

Altova CbC Reporting Solution

On-Premises Installation Guide

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1 Introduction

Altova's County-by-Country Reporting Solution (hereafter, also Altova CbCR for short) enables you (i) to import and edit, or directly enter, your CbC Reporting (CbCR) data in a standard browser interface, and (ii) to generate XML output that is compliant with the [OECD CbCR XML Schema definition](#).

ALTOVA® CbC Reporting Solution

Easy CbC Report Generation

www.altova.com

Select the country that you will send the CbC Report to.

Reporting Country - no country selected -

Please select the country you want to create a report for.

Reporting Entity

Name *

Country *

Tax ID Number * NOTIN

Entity ID

Address

Reporting Role *

Edit Reporting Entity...

Create new CbC Report Create New CbC Report...

Use Excel template Download Excel Template for Import...

View existing Reports View existing Reports...

Create Correction Report Create Correction Report...

Import CbC Report Message Import CbC Message

The Reporting Entity of the Multinational Enterprise (MNE) Group that ensures the preparation and filing of the CbC Report.

You need to provide correct data for the Reporting Entity before you can create a new CbC Report Message

You can use an Excel Template to import your reporting data..

View CbC Reporting messages and correction messages that have been created before.

Create a Report that contains corrections or amendments to a CbC Report that has been sent to the Tax Authorities before.

You can import a CbC Message that has been generated in another system.

Quick Start Guide...

Evaluation Version 2.0.18
Based on OECD CbC XML Schema v 1.0.1
September 2017

Neo User

If you have any questions regarding Altova's Country by Country Reporting Solution or if you want a free demo installation please contact us at cbc-reporting@altova.com

Powered by Altova MobileTogether Server - <https://www.altova.com/mobiletogether>

There are two ways to access Altova CbCR. You can choose whichever suits you better.

- On **Altova's cloud portal**: After signing-up for the Altova Cloud Portal service, you can subscribe to Altova CbC Reporting Solution and quickly set up access for yourself and your team.

- Via an **on-premises installation**: You can install Altova CbC Reporting Solution on your local network. Install the individual components required to run Altova CbCR separately. This way you can customize your CbCR installation to suit specific company-internal requirements.

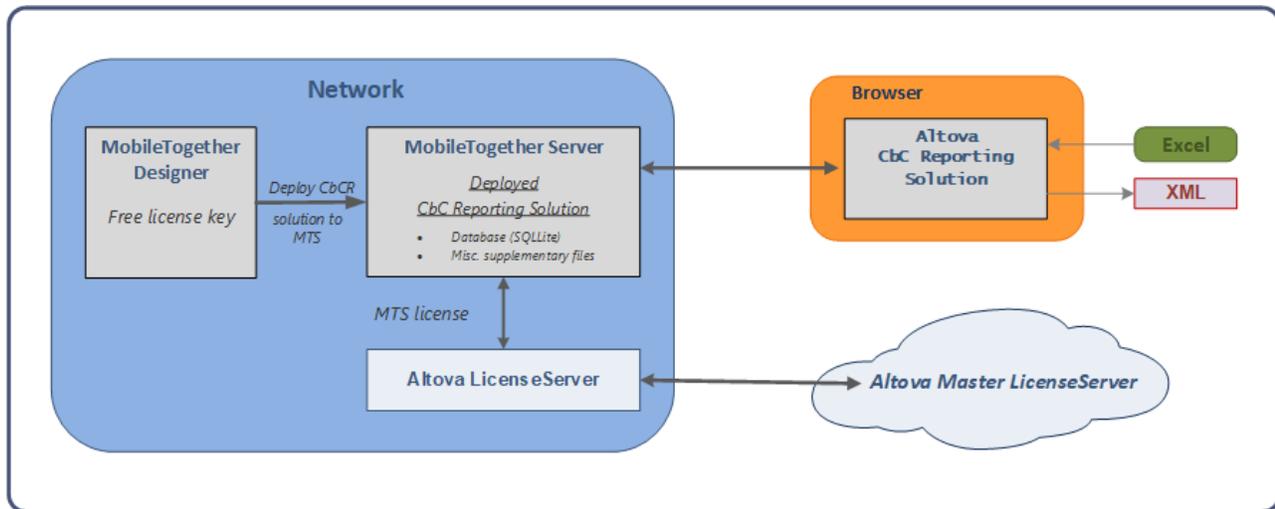
Please see the Altova CbC Reporting Solution webpage for product information: <https://www.altova.com/cbc-reporting-solution>

This documentation

This documentation describes the procedure for installing the components needed to run Altova CbCR on your premises.

2 On-Premises Installation

In an on-premises installation (as opposed to accessing the CbC Reporting Solution via the Altova Cloud Portal), the CbC Reporting Solution is deployed to MobileTogether Server by MobileTogether Designer. The solution is served from MobileTogether Server to browser clients. The diagram below gives an overview of the system components and how they work together.



On-premises installation steps

Carry out the following steps to install the CbC Reporting Solution:

1. [Install Altova MobileTogether Designer](#)⁷. Obtain a MobileTogether Designer license, which is free of charge, and activate MobileTogether Designer.
2. [Install Altova MobileTogether Server and Altova LicenseServer](#)⁸, and [register MobileTogether Server with LicenseServer](#)¹⁶.
3. [Obtain a license for Altova MobileTogether Server](#)¹⁸, and assign the MobileTogether Server license.
4. Open MobileTogether Designer and [deploy the CbC Reporting Solution to MobileTogether Server](#)²².
5. [Start the CbC Reporting Solution](#)²⁶.

These steps are described in detail in the sections of this chapter. See [Upgrade to New Version of CbCR Solution](#)²⁵ for information about upgrading.

Altova product documentation

For more detailed information, see the respective product documentation at the [Altova website](https://www.altova.com/) (<https://www.altova.com/>).

