- date contact image: Con- text %1\$d Contact %2\$dCONCON- 	CON	8	 135	load contact image: Con- text %1\$d	35
CON CON- 8 CODE_ER- 139 Unable to up- 39 TACT ROR date contact image: Con- text %1\$d CON CON- 8 CODE_ER- 140 Unable to per- 40 TACT ROR form contact folder check for readable	CON	8	 137	Unable to save contact Image: Con- text %1\$d	37
CON CON- 8 CODE_ER- 140 Unable to per- 40 TACT ROR form contact folder check for readable for readable	CON	8	 139	Unable to up- date contact image: Con- text %1\$d	39
	CON	8	 140	Unable to per- form contact folder check for readable	40



CON	CON- TACT	8	CODE_ER- ROR	144	text %1\$d Folder %2\$d Critical Error occurred. This folder con- tains a contact	44
CON	CON- TACT	8	CODE_ER- ROR	145	with no id. Context %1\$d Folder %2\$d Unable to delete con- tacts from this folder. Con- text %1\$d	45
CON	CON- TACT	8	CODE_ER- ROR	146	Folder %2\$d Unable to trig- ger object Events: Con- text %1\$d	46
CON	CON- TACT	8	CODE_ER- ROR	148	Folder %2\$d Unable to delete dristri- butionlist by id : Context %1\$d Contact	48
CON	CON- TACT	8	CODE_ER- ROR	149	%2\$d Unable to pick up a connec- tion from the DBPool	49
CON	CON- TACT	8	CODE_ER- ROR	150	Unable to pick up a connec- tion from the DBPool	50
CON	CON- TACT	8	CODE_ER- ROR	151	Unable to pick up a connec- tion from the DBPool	51
CON	CON- TACT	8	CODE_ER- ROR	153	Unable to pick up a connec- tion from the DBPool	53
CON	CON- TACT	8	CODE_ER- ROR	155	Unable to pick up a connec- tion from the DBPool	55
CON	CON- TACT	8	CODE_ER- ROR	160	This contact has no folder id: Entry %1\$d Context %2\$d	60
CON	CON- TACT	8	CODE_ER- ROR	161	This Contact has no FolderID: En-	61



					try %1\$d Con- text %2\$d	
CON	CON- TACT	8	CODE_ER- ROR	200	Unable to ini- tialize Event queue	0
CON	CON- TACT	8	CODE_ER- ROR	201	Unable to ini- tialize Event queue	1
CON	CON- TACT	8	CODE_ER- ROR	206	Unable fetch the number of elements in this Folder. Context %1\$d Folder %2\$d User %3\$d	6
CON	CON- TACT	8	CODE_ER- ROR	208	You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	8
CON	CON- TACT	8	CODE_ER- ROR	211	An error oc- curred during the load of folder objects. Context %1\$d Folder %2\$d User %3\$d	11
CON	CON- TACT	8	CODE_ER- ROR	212	An error oc- curred during the load of folder objects. Context %1\$d Folder %2\$d User %3\$d	12
CON	CON- TACT	8	CODE_ER- ROR	214	You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	14
CON	CON- TACT	8	CODE_ER- ROR	217	An error oc- curred during the load of folder objects by an extend-	17



CON	CON- TACT	8	CODE_ER- ROR	218	ed search. Context %1\$d Folder %2\$d User %3\$d An error oc- curred during the load of folder objects by an extend- ed search. Context %1\$d Folder %2\$d	18
CON	CON- TACT	8	CODE_ER- ROR	221	User %3\$d You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	21
CON	CON- TACT	8	CODE_ER- ROR	224	An error oc- curred during the load of folder objects by a simple search. Con- text %1\$d Folder %2\$d User %3\$d	24
CON	CON- TACT	8	CODE_ER- ROR	225	An error oc- curred during the load of folder objects by a simple search. Con- text %1\$d Folder %2\$d User %3\$d	25
CON	CON- TACT	8	CODE_ER- ROR	227	You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	27
CON	CON- TACT	8	CODE_ER- ROR	231	You are not allowed to store this con-	31



					tact in a non- contact fold- er: folder id %1\$d in con- text %2\$d with user %3\$d	
CON	CON- TACT	8	CODE_ER- ROR	233	You do not have permis- sion to create objects in this folder %1\$d in context %2\$d with user %3\$d	33
CON	CON- TACT	8	CODE_ER- ROR	234	An error oc- curred during the load of modified ob- jects from a folder. Con- text %1\$d Folder %2\$d User %3\$d	34
CON	CON- TACT	8	CODE_ER- ROR	235	An error oc- curred during the load of modified ob- jects from a folder. Con- text %1\$d Folder %2\$d User %3\$d	35
CON	CON- TACT	8	CODE_ER- ROR	237	An error oc- curred during the load of deleted ob- jects from a folder. Con- text %1\$d Folder %2\$d User %3\$d	37
CON	CON- TACT	8	CODE_ER- ROR	238	An error oc- curred during the load of deleted ob- jects from a folder. Con- text %1\$d Folder %2\$d User %3\$d	38
CON	CON- TACT	8	CODE_ER- ROR	239	Unable to delete this contact. Ob-	39



-						
CON	CON- TACT	8	CODE_ER- ROR	241	ject not found. Con- text %1\$d Folder %2\$d User %3\$d Object %4\$d You are not allowed to store this con- tact in a non- contact fold- er: folder id %1\$d in con-	41
CON	CON- TACT	8	CODE_ER- ROR	244	text %2\$d with user %3\$d Unable to delete contact object. Con-	44
CON	CON- TACT	8	CODE_ER- ROR	248	text %1\$d Folder %2\$d User %3\$d Object %4\$d Unable to load objects. Context %1\$d	48
CON	CON- TACT	8	CODE_ER- ROR	249	User %2\$d Unable to load objects. Context %1\$d User %2\$d	49
CON	CON- TACT	8	CODE_ER- ROR	250	Unable to load objects. Context %1\$d User %2\$d	50
CON	CON- TACT	8	CODE_ER- ROR	251	Unable to load objects. Context %1\$d User %2\$d	51
CON	CON- TACT	8	CODE_ER- ROR	256	Unable to ini- tialize Event queue	56
CON	CON- TACT	8	CODE_ER- ROR	500	Need at least a ContactOb- ject and a val- ue to set %s	
CON	CON- TACT	8	CODE_ER- ROR	600	Could not convert given string %s to a date.	
CON	CON- TACT	8	CODE_ER- ROR	600	Could not convert given object %s to a	



					date when setting %s.	
CON	CON- TACT	8	CODE_ER- ROR	800	Need at least a ContactOb- ject to get the value of %s	
CON	CON- TACT	8	CODE_ER- ROR	910	Unable to pick up a connec- tion from the DBPool	10
CON	CON- TACT	8	CODE_ER- ROR	913	Unable to load this LDAP addressbook: %1\$s	13
CON	CON- TACT	10	SETUP_ER- ROR	900	Unablel to load this LDAP addressbook. Check the configuration for this LDAP server: Folder %1\$d Context %2\$d	0
CON	CON- TACT	10	SETUP_ER- ROR	901	Unablel to read this Ob- ject from this LDAP address- book. Check the configura- tion for this LDAP server: Object %1\$d Folder %2\$d Context %3\$d	1
CON	CON- TACT	10	SETUP_ER- ROR	902	Unablel to load this LDAP addressbook. Check the configuration for this LDAP server: Folder %1\$d Context %2\$d	2
CON	CON- TACT	10	SETUP_ER- ROR	903		3
CON	CON- TACT	10	SETUP_ER- ROR	904		4



CON	CON- TACT	10	SETUP_ER- ROR	905	Folder %1\$d Context %2\$d Unablel to load this LDAP addressbook. Check the configuration for this LDAP server: Folder %1\$d Context %2\$d	5
CON	CON- TACT	10	SETUP_ER- ROR	906	Unablel to load this LDAP addressbook. Check the configuration for this LDAP server: Folder %1\$d Context %2\$d	6
CON	CON- TACT	10	SETUP_ER- ROR	907	This action is not supported in this LDAP addressbook: Folder %1\$d Context %2\$d	7
CON	CON- TACT	10	SETUP_ER- ROR	908	You are not allowed to see this address- book! Folder %1\$d Context %1\$d	8
CON	CON- TACT	10	SETUP_ER- ROR	909	You are not allowed to see this address- book! Folder %1\$d Context %1\$d	9
CON	CON- TACT	10	SETUP_ER- ROR	911		11
CON	CON- TACT	10	SETUP_ER- ROR	912		12
CON	CON- TACT	10	SETUP_ER- ROR	914		14



CON	CON- TACT	10	SETUP_ER- ROR	915	Folder %1\$d Context %2\$d This action is not supported in this LDAP addressbook:	15	
CON	CON- TACT	10	SETUP_ER- ROR	916	Folder %1\$d Context %2\$d This action is not supported in this LDAP addressbook:	16	
CON	CON- TACT	12	TRUNCAT- ED	154	Folder %1\$d Context %2\$d Import failed. Some data en- tered exceed the database	54	
					field limit. Please shorten following en- tries: %1\$s Character Lim- it: %2\$s Sent %3\$s		
СТХ	CONTEXT	1	USER_IN- PUT	10	Cannot find context %s.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
СТХ	CONTEXT	4	TRY_AGAIN	7	Updating database Try again lat- er.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
СТХ	CONTEXT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	5	Cannot get connection to database.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
СТХ	CONTEXT	7	INTER- NAL_ER- ROR	3	Cannot put object %s into cache.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
СТХ	CONTEXT	7	INTER- NAL_ER- ROR	9	Cannot re- move object %s from cache.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
СТХ	CONTEXT	8	CODE_ER- ROR	6	SQL problem: %1\$s.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
СТХ	CONTEXT	10	SETUP_ER- ROR	1	Cannot re- solve mailad- min for con- text %d.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion



СТХ	CONTEXT	10	SETUP_ER- ROR	2	Cannot find context %d.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
СТХ	CONTEXT	10	SETUP_ER- ROR	8	Problem initial- izing the cache.	TODO	com.openex- change.groupware.con- texts.impl.ContextExcep- tion
DBP	DB_POOL- ING	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1	Cannot get connection to config DB.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	5	SUBSYS- TEM_OR_SER- VICE_DOWN	3	Cannot get connection to database %d.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	5	SUBSYS- TEM_OR_SER- VICE_DOWN	12	Connection used for %1\$d milliseconds.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	6	SOCK- ET_CON- NECTION	4	Cannot set schema in database con- nection.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	2	Resolving database for context %1\$d and server %2\$d not pos- sible!	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	5	Null is re- turned to con- nection pool.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	6	Problem with executing SQL: %s	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	7	Cannot get in- formation for pool %d.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	9	Cannot return connection to pool %d.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	11	%s is not initial- ized.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	13	%1\$d state- ments aren't closed.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	8	CODE_ER- ROR	14	Connection not reset to auto commit.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DBP	DB_POOL- ING	10	SETUP_ER- ROR	8	Driver class missing.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion



