SIEMENS

Product Overview 1

Installation 2

Working with the Automation License Manager 3

SIMATIC

Automation License Manager V5.2

Manual

05/2012
A5E03975565-01

Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

⚠ DANGER

indicates that death or severe personal injury **will** result if proper precautions are not taken.

⚠ WARNING

indicates that death or severe personal injury **may** result if proper precautions are not taken.

⚠ CAUTION

with a safety alert symbol, indicates that minor personal injury can result if proper precautions are not taken.

CAUTION

without a safety alert symbol, indicates that property damage can result if proper precautions are not taken.

NOTICE

indicates that an unintended result or situation can occur if the relevant information is not taken into account.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

⚠ WARNING

Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

Trademarks

All names identified by ® are registered trademarks of Siemens AG. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

Siemens AG
Industry Sector
Postfach 48 48
90026 NÜRNBERG
GERMANY

A5E03975565-01
℗ 05/2012 Technical data subject to change

Copyright © Siemens AG 2012.
All rights reserved

Contents

1 Product Overview 5

1.1 Introduction to the Automation License Manager 5
1.2 Function Overview 6
1.3 Licenses in the Automation License Manager 7
1.4 Scope of Delivery 9
1.5 Support from "Support for License Management" 10

2 Installation 11

2.1 Installation Requirements 11
2.2 Installing the Automation License Manager 12
2.3 Uninstalling the Automation License Manager 13
2.4 Installing PlugIns 13
2.5 Upgrade of Licenses 14
2.6 Notes on Use of Older Software Versions 16
2.7 Notes on Optimizing Hard Disks 17

3 Working with the Automation License Manager 19

3.1 User Interface 19
3.1.1 User Interface of the Automation License Manager 19
3.1.2 Table Columns in the Object Area 21
3.1.3 Settings in the Automation License Manager 23
3.1.4 Feedback in Case of Delay in Program Execution 24
3.2 Status Icons in the Automation License Manager 25
3.2.1 Shortcuts 26
3.3 Views in the Automation License Manager 27
3.3.1 Default Views 27
3.3.2 Overview of the "Management", "Find", and "Log" Views 28
3.3.3 "Management" View 29
3.3.4 "Find" View 30
3.3.5 "Log" View 31
3.4 Handling License Keys 32
3.4.1 Installing License Keys 32
3.4.2 Displaying the Installed License Keys 32
3.4.3 Displaying the Installed Software 33
3.4.4 Transferring License Keys 34
3.4.5 Creating folders 36
3.4.6 Managing License Keys in Folders 37
3.4.7 Determining and Synchronizing License Requirements 39
3.4.8 Offline Transfer of License Keys 41
3.4.9 Performing an Offline Transfer - Generate Start Code 42
3.4.10 Offline Transfer - Generate Request Code 43
3.4.11 Performing an Offline Transfer - Generate Activation Code 45
3.4.12 Performing an Offline Transfer - Activate License Keys 47
3.4.13 License Profile Files for the Offline Transfer of License Keys 48

3.5 Web License Key Download 49
3.5.1 Web License Key Download 49
3.5.2 Web License Key Download - "Back" Button 50
3.5.3 Web License Key Download - "Cancel" Button 50
3.5.4 Web License Key Download - "Forward" Button 50
3.5.5 Web License Key Download - "Start Page" Button 50
3.6 Using License Keys in the Network 51
3.6.1 Searching for Existing License Keys in the Network 51
3.6.2 Connecting Computers over a Network 52
3.6.3 Failure of Computer Connections 53
3.7 Repair of License Keys 55
3.7.1 Checking License Keys 55
3.7.2 Recovering License Keys 55
3.7.3 Recovering License Keys Using the Wizard 56
3.7.4 Help from "Support for License Management" 56
3.8 Access Protection for the Automation License Manager 57
3.8.1 Access Protection via SIMATIC Logon Role Management 57
3.8.2 Calling and Activating SIMATIC Logon Role Management 59
3.8.3 Function Rights and Roles for the Automation License Manager 60
Glossary 61
Index 65

1 Product Overview

1.1 Introduction to the Automation License Manager

The Automation License Manager is a product of Siemens AG Industry Sector. It is used to manage license keys (the technical form of licenses).

Software products requiring license keys automatically report this requirement to the Automation License Manager. When the Automation License Manager finds a valid license key for this software, the software can be used in conformity with the end user license agreement.

Definition of Terms

The following table explains important terms used in context with the Automation License Manager.

Term	Description
Software	A product installed on hardware and used to process data.
Hardware	Computer (PC), device or module on which software runs.
License	A license provides the right to use products. This right takes the form of a • CoL (Certificate of License) and • License key.
CoL (**C**ertificate **o**f **L**icense)	The CoL is a proof of the license. The product may only be used by the owner of the license or an authorized person.
License key	The license key is the "technical form" of the license ("electronic license stamp").

Storage Locations for License Keys

You can store license keys on storage media such as license key data carriers, on removable drives (but not on CD, CDRW) or USB memory sticks.

License keys can be located locally on your own computer as well as on a network computer.

1.2 Function Overview

You can execute the following functions with the Automation License Manager:

Function	Description
Management of license keys	All functions required for managing license keys
Transferring license keys	Moving license keys between storage locations (for example computers, USB memory sticks, folders…)
Displaying license keys	Display detailed information of license keys (for example, validity, status, etc.)
Saving license keys	Storing license keys on a local or network computer.
Checking license keys	Determining the status of license keys (for example, OK, used, etc.)
Determining and displaying required license keys	Comparing existing and required license keys
Logging actions involving license keys	Logging license key-specific actions on a computer
Blocking of external accesses to license keys	Blocking of external accesses when SIMATIC Logon is not available
Access protection support for license keys	When SIMATIC Logon is available on a computer, the Automation License Manager can be used to activate access protection for license keys.

Note

To support access protection for license keys, certain requirements must be met. Refer to "Access Protection via SIMATIC Logon Role Management" for the requirements.

Calling the Online Help

The online help for the Automation License Manager provides you will all necessary information on the functionality and operation of license keys.

After starting the Automation License Manager, you can access the online help via the following:

- F1 button or
- Menu command **Help > Help on License Manager**.

1.3 Licenses in the Automation License Manager

The standard license types and license types listed below are available:

Standard License Types	Description
Single	Use of the software with this license is permitted on any one computer. The type of usage is defined by the certificate of license.
Floating	Use of the software with this license includes right of use for simultaneous usage. The software can be installed at multiple locations.
Master	Use of the software is unrestricted with this license.
Upgrade	Before an upgrade can be used, the system status may need to meet certain requirements: • Using an upgrade license, a license of an older version can be converted to a newer version. • An upgrade may become necessary, for example, when the configuration limits have to be expanded.

License Types	Description
Unlimited	Use of the software with this license is unlimited.
Count relevant	Use of the software with this license is limited to: • The number of tags named in the contract.
Countable Objects	The use of the software with this license is restricted to: • The number of objects named in the contract.
Rental	The use of the software with this license is restricted to: • The number of operating hours named in the contract. • The number of days from first use named in the contract. • The expiration date named in the contract. Note: You can see brief information on the time left on the rental license in the information area of the task bar.
Trial	The use of the software with this license is restricted to: • A validity period, for example, a maximum of 14 days. • A certain number of days from first usage • Use for tests and validation (disclaimer of warranty).
Demo	The use of the software with this license is restricted to: • The number of operating hours named in the contract. • The number of days from first use named in the contract. • The expiration date named in the contract. Note: You can see brief information on the time left on the demo license in the information area of the task bar.

Missing license keys

License keys that are required by software but are not available in a "valid" form on the network are known as missing license keys.

Note that not all computers connected to the network will be searched, but only those computers added to the "search list" in the Automation License Manager.

You set the computers to be searched in the network with the menu command **File > Settings > Favorites**.

1.4 Scope of Delivery

Installation Software

You can find the Automation License Manager on the installation medium of a software product requiring a license key (a CD-ROM, for example).

Components of the Automation License Manager

Component	Description	Must be installed	Can be installed
Automation License Manager	Contains the user interface for the Automation License Manager with all secondary services.	X	
Plug-in	Contains additional custom product features for the Automation License Manager.		X

Note

The Automation License Manager itself does not require a license key.