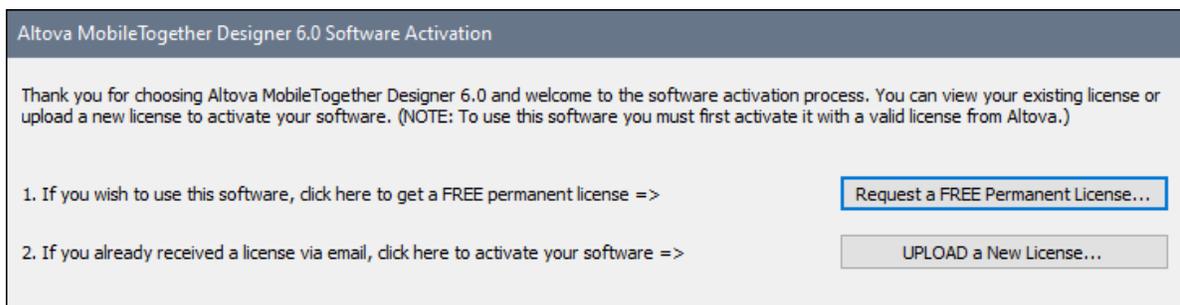
- Altova LicenseServer: <https://www.altova.com/manual/AltovaLicenseServer/>
- MobileTogether Server: <https://www.altova.com/manual/MobileTogether/mobiletogetherserver/>

2.1 Install and License MobileTogether Designer

Altova MobileTogether Designer is a Windows application that is needed in order to deploy Altova CbC Reporting Solution to Altova MobileTogether Server. A permanent license key for MobileTogether Designer is available free of charge.

To install MobileTogether Designer and license it, do the following:

1. Go to the [MobileTogether Designer download page](https://www.altova.com/mobiletogether/download) (<https://www.altova.com/mobiletogether/download>) to download and install the software.
2. Start MobileTogether Designer and click the menu command **Help | Software Activation**. The Software Activation dialog appears (*see screenshot below*).



3. Click **Request a Free Permanent Key**.
4. In the dialog that appears now, enter the requested information and click **Request Now**.
5. A permanent MobileTogether Designer license will be sent to the email address you entered. Save the license to a file location.
6. To license MobileTogether Designer, you can either (i) double-click the license file, or (ii) in the Software Activation dialog (*screenshot above*), click **Enter a New Key Code** and, in the New Key-code dialog that appears, copy the license details from the license email you received.

2.2 Install MobileTogether Server and Altova LicenseServer

Altova MobileTogether Server is licensed via Altova LicenseServer. Because of this:

- both servers need to be installed, either on the same machine or on different machines on your network, and
- MobileTogether Server must be registered with Altova LicenseServer

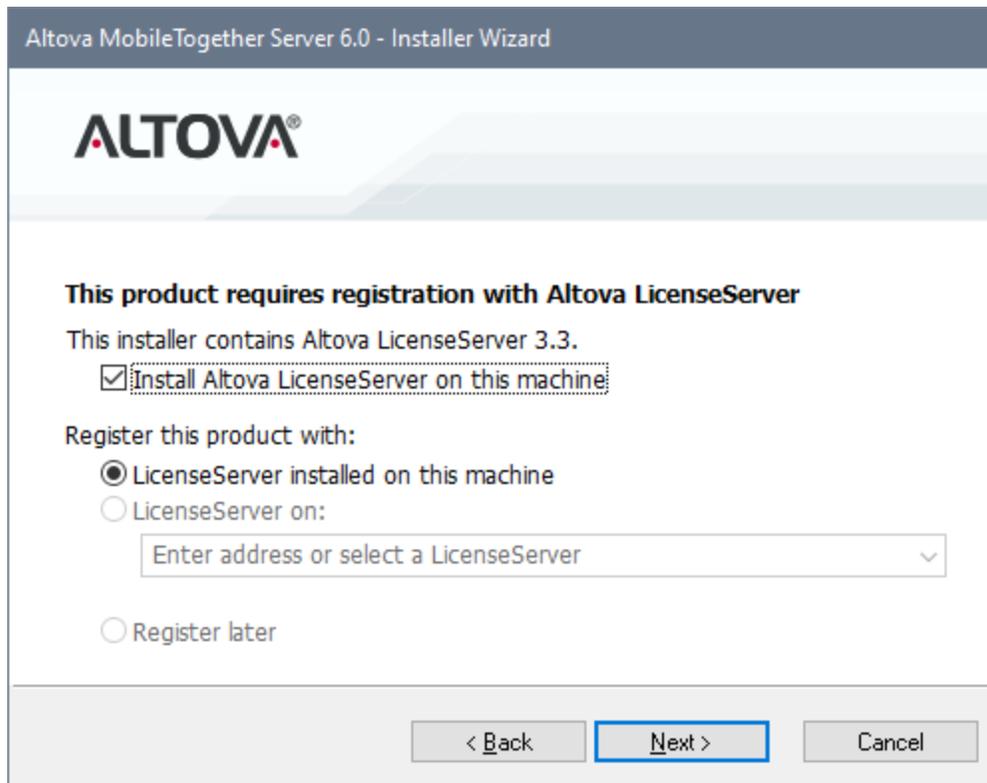
This chapter describes the installation of Altova LicenseServer and MobileTogether Server on [Windows](#)⁸, [Linux](#)¹¹, and [macOS](#)¹¹.

Subsequent chapters describe how to:

- [Start Altova LicenseServer](#)¹²
- [Start MobileTogether Server](#)¹⁴
- [Register MobileTogether Server with Altova LicenseServer](#)¹⁶
- [License MobileTogether Server](#)¹⁸

2.2.1 On Windows

When you install MobileTogether Server (MTS), the installer will inform you that you can choose to also install the corresponding Altova LicenseServer version on the same machine (*see screenshot below, which shows a screen of the MTS installer wizard*). Additionally, you can choose whether you want to *register* the server product (MTS) during the installation process, and, if yes, then with which LicenseServer (LS) on your network (*see screenshot below*).



