



OX Guard
Release Notes for Release 2.10.7
2023-02-06

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1 General Information

Enhancement to OX Guard v2.10.7. This release includes:

As of OX Guard v2.10.7, S/Mime has been added as an encryption mechanism. This means that users can now choose between PGP and S/Mime. In some cases having two encryption options may cause confusion. For this reason users can be configured to have the option of both or be only be presented by one encryption mechanism. For more details on how to configure S/Mime for secure email communications, please refer to the instructions here: https://oxpedia.org/wiki/index.php?title=AppSuite:OX_Guard_Smime

IMPORTANT - Please Note

OX Guard v2.10.7 requires the latest OX App Suite Middleware (Backend) v7.10.6-rev37. We encourage administrators to install this update first.

2 Shipped Version

Open-Xchange Guard 2.10.7-rev4

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

3 Changes relevant for Operators

3.1 Changes of Configuration Files

Change #SCR-1105 Add smime capability and configuration

Guard 2.10.7 will add smime support

Capability added: `com.openexchange.capability.smime`

Added capability smime to enable/disable this functionality for the user.

Configuration added: `com.openexchange.smime.caGroupId`

Configures the group ID for the user. This is used to associate imported certificate authorities for the user. When certificates are imported, they are given a group Id. Assign this groupId to the user if they should have certificates accept the newly imported certificate authority.

Configuration added: `com.openexchange.smime.databaseStorage`

Activates the smime database storage. Defaults to true.

Configuration added: `com.openexchange.smime.checkCRL`

Check X509 Certificates against CRL revoke lists. Will add sometimes significant delay to verifications

Configuration added: `com.openexchange.smime.caDatabase`

Activates the smime certificate authority database storage. Defaults to true

3.2 Changes of Database Schema

Change #SCR-1108 Add smime private key table

Use update task to add `og_smime_private` table to user databases.

```
"CREATE TABLE `og_smime_private` (\n" + "`id` int(11) NOT NULL AUTO_INCREMENT,\n" + "`userId` int(11) DEFAULT NULL,\n" + "`cid` int(11) DEFAULT NULL,\n" + "`key` varchar(4096)
```

```
DEFAULT NULL,\n" + " `recovery` varchar(512) DEFAULT NULL,\n" + " `salt` varchar(100) DEFAULT
NULL,\n" + " `email` varchar(100) DEFAULT NULL,\n" + " `masterKeyIndex` int(11) DEFAULT
NULL,\n" + " `recovery_email` varchar(100) DEFAULT NULL,\n" + " `serial` varchar(100) DEFAULT
NULL,\n" + " `current` bit(1) DEFAULT NULL,\n" + " PRIMARY KEY (`id`),\n" + " KEY `og_smime_private_
(`userId`,`cid`) USING BTREE\n" + ") ENGINE=InnoDB AUTO_INCREMENT=31 DEFAULT CHARSET=utf8mb4;"
```

Change #SCR-1107 Add certificate authority database to Guard

Liquibase update task to add cert_auths table to Guard

```
CREATE TABLE `trusted_cert_auths` ( `ca_id` int(11) NOT NULL AUTO_INCREMENT, `group_id`
int(11) DEFAULT NULL, `certificate` varchar(4096) DEFAULT NULL, `hash` varchar(128) DEFAULT
NULL, PRIMARY KEY (`ca_id`), UNIQUE KEY `cert_auths_UN` (`group_id`,`hash`) ) ENGINE=InnoDB
AUTO_INCREMENT=7 DEFAULT CHARSET=utf8mb4;
```

Change #SCR-1106 Add smime public key database to Guard

Liquibase update task to create smime_pub table to guard database:

```
CREATE TABLE `smime_pub` ( `serial` varchar(100) NOT NULL, `email` varchar(255) NOT NULL,
`userid` int(11) DEFAULT NULL, `cid` int(11) DEFAULT NULL, `publicKey` varchar(4096) DEFAULT
'', `chain` varchar(8192) DEFAULT '', `expires` date DEFAULT NULL, `userKey` bit(1) DEFAULT
0, `lastSeen` date DEFAULT NULL, PRIMARY KEY (`serial`,`email`) ) ENGINE=InnoDB DEFAULT
CHARSET=utf8mb4;
```

3.3 Changes of Commandline Tools

Change #SCR-1109 Add CLT for smime management

Guard 2.10.7 will add smime support.

Adding CLT for SMIME management. /opt/open-xchange/sbin/smime added.

Allows to reset user smime password, import certificate authority, import private keys.