1.5 Support from "Support for License Management"

Below please find the language-specific Internet addresses to reach the "Support for License Management":

German	http://support.automation.siemens.com/WW/view/de/772175
English	http://support.automation.siemens.com/WW/view/en/772175
French	http://support.automation.siemens.com/WW/view/fr/772175
Spanish	http://support.automation.siemens.com/WW/view/es/772175
Italian	http://support.automation.siemens.com/WW/view/it/772175
Chinese	http://support.automation.siemens.com/WW/view/en/772175
Japanese	http://support.automation.siemens.com/WW/view/en/772175

The employees at "Technical Support" and "Support for License Management" speak German and English.

2 Installation

2.1 Installation Requirements

Hardware

For the hardware requirements for using the Automation License Manager, please refer to the readme file that ships with this version:

Note

You start the supplied readme file after installation of the Automation License Manager with **Start > Programs > Siemens Automation > Documentation > Readmes.** Now select the readme file in your preferred language and then the Automation License Manager.

Operating system

- The Automation License Manager is a Windows program. You will find the approved operating systems for this version of the Automation License Manager on the supplied readme file

Note

You start the supplied Readme file after installation of the Automation License Manager with **Start > Programs > Siemens Automation > Documentation > Readmes.** Now select the readme file in your preferred language and then the Automation License Manager.

- The software is compatible with all language versions of the supported operating systems.

Product-Specific PlugIns for Software Products and Components

Notice

The Automation License Manager requires product-specific PlugIns for managing the license keys of some software products and components. These PlugIns are always delivered with the project when required and installed with their own setup.

2.2 Installing the Automation License Manager

The Automation License Manager is installed via a setup program that guides you step by step through the installation process. You can find the installation software for the Automation License Manager on the product CD.

The software components included with the Automation License Manager are listed in "Scope of Delivery".

Preparatory Steps

Before you can start the installation, you must first start the operating system, see also "Installation Requirements".

- To install the Automation License Manager, connect the data carrier that holds the software with your programming device or PC.
- You do not require an external data storage medium if the software to be installed is already on the hard disk of the programming device or PC.

Note

Close all programs before starting the installation.

Starting the Installation Program

Procedure:

1. Double-click the "Setup.exe" file to start the setup program for the Automation License Manager.
2. Follow the instructions provided by the installation program.
3. The completion of the installation process is reported in the "Automation License Manager Setup" dialog. Click "Finish" to exit the setup program.

Notes

- The program guides you step by step through the entire installation process.
- During the installation, you are prompted to answer questions and make selections in dialog boxes. Choose the settings that are suitable for your requirements.
- You can return to the previous step or advance to the next step at any time.

2.3 Uninstalling the Automation License Manager

Procedure for Uninstalling the Automation License Manager:

1. Open the Control Panel by selecting **Start > Settings > Control Panel** on the Start menu of your computer:
2. Open "Software" in the detailed view.
3. In the list of installed software, select "Automation License Manager".
4. Click "Remove".
5. Click "Yes" to confirm the uninstallation.
6. Click "OK" once the programs have been successfully removed.

Result: the Automation License Manager has been uninstalled.

2.4 Installing PlugIns

Product-Specific PlugIns

Note

The Automation License Manager requires product-specific PlugIns for managing the license keys of some applications and components. These PlugIns are supplied with the product if they are not already available to you.

PlugIns are installed using a product-specific setup program. Follow the relevant instructions in the setup program.

2.5 Upgrade of Licenses

License Upgrades

To use a new or enhanced software version, you will have to upgrade an existing license key to a new license key.

Note

Note that you must store the "old" license key along with the upgrade itself on the hard disk of the computer where the upgrade is to be performed.

Note

Note that upgrade license keys cannot be installed during the setup program.

Requirements

To upgrade a license key or an "old authorization", you need:

- From the software version being upgraded
  - The CoL (Certificate of License) and the license key

    or
  - An "old authorization" on an authorization disk.
- From the target version
  - The CoL and the upgrade license key

    or
  - The upgrade authorization on an authorization disk
- The license keys or authorizations must be available on the local computer.
  - If the upgrade target is a license key, it can be available on the following storage locations: license key data carrier or authorization disk, drive or USB memory stick.

Note

For performance reasons, you should store both the "old" authorization and the "old" license key with the upgrade itself on a local drive of your computer.

  - If the upgrade target is an authorization: **only** on authorization disk.

Performing a License Upgrade

The upgrade license key must be available in the access area of the Automation License Managers. For this purpose you will have to connect the license key data carrier with your computer.

To upgrade a license key, proceed as follows:

1. Select the **View > Management** menu command.
2. In the navigation area, select the location of the license key for which the upgrade is to be performed.
3. In the object area, select the license key to be upgraded.
4. Select the **License Key > Upgrade** menu command.
   - If there is only one possibility for an upgrade, it is performed without further messages and prompts.
   - If there are several possibilities for upgrading, the "License Key Upgrade" dialog opens.
   - Select the upgrade to be performed and click on the "Upgrade" button.

Note

Note that authorizations are no longer supported on 64-bit operating systems.

2.6 Notes on Use of Older Software Versions

Software Products that can be activated with License Keys

Software products that can be activated for operation with **license keys** can also use newer license keys. The following applies to **these** products:

- "Newer" versions of license keys can always be used to operate different software versions.
- It is not necessary to downgrade a license key to use "older" versions.

Note

You can recognize a license key in the Automation License Manager in the "Management" view by its 20-digit license number.

Software products that can be activated with "old authorizations"

Authorization is required for software products that are activated with **authorizations**. These software products cannot be operated with a license key. License keys for later versions can only be used for software products that use a license key.

An upgrade of an "old authorization" is described in the online help for the Automation License Manager in "Upgrade of Licenses".

Note

You can recognize an authorization in the Automation License Manager in the "Management" view by its 10-digit license number.

2.7 Notes on Optimizing Hard Disks

Optimizing Hard Disks

When license keys are transferred, clusters are created on the drive (data carrier or hard disk) that are labeled as "bad" by some utilities.

Caution

Do not attempt to correct such "bad" clusters. Correcting them will destroy the license keys.

If you use an optimization program that is capable of moving fixed blocks, you should first transfer the license keys from the hard disk to a license key data carrier before using this option.

If a backup of your hard disk contains copies of license keys, there is the danger that restoring the disk from a backup will overwrite the currently valid license keys and destroy them. To avoid the risk of losing license keys in this way, it is strongly recommended to either remove all license keys before making the backup or to exclude them from the backup at the start.

Do not forget to remove the license keys before formatting, compressing or restoring your hard disk or installing a new operating system.



Notice

The files used to store the license keys can be destroyed by defragmentation programs that move fixed blocks. Recommendation: Always exclude the license keys from the procedure before using defragmentation programs.

Excluding License Keys from Procedures

You have the option to exclude certain license keys or authorizations from procedures:

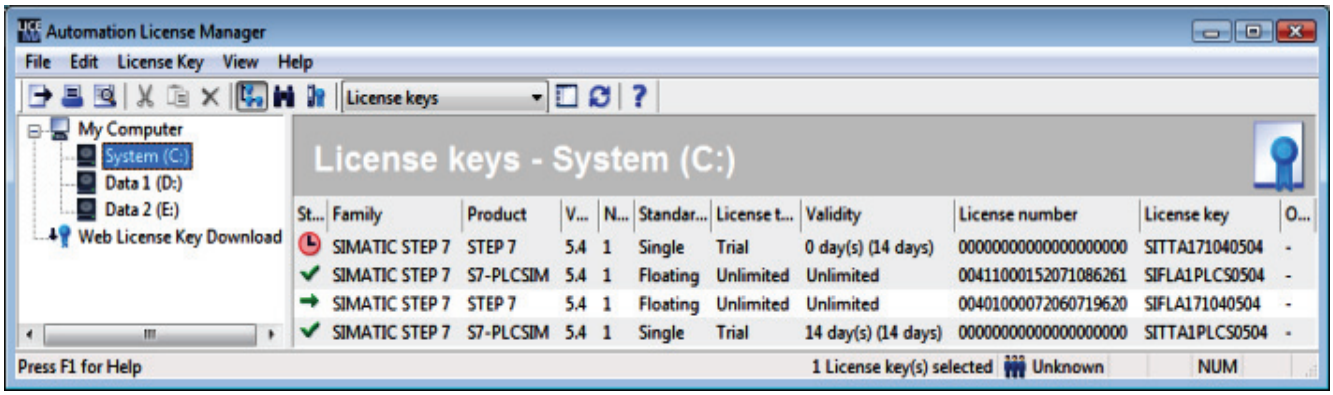
- By transferring all license keys to the corresponding license key data carrier.
- By transferring all authorizations to the corresponding authorization disk.