You have two broad installation options:

- *Joint installation:*
- *Separate installations:* You can install MTS and LS separately (on the same machine, or with LS on a different machine). If you want the servers on different machines, then you **must** install them separately; you cannot run a joint installation as described in the previous bullet point. In the case of separate installations, it is best to install LicenseServer first and start it. That way, when you install MTS and SVS, you can register them with the already-installed LicenseServer (*see the registration options in the MobileTogether Server Installer Wizard screenshot above*).

Note: If you are updating your version of MobileTogether Server, then make sure that you update your LicenseServer version as well (to the corresponding LicenseServer version or higher).

Download and install Altova LicenseServer

This step is required only if you are installing LicenseServer (LS) on a different machine than the one on which installed. Otherwise, you can skip a separate installation, and instead install LS during the installation of MTS (*see next section below*).

To download and install LicenseServer, do the following:

1. Go to the [LicenseServer download page \(https://www.altova.com/licenseserver/download\)](https://www.altova.com/licenseserver/download).
2. Download LicenseServer for the appropriate OS (LicenseServer is available for Windows, Linux, and macOS).
3. Install LicenseServer. If you have difficulties or need detailed information, see the [appropriate Installation section of the LicenseServer documentation](#).

After installation, start LS as described in.

Download and install MobileTogether Server

The MobileTogether Server (MTS) installer can optionally install Altova LicenseServer (LS) on the same machine as MTS. If you plan to install MTS and LS on the same machine, then it is best that you install both during the MTS installation. If LS is already installed on a machine in your network, then make sure that: (i) the LS version number is the same or higher than that which corresponds to the MTS or SVS version you are installing (whichever is higher), and (ii) that you register MTS with ALS. The ALS version that corresponds to the MTS version you are installing is given in the Installer Wizard screen (*see screenshot below*).

To install MTS (and, optionally, Altova LicenseServer), do the following:

1. Go to the [MobileTogether Server download page](https://www.altova.com/mobiletogether/download) (<https://www.altova.com/mobiletogether/download>).
2. Download the MTS installer for the appropriate OS (MTS is available for Windows, Linux and macOS).
3. Start the MTS installer.
4. In the LS screen (*screenshot below*), select: (i) whether you wish to install LicenseServer as part of the MobileTogether Server installation, or not; and (ii) whether you wish to register MTS with a LS or not, and, if yes, then with which LS. The section describes how to register MTS with LS later—that is, subsequent to the installations of both servers..

Altova MobileTogether Server 6.0 - Installer Wizard

ALTOVA®

This product requires registration with Altova LicenseServer

This installer contains Altova LicenseServer 3.3.

Install Altova LicenseServer on this machine

Register this product with:

LicenseServer installed on this machine

LicenseServer on:

Enter address or select a LicenseServer

Register later

< Back Next > Cancel

If you have difficulties or need detailed information, see the [appropriate Installation section of the MobileTogether Server documentation](#).

After installation, start MTS as described in

2.2.2 On Linux

If you are installing MobileTogether Server and Altova LicenseServer on Linux, you must install the two servers separately. The installation and setup steps are as follows:

1. Download the Linux packages of MobileTogether Server and Altova LicenseServer from the [Altova Download Center](https://www.altova.com/download) (<https://www.altova.com/download>).
2. Install the MobileTogether Server and Altova LicenseServer packages. For information about how to do this, see https://www.altova.com/manual/MobileTogether/mobiletogetherserver/index.html?srvtplinux_installation.htm.
3. [Start Altova LicenseServer](#)¹² and [MobileTogether Server](#)¹⁴.
4. [Register MobileTogether Server](#)¹⁶.
5. [Assign a license](#)¹⁸ to MobileTogether Server from LicenseServer.

For additional information, see the [MobileTogether Server documentation](#)⁶.

2.2.3 On macOS

If you are installing MobileTogether Server and Altova LicenseServer on macOS, you must install the two servers separately. The installation and setup steps are as follows:

1. Download the macOS packages of MobileTogether Server and Altova LicenseServer from the [Altova Download Center](https://www.altova.com/download) (<https://www.altova.com/download>).
2. Install the MobileTogether Server and Altova LicenseServer packages. For information about how to do this, see https://www.altova.com/manual/MobileTogether/mobiletogetherserver/index.html?srvtplinux_installation.htm.
3. [Start Altova LicenseServer](#)¹² and [MobileTogether Server](#)¹⁴.
4. [Register MobileTogether Server](#)¹⁶.
5. [Assign a license](#)¹⁸ to MobileTogether Server from LicenseServer.

For additional information, see the [MobileTogether Server documentation](#)⁶.

2.3 Start Altova LicenseServer

In order to use MobileTogether Server, it must be licensed with an Altova LicenseServer on your network. LicenseServer must be running continuously as a service in order for MobileTogether Server to run. Stopping LicenseServer will also stop MobileTogether Server. If this happens, you will need to first restart LicenseServer (how to do this is described in this chapter) and then restart the stopped MobileTogether Server (see [next chapter](#)¹⁴).

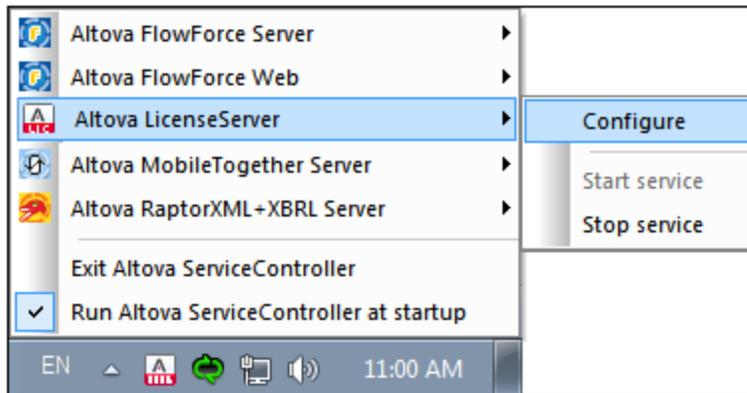
Start and stop LicenseServer

Start and stop LicenseServer as follows:

▼ On Windows

You can start LicenseServer via the Altova ServiceController, which is available in the system tray.

