

7T
is becoming

Schneider
Electric



License Server Manager

Release date: February 2010

Contents

Database Warning	3
ReadMe 1st	4
Menu Setup Options	6
Appendix Section	10
Black Box Option	11
User Access Rights	12

Database Warning

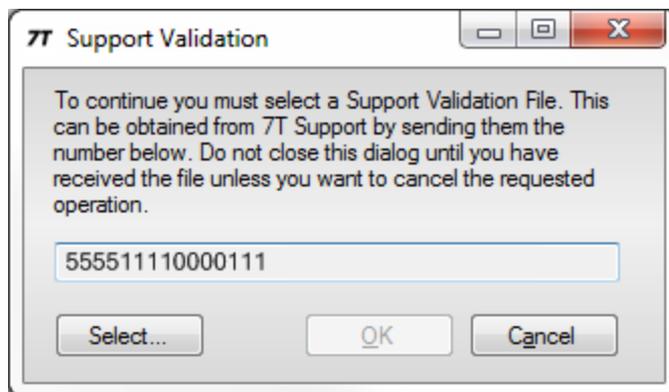
This topic is a warning message in regards to the backup of the License Server Manager database.

All license information is stored in an encrypted database file called **LicenseServer.cfg**. You must handle this file with utmost care since a restore of the file can lock the security system.

In the event that the database locks you will need to send a request to 7-Technologies. Follow these guidelines to unlock the system.

1. From the **License Server Manager**, hold down the **Ctrl** button while you right-click.
2. Select **Fix Database Lock Mismatch** to open a dialog that contains a special code that you must send to 7-Technologies (Utilities Support).

You must keep the dialog open till you hear back from 7-Technologies.



Contact support at **support@7t.dk** or call **+45 45 900 777**.

3. Subsequently follow the instructions given by Support.

ReadMe 1st

It is recommended to perform or validate the following actions at some point in time before the other license holders (end users) can activate the TERMIS Operation or AQUIS Operation application.

Action	Details										
Before setting up and monitoring the License Server Manager ensure that the 7T Service is running.	From the Control Panel select Administration Tools , point to Services and locate the 7T License Server .										
Provide appropriate connection information.	<p>Provide all other license holders with the appropriate connection information.</p> <ul style="list-style-type: none"> • (IP) Address • Password <table border="1" data-bbox="751 734 1490 1794"> <tbody> <tr> <td data-bbox="751 734 1067 1059">Address</td> <td data-bbox="1070 734 1490 1059">Server connection information for the 7T License Server Manager. The server will for the most part be the IP address, but it is also possible to enter the server name or localhost.</td> </tr> <tr> <td data-bbox="751 1064 1067 1160">Port</td> <td data-bbox="1070 1064 1490 1160">Read-only entry field. Port 8018 is used.</td> </tr> <tr> <td data-bbox="751 1164 1067 1346">Customer</td> <td data-bbox="1070 1164 1490 1346">The name of the license holder. The user name is merely used to identify the user of the target machine.</td> </tr> <tr> <td data-bbox="751 1350 1067 1608">Type</td> <td data-bbox="1070 1350 1490 1608">Choose one of the following user types: <ul style="list-style-type: none"> • Master • Operator • Viewer </td> </tr> <tr> <td data-bbox="751 1612 1067 1794">Password</td> <td data-bbox="1070 1612 1490 1794">The protected password for the license holder. The password contributes to avoiding malicious access attempts to the server.</td> </tr> </tbody> </table> <p>This information is used</p> <ul style="list-style-type: none"> • to log on to the Operations application. • to access the License Server Manager application. 	Address	Server connection information for the 7T License Server Manager. The server will for the most part be the IP address, but it is also possible to enter the server name or localhost.	Port	Read-only entry field. Port 8018 is used.	Customer	The name of the license holder. The user name is merely used to identify the user of the target machine.	Type	Choose one of the following user types: <ul style="list-style-type: none"> • Master • Operator • Viewer 	Password	The protected password for the license holder. The password contributes to avoiding malicious access attempts to the server.
Address	Server connection information for the 7T License Server Manager. The server will for the most part be the IP address, but it is also possible to enter the server name or localhost.										
Port	Read-only entry field. Port 8018 is used.										
Customer	The name of the license holder. The user name is merely used to identify the user of the target machine.										
Type	Choose one of the following user types: <ul style="list-style-type: none"> • Master • Operator • Viewer 										
Password	The protected password for the license holder. The password contributes to avoiding malicious access attempts to the server.										