3 Working with the Automation License Manager

3.1 User Interface

3.1.1 User Interface of the Automation License Manager

The user interface of the Automation License Manager has the following structure:



1. **Title Bar:**
   Contains the window title "Automation License Manager" and the icons for controlling the window.
2. **Menu Bar**:
   Contains all menus that are available in the Automation License Manager.
3. **Toolbar**:
   Contains icons for fast execution of frequently used commands plus the currently selected view, here "License keys".
4. **Work Area**:
   Contains the navigation area on the left (shown in white above) and the associated object area on the right.
5. **Status Bar**:
   Located at the bottom edge of the application and contains seven fields for outputting status information.

The displayed information is dependent on the currently selected view and the objects selected in the navigation area.

Navigation Area

You can find the following objects in the navigation area on the left:

View	Objects in the Navigation Area
Management	Here you will see all the objects you can manage, such as My Computer, network computers, folders configured in the Automation License Manager, and license key folders.
Find	Here you can select the following search options: Search term, Product, Storage location, Standard license type, License type, Status, Used by
Log	Here you can select the corresponding computer as well as different filter criteria.

Object Area

Individual objects are displayed in the object area on the right according to:

- The view set in the Automation License Manager
- The object selected in the navigation area

The object area consists of:

Area	Description
Title	The title enables the user to see the contents of the current view at a glance. Large icons helpsto quickly identify the respective folder.
Data area	The data area shows all the elements within the folder selected in the navigation area.

Note

When there are no objects for display in the object area, a corresponding note is shown instead of objects.

3.1.2 Table Columns in the Object Area

When you open the Automation License Manager, you see the navigation area on the left and the associated object area on the right. According to the displayed object, you will see the corresponding information for:

- License Keys or
- Software.

The "License keys" view displays the license keys available on the selected drive along with the following related data in the object area on the right:

Column	Description
Status	Displays status information, such as OK, defective, used See Status Icons for License Keys
Family	Displays the respective family, e.g., "SIMATIC STEP 7"
Product	Displays the respective product, e.g., "STEP 7"
Version	Displays the version identifier of the software product, e.g., "5.4"
Number of license keys	Displays the number of available license keys
Order number	Optional
Standard license type	Indicates the standard type of the license, e.g. Single, Floating, Master or Upgrade
License type	The following licenses are available: • Without restrictions (Unlimited) • Count relevant (tag/s) • Countable Objects • Rental (Limited Hours, Limited Days, Expiration Date) • Trial (Limited Days) • Demo (Limited Hours, Limited Days, Expiration Date) • Power Pack
Validity period	The following options are available for validity: • "Without restrictions": unlimited • "Count relevant": number of tags • Countable Objects: counts application-specific objects. Booked counter reading is retained after the computer is restarted. • "Rental": remaining time + unit / date • "Trial": remaining time (total runtime) • "Demo": Remaining time + unit / date • "Master": as stipulated in the agreement • "Upgrade": as stipulated in the agreement • "Power Pack": as stipulated in the agreement
License number	Serial number of the software license (10-digit = authorization; 20-digit = license key)

Optional columns	
Manufacturer	For example, Siemens AG
Computer	Name of the computer where the license key is located
License key	Name of the license keys
Storage location	Respective storage location: My Computer (local) or network computer
Last used	Currently, no function
User	User of the license key
Computer used	Computer that is using the license key
HW serial number	Displays the hardware serial number
Quantity of software	Optional

3.1.3 Settings in the Automation License Manager

Make the following settings in the "Settings" dialog.

"Settings" Dialog

1. Select the menu command **File > Settings**.
   The "Settings" dialog opens.
2. Enter the desired settings.
3. Close the dialog with "OK".

Set what?	Make settings in:	Action:
Access protection	"General" tab	To support access protection for license keys, certain requirements must be met. Refer to "Access Protection via SIMATIC Logon Role Management" for the requirements.
Blocking of external accesses	"General" tab	If you want to prevent: • Network computers from using a license key, select the "Forbid remote use of license keys" check box. • License keys from being removed from the local computer, select the "Forbid license keys transfer from local computer" check box. • License keys from being added onto the local computer, select the "Forbid license keys transfer to local computer" check box. All fields can be combined. The check boxes are cleared when SIMATIC Logon is installed and the "Activate SIMATIC Logon access protection" check box has been selected. See also: "General" tab - Settings
Language	"General" tab	Select one of the available languages in the drop-down list box. See also: "General" tab - Settings
Search order	"Favorites" tab	The list of "Known computers" on the left side of the "Favorites" tab indicates the computers that have been connected to the local Automation License Manager at some point in the past. Note: The verification of license keys is performed only on computers included in the "Search list" tab on the right-hand side. The search order is from top to bottom. Select the computer you want to be searched first for floating license keys and move it to the top of the list. See also "Favorites" tab - Settings
Connection to other computers	"Connection" tab	Define the required connection settings in this tab. Remember that you will need to adapt your firewall settings to allow a connection to other computers. See also "Connection" tab - Settings
User-defined settings	"Reset" tab	In this tab, you can reset or delete the user-defined settings you have made. See also: "Reset" tab - Settings

3.1.4 Feedback in Case of Delay in Program Execution

When there is a delay in the program execution, the program provides you with feedback. The following rules apply here:

- The mouse pointer is displayed as an "hourglass" when there is a minor delay of up to 10 seconds.
- For longer delays of unknown duration, an animation indicates that the process is running.

Information on the Current Process

When the animation is displayed, a note is also displayed indicating the current processing step, for example, "Transferring license key...".

Canceling Processing

When cancellation of a function is permitted, you will see a "Cancel" button in the dialog.

3.2 Status Icons in the Automation License Manager

Meaning for License Keys

Note

Some icons are labeled **inactive** in the description column of the following table. License keys with these icons are not operational. This may be caused by an incomplete offline transfer in which the activation code was not received.

Icon	Description
	Status of license keys unknown
	License key "OK"
	License key in use when last queried
	License key is corrupt (recover with support from hotline)
	Inactive - status of license keys unknown
	Inactive - license key available but not activated
	Inactive - license key is corrupt (recover with support from hotline)
	Regular utilization time of a time-limited license key has expired
	Additional grace period for utilization of a time-limited license key
	Additional grace period for a time-limited license key that was being used at the time of the request.
	Regular utilization time and additional grace period of a time-limited license key has completely expired
	The supply of license keys has been exhausted; no other license keys are available.
	The license key cannot be transferred.

Meaning for Installed Software

Icon	Description
	Basic icon for software on the computer
	Software has a valid license key
	Software does not require license key
	Software is installed on the computer > License key is already utilized
	Software is installed on the computer > A valid license key is not present
	Software is installed on the computer > A license key is present but is defective

Meaning for the Status in the "Log" View

Icon	Description
	Designates information
	Designates a warning
	Designates an error

Meaning of the folder

Icon	Description
	Designates a folder in which computer connections can be stored.
	Designates a license key folder, in which license keys can be stored.

3.2.1 Shortcuts

MICROSOFT Standard

Shortcut	Purpose
F1	Calls up online help
F5	Updates active window
Ctrl + A	Selects all
Ctrl + P	Prints current object view
Ctrl + X	Cuts
Ctrl + V	Pastes
Alt + Space	Opens the system menu of the current window
Alt + F4	Closes active element or program

3.3 Views in the Automation License Manager

3.3.1 Default Views

The following default views are available in the Automation License Manager after installation:

Default View	Description
Search results	Displays the search options in the "Find" view on the left and, following a successful search, the associated search results on the right.
License keys	Displays all license keys that are available on the selected drive in the "Management" view.
Installed software	Shows the installed software products on the selected computer that require a license key. If a second number is displayed in parentheses in the "Version" column when you display the installed software, then the version of the license key shown in parentheses is used for the installed product version.
Missing license keys	Shows the installed software products that are missing a license key.
Licensed software	Displays the installed software products for which a license key is available on the selected computer.