First, click **Start | All Programs | Altova LicenseServer | Altova ServiceController** to start Altova ServiceController and display its icon in the system tray (see *screenshot below*). If you select the *Run Altova ServiceController at Startup* option, Altova ServiceController will start up on system start and its icon will be available in the system tray from then onwards.



To start LicenseServer, click the Altova ServiceController icon in the system tray, hover over **Altova LicenseServer** in the menu that pops up (see *screenshot above*), and then select **Start Service** from the LicenseServer submenu. If LicenseServer is already running, the *Start Service* option will be disabled.

To stop LicenseServer, select **Stop Service** from the LicenseServer submenu (see *screenshot above*).

▼ On Linux

To correctly register and license MobileTogether Server with LicenseServer, LicenseServer must be running as a daemon on the network. Start LicenseServer as a daemon with the following command:

[< Debian 8]	<code>sudo /etc/init.d/licenseserver start</code>
[≥ Debian 8]	<code>sudo systemctl start licenseserver</code>
[< CentOS 7]	<code>sudo initctl start licenseserver</code>
[≥ CentOS 7]	<code>sudo systemctl start licenseserver</code>
[< Ubuntu 15]	<code>sudo initctl start licenseserver</code>
[≥ Ubuntu 15]	<code>sudo systemctl start licenseserver</code>
[RedHat]	<code>sudo initctl start licenseserver</code>

If at any time you need to stop LicenseServer, replace `start` with `stop` in the above commands. For example:

```
sudo /etc/init.d/licenseserver stop
```

▼ On macOS

To correctly register and license MobileTogether Server with LicenseServer, LicenseServer must be running as a daemon. Start LicenseServer as a daemon with the following command:

```
sudo launchctl load /Library/LaunchDaemons/com.altova.LicenseServer.plist
```

If at any time you need to stop LicenseServer, replace `load` with `unload` in the above command:

```
sudo launchctl unload /Library/LaunchDaemons/com.altova.LicenseServer.plist
```

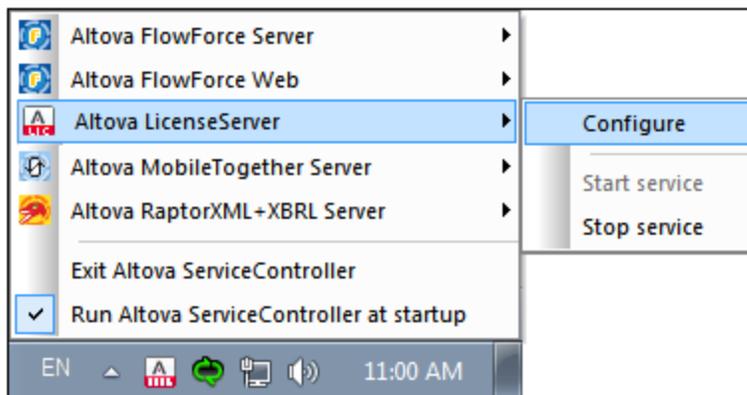
2.4 Start MobileTogether Server

In order to run MobileTogether Server, it must be started as a service. Do this as described below.

▼ On Windows

You can start MobileTogether Server via the Altova ServiceController, which is available in the system tray.

First, click **Start | All Programs | Altova LicenseServer | Altova ServiceController** to start Altova ServiceController and display its icon in the system tray (see screenshot below). If you select the *Run Altova ServiceController at Startup* option, Altova ServiceController will start up on system start and its icon will be available in the system tray from then onwards.



To start MobileTogether Server, click the Altova ServiceController icon in the system tray, hover over **MobileTogether Server** in the menu that appears (see screenshot above), and then select **Start Service** from the MobileTogether Server submenu. If **MobileTogether Server** is already running, the *Start Service* option will be disabled.

To stop MobileTogether Server, select **Stop Service** from the MobileTogether Server submenu (see screenshot above).

▼ On Linux

Start MobileTogether Server as a daemon with the following command:

[< Debian 8]	<code>sudo /etc/init.d/mobiletogetherserver start</code>
[≥ Debian 8]	<code>sudo systemctl start mobiletogetherserver</code>
[< CentOS 7]	<code>sudo initctl start mobiletogetherserver</code>
[≥ CentOS 7]	<code>sudo systemctl start mobiletogetherserver</code>
[< Ubuntu 15]	<code>sudo initctl start mobiletogetherserver</code>
[≥ Ubuntu 15]	<code>sudo systemctl start mobiletogetherserver</code>
[RedHat]	<code>sudo initctl start mobiletogetherserver</code>

To set up and configure MobileTogether Server, open its Web UI (Setup) page by entering the URL of the Web UI page in the address bar of an Internet browser: `http://<serverIPAddressOrName>:8085`.

Firewall Note

Make sure that the port address is not blocked by your firewall.

▼ **On macOS**

MobileTogether Server server daemon starts automatically after installation and a re-boot of the machine. You can start MobileTogether Server as a daemon with the following command:

```
sudo launchctl load /Library/LaunchDaemons/com.altova.MobileTogetherServer7.2.plist
```

If at any time you need to stop MobileTogether Server, use:

```
sudo launchctl
unload /Library/LaunchDaemons/com.altova.MobileTogetherServer7.2.plist
```

To set up and configure MobileTogether Server, open its Web UI (Setup) page in one of the following ways:

- Double-click the MobileTogether Server 7.2 icon in the Applications folder of the Finder
- Enter the URL of the Web UI page in the address bar of an Internet browser:
`http://<serverIPAddressOrName>:8085`