DBP	DB_POOL- ING	10	SETUP_ER- ROR	10	Server name is not defined.	TODO	com.openexchange.serv- er.impl.DBPoolingExcep- tion
DEL	DELETE_EMENT	8	CODE_ER- ROR	1	Unknown delete event type: %1\$d	TODO	com.openex- change.group- ware.delete.Delete- FailedException
DEL	DELETE_EMENT	8	CODE_ER- ROR	2	A SQL error occurred: %1\$s	TODO	com.openex- change.group- ware.delete.Delete- FailedException
DEL	DELETE_EMENT	8	CODE_ER- ROR	3	An error oc- curred: %1\$s	TODO	com.openex- change.group- ware.delete.Delete- FailedException
DOW	down- Grad <u>e Ev</u> ent	8	CODE_ER- ROR	1	A SQL error occurred: %1\$s	TODO	com.openex- change.group- ware.downgrade.Down- gradeFailedException
DOW	down- Grade_Event	8	CODE_ER- ROR	2	An error oc- curred: %1\$s	TODO	com.openex- change.group- ware.downgrade.Down- gradeFailedException
FLS	FILE- STORE	1	USER_IN- PUT	3	The file can- not be added to filestore. File size: %s Quota: %s Used: %s	TODO	com.openex- changetoolsfileQuotaFileStor- ageException
FLS	FILE- STORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	3	An IO error occurred: %s	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	4	Couldn't reach the file- store: %s	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	13	Cannot re- move lock file.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	14	Cannot create lock file.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	15	Cannot create file %1\$s.		com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	16	Eliminating the FileStor- age failed.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	305	Can't access DBPool	No De- scrip- tion	
FLS	FILE- STORE	7	INTER- NAL_ER- ROR	4	A file storage error oc- curred on the	TODO	com.openex- changetoolsfileQuotaFileStor- ageException



					server. Please try again later. Additional in- formation: file storage id: %1\$s, context id: %2\$s, mes- sage from the low-level file storage class: %3\$s		
FLS	FILE- STORE	8	CODE_ER- ROR	1	Invalid con- structor pa- rameter at %1\$d with type %2\$s.	TODO	com.openex- changetoolsfileQuotaFileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	2	An invalid SQL query was sent to the server.	TODO	com.openex- changetoolsfileQuotaFileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	5	Invalid con- structor pa- rameter at %1\$d with type %2\$s.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	7	• •	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	8	'Entries' must be >= 1 but is %1\$d.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	9	Unsupported encoding.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	10	Number pars- ing problem.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	12	'Depth' mis- match while computing next entry.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	8	CODE_ER- ROR	201	Wrong file- store %1\$d for context %2\$d needing file- store %3\$d.		
FLS	FILE- STORE	8	CODE_ER- ROR	306	Got SQL Excep- tion	No De- scrip- tion	
FLS	FILE- STORE	10	SETUP_ER- ROR	1	Cannot find property %s.	TODO	com.openex- change.tools.file.FileStor- ageException



FLS	FILE- STORE	10	SETUP_ER- ROR	2	Class %s can not be loaded.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	10	SETUP_ER- ROR	6	Cannot create directory %1\$s for FileStor- age.	TODO	com.openex- change.tools.file.FileStor- ageException
FLS	FILE- STORE	10	SETUP_ER- ROR	202	Problem with URI when cre- ating context specific file- store location.		
FLS	FILE- STORE	10	SETUP_ER- ROR	303	Cannot find filestore with id %1\$d.		
FLS	FILE- STORE	10	SETUP_ER- ROR	304	Cannot create URI from %1\$s.		
FLS	FILE- STORE	11	exter- NAL_RE- Source_full	11	File storage is full.	TODO	com.openex- change.tools.file.FileStor- ageException
FLD	FOLDER	1	USER_IN- PUT	58	Bad value %1\$s in param- eter %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	1	USER_IN- PUT	71	Owner %1\$s of default folder %2\$s must keep the folder admin permission	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	1	USER_IN- PUT	76	Folder con- tains invalid data: %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	1	USER_IN- PUT	77			
Please enter an- other name to share the fold- er.	TODO	com.openex- change.tools.ox- folder.OX- FolderExcep- tion					
FLD	FOLDER	1	USER_IN- PUT	78	Folder mod- ule cannot be updated since folder is not empty	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	2	USER_CON- FIGURA- TION	2	User %1\$s has no access to module %2\$s in context	TODO	com.openex- change.tools.oxfold- er.OXFolderException



-							
					%3\$s due to user configura- tion		
FLD	FOLDER	2	USER_CON- FIGURA- TION	4	User %1\$s has no access on shared folder %2\$s in con- text %3\$s due to user confi- guration	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	2	USER_CON- FIGURA- TION	5	User %1\$s has no write ac- cess on public folder %2\$s in context %3\$s due to user configuration	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	2	USER_CON- FIGURA- TION	72	User %1\$s is not allowed to share folder %2\$s in con- text %3\$s due to user confi- guration	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	2	USER_CON- FIGURA- TION	73	Defined per- missions for folder %1\$s in context %2\$s are not appli- cable to user %3\$s due to user configura- tion	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	3	Folder %1\$s not visible to user %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	6	User %1\$s has no create-sub- folder permis- sion on folder %2\$s in con- text %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	10	User %1\$s has no admin ac- cess to folder %2\$s in con- text %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	11	Default folder %1\$s cannot be renamed in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException



FLD	FOLDER	3	PERMIS- SION	12	A duplicate folder exists in parent folder %1\$s in con- text %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	21	Not allowed to move de- fault folder %1\$s in con- text %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	22	Target folder %1\$s contains a duplicate folder in con- text %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	23	Shared folder %1\$s cannot be moved in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	24	Shared folder %1\$s cannot be target of move opera- tion in con- text %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	25	System folder %1\$s cannot be moved in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	26	Private folder %1\$s can only be moved to a private fold- er in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	27	Public folder %1\$s can only be moved to a public folder in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	28	Target and source folder cannot be equal in con- text %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	29	User %1\$s is not allowed to move all sub- folders of folder %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException



FLD	FOLDER	3	PERMIS- SION	30	User %1\$s is not allowed to delete shared folder %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	31	User %1\$s is not allowed to delete default folder %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	32	User %1\$s is not allowed to delete all con- tained objects in folder %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	49	A source fold- er of module %1\$s must not be moved to a target folder of module %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	54	User %1\$s has no write per- mission on folder %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	63	Shared folder %1\$s MUST NOT be updat- ed in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	69	No subfolder creation un- derneath shared folder %1\$s in con- text %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	70	User %1\$s grants invalid permissions on shared folder %2\$s in context %3\$s. Only owner of parental shared folder %4\$s may be folder admin	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	3	PERMIS- SION	74	Folder %1\$s in context %2\$s contains a hid-	TODO	com.openex- change.tools.oxfold- er.OXFolderException



		2		75	den subfolder. User %3\$s has no delete rights for this subfolder and consequently cannot delete its parent folder.		
FLD	FOLDER	3	PERMIS- SION	75	An infostore folder named %1\$s already exists below folder %2\$s (%3\$s) in con- text %4\$s. Please choose another dis- play name.	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	7	INTER- NAL_ER- ROR	36	Folder %1\$s could not be put into cache in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	7	INTER- NAL_ER- ROR	67	A runtime er- ror occurred in context %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	7	Missing field %1\$s in folder %2\$s in con- text %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	8	Folder %1\$s does not exist in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	13	Parent folder %1\$s does not allow folder's type setting %2\$s in con- text %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	14	Parent folder %1\$s does not allow folder's module set- ting (%2\$s) in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	15	Only one ad- min permis- sion is allowed on a private folder	TODO	com.openex- change.tools.oxfold- er.OXFolderException



FLD	FOLDER	8	CODE_ER- ROR	16	A group must not hold ad- min permis- sion on a pri- vate folder	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	17	Only folder owner may hold admin permission on a private fold- er	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	18	Administra- tion rights re- quired. In the Rights tab add at least one user with ad- ministration rights.	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	19	Invalid object ID %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	20	Not allowed to change par- ent id of fold- er %1\$s through an update call. Use move method in- stead	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	33	No admin us- er found in context %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	34	No default folder could be found in module %1\$s for user %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	35	Folder %1\$s could not be loaded in con- text %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	37	Effective per- mission of folder %1\$s could not be determined for user %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException



FLD	FOLDER	8	CODE_ER- ROR	38	An SQL error occurred in context %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	39	An SQL error occurred in context %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	41	Delivered se- quence id %1\$s from database is less than al- lowed min. folder id of %2\$s in con- text %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	42	Module %1\$s is unknown in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	43	Folder %1\$s could not be updated in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	44	Invalid entity id %1\$s detect- ed in permis- sions of folder %2\$s in con- text %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	45	Folder %1\$s must not be moved to one of its subfold- ers in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	46	UNKNOWN EXCEPTION	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	47	occurred in context %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	48	Attribute %1\$s is not set in FolderObject instance %2\$s in context %3\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	50	Operation not executable on folder %1\$s in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	51	Folder cache (region name = %1\$s) could not be initial-	TODO	com.openex- change.tools.oxfold- er.OXFolderException



-							
					ized due to following rea- son: %2\$s		
FLD	FOLDER	8	CODE_ER- ROR	52	Folder cache has not been enabled in config file %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	53	Folder %1\$s could not be removed from folder cache	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	55	A JSON error occurred: %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	56	Unknown pa- rameter con- tainer type: %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	57	Missing param- eter %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	59	Unknown field: %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	60	Parameter %1\$s does not match JSON key %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	61	Invalid permis- sion values: fp=%1\$s orp=%2\$s owp=%3\$s odp=%4\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	62	Unknown ac- tion: %1\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	65	Unable to map OCL per- mission value %1\$s to a JSON permis- sion value	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	66	Folder exis- tence cannot be checked due to unsuffi- cient folder information)	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	8	CODE_ER- ROR	68	This method is not applicable to an IMAP permission	TODO	com.openex- change.tools.oxfold- er.OXFolderException

Error codes



FLD	FOLDER	9	Concur- Rent_Mod- IFICATION	9	Folder %1\$s has been modified after last sync timestamp in context %2\$s	TODO	com.openex- change.tools.oxfold- er.OXFolderException
FLD	FOLDER	12	TRUNCAT- ED	64	The attribute %1\$s contains too much characters. Current length %3\$d is more than allowed length of %2\$d charac- ters.	TODO	com.openex- change.tools.oxfold- er.OXFolderException
GRP	GROUP	1	USER_IN- PUT	4	The mandato- ry field %1\$s is not defined.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	1	USER_IN- PUT	5	The simple name contains this not al- lowed charac- ters: %1\$s.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	1	USER_IN- PUT	6	Another group with same identifi- er name ex- ists: %1\$d.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	1	USER_IN- PUT	7	Group con- tains a not ex- isting member %1\$d.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	1	USER_IN- PUT	8	Group con- tains invalid data: %1\$s.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	1	USER_IN- PUT	13	Group %1\$s can not be deleted.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	1	USER_IN- PUT	14	Group %1\$s can not be changed.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	3	PERMIS- SION	9	You are not allowed to create groups.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	3	PERMIS- SION	11	You are not allowed to change groups.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	3	PERMIS- SION	12	You are not allowed to delete groups.	TODO	com.openex- change.group.GroupEx- ception



GRP	GROUP	5	SUBSYS-	1	Cannot get	TODO	com.openex-
			TEM_OR_SER- VICE_DOWN		database con- nection.		change.group.GroupEx- ception
GRP	GROUP	8	CODE_ER- ROR	2	SQL Problem: %1\$s	IODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	8	CODE_ER- ROR	3	No group giv- en.	TODO	com.openex- change.group.GroupEx- ception
GRP	GROUP	9	CONCUR- RENT_MOD- IFICATION	10	Edit Conflict. Your change cannot be completed be- cause some- body else has made a con- flicting change to the same item. Please refresh or syn- chronize and try again.	TODO	com.openex- change.group.GroupEx- ception
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	202	User input er- ror %s		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	302	User input er- ror %s		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	502	User input er- ror %s		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	503	Problem while reading ICal file: %s.		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	505	Broken file uploaded: %s		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	506	Cowardly re- fusing to im- port an entry flagged as confidential.		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	509	The element %s is not sup- ported.		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	510	Couldn't con- vert object: %s		
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	511	No ICal to im- port found.		