For details in regards to the access rights depending on the selected user level, see the Appendix section [User Levels](#).

Menu Setup Options

This topic explains how to navigate and use the setup options available from the right-click menus in the License Server Manager.

All the customer licenses are displayed in a list of license holders in a tree view under the License Server Manager dialog.

View details on the Menu bar

Menu	Description
File	Access this menu to connect to the appropriate server to where the License Server Manager is installed. For logon details see the topic ReadMe1st .
View	Access this menu to refresh the application.
Configuration	Database Location Select this menu to move the database file to the required folder.
	Set Connection Password This is an added security precaution for the License Server. The administrator of the License Server can decide to add this password to restrict the access to the server and avoid malicious access attempts.
Help	Access this online Help and view the version number information about License Server Manager.

View details on column headers

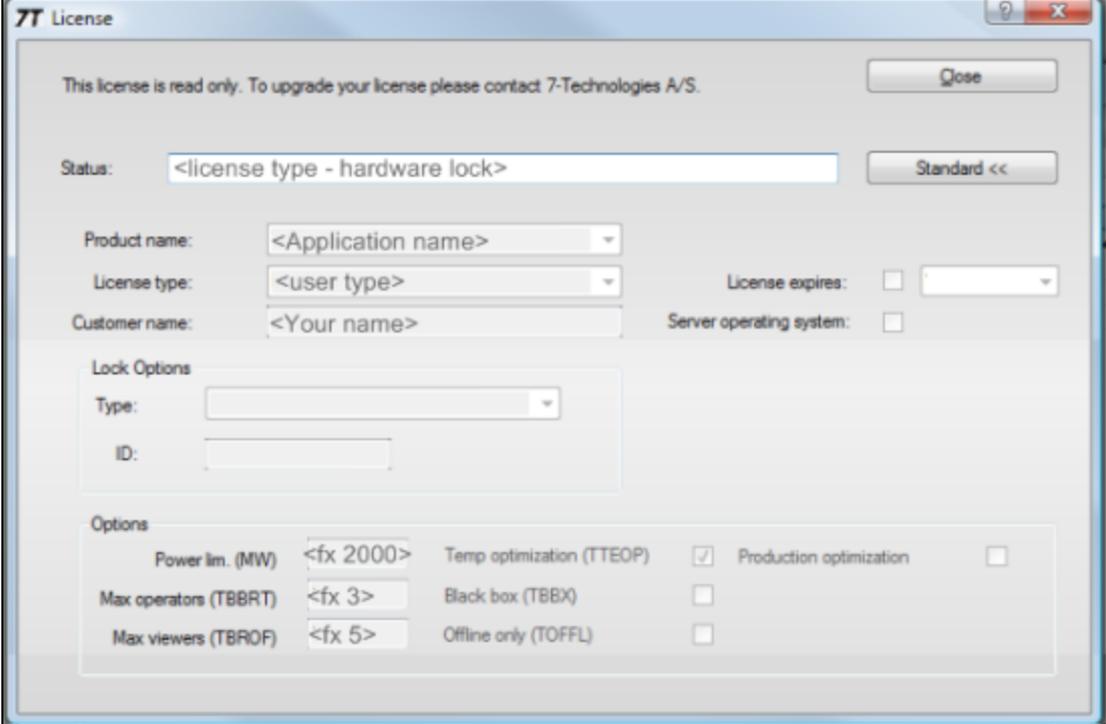
Column	Description
Licenses	This is the ID of the customer (license holder). The License Server Manager provides the license information in a tree view structure where the top level indicates the main license holder (often the company name) and any sub-folder indicates the local end user with the appropriate system user name.
Connected	States whether the license holder is currently connected to the server.
Last known	Provides the time stamp when the license holder was last active on the server.
Type	This is the specific user level that contains all the permissions and user rights as specified in the license file provided by 7-Tech-nologies. For details on user levels see User Access Rights, page 12 .
Limit	This states the limits for the use of the Operations applications as

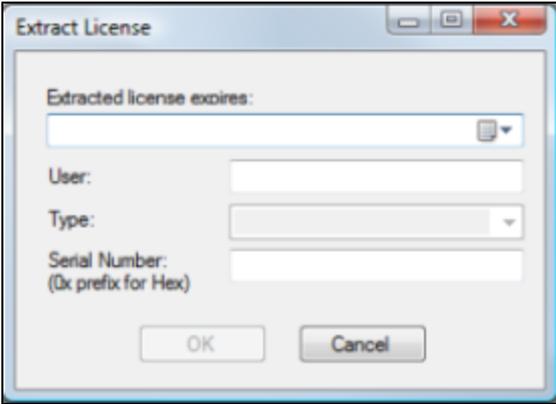
Column	Description
	specified in the license file provided by 7-Technologies.
Information	Additional information in regards to the handling of the license, such as extended licenses and expiration date for these.