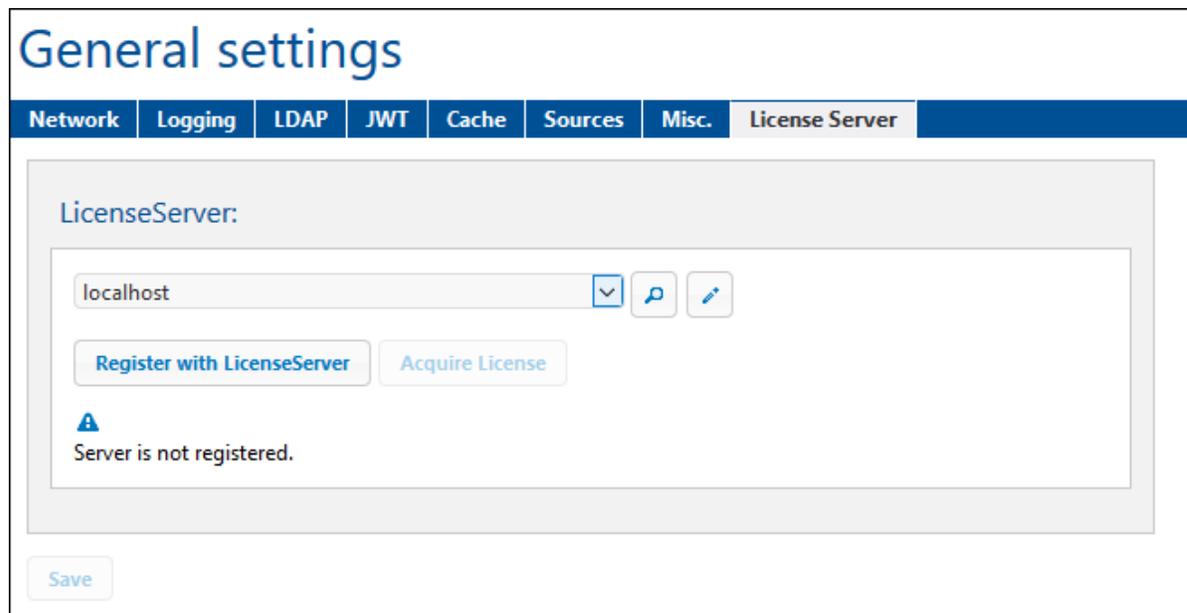
Firewall Note

Make sure that the port address is not blocked by your firewall.

2.5 Register MobileTogether Server

MobileTogether Server must be registered with Altova LicenseServer before MobileTogether Server can be licensed. If, during the installation process of MobileTogether Server, you have not registered MobileTogether Server with Altova LicenseServer, then you can do this subsequently via the administrator interface of MobileTogether Server as follows:

1. Open the MobileTogether Server administrator interface by entering in a web browser the IP address of the machine on which MobileTogether Server is installed, followed by the port number 8085. Thus, `http://<mts-ipaddress>:8085`.
2. Enter the username `root` and this user's default password `root`.
3. Go to the *Settings* tab and then to the *LicenseServer* pane (see screenshot below).



4. In the *Host* combo box, select the machine on which LicenseServer is installed; alternatively, enter the machine's IP address. The two buttons to the right of the combo box enable you, respectively, to search for machines on the network that host Altova LicenseServer, and to enter a host machine's IP address manually.
5. Click **Register with LicenseServer** to register MobileTogether Server with the selected LicenseServer.

Register MobileTogether Server from the command line

You can also register MobileTogether Server from the command line interface, by using MobileTogether Server's `licenseserver` command. (The commands below assume that Altova LicenseServer is installed on a machine named `localhost`.)

On Windows

```
<ProgramFilesFolder>\Altova\<%SVS-APPFOLDER%>\bin\MobileTogetherServer licenseserver localhost
```

On Linux

```
sudo /opt/Altova/<%SVS-APPFOLDER%>/bin/mobiletogetherserver licenseserver localhost
```

On macOS

```
sudo /usr/local/Altova/<%SVS-APPFOLDER%>/bin/mobiletogetherserver licenseserver localhost
```

2.6 License MobileTogether Server

The CbC Reporting Solution is deployed to and runs on MobileTogether Server. You need a license to use MobileTogether Server. This section describes how to obtain a MobileTogether Server license and assign it from Altova LicenseServer.

The MobileTogether Server license

You can obtain either:

- a free 30-day MobileTogether Server evaluation license (via Altova LicenseServer; *procedure described below*), or
- a paid MobileTogether Server license via the [Altova Online Shop](#) (in case of questions, contact sales@altova.com)

After obtaining a license, the license must be uploaded to Altova LicenseServer and assigned from the LicenseServer's administrator interface to MobileTogether Server.

Get, upload, and assign a MobileTogether Server license

This section describes how to:

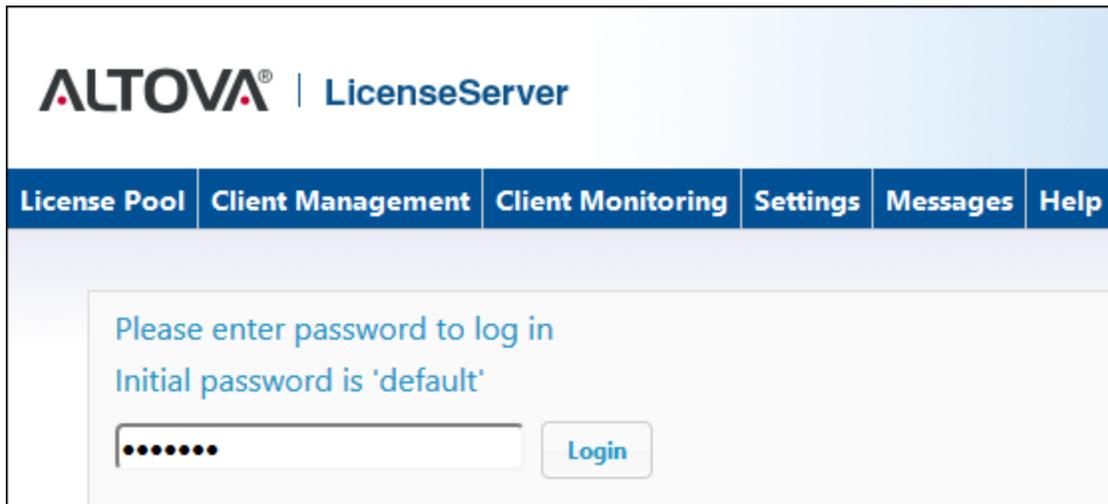
- Get a free 30-day MobileTogether Server evaluation license via Altova LicenseServer,
- Upload the received license to the license pool of Altova LicenseServer, and
- Assign the license to MobileTogether Server.