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I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	513	Failed import- ing appoint- ment due to hard conflict- ing resource.
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	602	User input er- ror %s
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	605	Could not rec- ognize format of the follow- ing data: %s
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	608	No VCard to import found.
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	800	Can only im- port into one folder at a time.
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	804	Could not translate a sin- gle column ti- tle. Is this a valid CSV file?
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	805	Could not translate a sin- gle field of in- formation, did not insert en- try %s.
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	1000	Broken CSV file: Lines have different num- ber of cells, line #1 has %d, line #%d has %d. Is this really a CSV file?
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	1200	Cannot trans- late id=%d to a constant from Types.
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	1201	Cannot trans- late id=%d to a constant from Folder- Object.
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT		Can only han- dle one file, not %s
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	1301	Unknown for- mat: %s



I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	1302	Uploaded file is of type %s, cannot handle that
I_E	IM- PORT_EX- PORT	1	USER_IN- PUT	1303	Empty file up- loaded.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	100	Could not ex- port the fold- er %s in the format %s.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	200	Could not im- port into the folder %s.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	300	Could not im- port into the folder %s.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	500	Could not im- port into the folder %s.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	507	Module Calen- dar not en- abled for user, cannot import appointments.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	508	Module Tasks not enabled for user, can- not import tasks.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	600	Could not im- port into the folder %s.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	607	Module Con- tacts is not enabled for this user, can- not store con- tacts con- tained in VCard.
I_E	IM- PORT_EX- PORT	3	PERMIS- SION	806	Module Con- tacts not en- abled for user, cannot import contacts
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	101	Could not load folder %s
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	102	Could not load contacts



I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	201	Could not im- port into fold- er %s
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	301	Could not im- port into fold- er %s
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	501	Subsystem down
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	601	Subsystem down
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	900	Could not load folder %s
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1100	Cannot find an importer for format %s into folders %s
I_E	IM- PORT_EX- PORT	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1101	Cannot find an exporter for folder %s to format %s
I_E	IM- PORT_EX- PORT	7	INTER- NAL_ER- ROR	104	Could not en- code as UTF-8
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	103	Could not cre- ate folder id from string %s
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	203	Could not im- port into fold- er %s
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	204	Could not load folder %s
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	303	Could not im- port into fold- er %s
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	504	Could not load folder %s
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	603	Programming error - folder %s
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	604	Could not load folder %s
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	606	Could not use UTF-8 encod- ing.
I_E	IM- PORT_EX- PORT	8	CODE_ER- ROR	801	Cannot import this kind of data. Use



I_EIM-8CODE_ER-802 RORCannot read given input- Stream.I_EIM-8CODE_ER-901Could not cre- ate folder id from string %sI_EIM-8CODE_ER-902Could not cre- ate folder id from string %sI_EIM-8CODE_ER-902Could not cre- ate folder id from string %sI_EIM-8CODE_ER-903Missing ability to encode or decode UTF-8 on server, cannot read file.I_EIM-8CODE_ER-903Missing ability to encode or decode UTF-8 on server, cannot read file.I_EIM-8CODE_ER-1001Illegal state: report- ed?PORT_EX- PORTRORFound data af- ter presumed last line.I_EIM-10SETUP_ER- ROR205Could not find No De- ICalEmitter scrip- service. Has suitable ICal- PORT_EX- PORTI_EIM-10SETUP_ER- ROR512Could not find suitable ICal- Parser. Is an ICalParser ex- ported as a service?I_EIM-12TRUNCAT-1500The following field(s) are too long to be imported: %sI_EIM-13WARNING514Warming im- porting field %sIFOINFOS-1USER_IN- PUT0Validation field %sIFOINFOS-1USER_IN- PUT0Validation field %s							
I_E IM- 8 CODE_ER- ROR Cannot read given Input- I_E IM- 8 CODE_ER- 901 Could not cre- I_E IM- 8 CODE_ER- 902 Could not cre- PORT_EX- PORT ROR 902 Could not cre- PORT_EX- PORT ROR 902 Could not cre- PORT_EX- PORT ROR 903 Missing ability PORT_EX- PORT ROR 901 Illegal state: FORT_EX- PORT ROR 205 Could not find No De- I_E IM- 10 SETUP_ER- 205 Could not find Service PORT_EX- PORT_EX- ROR 201 Could not find No De- I_E IM- 10 SETUP_ER- 205 Could not find No De-							
-PORT_EX- PORTRORate folder id from string %sI_EIM-8CODE_ER-902Could not read Input- Stream as stringI_EIM-8CODE_ER-903Missing ability to encode or decode UTF-8 on server, cannot read file.I_EIM-8CODE_ER-903Missing ability to encode or decode UTF-8 on server, cannot read file.I_EIM-8CODE_ER-1001Illegal state: Found data af- ter presumed last line.I_EIM-10SETUP_ER- ROR205Could not find suitable ICal- Parser. Is an ICalFarser ex- ported as a service?I_EIM-10SETUP_ER- ROR512Could not find suitable ICal- Parser. Is an ICalFarser ex- ported as a service?I_EIM-12TRUNCAT-1500The following field(s) are too long to be imported: %sI_EIM-12TRUNCAT-1600The following field(s) are too long to be imported: %sI_EIM-13WARNING514Warning im- porting file: %sI_EIM-13WARNING803Could not find the following field(s) %sI_EIM-13USER_IN-0VAILDERPORT_EX- PORT_EX- PORTIDValidation field(s) %sI_FOINFOS-1USER_IN-0IFOINFOS-1USER_IN-0IFOINFOS-1USER_IN-00 <td>I_E</td> <td>PORT_EX-</td> <td>8</td> <td></td> <td>802</td> <td>Cannot read given Input-</td> <td></td>	I_E	PORT_EX-	8		802	Cannot read given Input-	
PORT_EX- PORT ROR read Input- Stream as string I_E IM- PORT_EX- PORT 8 CODE_ER- ROR 903 Missing ability to encode or decode UTF-8 on server, cannot read file. I_E IM- PORT_EX- PORT_EX- PORT 8 CODE_ER- ROR 1001 Illegal state: Found data af- ter presumed last line. I_E IM- PORT_EX- PORT 10 SETUP_ER- ROR 205 Could not find No De- ICalEmitter service. Has tion the service been export- ed? I_E IM- PORT_EX- PORT 10 SETUP_ER- ROR 512 Could not find suitable ICal- Parser. Is an ICalParser ex- ported as a service? I_E IM- PORT_EX- PORT 12 TRUNCAT- ED 1500 The following field(s) are too long to be imported: %s I_E IM- PORT_EX- PORT 12 TRUNCAT- ED 1600 The following field(s) are too long to be imported: %s I_E IM- PORT_EX- PORT 13 WARNING 514 Warning im- porting file: %s I_E IM- PORT_EX- PORT 13 WARNING 803 Could not find the following field: %s I_FO INFOS- TORE 1 USER_IN- PUT 0 Validation field: %s	I_E	PORT_EX-	8		901	ate folder id	
I_E IM- 8 CODE_ER- 903 Missing ability PORT_EX- PORT ROR 903 Missing ability I_E IM- 8 CODE_ER- 903 Missing ability I_E IM- 8 CODE_ER- 1001 Illegal state: PORT_EX- PORT ROR 205 Could not find No De- I_E IM- 10 SETUP_ER- 205 Could not find No De- PORT_EX- PORT ROR SETUP_ER- 205 Could not find scrip- PORT_EX- PORT ROR SETUP_ER- 512 Could not find suitable ICal- PORT_EX- PORT ROR SETUP_ER- 512 Could not find suitable ICal- PORT_EX- PORT ROR Set UP_ER- 512 Could not find suitable ICal- PORT_EX- PORT ROR BO The following field(s) are too long to be PORT_EX- PORT ED The following field(s) are too long to be imported: %s	I_E	PORT_EX-	8		902	read Input- Stream as	
PORT_EX- PORTRORFound data af- ter presumed last line.I_EIM-10SETUP_ER- ROR205Could not find No De- ICalEmitterNo De- scrip- service. Has ed?I_EIM-10SETUP_ER- ROR512Could not find suitable ICal- Parser. Is an ICalParser ex- ported as a service?I_EIM-10SETUP_ER- ROR512Could not find suitable ICal- Parser. Is an ICalParser ex- ported as a service?I_EIM-12TRUNCAT- ED1500The following field(s) are too long to be imported: %sI_EIM-12TRUNCAT- ED1600The following field(s) are too long to be imported: %sI_EIM-13WARNING514Warning im- porting file: %sI_EIM-13WARNING803Could not find the following fields %sIFOINFOS-1USER_IN-0Validation failed: %sIFOINFOS-1USER_IN-300The requested The in- item does not foitem	I_E	PORT_EX-	8		903	Missing ability to encode or decode UTF-8 on server, cannot read	
PORT_EX- PORTRORICalEmitter service. Has tion the service been export- ed?I_EIM- PORT_EX- PORT10 SETUP_ER- RORSETUP_ER- ROR512 Soutable ICal- Parser. Is an ICalParser ex- ported as a service?I_EIM- PORT_EX- PORT12 PORT_EX- EDTRUNCAT- ED1500 field(s) are too long to be imported: %sI_EIM- PORT_EX- PORT12 PORT_EX- EDTRUNCAT- ED1600 field(s) are too long to be imported: %sI_EIM- PORT_EX- PORT13 PORT_EX- PORTWARNING514 Varning im- porting file: %sI_EIM- PORT_EX- PORT13 PORT_EX- PORTWARNING803 field(s) are too long to be imported: %sI_EIM- PORT_EX- PORT13 PORT_EX- PORTWARNING803 fields %sI_EIM- PORT_EX- PORT13 PORT_EX- PORTUSER_IN- PUT0 Validation failed: %sIFOINFOS- TORE1 PUTUSER_IN- SUER_IN-0 The requested The in- item does not foitem	I_E	PORT_EX-	8		1001	Found data af- ter presumed	
PORT_EX- PORTRORsuitable ICal- Parser. Is an ICalParser ex- 	I_E	PORT_EX-	10		205	ICalEmitter service. Has the service been export-	scrip-
I_EIM- PORT_EX- PORT12TRUNCAT- ED1500The following field(s) are too long to be imported: %sI_EIM- PORT_EX- PORT12TRUNCAT- ED1600The following 	I_E	PORT_EX-	10		512	suitable ICal- Parser. Is an ICalParser ex- ported as a	
PORT_EX- PORTEDfield(s) are too long to be imported: %sI_EIM-13WARNING514Warning im- porting file: %sPORT_EX- PORTWARNING803Could not find the following fields %sI_EIM-13WARNING803Could not find the following fields %sIFOINFOS-1USER_IN-0Validation 	I_E	PORT_EX-	12		1500	field(s) are too long to be	
PORT_EX- PORT porting file: %s I_E IM- PORT_EX- PORT 13 WARNING 803 Could not find the following fields %s IFO INFOS- TORE 1 USER_IN- PUT 0 Validation failed: %s IFO INFOS- TORE 1 USER_IN- PUT 300 The requested The in- titem does not foitem	I_E	PORT_EX-	12		1600	field(s) are too long to be	
PORT_EX- the following PORT fields %s IFO INFOS- 1 USER_IN- 0 Validation TORE PUT failed: %s IFO INFOS- 1 USER_IN- 300 The requested The in- TORE PUT item does not foitem	I_E	PORT_EX-	13	WARNING	514		
IFOINFOS-1USER_IN-0Validation failed: %sIFOINFOS-1USER_IN-300The requested The in- item does not foitem	I_E	PORT_EX-	13	WARNING	803	the following	
TORE PUT item does not foitem	IFO		1		0		
	IFO		1		300	item does not	foitem



IFO	INFOS- TORE	1	USER_IN- PUT	301	Could not load docu- ments to check the per-	not ex- ist, so the per- mis- sions cannot be loaded. To check permis- sions
					missions	in- foitems must be loaded to find their folderld and creator.
IFO	INFOS- TORE	1	USER_IN- PUT	400	You do not have sufficient read permis- sions.	The Us- er does not have read permis- sions on the request- ed In- foitem.
IFO	INFOS- TORE	1	USER_IN- PUT	401	You do not have sufficient read permis- sions.	The Us- er does not have read permis- sions on the request- ed In- foitem.
IFO	INFOS- TORE	1	USER_IN- PUT	402	You do not have sufficient permissions to create objects in this folder.	The us- er may not cre-



IFO	INFOS- TORE	1	USER_IN- PUT	403	You are not allowed to up- date this item.	
IFO	INFOS- TORE	1	USER_IN- PUT	404	You are not allowed to create objects in the target folder.	The us- er isn't allowed to cre- ate ob- jects in the tar- get folder when moving an in- foitem.
IFO	INFOS- TORE	1	USER_IN- PUT	406	You do not have sufficient permission to delete this version.	
IFO	INFOS- TORE	1	USER_IN- PUT	407	You do not have sufficient permissions to read objects in this folder.	
IFO	INFOS- TORE	1	USER_IN- PUT	408	You do not have sufficient permissions to read objects in this folder.	The us- er may