Global right-click menu options

Right-click anywhere in the application (except directly on a license holder) to access the following options.

View global right-click menu

Menu	Description
License Details	<p>Select this menu to see the dialog with the entire set of license details as specified in the license file.</p>  <p>The screenshot shows a dialog box titled "7T License". At the top, it states "This license is read only. To upgrade your license please contact 7-Technologies A/S." with a "Close" button. Below this, the "Status" is "<license type - hardware lock>" with a "Standard <<" button. The "Product name" is "<Application name>", "License type" is "<user type>", and "Customer name" is "<Your name>". There are checkboxes for "License expires" and "Server operating system". Under "Lock Options", there is a "Type" dropdown and an "ID" field. The "Options" section includes: "Power lim. (MW)" set to "<fx 2000>", "Temp optimization (TTEOP)" checked, "Production optimization" unchecked, "Max operators (TBBRT)" set to "<fx 3>", "Black box (TBBX)" unchecked, and "Max viewers (TBROF)" set to "<fx 5>". "Offline only (TOFFL)" is also unchecked.</p>
Set Password	<p>The use of password is optional, but recommended as an additional security precaution for each user level to avoid malicious access attempts. If set, remember to include it in the list of information to provide to the user.</p> <p>You can set a password for each of the three license holder types</p> <ul style="list-style-type: none"> • Master • Operator • Viewer
Extract a License	<p>Provided that there is a sufficient number of licenses, it is possible at any time to use one of the existing licenses as a temporary license on any specified PC. These specified PCs are identified via the serial number of the C drive. The correct serial number will automatically be assigned if the license extraction is done using the License Server Manager on the PC where the license is installed and running.</p> <p>This type of license does not require a connection to the server to where the License Server is installed, but can be used offline as a standard license file.</p>

Menu	Description
	 <p>Extracted license expires</p> <p>State the time limit for the license. Once it expires it can be used for other users as explained in the preceding.</p> <p>User</p> <p>Enter the relevant user name.</p> <p>The user name must match the log on name used for the computer's operating system.</p> <p>Type</p> <p>Select the appropriate user level.</p> <p>Serial number</p> <p>Enter the serial number for the C drive on the target machine as a decimal number.</p>
Add License(s)	Use this menu to add the license file that holds all the information in regards to number of users, user level, etc.
Remove License(s)	Remove any expired licenses.

License specific right-click menu options

Point to a specific license and right-click to access the following options.

View the license specific right-click menus

Menu	Description
Disconnect	Disconnect the connection to the server.
Remove	Remove the local license file.
Send Message	Send a message to other license holders.

Appendix Section

Black Box Option

The black box option is used for customers buying a real-time optimizer as a PLC supplying set points to SCADA. The system does not allow the end user to inspect any results, except what is passed to SCADA.

The installation starts automatically after a hardware reset and runs in minimized mode. The system integrator can activate a full version for periods of 8 hours for configuration after which time the black box operation is automatically re-established.

The full version is activated via entering a key from a SI-program named Black Box Unlocker.

Right click the minimized operation icon to allow the user to enter the code.

The key is generated based on :

- End user hard lock ID.
- Absolute date and hour.

User Access Rights

This topic provides information on the logon access rights for the Operations application based on the specified user level in the license file.

A = Available

NA = Not Available

Function	User levels					
	Master	Operator	Viewer	Demo	Offline	Black box
View model, change theme	A	A	A	A	A	NA
Synchronize	NA	A	A	NA	NA	NA
Activate Master mode	A	NA	NA	NA	NA	NA
Activate Operator mode	A	A	NA	NA	NA	NA
Change geometry and boundary conditions	A	A	NA	NA	A	NA
Conduct offline simulation	A	A	NA	NA	A	NA
Conduct real-time simulation	A	A	NA	NA	NA	A
Options						
Conduct leak detection	A	A	NA	NA	A	A
Conduct surge simulation	A	A	NA	NA	A	A
Conduct production optimization	A	A	NA	NA	A	A
Conduct Temperature Optimization simulation	A	A	NA	NA	A	A