Note

Default views can only be copied; they cannot be deleted or changed.

3.3.2 Overview of the "Management", "Find", and "Log" Views

You can access the different views in the Automation License Manager by selecting the **View > Management/Find/Log** menu command.

View	Description
Management	• Displays a structure with computers and folders • Enables execution of all tasks for license management
Find	• Displays a search dialog and the respective search results
Log	• Displays local and network computers • Displays information about the transfer of license keys. • Displays log entries

Working with Multiple Views

Presently, you can only work with one view at a time in the work area of the Automation License Manager (similar to Windows Explorer). However, the Automation License Manager can be started multiple times.

By opening several sessions of the Automation License Manager, you can move license keys within the application and between two windows.

Note

The Automation License Manager has a session log that saves user-specific settings automatically.

3.3.3 "Management" View

In the "Management" view, you can select and activate available views or define your own views. The Automation License Manager comes equipped with a few predefined default views for the management view.

Procedure:

1. Select the view using the **View > Management** menu command.
2. The currently selected view in the drop-down list box on the menu bar is used to display information in the object area.
3. Select the **View > Define** menu command.
   The "Define View" dialog opens. Here, you can access information using existing views or define a new view.

Define View

Button	Description
OK	The view selected in the "Available views" list is used to display information in the object area.
Apply	Views can be edited in the expanded "Edit view" area. Changes become active when you click "Apply".
Cancel	Close the "Define View" dialog without applying the changes.
New	Define a new view
Copy	Copy an existing view
Delete	Delete an existing view

"New", "Copy" and "Delete" Buttons

The "New", "Copy" and "Delete" buttons operate on the views displayed in the "Available views" list.

"Edit View" Area

The name of the view is shown in the "Name" field. This name appears in the view as the heading of the object area and in the drop-down list box on the toolbar.

You can use the radio buttons to preselect the filtered contents of a view that are to be displayed:

- License keys – only license key information is available for selection.
- Software - Only software information is available for selection.

You can define the content and layout of the views as follows in subsequent tabs:

- Columns,
- Filters,
- Groups and
- Sort.

3.3.4 "Find" View

You can search for information on license keys and installed software in the "Find" view in the Automation License Manager.

Procedure:

1. Select the view using the **View > Find** menu command.
2. Make the following settings in the "Find" area:
   - Enter a "search term" and/or "product" as necessary.
   - Select criteria in the "Storage location", "Standard license type", "License type", "Status", and "Used by" lists.
3. Click on the "Find now" button to begin the search.

Result: The search results are displayed in the object area.

Example: Find a License Key in the Network

1. Select the view using the **View > Find** menu command.
2. Make the following settings in the "Find" area:
   - Enter the term "STEP 7" in the "Search term" edit box, for example.
   - Select "All" in the "Storage location" list.
   - Click on the "Find now" button.

Result:

All license key are displayed that:

- Contain the term "STEP 7", and
- Are present on your own computer or a network computer

3.3.5 "Log" View

The "Log" view provides information on all operations that involve license keys (such as use of license key by software, transfer of license keys, etc.).

Opening a Log

1. Select the view using the **View > Log** menu command.
4. In the object area, select the location (My Computer, network computer) where you want to open a log.
2. Select the desired number of entries or select the time period for which logs are to be displayed.
5. Select the "System entries" check box if you want system entries to be displayed, too. System entries are additional entries which are relevant for customer support and the Automation License Manager system.
6. Select the "Filter" check box if you want to use a filter. Select the desired filter from the drop-down list box.
7. Click "Update".

Result: The log entries corresponding to the selected criteria are displayed.

Print Log

1. Open a log.
2. To print the log, select the **File > Print** menu command.
3. Correct in the settings if necessary and confirm the dialog with "OK".

Result: The displayed log entries are printed out.

Archive Log

1. Open a log.
2. To archive a log, select the **File > Export** menu command.
8. Enter the drive and storage path.

Result: The displayed log entries are stored in the specified path in CSV format.

Delete Log

1. To delete all entries in a log, select the **Edit > Delete Log** menu command.

Result: All log entries of the selected computer are deleted.

3.4 Handling License Keys

3.4.1 Installing License Keys

Installing License Keys during the Installation of the Software Product

Some software products allow you to install the required license key during the installation (setup) of the program itself. The license key is then installed on the computer where the software is installed.

Note

Note that upgrade license keys cannot be installed during the setup program.

3.4.2 Displaying the Installed License Keys

You can list all installed license keys using the **View > Management** menu command.

Procedure:

1. Select the view using the **View > Management** menu command.
2. In the navigation area, select the computer (My Computer or network computer) and the drive from which you want to see the installed license keys
3. Select the **View > Define** menu command.
   The "Define View" dialog opens.
4. Select the "License keys" view and click "OK".

Result: The installed license keys on the computer are displayed.

Note

When available license keys are not recognized by corresponding components, check the following columns:·

- Version
- Validity period
- Status (Select license keys, select **View > Update**, then **License Key > Check**)

Printing or Exporting a List

A list can be:

- Printed by selecting the **File > Print** menu command, or
- Exported to a CSV file with the menu command **File > Export**

3.4.3 Displaying the Installed Software

You can list all installed software products that require a license key for operation by selecting the **View > Management** menu command.

Procedure:

1. Select the view using the **View > Management** menu command.
2. Select the **View > Define** menu command.
   The "Define View" dialog opens.
3. Select the "Installed Software" view and click "OK".

Result: The Siemens AG software products installed on the computer that support the new license concept (using license keys) are displayed.

Note

If a second value is indicated in parentheses in the "Version" column when displaying the installed software, then the version of the license key shown in parentheses is used for the installed version.

Printing or Exporting a List

A list can be:

- Printed by selecting the **File > Print** menu command, or
- Exported to a CSV file with the menu command **File > Export**

3.4.4 Transferring License Keys

The following options are available for transferring license keys between various storage locations (for example, computers, USB memory sticks and license key folders):

1. Using a drag-and-drop operation
2. Using a cut-and-paste operation
3. Using the **License Key > Transfer** menu command.
4. Using the **License Key > Offline Transfer** menu command, you can transfer the start code, request code, and activation code manually (see "License Key Offline Transfer" Dialog**).**

Transferring License Keys Using Drag-and-Drop

1. Select the view using the **View > Management** menu command.
2. Open the storage location on the local or network computer where you wish to remove the license keys.
3. Select the license keys and drag them to the storage location where you wish to place the license keys.

Result: The license keys are now transferred.

Transferring License Keys by Cutting and Pasting

1. Select the view using the **View > Management** menu command.
2. Open the storage location on the local or network computer where you wish to remove the license keys.
3. Select the license keys you want to transfer.
4. Select the menu command **Edit > Cut**.
5. Open the storage location on your own computer or network computer where you want to place the license keys.
6. Select the **Edit > Paste** menu command.

Result: The license keys are now transferred.

Transferring License Keys Using the License Key > Transfer Menu Command:

1. First, select the license keys you want to transfer to another storage location.
2. Select the **License Key > Transfer** menu command to open the "Transfer License Keys" dialog.
3. Select the desired destination drive in the drop-down list box or click "Network..." if the destination drive is on another network computer.
   The "Connect Computer" dialog opens.
4. Enter the computer name or select the desired computer in the drop-down list box, or
   - Click "Browse" to open the "Search for a Computer" dialog.
   - Click "Entire Network", and then click "Microsoft Windows Network".
   - If the computer is located in a domain, select this domain.
   - Then, select the desired computer and click "OK" to confirm your selection. Note that the Automation License Manager must also be installed on the selected computer.
5. Click "OK" to confirm your selection and close the dialogs.

3.4.5 Creating folders

To store existing computer connections and license keys in a structured manner, you can create folders. Computer connections are stored in general folders. Special license key folders are required to store license keys and these folders are designated by an additional icon.

Dependencies for creating new folders:

The new folder may be a general folder or a license key folder, depending on where it is created.