IFO	INFOS- TORE	1	USER_IN- PUT	409	You do not have sufficient permissions to read objects in this folder.	-
IFO	INFOS- TORE	1	USER_IN- PUT	410	You do not have sufficient permissions to read objects in this folder.	The us- er may
IFO	INFOS- TORE	1	USER_IN- PUT	411	You do not have sufficient permissions to read objects in this folder.	The us- er may
IFO	INFOS- TORE	1	USER_IN- PUT	417	You need write permis- sions to un- lock a docu- ment.	The us- er does not have suffi- cient write permis- sions to unlock this in- foitem.
IFO	INFOS- TORE	1	USER_IN- PUT	418	You need write permis- sions to lock a document.	The us- er does
IFO	INFOS- TORE	1	USER_IN- PUT	421	You are not allowed to delete objects in the source	Need delete permis- sions in



IFO	INFOS- TORE	1	USER_IN- PUT	438	folder, so this document cannot be mo Tved. The document you requested doesn't exist.	folder to move an item The
IFO	INFOS- TORE	1	USER_IN- PUT	441	Files attached to InfoStore items must have unique names. File- name: %s. The other docu- ment with this file name is %s.	exist. To re- main consis- tent in Web- DAV no two
IFO	INFOS- TORE	1	USER_IN- PUT	1700	This folder is a virtual fold-	The folders



				er. It cannot contain docu- ments.	to which this us- er has access, but that be- long to other users, are col- lected in a vir- tual folder. This vir- tual folder cannot contain docu- ments itself.
IFO	INFOS- TORE	4	TRY_AGAIN 2	Cannot pre- fetch results.	Thrown when a result cannot be prefethed This in- dicates a prob- lem with the DB Connec- tion. Have a look at the un- derly- ing SQLEx- ception
IFO	INFOS- TORE	4	TRY_AGAIN 2	Cannot pre- fetch results.	Thrown when a result cannot be prefethed This in- dicates a prob- lem



					with the DB Connec- tion. Have a look at the un- derly- ing SQLEx- ception
IFO	INFOS- TORE	4	TRY_AGAIN 223	Cannot pre- fetch results.	Thrown when a result cannot be prefetched This in- dicates a prob- lem with the DB Connec- tion. Have a look at the un- derly- ing SQLEx- ception
IFO	INFOS- TORE	4	TRY_AGAIN 225	Cannot pre- fetch results.	Thrown when a result cannot be prefethed This in- dicates a prob- lem with the DB Connec- tion. Have a look at the un- derly- ing SQLEx- ception



IF	0	INFOS- TORE	4	TRY_AGAIN	601	Cannot pre- fetch results.	Thrown when a result cannot be prefethed This in- dicates a prob- lem with the DB Connec- tion. Have a look at the un- derly- ing SQLEx- cention
IF	0	INFOS- TORE	4	TRY_AGAIN	1900	Could not fetch result from result set. Probably the database may be busy or not run- ning. Please try again.	ception Could not fetch result from result set. Proba- bly the database may be busy or not run- ning. Please try again.
IF	0	INFOS- TORE	4	TRY_AGAIN	1903	Could not fetch result from result set. Probably the database may be busy or not run- ning. Please try again.	Could not fetch result from result set. Proba- bly the database may be busy or not run- ning.



IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	203	Could not ac- cess file store.	dicates a prob- lem ac- cessing the un- derly-
						ing filestor- age. Look at the ex- cep- tions given as cause for this one.
IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	231	Could not re- move file. %s	
IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	419	The file store could not be reached.	The file store couldn't be reached.
IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	435	Cannot reach the file store so I cannot re- move the doc- uments.	Cannot reach the file
IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	436	Cannot re- move file. Database and file store are	Cannot reach the file store



					probably in- consistent. Please contact an administra- tor to run the recovery tool.	ments were not delet- ed. This propably means that file store and db are in- consis- tent. Run the re- covery tool.
IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	437	Could not re- move file from file store.	Could not re- move file from file store.
IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	439	The file store could not be reched	The file store couldn't be reached and is proba- bly down.
IFO	INFOS- TORE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	440	The file could not be re- trieved.	The file could not be found in the file store. This means either that the file store was not avail- able or that



IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	230	Cannot find file store loca- tion.	database and file store are in- consis- tent. Run the re- covery tool. A Con- text Ex- ception oc- curred while trying to open the filestor- age. Look at the Con- text Ex- ception for fur- ther de- tails
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	232	Could not re- move file. %s	
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	233	Could not re- move file. %s	An er- ror oc- curred while remov- ing the file from the file stor- age.



IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	413	Could not iter- ate result	tem couldn't iterate the re- sult dataset. This can have numer- ous ex- citing
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	414	Could not iter- ate result	causes. The sys- tem couldn't iterate the re- sult dataset. This can have numer- ous ex- citing causes.
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	420	Could not generate new ID.	The ID- Genera- tor threw an SQL Excep- tion look at that one to find out what's wrong.
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	442	Could not de- termine num- ber of ver- sions for in- foitem %s in context %s. In- valid Query: %s	The query to cound the ver-
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	443	Could not iter- ate result	



						iterate the re- sult dataset. This can have numer- ous ex- citing causes.
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	444	Could not iter- ate result	The sys- tem couldn't iterate the re- sult dataset. This can have numer- ous ex- citing causes.
IFO	INFOS- TORE	7	INTER- NAL_ER- ROR	1902	Cannot close database con- nection	Cannot
IFO	INFOS- TORE	8	CODE_ER- ROR	200	Invalid SQL Query: %s	A faulty SQL Query was sent to the SQL server. This can on- ly be fixed in R&D
IFO	INFOS- TORE	8	CODE_ER- ROR	201	Invalid SQL Query: %s	A faulty SQL Query was sent to the SQL server. This



IFO	INFOS- TORE	8	CODE_ER- ROR	202	Invalid SQL Query: %s	can on- ly be fixed in R&D A faulty SQL Query was sent to the
IFO	INFOS- TORE	8	CODE_ER- ROR	204	Could not get file store loca-	SQL server. This can on- ly be fixed in R&D The
					tion.	specific data about a filestor- age could not be loaded. Look at
IFO	INFOS- TORE	8	CODE_ER- ROR	214	Invalid SQL Query: %s	the un- derly- ing ex- cep- tions for a hint. A faulty SQL
						Query was sent to the SQL server. This can on- ly be fixed in
IFO	INFOS- TORE	8	CODE_ER- ROR	215	Invalid SQL Query: %s	R&D A faulty SQL Query



-						
						was sent to the SQL server. This can on- ly be fixed in R&D
IFO	INFOS- TORE	8	CODE_ER- ROR	216	Invalid SQL Query: %s	A faulty SQL Query was sent to the SQL server. This can on- ly be fixed in R&D
IFO	INFOS- TORE	8	CODE_ER- ROR	217	Invalid SQL Query: %s	A faulty SQL Query was sent to the SQL server. This can on- ly be fixed in R&D
IFO	INFOS- TORE	8	CODE_ER- ROR	218	Incorrect SQL Query: %s	Indi- cates a faulty SQL Query. Only R&D can fix this
IFO	INFOS- TORE	8	CODE_ER- ROR	220	Incorrect SQL Query: %s	Indi- cates a faulty SQL Query. Only R&D



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IFO	INFOS- TORE	8	CODE_ER- ROR	222	Incorrect SQL Query: %s	can fix this Indi- cates a faulty SQL Query. Only R&D can fix this
IFO	INFOS- TORE	8	CODE_ER- ROR		Incorrect SQL Query.	Indi- cates a faulty SQL Query. Only R&D can fix this
IFO	INFOS- TORE	8	CODE_ER- ROR	226	Invalid SQL Query: %s	A faulty SQL Query was sent to the SQL server. This can on- ly be fixed in R&D
IFO	INFOS- TORE	8	CODE_ER- ROR	227	Invalid SQL Query: %s	A faulty SQL Query was sent to the SQL server. This can on- ly be fixed in R&D
IFO	INFOS- TORE	8	CODE_ER- ROR	228	Invalid SQL Query: %s	R&D A faulty SQL Query was sent to



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IFO	INFOS- TORE	8	CODE_ER- ROR	229	Invalid SQL Query: %s	the SQL server. This can on- ly be fixed in R&D A faulty SQL Query was sent to the SQL SQL Server. This can on- ly be fixed in
IFO	INFOS- TORE	8	CODE_ER- ROR	234	Invalid SQL Query : %s	R&D An in- valid SQL Query was sent to the
IFO	INFOS- TORE	8	CODE_ER- ROR	235	Invalid SQL Query: %s	server. A faulty SQL Query was sent to the SQL server. This can on- ly be fixed in
IFO	INFOS- TORE	8	CODE_ER- ROR	302	The folder %d is not an Infos- tore folder	



IFO	INFOS- TORE	8	CODE_ER- ROR	500	Illegal argu- ment: Docu-	A Web- davPath
	-		-		ment %d con-	
					tains no file	docu-
					tants no nic	ment
						without
						an at-
						tached
						file was
						request-
						ed. In
						Web-
						DAV
						only in-
						foitems
						with
						files
						are visi-
						ble.
						This
						points
						to a
						prob-
						lem
						with
						the co-
						la sup-
						ply for
						the de-
						veloper
						and
						can on-
						ly be
						fixed
						by R&D.
150	INIFOC	0		501		
IFO	INFOS-	8	CODE_ER-	501	Folder %d has	
	TORE		ROR		two subfold-	
					ers named %s.	
					Your database	
					is not consis-	
					tent.	with
						the
						same
						folder
						name.
						This
						points
						to an
						incon-
						sistency
						in the
						database,
						as the



						second folder by the same name should not have been creat- ed. This will cer- tainly cause some headaches in R&D.
IFO	INFOS- TORE	8	CODE_ER- ROR	502	Incorrect SQL Query: %s	A faulty SQL state- ment was sent to the DB. R&D must fix this.
IFO	INFOS- TORE	8	CODE_ER- ROR	600	Incorrect SQL Query: %s	
IFO	INFOS- TORE	8	CODE_ER- ROR	800	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any- thing



IFO	INFOS- TORE	8	CODE_ER- ROR	801	Error in SQL Update	about this. Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any-
IFO	INFOS- TORE	8	CODE_ER- ROR	802	Invalid SQL: '%s'	thing about this. Indi- cates a faulty SQL query or a prob- lem with the database.
IFO	INFOS- TORE	8	CODE_ER- ROR	803	Invalid SQL: '%s'	Ususal- ly only R&D can do any- thing about this. Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D



-							
							can do any- thing about this.
	IFO	INFOS- TORE	8	CODE_ER- ROR	804	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any- thing about this.
	IFO	INFOS- TORE	8	CODE_ER- ROR	805	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any- thing about this.
	IFO	INFOS- TORE	8	CODE_ER- ROR	806	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database.