The uploading and assigning of a paid license is done in the same way as for the evaluation license described below.

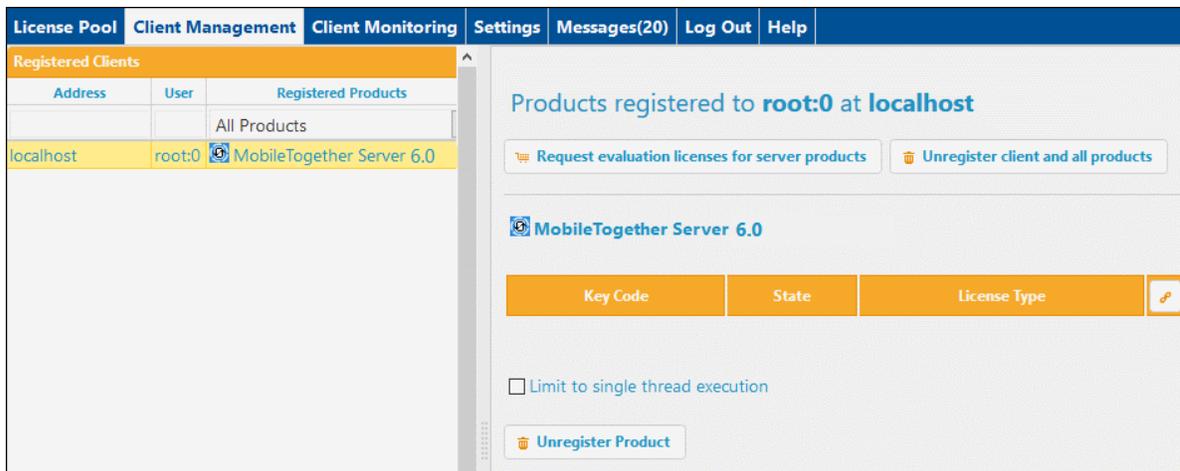
Get a free evaluation license

After you have started the virtual machine, get an evaluation license and assign it as follows:

1. In a web browser window, open the web interface of Altova LicenseServer by entering the IP address of the machine on which LicenseServer is installed, followed by the port number 8088. So: `http://<mts-ipaddress>:8088`. The LicenseServer login page is displayed (*screenshot below*).



2. Enter the initial password `default` to log in. (You can change the password later in the *Settings* tab.)
3. Go to the Client Management tab (*screenshot below*). You will see that MobileTogether Server is registered with LicenseServer, but that it is not licensed.



4. In the right-hand pane click **Request evaluation licenses for server products**. The Request Evaluation Licenses dialog (*screenshot below*) appears.

Request Evaluation Licenses

To request a free 30-day software evaluation key code, please enter the required information below. The licensing manager will automatically contact the Altova licensing server, which will fulfill your request and send the key code to you via email.

IMPORTANT: To receive an evaluation key code all fields must be filled in. Please ensure that your email address is entered accurately so that the key code can be delivered to you.

For GDPR compliance purposes, I am a resident/citizen of an EU member country.

Altova MobileTogether Server 6.0

Name: CBCR Tester
 Company: Altova GmbH
 Email: test.email@altova.com

Request Evaluation Licenses

5. Enter the requested information and click **Request Evaluation Licenses**.
6. A MobileTogether Server license will be sent to the email address you entered. Save the license to a file location.

Upload license to the license pool of LicenseServer

After saving the license to a file location, upload the license to the license pool of LicenseServer as follows:

1. In the LicenseServer interface, go to the License Pool tab (see first two screenshots of this section, above).
2. At the bottom of the License Pool tab, click the **Browse** button of the *Upload License File* field.

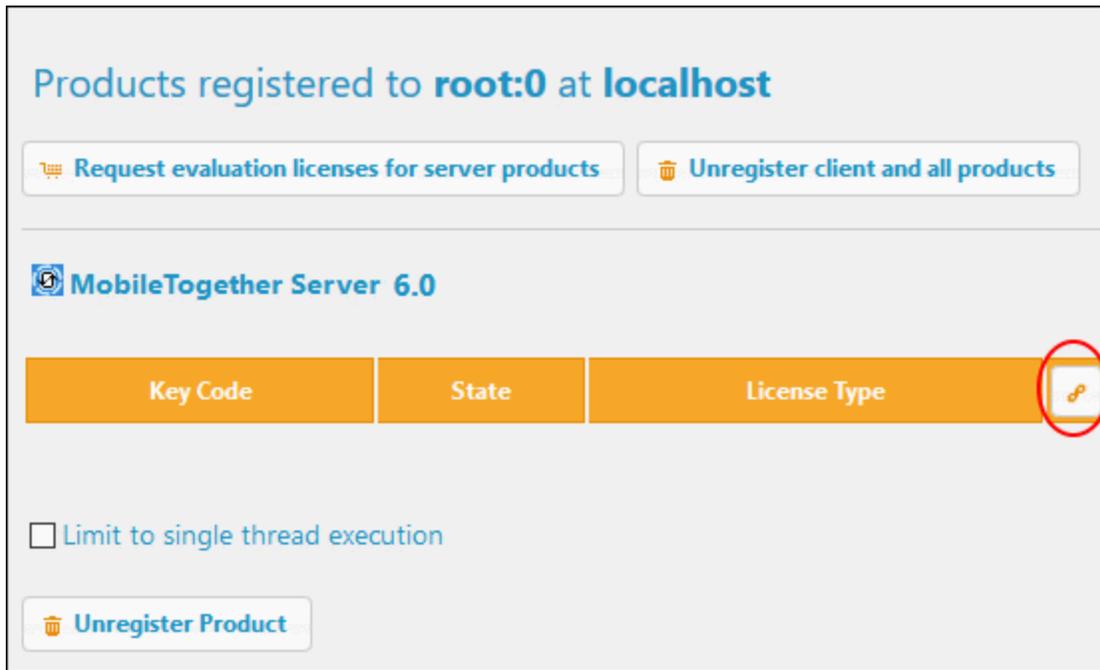
Upload License File

3. Browse and select the license file that you received by email, and click **Upload**. The license will now be available in the License Pool.