Icon	Description
	Indicates a folder in which computer connections can be stored. To create such a folder, before creating the folder in the navigation area, alternatively select: • My desktop
	Indicates a license key folder, in which license keys can be stored. To create such a folder, before creating the folder in the navigation area select: • Local data carrier • Already existing license key folder

Procedure:

1. Select the "Manage" view.
2. In the drop-down list within the menu bar, select the "License Keys" view.
3. Selected the required object in the navigation area, as described in the above table.
4. To create a general folder, select "My desktop".
5. To create a license key folder, select a "Local data carrier" folder or an already existing license key folder.
6. Using the shortcut menu or the menu, select the command "Edit > New Folder".
7. Enter the desired name for the new folder in the following "Add a new folder" dialog.
8. Click "OK" to confirm.

Result: The new folder with the name you assigned is displayed in the navigation area.

3.4.6 Managing License Keys in Folders

Storing and managing license keys in folders

As of Version V5.2 of the Automation License Manager, special license key folders can be created for managing license keys.

The folders in the Automation License Manager are designated by the following icons:

Icon	Description
	Designates a folder in which computer connections can be stored.
	Designates a license key folder in which license keys can be stored.

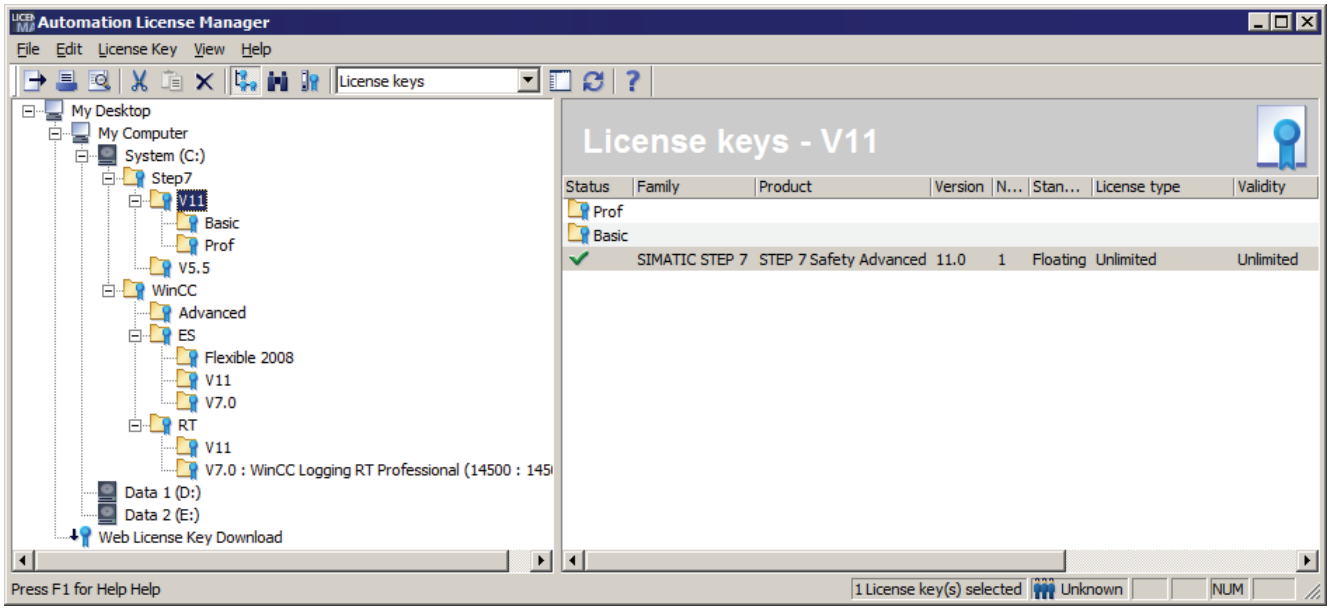
Actions with license key folders

License key folders can be moved as usual via drag-and-drop operation, cut, pasted and renamed.

Empty license key folder can also be deleted; this operation is no longer possible when the folder contains any license key.

Storing license keys in license key folders

The creation of license key folder allows you to store license keys in a hierarchically structured product and version specific manner. This provides you with a better overview of the existing license keys, as the following example shows:

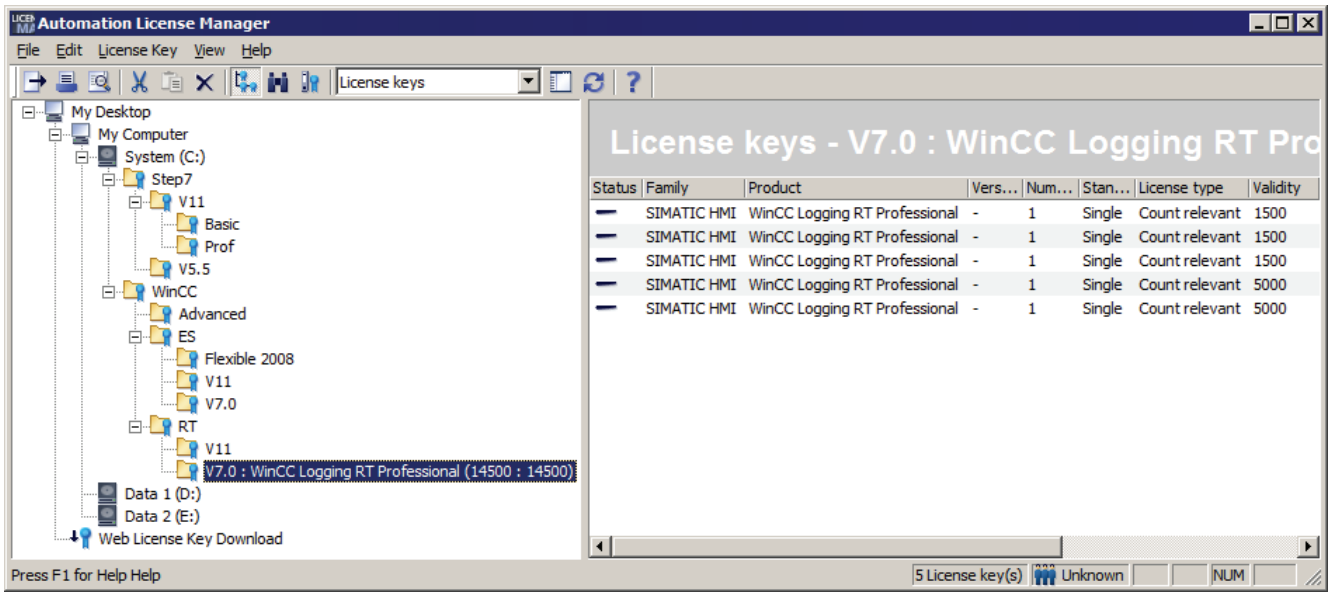


You can also save License Keys without a folder structure, as shown in the figure above. If however, there is a license key folder available, it is showed first and then the individual license keys after it.

Displaying the validity of licenses

An additional advantage of the license key folder is that, in the case of license keys of the type "Count relevant" or "Countable Objects", the total number of available "tags" (variables or application specific objects) is displayed in brackets after the folder name. As the following example shows, the opened folder contains several license keys with differing validity, which are displayed as sum in brackets after the folder name.

The first number indicates how many "tags" are still available, the second number after the colon indicates the total number of available "tags".