						Ususal- ly only R&D can do any- thing about this.
IFO	INFOS- TORE	8	CODE_ER- ROR	807	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any- thing about this.
IFO	INFOS- TORE	8	CODE_ER- ROR	900	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any- thing about this.
IFO	INFOS- TORE	8	CODE_ER- ROR	901	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem



						with the database. Ususal- ly only R&D can do any- thing about this.
IFO	INFOS- TORE	8	CODE_ER- ROR	902	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any- thing about this.
IFO	INFOS- TORE	8	CODE_ER- ROR	903	Invalid SQL: '%s'	Indi- cates a faulty SQL query or a prob- lem with the database. Ususal- ly only R&D can do any- thing about this.
IFO	INFOS- TORE	8	CODE_ER- ROR	904	Invalid SQL: '%s'	Indi- cates a faulty SQL query



IFO	INFOS- TORE	8	CODE_ER- ROR	905	Invalid SQL: '%s'	or a prob- lem with the database. Ususal- ly only R&D can do any- thing about this. Indi- cates a faulty SQL query or a prob- lem
IFO	INFOS- TORE	8	CODE_ER- ROR	906	Invalid SQL: '%s'	with the database. Ususal- ly only R&D can do any- thing about this. Indi- cates a faulty SQL query or a prob- lem with the database. Ususal-
IFO	INFOS- TORE	8	CODE_ER- ROR	1000	Invalid SQL query: %s	ly only R&D can do any- thing about this. An in- valid



IFO	INFOS-	8	CODE_ER-	1001	Invalid SQL	SQL query was used sent to the SQL Server. This can on- ly be fixed by R&D An in-
	TORE		ROR		query: %s	valid SQL query was used sent to the SQL Server. This can on- ly be fixed by R&D
IFO	INFOS- TORE	8	CODE_ER- ROR	1100	Invalid SQL Query : %s	An in- valid SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1101	Invalid SQL Query : %s	An in- valid SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1200	Invalid SQL Query : %s	An in- valid SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1201	Invalid SQL Query : %s	An in- valid



						SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1300	Invalid SQL Query : %s	An in- valid SQL Query was sent to the conver
IFO	INFOS- TORE	8	CODE_ER- ROR	1301	Invalid SQL Query : %s	server An in- valid SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1400	Invalid SQL Query : %s	An in- valid SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1401	Invalid SQL Query : %s	An in- valid SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1500	Invalid SQL Query : %s	An in- valid SQL Query was sent to the server
IFO	INFOS- TORE	8	CODE_ER- ROR	1501	Invalid SQL Query : %s	An in- valid SQL Query was sent to the server



IFO	INFOS- TORE	8	CODE_ER- ROR	1600	Invalid SQL Query : %s	An in- valid SQL Query was sent to the
IFO	INFOS- TORE	8	CODE_ER- ROR	1601	Invalid SQL Query : %s	server An in- valid SQL Query was sent to the
IFO	INFOS- TORE	8	CODE_ER- ROR	1901	Invalid SQL query: %s	server An in- valid query was sent to the database.
IFO	INFOS- TORE	8	CODE_ER- ROR	2400	Invalid SQL Query : %s	An in- valid SQL Query was sent to the
IFO	INFOS- TORE	8	CODE_ER- ROR	2401	Invalid SQL Query : %s	server An in- valid SQL Query was sent to the
IFO	INFOS- TORE	8	CODE_ER- ROR	2500	Invalid SQL Query : %s	server An in- valid SQL Query was sent to the
IFO	INFOS- TORE	8	CODE_ER- ROR	2501	Invalid SQL Query : %s	server An in- valid SQL Query was sent to



IFO	INFOS- TORE	8	CODE_ER- ROR	2601	Invalid SQL Query : %s	the server An in- valid SQL Query was sent to the server
IFO	INFOS-	9	CONCUR- IFICATION	405	Could not delete all ob- jects.	Not all in- foitems in the given folder could be delet- ed. This may be due to the in- foitems being modi- fied since the last re- quest, or the objects might not even exist any- more or the user doesn't have enough delete permis- sions on cer- tain ob- jects. The in-
	TORE		RENT_MOD- IFICATION		ment is locked.	foitem was locked



						by some
						other user. Only
						the us-
						er that
						locked
						the item
						(the
						one
						that
						modi- fied
						the en-
						try) can
						modify
						a locked
						in-
						foitem.
IFO	INFOS-	9	CONCUR-	416	You cannot	The in-
	TORE		RENT_MOD- IFICATION		unlock this document.	foitem was
					document.	locked
						by
						some
						other user.
						Only
						the us-
						er that
						locked the
						item
						and the
						creator of the
						item
						can un-
						lock a
						locked in-
						in- foitem.
IFO	INFOS-	9	CONCUR-	700	Could not	The
	TORE		RENT_MOD-		delete Docu-	Docu-
			IFICATION		mentMetadata	
					%d. Please try again.	Metada- ta en-
					uguin.	try in
						the DB
						for the
						given



						re- source could not be creat- ed. This is most- ly due to some- one else modify- ing the entry. This can al- so mean, that the en- try has been deleted al- ready.
IFO	INFOS- TORE	9	CONCUR- RENT_MOD- IFICATION	1302	The document could not be updated be- cause it was modified. Reload the view.	The docu- ment could not be updat- ed be- cause it was modi- fied.
IFO	INFOS- TORE	9	CONCUR- RENT_MOD- IFICATION	1303	The document was updated in between do and undo. The Database is now probably inconsistent.	The docu- ment was up- dated



IFO	INFOS- TORE	9	CONCUR- RENT_MOD- IFICATION	1402	The document could not be updated be- cause it was modified. Reload the view.	The docu- ment could not be updat- ed be- cause it was modi- fied.
IFO	INFOS- TORE	9	CONCUR- RENT_MOD- IFICATION	1403	The document was updated in between do and undo. The Database is now probalby inconsistent.	The docu- ment was up- dated
IFO	INFOS- TORE	12	TRUNCAT- ED	100	Some fields have values, that are too long	The Us- er en- tered values that are to long for the database schema.
LNK	LINKING	1	USER_IN- PUT	101	Unable to cre- ate a link be- tween these two objects. This link al- ready exists. 1. Object %1\$d Folder %2\$d 2. Object %3\$d Folder %4\$d Context %5\$d	
LNK	LINKING	3	PERMIS- SION	100	Unable to cre- ate a link be- tween these two objects. Insufficient	



LNK	LINKING	3	PERMIS- SION	105	rights. 1. Ob- ject %1\$d Folder %2\$d 2. Object %3\$d Folder %4\$d Context %5\$d Unable to cre- ate a link be- tween these two objects. Insufficient rights. 1. Ob- ject %1\$d 2. Object %2\$d Context %3\$d
LNK	LINKING	3	PERMIS- SION	106	Unable to cre- ate a link be- tween these two objects. Insufficient rights. 1. Ob- ject %1\$d Folder %2\$d 2. Object %3\$d Folder %4\$d Context %5\$d
LNK	LINKING	3	PERMIS- SION	110	Unable to cre- ate a link be- tween these two objects. Insufficient rights. Object %1\$d Folder %2\$d Context %3\$d
LNK	LINKING	8	CODE_ER- ROR	102	Unable to pick up a connec- tion from the DBPool
LNK	LINKING	8	CODE_ER- ROR	103	An error oc- curred. Un- able to save this linking between those two ob- jects. 1. Ob- ject %1\$d Folder %2\$d 2. Object %3\$d Folder %4\$d Context %5\$d



LNK	LINKING	8	CODE_ER- ROR	104	An error oc- curred. Un- able to save this linking between those two ob- jects. 1. Ob- ject %1\$d Folder %2\$d 2. Object %3\$d Folder %4\$d Context %5\$d
LNK	LINKING	8	CODE_ER- ROR	107	An error oc- curred. Un- able to load some links for this objects. 1. Object %1\$d 2. Object %2\$d Context %3\$d
LNK	LINKING	8	CODE_ER- ROR	109	Unable to load all links from this ob- jects. Object %1\$d Folder %2\$d User %3\$d Context %4\$d
LNK	LINKING	8	CODE_ER- ROR	111	An error oc- curred. Un- able to delete some links from this ob- jects. Object %1\$d Folder %2\$d Context %3\$d
LNK	LINKING	8	CODE_ER- ROR	112	Unable to delete all links from this ob- jects. Object %1\$d Context %2\$d
LNK	LINKING	8	CODE_ER- ROR	113	Unable to delete all links from folder. Folder %1\$d Context %2\$d
LNK	LINKING	8	CODE_ER- ROR	114	Unable to load all links from this ob- jects. Object



					%1\$d User %2\$d Context %3\$d		
LGI	LOGIN	1	USER_IN- PUT	2	Too few (%d) login at- tributes.	TODO	com.openexchange.con- figjump.ConfigJumpEx- ception
LGI	LOGIN	5	SUBSYS- TEM_OR_SER- VICE_DOWN	3	Problem while communicat- ing with exter- nal authoriza- tion.	TODO	com.openexchange.con- figjump.ConfigJumpEx- ception
LGI	LOGIN	8	CODE_ER- ROR	1	Unknown problem: %s.	TODO	com.openexchange.con- figjump.ConfigJumpEx- ception
LGI	LOGIN	8	CODE_ER- ROR	4	Instantiating the class failed.	TODO	com.openexchange.con- figjump.ConfigJumpEx- ception
LGI	LOGIN	8	CODE_ER- ROR	7	URL %s is mal- formed.	TODO	com.openexchange.con- figjump.ConfigJumpEx- ception
LGI	LOGIN	10	SETUP_ER- ROR	5	Class %1\$s can not be found.		com.openexchange.con- figjump.ConfigJumpEx- ception
LGI	LOGIN	10	SETUP_ER- ROR	6	Missing prop- erty %1\$s in system.proper- ties.	TODO	com.openexchange.con- figjump.ConfigJumpEx- ception
LGI	LOGIN	10	SETUP_ER- ROR	8	Extras link is not imple- mented.	TODO	com.openexchange.con- figjump.ConfigJumpEx- ception
MSG	MAIL	1	USER_IN- PUT	24	No attach- ment was found with id %1\$s in mes- sage	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	1	USER_IN- PUT	25	Versit attach- ment could not be saved due to an un- supported MIME type: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	1	USER_IN- PUT	28	Upload quota (%1\$s) exceed- ed for file %2\$s (size=%3\$s)	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	1	USER_IN- PUT	29	Upload quota (%1\$s) exceed- ed	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	1	USER_IN- PUT	46	Bad value %1\$s in param- eter %2\$s	TODO	com.openex- change.mail.MailExcep- tion



MSG	MAIL	1	USER_IN- PUT	47	No reply on multiple mes- sage possible	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	1	USER_IN- PUT	56	÷ .	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	3	PERMIS- SION	13	No mail mod- ule access permitted	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	3	PERMIS- SION	50	Folder %1\$s does not hold messages and is therefore not selectable	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	4	TRY_AGAIN	15	Process was interrupted while waiting for a free mail connection. Please try again.	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	7	INTER- NAL_ER- ROR	0	Unexpected error: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	7	INTER- NAL_ER- ROR	7	A part's con- tent could not be read from message %1\$s in mail folder %2\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	1	Missing param- eter %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	1	Missing param- eter %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	2	Invalid permis- sion values: fp=%1\$s orp=%2\$s owp=%3\$s odp=%4\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	3	A JSON error occurred: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	4	Missing param- eter in user's mail config: %1\$s	TODO	com.openex- change.mail.MailExcep- tion



MSG	MAIL	8	CODE_ER- ROR	6	Invalid multi- part content. Number of enclosed con- tents is 0	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	8	An I/O error occurred %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	9	Invalid mes- sage path: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	10	Unknown col- or label: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	16	Unsupported charset-encod- ing: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	17	Header %1\$s could not be properly parsed	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	18	Missing de- fault %1\$s folder in user mail settings	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	20	Invalid Con- tent-Type val- ue: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	21	Messaging er- ror: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	22	Message field %1\$s cannot be handled	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	23	Versit error: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
	MAIL	8	CODE_ER- ROR	26	Invalid param- eter name: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	27	Could not cre- ate a PartMod- ifier instance from name %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	31	Invalid integer value %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	32	Mail(s) %1\$s could not be found in fold- er %2\$s	TODO	com.openex- change.mail.MailExcep- tion



MSG	MAIL	8	CODE_ER- ROR	33	Action %1\$s is not supported by %2\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	35	Message could not be sent	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	36	Unknown or unsupported action: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	37	Missing field %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	38	Unsupported MIME type %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	40	The message part with se- quence ID %1\$s could not be found in message %2\$s in folder %3\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	41	No content available in mail part	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	45	Protocol can- not be parsed: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	48	Illegal system flag argument %1\$s. Flag must be to the power of 2	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	49	Attachment %1\$s not found inside mail %2\$s of mail folder %3\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	51	Insufficient folder at- tributes: Ei- ther existence status or full- name have to be present to determine if a mail folder create or up- date shall be performed	TODO	com.openex- change.mail.MailExcep- tion