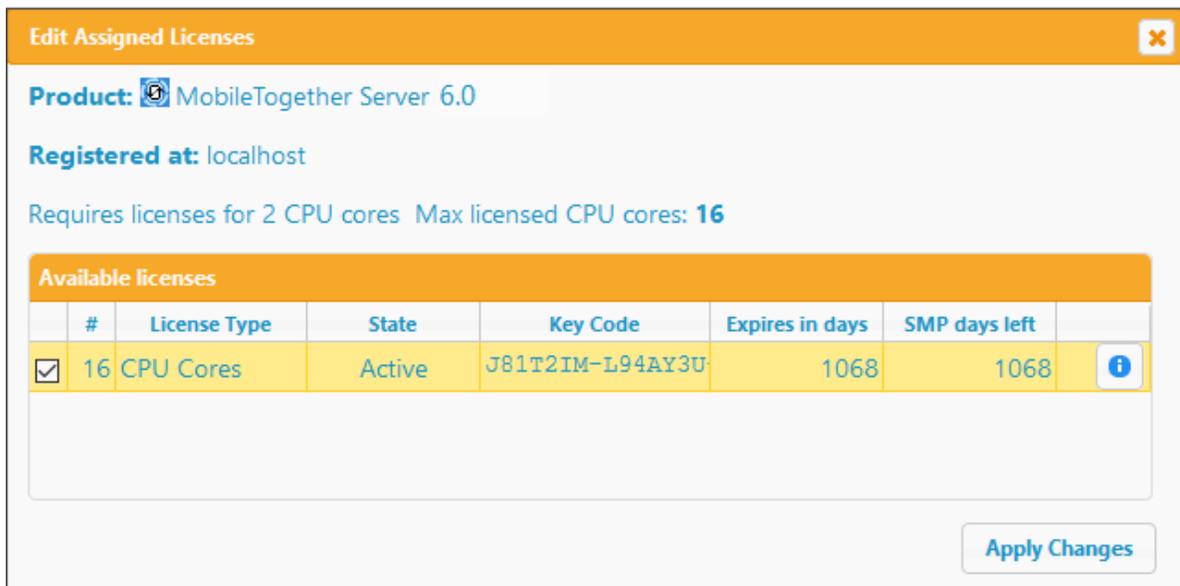
Assign a license

Assign the MobileTogether Server license from the license pool as described below:

1. Go to the Client Management tab. Click the client in the left pane to display the MobileTogether Server that is registered for this client.
2. If you have not yet accepted the MobileTogether Server license conditions, then the MobileTogether Server entry in the right-hand pane will contain a button for accepting the license. Accept the license now.
3. In the right-hand pane, click **Edit Assigned Licenses** (marked in red in the screenshot below).



- 4. In the Edit Assigned Licenses dialog that appears (*screenshot below*), the MobileTogether Server license (that was uploaded to the license pool) will be displayed. Select it and click **Apply Changes**. The license will be assigned.



The license will be assigned.

Note: For detailed information about using and configuring LicenseServer, click **Help** in the LicenseServer interface.

2.7 Deploy the Solution to MobileTogether Server

The Altova CbC Reporting Solution, together with associated files, are delivered as a zipped archive that can be downloaded from the Altova website. The zipped archive contains:

- A MobileTogether Package file (**.mtp** file), which is a MobileTogether package containing the CbCR solution and its data files.
- Additional files and folders; these will not be *deployed* to the server but must, instead, be *copied* to the server.

Note: If you are upgrading to a new version of Altova CbC Reporting Solution, then you must deploy only the MobileTogether Package file (**.mtp** file). Do not copy any additional file to the server; doing so would overwrite your existing data.

Deployment steps

Deployment consists of the following steps:

1. Unzip the zipped archive to a suitable location on your network
2. Deploy the MobileTogether package (**.mtp** file) to MobileTogether Server
3. Copy all the other files and folders in the unzipped archive to MobileTogether Server. If you are upgrading to a new version of Altova CbC Reporting Solution, then you **must not copy** any of the additional files to the server; doing so would overwrite your existing data.

Deploy the CbCR MobileTogether package (.mtp file)

To deploy the compliance database and its user management app to MobileTogether Server do the following:

1. Start the MobileTogether Server administrator interface via the URL: `http://<mts-ipaddress>:8085`, and log in (see [Important Information](#)²⁷ for credentials).
2. In the **Workflows** tab of MobileTogether Server, click **Create Container** and create a container named **cbc_reporting** directly under the root. This is the container on the server where you will deploy the solution. Alternatively, you can deploy to any other container you like. If you wish to deploy the solution to the already existing **public** container, then you do not need to create a new container. (For more information about how to do this, see the [MobileTogether Server user manual](#).)
3. In MobileTogether Designer, open the package file (**.mtp** file).
4. You will be asked whether you want to deploy the file. Click **Yes**. (If you need to, you can always deploy via the menu command **File | Deploy to MobileTogether Server**.)
5. In the dialog that appears (*screenshot below*), enter the IP address or network name of the machine hosting MobileTogether Server, the port number **8085** (which is the port number for administrator access to MobileTogether Server), and your login details.

Save Design

Enter the host name and port of a MobileTogether server to deploy the current design.

Server: localhost Port: 8085

User: root Use SSL

Password: ●●●●

Login: Directly

Global resources

Active configuration: Default

Deploy As

Path: /cbc_reporting/CbCRReporting

The path must start with a slash character.