Note

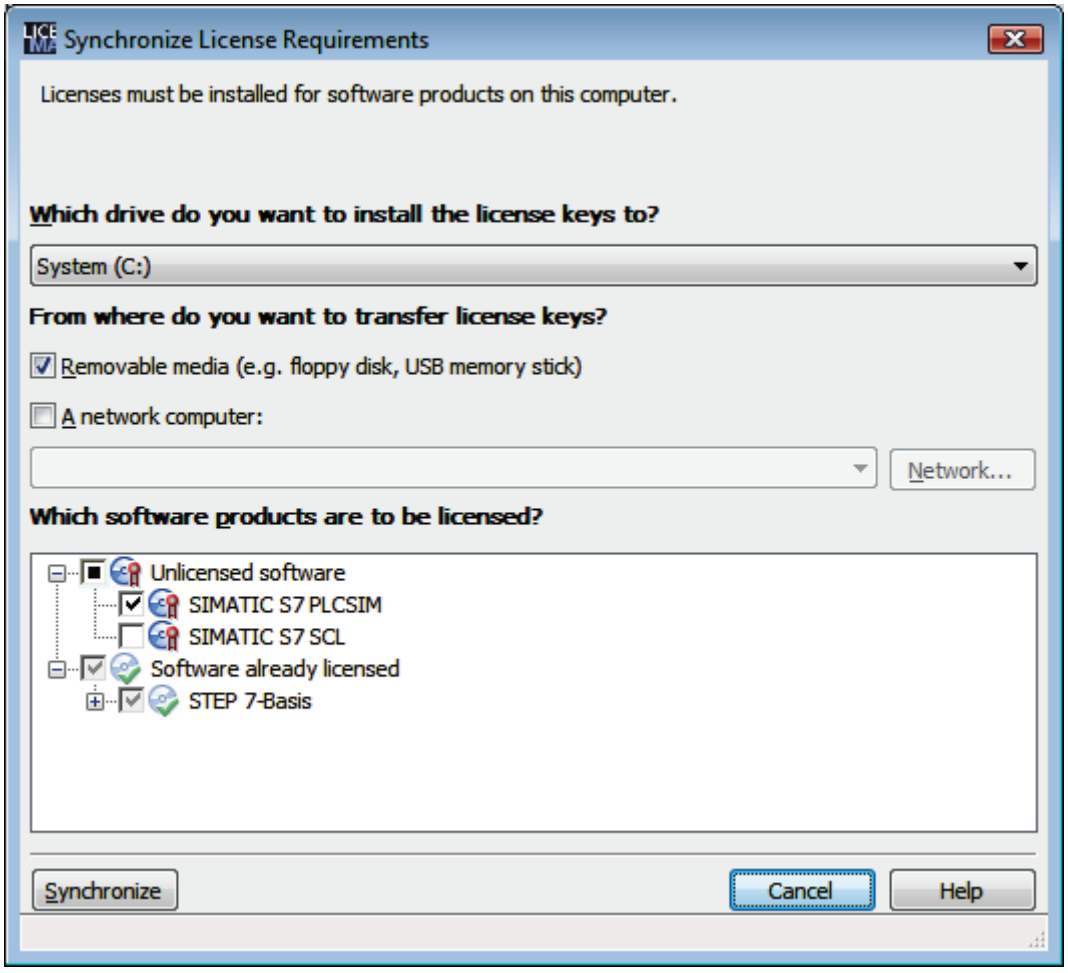
Please note that it is not possible to delete license key folders when these contain license keys. License key folders can only be deleted when they are empty.

3.4.7 Determining and Synchronizing License Requirements

You can use the dialog box below to license software products on your own computer that do not yet have license keys, provided that license keys are still available.

Procedure:

1. Select one of the predefined views "Installed Software", "Missing License Keys", or "Licensed Software" using the **View > Define** menu command.
2. Select the License Key > Synchronize License Requirements menu command.
   - Select the drive where the license keys are to be installed in the drop-down list box.
   - Select the option for the source of the license keys to be transferred. You can use the "Network" button to navigate to any computer in the network.
   - The "Which software products do you want to license?" field displays the software products on your computer that lack a valid license.
     Already licensed software is listed but cannot be selected. Click the "+" to see which licenses are available for the respective software.



3. Here, you select which of the displayed software products is to be licensed and click "OK". The "OK" button does not become active until you have selected a software package to be licensed.
4. If the selected software package could not be licensed because, for example, the specified source computer does not contain a valid license key, you will receive a message and the dialog will appear again.

3.4.8 Offline Transfer of License Keys

The **License Key > Offline Transfer** menu command opens the "License Key Offline Transfer" dialog.

Note

To perform an offline transfer of license keys, both the Automation License Manager as well as the software using the license key must be installed on both computers (source and target).

Select the offline transfer step you want to perform and click "Next".

You have the following options:

- Generate start code
- Generate request code
- Generate activation code
- Activate license keys

The wizard for the offline transfer guides you step by step through the transfer.

3.4.9 Performing an Offline Transfer - Generate Start Code

You perform this step on the source computer where a license key for the software exists.

"Wizard for Sending License Keys" Dialog

- Select license key
- Generate start code

Procedure:

1. Select the drive where the required license key is located in the navigation area.
2. Select the **License Key > Offline Transfer** menu command.
   The "License Keys Offline Transfer" dialog opens.
3. Select the "Generate start code" option and click "Next". The "Wizard for Sending License Keys" dialog opens.
   The list contains the start codes for all available license keys.
4. Select the license keys that are to be transferred in the table.
5. Click "Save". Select the path and the license profile file in which the start codes should be saved and click "Save".
6. Click "Next".
7. Transfer the start codes to the target computer. For example:
   - The license profile file via e-mail
   - The start codes via phone
   - A printout via fax
8. If you want to close the dialog and enter the request codes later, click "Abort".

Select in the List	Using
One license key	Click
All license keys	Ctrl + A
Contiguous group	Click "First"; Shift + click "Last"
Several separate	Ctrl + click

3.4.10 Offline Transfer - Generate Request Code

You perform this step on the target computer where the license keys for a software are to be transferred.

Dialog "Wizard for Receiving License Keys"

- Enter start code
- Generate request code

Note

To perform an offline transfer of license keys, both the Automation License Manager as well as the software using the license key must be installed on both computers (source and target).

Procedure:

1. Select the **License Key > Offline Transfer** menu command.
   The "License Keys Offline Transfer" dialog opens.
2. Select the "Generate request code" option and click "Next".
   The "Wizard for Receiving License Keys" dialog opens with a "Enter start codes" list.
3. Select the following steps that correspond to the form of data transfer:

Form of the Data Transfer	Step
Data in electronic form (for example per diskette or e-mail)	1. Click "Load". 2nd In the "Open" dialog, select the path and file name of the license profile file containing the start code 3. Click "Open". The data are entered into the "Enter start codes" list.
Data, e.g., in the form of a printout, via FAX or via telephone (data must be manually entered by the operator)	1st Double-click the first row of the "Start code" column in the table in the dialog box. 2nd Enter the start codes in the "Start code" column.

4. Click "Next".
   The "Wizard for Receiving License Keys" dialog opens with a "Select license keys" list.

5. Select the license keys to be transferred to a drive on the local computer.

Select in the List	**Using**
One license key	Click
All license keys	Ctrl + A
Contiguous group	Click "First"; Shift + click "Last"
Several separate	Ctrl + click

6. In the "Which drive do you want to install the license keys to?" list, select the drive on the local computer.
7. Click "Next".
   The "Wizard for Receiving License Keys" dialog opens with a "Display request codes" list.
8. Click "Save". Select the path and the license profile file in which the request codes should be saved and click "Save".
9. Click "Next". The "Wizard for Receiving License Keys" dialog opens with an "Activation codes" list.
10. Transfer the request codes to the source computer. For example:
    - The license profile file via e-mail
    - The request codes via phone
    - A printout via fax
11. If you want to close the dialog and enter the activation codes later, click "Abort".

3.4.11 Performing an Offline Transfer - Generate Activation Code

You perform this step on the source computer where a license key for the software exists.

Dialog "Wizard for Sending License Keys"

- Enter request code
- Remove license key
- Generate activation code

Procedure:

1. Select the **License Key > Offline Transfer** menu command.
   The "License Keys Offline Transfer" dialog opens.
2. Select the "Generate activation code" option and click "Next". The "Wizard for Sending License Keys" dialog opens with an "Enter request codes" list.
3. Select the following steps that correspond to the form of data transfer:

Form of the Data Transfer	Step
Data in electronic form (for example, per diskette or e-mail)	1. Click "Load" 2nd In the "Open" dialog, select the path and file name of the of the license profile file containing these request codes. 3. Click "Open". The data are entered into the "Enter request code" list.
Data, e.g., in the form of a printout, via FAX or via telephone (data must be manually entered by the operator)	1. Click "Load". 2nd In the "Open" dialog, select the path and file name of the license profile file containing the start code. 3rd Double-click the corresponding row of the "Request code" column in the table of the dialog box. 4th Enter the request codes in the "Enter request code" list.

4. Click "Next". The "Remove License Keys" list opens.
5. Click "Save". Select the path and the license profile file in which the activation codes should be saved and click "Save".
6. Click "Next".
   The "Calculate Activation Codes: Confirm" dialog opens.
7. Confirm the dialog with "Yes".
   The license keys displayed in the "Remove License Keys" list in the "Wizard for Sending License Keys" dialog are removed and the "Display Activation Codes" dialog opens.