MSG	MAIL	8	CODE_ER- ROR	52	Root folder must not be modified or deleted	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	54	Missing mail folder full- name	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	55	Image attach- ment with Content-Id %1\$s not found inside mail %2\$s of mail folder %3\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	57	Checking de- fault folders on connect failed: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	8	CODE_ER- ROR	58	The types of specified data source are not supported	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	10	SETUP_ER- ROR	5	Configuration error: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	10	SETUP_ER- ROR	11	Cannot instan- tiate class %1\$s.	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	10	SETUP_ER- ROR	12	Cannot initial- ize mail mod- ule	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	10	SETUP_ER- ROR	14	No mail ac- count exists for admin us- er in context %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	10	SETUP_ER- ROR	19	Spam handler initialization failed: %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	10	SETUP_ER- ROR	44	No provider could be found for pro- tocol/URL %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	10	SETUP_ER- ROR	53	No transport provider could be found for pro- tocol/URL %1\$s	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	11	exter- Nal_re- Source_full	39	Mail could not be moved to trash folder.	TODO	com.openex- change.mail.MailExcep- tion



					Quota exceed- ed		
MSG	MAIL	11	EXTER- NAL_RE- SOURCE_FUIL	42	Message has been success- fully sent, but a copy could not be placed in your sent folder due to exceeded quota.	TODO	com.openex- change.mail.MailExcep- tion
MSG	MAIL	11	EXTER- NAL_RE- SOURCE_FUIL	43	Message has been success- fully sent, but a copy could not be placed in your sent folder.	TODO	com.openex- change.mail.MailExcep- tion
PER- MIS- SION	PERMIS- SION	1	USER_IN- PUT	1	No permission for modul: %s.	TODO	com.openex- change.api.OXPermis- sionException
PER- MIS- SION	PERMIS- SION	3	PERMIS- SION	2	No folder per- mission.	TODO	com.openex- change.api.OXPermis- sionException
REM	RE- MINDER	8	CODE_ER- ROR	1	User is missing for the re- minder.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	2	Identifier of the object is missing.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	3	Alarm date for the re- minder is missing.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	4	Unable to in- sert reminder	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	5	Unable to up- date re- minder.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	6	Unable to delete re- minder	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	7	Unable to load reminder	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	8	Unable to list reminder	TODO	com.openex- change.groupware.re-



							minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	9	Cannot find reminder (identifier %d). Context %d.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	10	Folder of the object is miss- ing.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	11	Module type of the object is missing.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	12	Updated too much re- minder.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
REM	RE- MINDER	8	CODE_ER- ROR	13	SQL Problem: %s.	TODO	com.openex- change.groupware.re- minder.ReminderExcep- tion
RES	RE- SOURCE	1	USER_IN- PUT	11	Invalid re- source identifi- er: %1\$s	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	1	USER_IN- PUT	12	Invalid re- source email address: %1\$s	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	3	PERMIS- SION	9	No permission to modify re- sources in context %1\$s	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	5	SUBSYS- TEM_OR_SER- VICE DOWN	1	Cannot get database con- nection.	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	8	CODE_ER- ROR	2	SQL Problem: %1\$s	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	8	CODE_ER- ROR	3	Cannot find resource group with identifier %1\$d.	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	8	CODE_ER- ROR	4	Found re- source groups with same identifier %1\$d.	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	8	CODE_ER- ROR	5	Cannot find resource with identifier %1\$d.	TODO	com.openexchange.re- source.ResourceExcep- tion



RES	RE- SOURCE	8	CODE_ER- ROR	6	Found re- source(s) with same identifi- er %1\$s.	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	8	CODE_ER- ROR	7	No resource given.	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	8	CODE_ER- ROR	8	Missing mandatory field(s) in giv- en resource.	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	8	CODE_ER- ROR	10	Found re- source(s) with same email address %1\$s.	TODO	com.openexchange.re- source.ResourceExcep- tion
RES	RE- SOURCE	9	CONCUR- RENT_MOD- IFICATION	13	The resource has been changed in the meantime	TODO	com.openexchange.re- source.ResourceExcep- tion
SRV	SERVICE	4	TRY_AGAIN	1	The required service %1\$s is temporary not available. Please try again later.	TODO	com.openexchange.serv- er.ServiceException
SRV	SERVICE	8	CODE_ER- ROR	2	An I/O error occurred	TODO	com.openexchange.serv- er.ServiceException
SRV	SERVICE	8	CODE_ER- ROR	3	Service initial- ization failed	TODO	com.openexchange.serv- er.ServiceException
SVL	SERVLET	1	USER_IN- PUT	5	Value %1\$s of attribute %2\$s contains non digit charac- ters.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	1	USER_IN- PUT	6	Too many dig- its within field %1\$s.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	1	USER_IN- PUT	8	Invalid value %2\$s in JSON attribute %1\$s.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	4	TRY_AGAIN	3	Invalid cookie.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	7	INTER- NAL_ER- ROR	5	I/O error while writing to Writer ob- ject: %s	TODO	com.openex- change.tools.servlet.Ajax- Exception
SVL	SERVLET	8	CODE_ER- ROR	1	Unknown AJAX action: %s.	TODO	com.openex- change.tools.servlet.Ajax- Exception



SVL	SERVLET	8	CODE_ER- ROR	1	Exception while writing JSON.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	8	CODE_ER- ROR	2	Missing the following re- quest parame- ter: %s	TODO	com.openex- change.tools.servlet.Ajax- Exception
SVL	SERVLET	8	CODE_ER- ROR	2	Exception while parsing JSON: %s.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	8	CODE_ER- ROR	3	Missing up- load image.	TODO	com.openex- change.tools.servlet.Ajax- Exception
SVL	SERVLET	8	CODE_ER- ROR	4	Invalid param- eter: %s	TODO	com.openex- change.tools.servlet.Ajax- Exception
SVL	SERVLET	8	CODE_ER- ROR	4	Exception while building JSON.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	8	CODE_ER- ROR	4	Servlet map- pings could not be loaded due to follow- ing error: %s	TODO	com.openex- changetoolsservlet.OXServle- tException
SVL	SERVLET	8	CODE_ER- ROR	6	Missing AJAX request han- dler for mod- ule %s	TODO	com.openex- change.tools.servlet.Ajax- Exception
SVL	SERVLET	8	CODE_ER- ROR	7	Unknown module: %s.	TODO	com.openex- change.tools.servlet.Ajax- Exception
SVL	SERVLET	8	CODE_ER- ROR	7	Unable to parse value %1\$s within field %2\$s as a number.	TODO	com.openex- change.tools.servlet.OXJ- SONException
SVL	SERVLET	8	CODE_ER- ROR	7	SecurityExcep- tion while loading servlet class %s	TODO	com.openex- change.toolsservlet.OXServle- tException
SVL	SERVLET	8	CODE_ER- ROR	8	Couldn't find servlet class %s	TODO	com.openex- change.toolsservlet.OXServle- tException
SVL	SERVLET	8	CODE_ER- ROR	9	No default constructor specified in servlet class %s	TODO	com.openex- change.toolsservlet.OXServle- tException
SVL	SERVLET	10	SETUP_ER- ROR	1	Missing prop- erty %s in 'sys- tem.proper- ties'	TODO	com.openex- change.toolsservlet.OXServle- tException



SVL	SERVLET	10	SETUP_ER- ROR	2	Servlet map- ping directory does not exist: %s	TODO	com.openex- changetookservlet.OXServle- tException
SVL	SERVLET	10	SETUP_ER- ROR	3	File is not a directory: %s	TODO	com.openex- changetoolsservlet.OXServle- tException
SVL	SERVLET	10	SETUP_ER- ROR	5	No servlet class name found for key %s. Please check servlet mappings.	TODO	com.openex- change.tookservlet.OXServle- tException
SVL	SERVLET	10	SETUP_ER- ROR	6	Name %s al- ready mapped to %s. Ignoring servlet class %s	TODO	com.openex- change.tools.servlet.OXServle- tException
SES	SESSION	3	PERMIS- SION	205	Wrong client IP address.	If a ses- sion ex- ists ev- ery re- quest is checked for its client IP ad- dress to match the one while creat- ing the session.	
SES	SESSION	4	TRY_AGAIN	203	Your session %s expired. Please start a new browser session.	A ses- sion with the giv- en identifi- er can not be found.	
SES	SESSION	4	TRY_AGAIN	204	Context is locked.		
SES	SESSION	8	CODE_ER- ROR	201	The session parameter is missing.	Every AJAX request must contain a pa- rame- ter	



SES	SESSION	8	CODE_ER- ROR	202	The cookie with the ses-	named session that value con- tains the identifi- er of the ses- sion cookie. Your brows-	
					sion identifier is missing.	er does not send the cookie for identify- ing your session.	
TSK	TASK	1	USER_IN- PUT	8	Cannot create private task in public/shared folder %1\$d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	28	Private flagged tasks cannot be del- egated.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	30	Percent is %d but must be between 0 and 100.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	31	For tasks which are not started the percentage done must be 0 and not %d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	36	Unknown re- currence type %d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	37	Value for the recurrence is missing: %d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	38	For finished tasks the per- centage must	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion



					be 100 and not %d.		
TSK	TASK	1	USER_IN- PUT	40	Start date %1\$s must be before end date %2\$s.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	43	-	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	44	Cannot add external partic- ipant without email address.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	1	USER_IN- PUT	47	Task contains invalid data: %1\$s	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	6	Folder %1\$s (%2\$d) is not a task folder.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	14	You are not allowed to delete the task.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	23	You are not allowed to read the con- tents of folder %1\$s (%2\$d).	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	24	Tasks are dis- able for you (%d).	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	25	You are not allowed to create tasks in folder %1\$s (%2\$d).	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	26	You are not allowed to delegate tasks.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	33	You are not allowed to ed- it tasks in folder %1\$s (%2\$d).	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	34	Moving items from or into shared folder %1\$s (%2\$d) is not allowed.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion



TSK	TASK	3	PERMIS- SION	42	Task with pri- vate flags can- not be moved to public fold- er %1\$s (%2\$d).	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	46	You are not allowed to see the task %1\$d in folder %2\$s (%3\$d).	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	3	PERMIS- SION	48	The task %1\$d is not stored in folder %2\$s (%3\$d).	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	5	SUBSYS- TEM_OR_SER- VICE_DOWN	2		TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	5	SUBSYS- TEM_OR_SER- VICE_DOWN	3	Cannot get database con- nection.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	1	Error while in- serting task: %s.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	4	This method is not imple- mented.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	5	SQL Problem: %s.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	9	SQL problem while updat- ing task: %s.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	10	Counting tasks did not return a result.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	11	SQL problem while deleting task: %s.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	12	Cannot find folder of task participant %1\$d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	13	SQL problem while listing tasks: %s.	TODO	com.openex- change.group-



							ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	15	Tried to delete %1\$d folders but only %2\$d were deleted.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	16	Tried to delete %1\$d participants but only %2\$d were deleted.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	18	Participant %d for task %d is not found.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	19	Cannot find task %d in context %d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	20	Unknown task attribute %d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	21	Date range in search must contain 2 and not %d values.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	22	Cannot de- crease num- ber of attach- ments below zero.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	27	Missing folder id for creating task.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	32	Cannot send event to event system.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	35	Missing folder mapping for task %1\$d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	39	Invalid task state %d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	8	CODE_ER- ROR	45	Problem with a thread.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion



TSK	TASK	8	CODE_ER- ROR	49	Unknown par- ticipant type %1\$d.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TSK	TASK	9	CONCUR- RENT_MOD- IFICATION	7	Edit Conflict. Your change cannot be completed be- cause some- body else has made a con- flicting change to the same item. Please refresh or syn- chronize and try again.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
ТЅК	TASK	12	TRUNCAT- ED	41	The task could not be saved. Please shorten the %1\$s and try again. Cur- rent length %3\$d is more than allowed length of %2\$d charac- ters.	TODO	com.openex- change.group- ware.tasks.TaskExcep- tion
TAX	TRANSAC- TION	5	SUBSYS- TEM_OR_SER- VICE_DOWN	100	Database can- not be reached.	The Database does not seem to be reach- able. This must be fixed by the system adminis- tration	
TAX	TRANSAC- TION	5	SUBSYS- TEM_OR_SER- VICE_DOWN	101	Database can- not be reached.		