Description: Solution for OECD Country by Country Reporting

Save design changes on deploying

Reset persistent client data on next workflow run

6. In the *Path* field (see screenshot above), select a suitable folder on the server to which to deploy. You can browse for the folder (aka container) that you want. Note that you can create new containers on the server (see point 2 above). For the situation shown in the screenshot above, the solution will be deployed to the container named `/cbc_reporting`, and it will be named `CbCRReporting`.
7. Click **OK** to deploy.

The CbCR solution and its associated files have now been deployed to MobileTogether Server. All you need to do to complete the deployment is to copy additional resources to the server (described below).

Copy additional files to the server

This step is required for new installations only. It must not be carried out if you are upgrading to a new version of Altova CbC Reporting Solution.

To complete the deployment of the system you need to copy all files and folders from the unzipped archive—other than the package file (`.mtp` file)—to the `production_data` folder of the *Server-side solution's working directory* of MobileTogether Server. Do this as follows:

1. In MobileTogether Server, go to the **Settings | Sources** tab (see [MobileTogether Server user manual](#)) and note the currently selected solution's working directory.
2. Copy all the files and folders in the top-level directory of the unzipped archive, except the package file (`.mtp` file), to the `production_data` folder of the server-side solution's working directory (*refer also to [Important Information](#)*²⁷). The SQLite database, named `cbc-reporting-database.sqlite`, is the solution's database and is a key file.

Note: You can define any folder on the server to be the *Server-side solution's working directory*, and copy the resources to a child folder named `production_data`. Note, however, that the working directory you select here will be the location of *all* MobileTogether workflows that are deployed on this server.

The solution is now deployed to the server together with its database and can be started in a web browser (see [Start the CbCR Solution](#)²⁶).

2.8 Upgrade to New Version of CbCR App

If you are upgrading to a newer version of Altova CbC Reporting Solution, do the following:

- Make sure that you install the latest versions of [Altova LicenseServer](#)⁸, [MobileTogether Designer](#)⁷, and [MobileTogether Server](#)⁸. For information about installation, see the respective sections.
- Make sure that MobileTogether Server is [registered](#)¹⁶ and [licensed](#)¹⁸ with Altova LicenseServer.
- Start MobileTogether Designer and, from it, deploy the new MobileTogether Package file (.mtp file) to MobileTogether Server. See [Deploy the Solution to MobileTogether Server](#)²² for information about how to do this.

Note: Do **not** copy the DB or any other file that is in the zipped archive you downloaded from the Altova website. If you do so, the new empty DB will overwrite your existing DB.

2.9 Start the CbCR Solution

The deployed CbC Reporting Solution can be started in any one of the following two ways:

Directly in a web browser

In a web browser type the solution's URL:

```
http://<server-ip-address>:8083/run?d=/<server-path-to-solution>
```

Examples:

```
http://localhost:8083/run?d=/cbc_reporting/CbCReporting
```

```
http://localhost:8083/run?d=/public/CbCReporting
```

Log in with `user=root` and `password=root`

Via the Workflows tab of the MobileTogether Server client interface

To avoid typing in the entire URL, you can also start the solution by first opening the MobileTogether Server client interface (which provides access to deployed solutions), and then selecting the CbCR solution.

1. In a web browser type the URL to access the MobileTogether Server client interface: `http://<server-ip-address>:8083`.
2. If prompted for login credentials, enter them.
3. Open the container that contains the solution (for example, the `cbc_reporting` container or `public` container).
4. Click the URL of the CbCR solution (in the *Run in Browser* column).

2.10 Important Information

Altova LicenseServer

Required in order to license MobileTogether Server.

- *Altova LicenseServer web interface:* `http://<als-ipaddress>:8088`
- *Altova LicenseServer initial password:* `default`

Note: The initial password can be changed in the Settings tab of LicenseServer.

MobileTogether Server administrator interface

Provides access to MobileTogether Server settings.

- *URL:* `http://<mts-ipaddress>:8085`
- *Default user:* `root`
- *Default password:* `root`

Note: To be able to log in to the administrator interface of MobileTogether Server, the username must be one that has administrative rights. A user named `root` is pre-defined and has administrator rights. So you can log in with administrator rights for the first time as `root`. You can change the password of `root` in the Users and Roles tab of the administrator interface. In this tab, you can also create additional users with different privileges.

See the [MobileTogether Server user manual](#) for more information.

MobileTogether Server client interface

The default URL is:

```
http://<mts-ipaddress>:8084
```

The client interface port can be set in the administrator interface of MobileTogether Server. See the [MobileTogether Server user manual](#) for more information.

MobileTogether Server solutions directory location

The server-side solutions directory is the physical folder location on the server to which solutions are deployed (from MobileTogether Designer). This folder is specified in the *Settings* tab of MobileTogether Server (see [Deploy the Solution to MobileTogether Server](#)⁽²²⁾). Once this setting has been specified, all deployed files will be saved to this location. After deploying the solution, you must also **manually** save the SQLite database to the **same folder**. You can set any folder on the server to be the server-side solutions directory. The locations of the default solutions folder on Windows, Linux, and macOS, respectively, is given below.

On Windows

```
C:\ProgramData\Altova\MobileTogetherServer\SolutionFiles
```

On Linux

```
/var/opt/Altova/MobileTogetherServer/SolutionFiles
```

On macOS

`/usr/local/Altova//MobileTogetherServer/SolutionFiles`

Note: The `ProgramData` folder is by default a hidden folder on Windows systems. So you will need to change the option of Windows Explorer that hides folders.

CbC Reporting Solution

The URL of the CbCR solution is:

`http://<host>:8083/run?d=/cbc_reporting/CbCReporting`

- Replace `<host>` with the IP address or hostname of MobileTogether Server
- Login with `user=root` and `password=root`
- The container names `cbc_reporting` is assumed to be the container [where the CbCR solution has been deployed](#)²².

Online user manuals of Altova products

These are available at the [Altova website](#):

- Altova LicenseServer: <https://www.altova.com/documentation#licenseserver>
- MobileTogether: <https://www.altova.com/documentation#mobiletogether>

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