8. Transfer the activation codes to the target computer. For example:
   - The license profile file via e-mail
   - The activation codes via phone
   - A printout via fax
9. Click "Finish" to close the dialog.

3.4.12 Performing an Offline Transfer - Activate License Keys

You perform this step on the target computer where the license key for a software is to be transferred.

Dialog "Wizard for Receiving License Keys"

- Enter activation code
- Activation license key

Procedure:

1. Select the **License Key > Offline Transfer** menu command.The "License Keys Offline Transfer" dialog opens.
2. Select the "Activation License Keys" option and click "Next". The "Wizard for Receiving License Keys" dialog opens with an "Enter activation codes" list.
3. Select the following steps that correspond to the form of data transfer:

Form of the Data Transfer	Step
Data in electronic form (for example, per diskette or e-mail)	1. Click "Load". 2nd In the "Open" dialog, select the path and file name of the of the license profile file containing these activation code. 3. Click "Open". The data are entered into the "Enter activation code" list.
Data, e.g., in the form of a printout, via FAX or via telephone (data must be manually entered by the operator)	1. Click "Load". 2nd In the "Open" dialog, select the path and file name of the of the license profile file containing these request codes. 3rd Double-click the corresponding row of the "Activation code" column in the table of the dialog box. 4th Enter the activation codes in the "Enter activation code" list.

4. Click "Next".
5. Click "Finish" to close the dialog.

Result:

The activated license key is displayed in the "Result" list of the "Wizard for Receiving License Keys" dialog.

The license key is transferred from the source computer to the target computer.

Error Message

When an error occurs during transfer, the "Wizard for Receiving License Keys" dialog opens with an "Incorrect activation codes" list. When this happens, contact "Support for License Management".

3.4.13 License Profile Files for the Offline Transfer of License Keys

A license profile file is used to exchange information for the (offline) transfer of license keys. The (offline) transfer is performed in 5 steps. Different data are included in the license profile file for each step of the process.

Transfer of Data

A license profile file can be provided in electronic form (for example, per diskette or e-mail).

Validity of a License Profile File

Note

License profile files are only valid for one-time transfer of a group of license keys. Generation can only be repeated with new files.

The following data are saved in a license profile file for offline license transfer:

- Product name - name of the component
- License number - specific number for the license key transfer
- Start code
- Request code
- Activation code

3.5 Web License Key Download

3.5.1 Web License Key Download

The software download enables you to access ordered license keys.

Requirement

For access, you need:

- A personalized logon that you can use to retrieve all license keys assigned to "your company".
- An anonymous logon that you can use to retrieve an individual license key, and the CoL (Certificate of License). This document contains all data required for the anonymous download.

Procedure:

If your computer is located in a stand-alone network or a network with a low security level, we recommend the following procedure:

1. Also install the Automation License Manager on a computer with Internet access that is located outside of the automation system.
2. Perform the Web License Key Download (see following section).
3. Transfer the license keys to a license key diskette and then from the license key diskette to the computers of the automation system.

Notice

Always verify that the transfer media are virus-free.

Web License Key Download

1. Select the **Management** view.
2. Click "Web License Key Download" in the navigation area.
   If the computer has Internet access, the Automation Download Manage opens the window in the object area.
3. Follow the instructions in the download window for downloading a license key.

Notice

- If you receive an error message that the software download server is unavailable, check your firewall settings and contact your system administrator, if necessary.
- If you receive an error message that the software download server is not ready for operation at the moment, make another attempt after a while.

3.5.2 Web License Key Download - "Back" Button

Use the "Back" button to return to the previously displayed page.

- Click the "Forward" button if you want to display a page that you visited before clicking the "Back" button.

3.5.3 Web License Key Download - "Cancel" Button

Use the "Cancel" button to stop downloading the current page.

3.5.4 Web License Key Download - "Forward" Button

Use the "Forward" button to return to the previously displayed page.

Note

The "Forward" button is available for selection only after you have clicked the "Back" button.

3.5.5 Web License Key Download - "Start Page" Button

The "Start Page" button sends you to the start page of the "Web License Key Download".

3.6 Using License Keys in the Network

3.6.1 Searching for Existing License Keys in the Network

Using Software with an Available License Key in the Network

An available **floating license key** (on a network computer) enables operation of a protected software product when a license key is not locally available.

Note

To search for license keys on a network computer, the network computer must be entered in the Automation License Manager on the local computer.

Recommendation for Faster Access to Floating License Keys

Install all floating license keys in a system on as few computers as possible.

Note

In the menu **File > Settings > "Favorites" tab** you will see the computers that have been connected to the local Automation License Manager at some point in the past under "Known computers".

You can influence access to floating license keys as follows:

1. Make sure that the computers where the floating license keys are located are entered in the "Search list". To do so, select the **Edit > Connect Computer** menu command.
2. Move the computers where the floating license keys are located to the top positions in the "Search list" in the "Settings" dialog, and delete unnecessary entries.

Button	Icon	Description
Move up		Click the "Move up" icon to change the order that the computer selected in the list will be searched for a floating license key. Shifts the computer to the next higher position (in the view, the top position corresponds to the first computer, etc.).
Move down		Click the "Move down" icon to change the order that the computer selected in the list will be searched for a floating license key. Shifts the computer to the next lower position (in the view, the top position corresponds to the first computer, etc.).
Delete		Click the "Delete" icon to delete the computer selected in the list from the search for a floating license key.

3.6.2 Connecting Computers over a Network

The **Edit > Connect Computer** menu command opens the "Connect Computer" dialog. Here, you can establish a connection to a network computer and enable the computer for management of license keys.

Note

Only computers that have the Automation License Manager installed can be connected.

Procedure:

1. Select the "Management" view.
2. If the computer connection is to be stored in a folder, create a new folder beforehand.
3. Select the **Edit > Connect Computer** menu command.
4. Under "Computer Name", enter the name of a computer on the network or select one from the drop-down list box. The following can be used for the computer name: "ComputerName", or "ComputerName.Domain" and "IP address".
5. To search for a computer in the network, click "Browse".
6. Double-click "Entire network".
7. Double-click "Microsoft Windows Network".
8. If the computer is located in a domain, select this domain.
9. Select the computer and click "OK" to confirm.
10. Under "Display name", you can enter any "display name" for the computer (default = computer name:port number).
11. Select the "Always display in navigation window" check box if the entered computer is to be available after a restart of the Automation License Manager.
12. Select the "Add to search list" check box if the entered computer is to be incorporated in the list of computers to be searched for license keys. The network computer is displayed in the "Favorites" tab of the "Settings" dialog (select **File > Settings** menu command).
13. Click "OK" to confirm.

Result: The computer has been added in the navigation area or the "Error connecting computer" dialog opens. If the latter occurs, verify that the entered computer is available on the network.

3.6.3 Failure of Computer Connections

Computers operating over a network connection can use only floating license keys. This section describes the response of floating license keys when the connection between network computers fails.

License Key Server

A license key server is a computer on which a floating license key is stored.

License Key Client

A license key client is a computer which uses a floating license key from a server.

Connection Failure Scenarios

When a floating license key on a license key server is used by a software product on a license key client and the connection between the two computer fails, it may be due to the following:

- The software product has crashed.
- The network connection has been interrupted.
- The license key client has crashed.
- The license key server has crashed.

Software Product Has Crashed

The Automation License Manager on the license key client monitors usage of the license keys by the software product. If the client crashes, the Automation License Manager immediately releases the relevant license keys on the license key server.

Network Connection Has Been Interrupted

Following a failure of the network connection to the license key server, the software product on the license key client can continue to be used for up to 3 hours.

The floating license keys on the license key server remains "used" for a maximum of 3 hours.

The license key is no longer found when the software is restarted and therefore cannot be reassigned.

Scenarios:

- If the interruption lasts less than 3 hours, then:
  - The Automation License Manager on the license key server detects both the license key client (the computer that used the license keys) and the "used" license keys.
  - It then allocates the still valid "used, previous" license keys to the detected license key client.
- If the interruption lasts more than 3 hours, then:
  - The license keys on the license key server are released.
  - License key clients are operated the same for an initial contact.
  - After 3 hours, the previously connected license key client automatically attempts to find a valid license key. When no license key is available, the application-specific reaction to unavailable license keys is started (for example, notification after a defined period).