		_				be fixed by the system adminis- tration
TAX	TRANSAC- TION	5	SUBSYS- TEM_OR_SER- VICE_DOWN	400	Cannot com- mit transac- tion to write DB	
ΤΑΧ	TRANSAC- TION	5	SUBSYS- TEM_OR_SER- VICE_DOWN	401	Cannot roll- back transac- tion in write DB	
TAX	TRANSAC- TION	5	SUBSYS- TEM_OR_SER- VICE_DOWN	402	Cannot finish transaction	
ΤΑΧ	TRANSAC- TION		INTER- NAL_ER- ROR	201	This transac- tion could not be fully un- done. Some components are probably not consistent anymore. Run the recovery tool!	tion could not be fully un-
UPD	UPDATE	3	PERMIS- SION	108	Update con- flict detected. Another pro- cess is current- ly updating schema %1\$s.	
UPD	UPDATE	3	PERMIS- SION	112	Update con- flict detected. Schema %1\$s is not marked as LOCKED.	
UPD	UPDATE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	801	Cannot get database con- nection.	



UPD	UPDATE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	803	Cannot get database con- nection.	
UPD	UPDATE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	805	Cannot get database con- nection.	
UPD	UPDATE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	901	Cannot get database con- nection.	
UPD	UPDATE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	903	Cannot get database con- nection.	
UPD	UPDATE	5	SUBSYS- TEM_OR_SER- VICE_DOWN	908	Cannot get database con- nection.	
UPD	UPDATE	7	INTER- NAL_ER- ROR	107	Though ex- pected, SQL query re- turned no re- sult.	
UPD	UPDATE	7	INTER- NAL_ER- ROR	109	Table update failed. Schema %1\$s could not be locked.	
UPD	UPDATE	7	INTER- NAL_ER- ROR	111	Though ex- pected, SQL query re- turned no re- sult.	
UPD	UPDATE	7	INTER- NAL_ER- ROR	113	Table update failed. Schema %1\$s could not be un- locked.	
UPD	UPDATE	8	CODE_ER- ROR	101	A SQL error occurred while reading schema ver- sion informa- tion: %1\$s.	
UPD	UPDATE	8	CODE_ER- ROR	103	A SQL excep- tion occurred while check- ing for schema ver- sion table: %1\$s.	
UPD	UPDATE	8	CODE_ER- ROR	106	A SQL error occurred while reading schema ver- sion informa- tion: %1\$s.	



UPD	UPDATE	8	CODE_ER- ROR	110	A SQL error occurred while reading schema ver- sion informa- tion: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	114	A SQL error occurred while creating table 'version': %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	115	A database er- ror occurred while creating table 'version': %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	116	A database er- ror occurred while reading schema ver- sion informa- tion: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	130	A SQL error occurred while creating table 'version': %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	131	A database er- ror occurred while creating table 'version': %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	601	Update pro- cess initializa- tion failed: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	700	A SQL Error occurred while resolv- ing folder name con- flicts: %s
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.



UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task Clear- LeftoverAt- tachmentsUp- dateTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task Con- tactsChanged- FromUpdate- Task: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	SQL error oc- curred while performing task Contacts- FieldSizeUp- dateTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task Con- tactsFieldSize- UpdateTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task Cre- ateTableVer- sion: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task DelFold- erTreeTable-



					UpdateTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	SQL error oc- curred while performing task FolderAd- dPermColum- nUpdateTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	Error in SQL Statement
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task MailUpload- QuotaUpdate- Task: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	A SQL error occurred while perform- ing task NewInfostore- FolderTreeUp- dateTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task SpamUpdate- Task: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	A SQL error occurred while perform- ing task SpellCheckUser- DictTableTask: %1\$s.
UPD	UPDATE	8	CODE_ER- ROR	701	An SQL error occurred while perform- ing task DelFold- erTreeTable- UpdateTask: %1\$s.



UPD UPDATE 8 CODE_ER- ROR 702 SQL error oc- curred while performing task Contacts- fieldSizeUp- dateTask: %15s. UPD UPDATE 8 CODE_ER- ROR 702 SQL error oc- curred while performing task FolderAd- dPermColum- nupdateTask: %15s. UPD UPDATE 8 CODE_ER- ROR 702 An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %15s. UPD UPDATE 8 CODE_ER- ROR 702 An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %15s. UPD UPDATE 8 CODE_ER- ROR 702 An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %15s. UPD UPDATE 8 CODE_ER- ROR 703 SQL error oc- curred while performing task FolderAd- dPermColum- nupdateTask: %15s. UPD UPDATE 8 CODE_ER- ROR 703 SQL Problem: %5. UPD UPDATE 8 CODE_ER- ROR 804 SQL Problem: %5. UPD UPDATE 8 CODE_ER- ROR 804 SQL Problem: %5. UPD UPDATE 8 CODE_ER- ROR 802 SQL Problem: %5. UPD UPDATE 8 CODE_ER-							
NORCurred while performing task FolderAd- dPermColum- nulpdateTask: %15s.UPDUPDATE8CODE_ER- ROR702An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %15s.UPDUPDATE8CODE_ER- ROR702An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %15s.UPDUPDATE8CODE_ER- ROR702An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %15s.UPDUPDATE8CODE_ER- ROR703SQL error oc- curred while performing task FolderAd- dPermColum- nuDdateTask: %15s.UPDUPDATE8CODE_ER- ROR703SQL error oc- curred while performing task FolderAd- dPermColum- nuDdateTask: %15s.UPDUPDATE8CODE_ER- ROR802SQL Problem: %5.UPDUPDATE8CODE_ER- ROR804SQL Problem: %5.UPDUPDATE8CODE_ER- ROR807SQL %5.UPDUPDATE8CODE_ER- ROR808SQL Problem: %5.UPDUPDATE8CODE_ER- ROR802SQL Problem: %5.UPDUPDATE8CODE_ER- ROR904SQL Problem: %5.UPDUPDATE8CODE_ER- ROR902SQL Problem: %5.UPDUPDATE8CODE_ER- ROR902SQL Problem: %5.UPDUPDATE8COD	l	JPD	UPDATE	8		702	curred while performing task Contacts- FieldSizeUp- dateTask:
RORoccurred while perform- ing task Pass- wordMechUp- dateTask: %15s.UPDUPDATE8CODE_ER- ROR702An SQL error occurred while perform- ing task Pass- wordMechUp- dateTask: %15s.UPDUPDATE8CODE_ER- 	(JPD	UPDATE	8		702	curred while performing task FolderAd- dPermColum- nUpdateTask:
RORoccurred while perform- ing task Pass- wordMecHUp- dateTask: %1\$s.UPDUPDATE8CODE_ER- ROR703SQL error oc- curred while performing task FolderAd- dPermColum- nUpdateTask: %1\$s.UPDUPDATE8CODE_ER- 	l	JPD	UPDATE	8		702	occurred while perform- ing task Pass- wordMechUp- dateTask:
RORcurred while performing task FolderAd- dPermColum- nUpdateTask: %1\$s.UPDUPDATE8CODE_ER- ROR802SQL Problem: %s.UPDUPDATE8CODE_ER- ROR804SQL Problem: %s.UPDUPDATE8CODE_ER- ROR806SQL Problem: %s.UPDUPDATE8CODE_ER- ROR806SQL Problem: 	U	JPD	UPDATE	8		702	occurred while perform- ing task Pass- wordMechUp- dateTask:
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ROR%s.UPDUPDATE8CODE_ER- ROR806SQL Problem: %s.UPDUPDATE8CODE_ER- ROR807SQL Problem: %s.UPDUPDATE8CODE_ER- ROR808SQL Problem: %s.UPDUPDATE8CODE_ER- ROR808SQL Problem: %s.UPDUPDATE8CODE_ER- ROR902SQL Problem: %s.UPDUPDATE8CODE_ER- ROR904SQL Problem: %s.UPDUPDATE8CODE_ER- 	l	JPD	UPDATE	8		802	SQL Problem:
ROR%s.UPDUPDATE8CODE_ER- ROR807SQL Problem: %s.UPDUPDATE8CODE_ER- ROR808SQL Problem: %s.UPDUPDATE8CODE_ER- ROR902SQL Problem: %s.UPDUPDATE8CODE_ER- ROR904SQL Problem: %s.UPDUPDATE8CODE_ER- ROR904SQL Problem: %s.UPDUPDATE8CODE_ER- ROR905SQL Problem: %s.UPDUPDATE8CODE_ER- ROR905SQL Problem: %s.UPDUPDATE8CODE_ER- ROR905SQL Problem: %s.UPDUPDATE8CODE_ER- ROR906SQL Problem: %s.	l	JPD	UPDATE	8		804	
ROR%s.UPDUPDATE8CODE_ER-808SQL Problem: %s.UPDUPDATE8CODE_ER-902SQL Problem: %s.UPDUPDATE8CODE_ER-904SQL Problem: %s.UPDUPDATE8CODE_ER-904SQL Problem: %s.UPDUPDATE8CODE_ER-905SQL Problem: %s.UPDUPDATE8CODE_ER-905SQL Problem: %s.UPDUPDATE8CODE_ER-906SQL Problem: %s.UPDUPDATE8CODE_ER-906SQL Problem:	l	JPD	UPDATE	8		806	
ROR%s.UPDUPDATE8CODE_ER- ROR902SQL Problem: %s.UPDUPDATE8CODE_ER- ROR904SQL Problem: %s.UPDUPDATE8CODE_ER- ROR905SQL Problem: %s.UPDUPDATE8CODE_ER- ROR905SQL Problem: %s.UPDUPDATE8CODE_ER- ROR905SQL Problem: %s.UPDUPDATE8CODE_ER- 80906SQL Problem:	l	JPD	UPDATE	8		807	
ROR%s.UPDUPDATE8CODE_ER- ROR904SQL Problem: %s.UPDUPDATE8CODE_ER- ROR905SQL Problem: %s.UPDUPDATE8CODE_ER- %s.906SQL Problem: %s.	l	JPD	UPDATE	8		808	%s.
ROR%s.UPDUPDATE8CODE_ER-905SQL Problem: %s.UPDUPDATE8CODE_ER-906SQL Problem:				8	ROR	902	%s.
ROR %s. UPD UPDATE 8 CODE_ER- 906 SQL Problem:				8	ROR		%s.
				8	ROR		%s.
	l	JPD	UPDATE	8	_	906	



UPD	UPDATE	8	CODE_ER- ROR	907	SQL Problem: %s.		
UPD	UPDATE	8	CODE_ER- ROR	909	SQL Problem: %s.		
UPD	UPDATE	8	CODE_ER- ROR	910	SQL Problem: %s.		
UPD	UPDATE	10	SETUP_ER- ROR	102	No row found in table up- date.		
UPD	UPDATE	10	SETUP_ER- ROR	104	Multiple rows found.		
UPD	UPDATE	10	SETUP_ER- ROR	105	Resolving schema for context %1\$d failed.	Strange context identifi- er or a map- ping is miss- ing.	
UPD	UPDATE	10	SETUP_ER- ROR	301	Class %1\$s can not be loaded.	0	
UPD	UPDATE	10	SETUP_ER- ROR	302	Cannot instan- tiate class %1\$s.		
UPD	UPDATE	10	SETUP_ER- ROR	501	Cannot instan- tiate updater implementa- tion %1\$s.		
UPD	UPDATE	10	SETUP_ER- ROR	702	Can't resolve filestore.	No De- scrip- tion	
USR	USER	1	USER_IN- PUT	15	New password contains in- valid charac- ters	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	3	PERMIS- SION	13	No permission to modify re- sources in context %1\$s	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	5	SUBSYS- TEM_OR_SER- VICE_DOWN	5	Cannot get database con- nection.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	2	Cannot build distinguished name from %s.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	6	Cannot clone object %1\$s.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	7	SQL Problem: %s.	TODO	com.openex- change.group-



							ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	8	Hash algo- rithm %s isn't found.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	9	Encoding %s cannot be used.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	10	Cannot find user with identifier %1\$s in context %2\$d.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	11	Found two us- er with same identifier %1\$s in context %2\$d.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	12	Problem putting/remov- ing an object into/from the cache.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	8	CODE_ER- ROR	14	Missing or un- known pass- word mecha- nism %1\$s	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	10	SETUP_ER- ROR	1	Cannot find property %s.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	10	SETUP_ER- ROR	3	Class %s can not be loaded.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USR	USER	10	SETUP_ER- ROR	4	Cannot instan- tiate class %s.	TODO	com.openex- change.group- ware.ldap.UserExcep- tion
USS	USER_SET- TING	1	USER_IN- PUT	9	Invalid value %s written to setting %s.	TODO	com.openex- change.groupware.set- tings.SettingException
USS	USER_SET- TING	3	PERMIS- SION	3	Writing the setting %1\$s is not permitted.	TODO	com.openex- change.groupware.set- tings.SettingException
USS	USER_SET- TING	5	SUBSYS- TEM_OR_SER- VICE DOWN	1	Cannot get connection to database.	TODO	com.openex- change.groupware.set- tings.SettingException
USS	USER_SET- TING	8	CODE_ER- ROR	1	A SQL error occurred: %1\$s	TODO	com.openex- change.groupware.user-



							configuration.UserCon-
US	S USER_SET- TING	8	CODE_ER- ROR	2	A DBPooling error oc- curred	TODO	figurationException com.openex- change.groupware.user- configuration.UserCon- figurationException
US	s user_set- Ting	8	CODE_ER- ROR	3	Configuration for user %1\$s could not be found in con- text %2\$d	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
US	S USER_SET- TING	8	CODE_ER- ROR	4	Unknown set- ting path %1\$s.	TODO	com.openex- change.groupware.set- tings.SettingException
US	s USER_SET- TING	8	CODE_ER- ROR	5	Setting %1\$s is not a leaf one.	TODO	com.openex- change.groupware.set- tings.SettingException
US	S USER_SET- TING	8	CODE_ER- ROR	6	Exception while parsing JSON.	TODO	com.openex- change.groupware.set- tings.SettingException
US	s USER_SET- TING	8	CODE_ER- ROR	6	Instantiating the class failed.	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
US	s User_set- TING	8	CODE_ER- ROR	7	Cache initial- ization failed. Region: %1\$s	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
US	s User_set- Ting	8	CODE_ER- ROR	8	Problem while initialising configuration tree.	TODO	com.openex- change.groupware.set- tings.SettingException
US	s User_set- Ting	8	CODE_ER- ROR	8	User configura- tion could not be put into cache: %1\$s	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
US	s USER_SET- TING	8	CODE_ER- ROR	9	User configura- tion cache could not be cleared: %1\$s	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
US	s User_set- Ting	8	CODE_ER- ROR	9	User configura- tion could not be removed from cache: %1\$s	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
US	s User_set- Ting	8	CODE_ER- ROR	10	Found dupli- cate database identifier %d. Not adding preferences item.	TODO	com.openex- change.groupware.set- tings.SettingException
US	s User_set- TING	8	CODE_ER- ROR	10	Mail settings for user %1\$s	TODO	com.openex- change.groupware.user-



					could not be found in con- text %2\$d		configuration.UserCon- figurationException
USS	USER_SET- TING	8	CODE_ER- ROR	11	Exception while writing JSON object.	TODO	com.openex- change.groupware.set- tings.SettingException
USS	USER_SET- TING	10	SETUP_ER- ROR	4	Missing prop- erty %1\$s in system.proper- ties.	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
USS	USER_SET- TING	10	SETUP_ER- ROR	5	Class %1\$s can not be found.	TODO	com.openex- change.groupware.user- configuration.UserCon- figurationException
IMAP	imap_imaps	1	USER_IN- PUT	25	Versit attach- ment could not be saved due to an un- supported MIME type: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	1	USER_IN- PUT	2013	Mail folder cannot be cre- ated/re- named. Name must not con- tain character '%1\$s'	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	1	USER_IN- PUT	2017	No administer permission specified for folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	1	USER_IN- PUT	2036	Message move aborted for user %1\$s. Source and destination folder are equal: %2\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	1	USER_IN- PUT	2043	No attach- ment was found with id %1\$s in mes- sage	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	2	USER_CON- FIGURA- TION	2003	User %1\$s has no mail mod- ule access due to user confi- guration	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	50	Folder %1\$s does not hold messages and is therefore not selectable	TODO	com.openex- change.imap.IMAPEx- ception



IMAP	imap_imaps	3	PERMIS- SION	1010	An attempt was made to open a read- only folder with read- write: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2003	No access to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2004	No lookup ac- cess to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2005	No read ac- cess to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2006	No delete ac- cess to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2007	No insert ac- cess to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2008	No create ac- cess to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2009	No administer access to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2010	No write ac- cess to IMAP folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2011	No keep-seen access to mail folder %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2012	Folder %1\$s does not al- low subfold- ers.	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2014	A folder named %1\$s already exists	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2016	The com- posed rights could not be applied to new folder %1\$s due to missing admin- ister right in its initial rights specified by IMAP server. However, the folder has been created.	TODO	com.openex- change.imap.IMAPEx- ception



IMAP	imap_imaps	3	PERMIS- SION	2018	Default folder %1\$s cannot be updated	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2023	Folder %1\$s cannot be deleted	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2024	Default folder %1\$s cannot be deleted	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2032	Mail folder %1\$s must not be moved to subsequent folder %2\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	3	PERMIS- SION	2041	Not allowed to open folder %1\$s due to missing read access	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	5	SUBSYS- TEM_OR_SER- VICE_DOWN	1016	Connection was refused or timed out while attempt- ing to connect to remote server %1\$s for user %2\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	5	SUBSYS- TEM_OR_SER- VICE_DOWN	2029	IMAP search failed due to following rea- son: %1\$s. Switching to application- based search	TODO	com.openex- change.imap.IMAPEx- ception
IMAP			SUBSYS- TEM_OR_SER- VICE_DOWN	2030	IMAP sort failed due to following rea- son: %1\$s Switching to application- based sorting	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	7	INTER- NAL_ER- ROR	2025	Flag %1\$s could not be changed due to following reason: %2\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	7	INTER- NAL_ER- ROR	2039	Message(s) %1\$s in folder %2\$s could not be delet- ed due to fol- lowing error: %3\$s	TODO	com.openex- change.imap.IMAPEx- ception

Error codes



IMAP imap_imaps 7	INTER- NAL_ER- ROR	2047	A protocol ex- ception oc- curred during execution of an IMAP re- quest: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	1	Missing param- eter %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	2	Invalid permis- sion values: fp=%1\$s orp=%2\$s owp=%3\$s odp=%4\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	3	A JSON error occurred: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	4	Missing param- eter in user's mail config: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	8	An I/O error occurred %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	16	Unsupported charset-encod- ing: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	22	Message field %1\$s cannot be handled	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	1002	Mail folder could not be found: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	2001	No connec- tion available to access mail- box	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	2015	Mail folder %1\$s could not be creat- ed (maybe due to insuffi- cient permis- sion on parent folder %2\$s or due to an in- valid folder name)	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps 8	CODE_ER- ROR	2019	Deletion of folder %1\$s failed	TODO	com.openex- change.imap.IMAPEx- ception



	0		2020	INAAD default	TODO	
IMAP imap_imaps	0	CODE_ER- ROR	2020	IMAP default folder %1\$s could not be created	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2021	Missing de- fault %1\$s folder in user mail settings	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2022	Update of folder %1\$s failed	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2028	Number of search fields (%d) do not match num- ber of search patterns (%d)	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2031	Unknown search field: %1\$s	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2035	Missing %1\$s folder in mail move opera- tion	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2037	IMAP folder read-only check failed	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2038	Unknown folder open mode %d	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2042	The raw con- tent's input stream of message %1\$s in folder %2\$s cannot be read	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2045	Versit object could not be saved	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2046	IMAP server does not sup- port capability THREAD=REF- ERENCES	TODO	com.openex- change.imap.IMAPEx- ception
IMAP imap_imaps	8	CODE_ER- ROR	2048	Mailbox' root folder must not be source or the destina- tion fullname of a move op- eration.	TODO	com.openex- change.imap.IMAPEx- ception



IMAP	imap_imaps	8	CODE_ER- ROR	2049	Sort field %1\$s is not supported via IMAP SORT command	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	8	CODE_ER- ROR	2050	Missing per- sonal names- pace	TODO	com.openex- change.imap.IMAPEx- ception
IMAP	imap_imaps	11	exter- Nal_re- Source_full	2034	Message could not be moved to trash folder	TODO	com.openex- change.imap.IMAPEx- ception
LGI	comopenex- change.au- thentica- tion	3	PERMIS- SION	1	Account %s is locked.		
LGI	comopenex- change.au- thentica- tion	4	TRY_AGAIN	2	Account %s is not ready yet.		
LGI	comopenex- change.au- thentica- tion	8	CODE_ER- ROR	3	Unknown problem: %s.		
LGI	comopenex- change.au- thentica- tion	5	SUBSYS- TEM_OR_SER- VICE_DOWN	5	Login not pos- sible at the moment. Please try again later.		
LGI	comopenex- change.au- thentica- tion	1	USER_IN- PUT	6	Invalid creden- tials.		
LGI	comopenex- change.au- thentica- tion	8	CODE_ER- ROR	7	Instantiating the class failed.		
LGI	comopenex- change.au- thentica- tion	10	SETUP_ER- ROR	8	Class %1\$s can not be found.		
LGI	comopenex- change.au- thentica- tion	10	SETUP_ER- ROR	9	Missing prop- erty %1\$s.		
LGI	comopenex- change.au- thentica- tion	5	SUBSYS- TEM_OR_SER- VICE_DOWN	10	Database down.		
LGI	comopenex- change.au- thentica- tion	3	PERMIS- SION	11	Your pass- word has ex- pired. In order to change it,		



					please log in to %1\$s.	
CNV	comopenex- change.con- version	8	CODE_ER- ROR	1	The given type of %1\$s is not support- ed	
CNV	comopenex- change.con- version	8	CODE_ER- ROR	2	Missing argu- ment %1\$s	
CNV	comopenex- change.con- version	8	CODE_ER- ROR	3	Invalid value for argument %1\$s: %2\$s	
CNV	comopenex- change.con- version	8	CODE_ER- ROR	4	Unknown data source identifi- er: %1\$s	
CNV	change.con- version	8	CODE_ER- ROR	5	Unknown data handler identi- fier: %1\$s	
CNV	comopenex- change.con- version	8	CODE_ER- ROR	6	No matching type could be found for data source %1\$s and data han- dler %2\$s	
CNV	comopenex- change.con- version	8	CODE_ER- ROR	7	An error oc- curred: %1\$s	
CNV	comopenex- change.con- version	12	TRUNCAT- ED	8	The following field(s) are too long: %1\$s	
118N	comopenex- change.i18n	10	SETUP_ER- ROR	101	Unexpected token %s in .po file %s:%s. Expected one of %s	that
118N	comopenex- changei18n	10	SETUP_ER- ROR	102	Unexpected token %s in .po file %s:%s. Expected one of %s	Please check that the file is cor- rectly format- ted.
118N	comopenex- change.i18n	10	SETUP_ER- ROR	103	Got %s, but expected a number in .po file %s:%s.	Please check that the file is cor- rectly format- ted.



118N	comopenex- changei18n	10	SETUP_ER- ROR	104	but expected	check that the file
118N	comopenex- change.i18n	10	SETUP_ER- ROR	105	An IOExcep- tion ocurred reading .po file %s.	Please make sure the file is read- able by the group- ware.

Table 12.1. Registry entries for themeability



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