License Key Client Has Crashed

- If the interruption last less than 3 hours, the license key client detects that the connection to the server is established and automatically requests the "used" license key once again.
- The license key on the license key server is released if the interruption lasts longer than 3 hours.

License Key Server Has Crashed

- If the interruption last less than 3 hours, the license key client detects that the connection to the server is established and automatically requests the "used" license keys once again.
- If the interruption last more than 3 hours, the license key client automatically attempts to find a valid license key. When no license key is available, the application-specific reaction to unavailable license keys is started (for example, notification after a defined period).

3.7 Repair of License Keys

3.7.1 Checking License Keys

Procedure for Checking License Keys:

1. Select the view using the **View > Management** menu command.
2. In the object area, select the storage locations (My Computer, network computer, license key folder) where the license key that is to be checked is stored.
3. Select the license key to be checked.
4. Select the **License Key > Check** menu command.

Result: The selected license key is checked, and the result is displayed using a status icon for license keys.

3.7.2 Recovering License Keys

The **License Key > Recover** menu command calls the dialog for restoring license keys.

Procedure:

1. Select the license key to be restored and select the **License Key > Recover** menu command.
2. Connect to "Support for License Management" and provide the data indicated in the dialog box:
   - Product name
   - License key number
   - License number
   - Request code
3. Enter the supplied activation code and click "OK".

Result: The defective license key has been recovered and is now available for use.

Note

Authorizations can only be repaired on diskettes and license keys can only be recovered on hard disks.

3.7.3 Recovering License Keys Using the Wizard

The **License Key > Recover Wizard** menu command opens the "Wizard for Restoring License Key(s)" dialog.

You can use the "Recover Wizard" to repair one or more license keys that are no longer available due to loss or a defect on the hard drive. Help from "Support for License Management" is required to restore the license key(s).

The wizard guides you step by step through the entire process. The following dialogs are called:

- Recover Wizard: Select License Key
- Recover Wizard: Enter Repair Codes
- Recover Wizard: Result

3.7.4 Help from "Support for License Management"

Below please find the language-specific Internet addresses to reach the "Support for License Management":

German	http://support.automation.siemens.com/WW/view/de/772175
English	http://support.automation.siemens.com/WW/view/en/772175
French	http://support.automation.siemens.com/WW/view/fr/772175
Spanish	http://support.automation.siemens.com/WW/view/es/772175
Italian	http://support.automation.siemens.com/WW/view/it/772175
Chinese	http://support.automation.siemens.com/CN/view/zh/772175
Japanese	http://support.automation.siemens.com/WW/view/en/772175

The employees at "Technical Support" and "Support for License Management" speak German and English.

3.8 Access Protection for the Automation License Manager

3.8.1 Access Protection via SIMATIC Logon Role Management

Role Management with SIMATIC Logon

The role management of the SIMATIC Logon optional package can be used to regulate access by users and user groups to functions of the Automation License Manager. This access protection applies to individual functions and not to the application as a whole.

- The access protection forces users to log onto the system in order to use the Automation License Manager and its functions.
- The role management is based on the users and user groups of the operating system.
- The assignment of specific tasks to roles (see table) enables easy configuration of rights for users and user groups.
- If SIMATIC Logon is installed and access protection is activated, the applications check directly to determine if the logged-on person has the right to use certain functions. To prevent duplicate administration and checking of these persons, the right to assign license keys is granted to all persons.

Requirement

To apply the role management and activate the access protection, the following requirements must be met:

- The users and user groups must be set up in Windows.
- The SIMATIC Logon optional package must be installed.
- The "Logon_Administrator" user group must have been set up (see online help for SIMATIC Logon).

The user currently logged onto the computer must have the right "Activate/deactivate access protection" (**File > Settings**).

Principal Terms

Term	Description
Rights	• Rights are defined by the SIMATIC Logon role management. • Rights cannot be added or deleted.
Users / user groups	Users and user groups are defined in user accounts on the computer.
Access protection	Access protection grants certain users and user groups the right to perform certain operations. Roles are used to facilitate management.
Roles	A role includes the authorization for user groups/users to perform certain actions within the Automation License Manager (for example, transfer data). • Users and user groups can be assigned one or more roles. Users can have all rights defined for these roles. • Basic default roles are supplied with the SIMATIC Logon role management. • Custom roles can be added or deleted as desired. • Rights can be added or deleted to roles.

3.8.2 Calling and Activating SIMATIC Logon Role Management

Procedure:

1. Select the **File > Role Management** menu command to open the role management.
   The "SIMATIC Logon AdminTool" dialog opens.
2. Assign at least one user the role of administrator.
3. Save your changes and close the "SIMATIC Logon Role Management" dialog.

Note

You can find instructions for working in the "SIMATIC Logon Role Management" dialog in the online help for SIMATIC Logon in " "SIMATIC Logon Role Management" Dialog.

---

4. Select the **File > Change Logon** menu command to open the "SIMATIC Logon Service" dialog, and log on with a user name having at least administrator rights.
5. Select the **File > Settings** menu command.
   The "Settings" dialog opens.
6. Select the "Activate SIMATIC Logon access protection" check box.

Note

- If the "Activate SIMATIC Logon access protection" check box is cleared, all users can make changes in the role management.
- If the "Activate SIMATIC Logon access protection" check box is selected, only users with the "Activate/deactivate access protection" right can make changes in the role management.

---

7. Click "OK" to apply the settings.

3.8.3 Function Rights and Roles for the Automation License Manager

The following function rights and roles are specified:

Function	**Roles**			
	Licensor	Administrator	Main user	User
Transfer license keys	X	X	X	
Check license keys	X	X	X	X
Recover license keys	X			
Upgrade license keys	X	X	X	
Display license keys	X	X	X	X
Read log	X	X	X	
Delete log	X	X		
Activate/deactivate access protection	X	X		
Change projects	X	X		

Note

The "Change projects" right means that you can assign roles and function rights for access to the Automation License Manager.

Glossary

Assignable License Key

License key that can only be used on hardware with a specified serial number. The licenses associated with the license key are assigned to the hardware.

Assigned License Key

A license key is assigned to a system for it operation.

Certificate of License (CoL)

Proof of license; legally identifies the license owner. Contains the license number for unique identification of the license.

Count relevant License

Use of the software with this license is limited to the number of tags stipulated in the agreement.

Countable Objects License

The use of the software with this license is limited to the number application-specific objects named in the contract.

"Define" View

Defines the content and layout of the "Management" view.

Demo License

Use of the software with this license is limited to the use conditions stipulated in the agreement.

Tooltips on the time remaining for the demo license are displayed in the information area of the taskbar.

Embedded (Runtime) System

A non-Windows system that is running the runtime software; typically features special hardware.

Engineering Software

Software that is used to create, test and commission automation solutions.

Floating License

Right to use software simultaneously on multiple computers for an unlimited period. The software can be installed at multiple locations.

Installed Software

Software that is installed on a computer.

License

Right of the license owner to use software in conformity with the License End User Agreement.

License Key

Stored information that technically represents the ownership of one or more licenses.

License Number

The license number is the unique identifier of a license.

Master License

Use of the software with this license is unlimited.

Rental License

This license permits the use of the software limited to a period of operating hours or days or until a period expires as stipulated by the agreement.

Service Pack

Officially available remedy for errors in software; does not require a new license.

Single License

The use of the software with this type of license is permitted on any one computer for an unlimited period. The type of usage is defined by the certificate of license.

Software Option

From the point of view of license management, software that is technically dependent on other software or firmware.

Trial License

This license limits the use of the software to a specified number of days from the time it is first used. The software may only be used for purposes of testing and validation (liability excluded).

Upgrade License

An upgrade is a transition from version x to version >x of the software. An upgrade may demand specific requirements on the system status. An upgrade may be required if you wish to increase the number of computers running an application.

Unlimited License

This license enables unlimited use of the software.

Index

A

Access protection 23
  with SIMATIC LOGON 57
Access Protection via SIMATIC Logon 57
Activation code 45, 47
  entering 47
  generating 45
Application dialog 19
Automation License Manager 8, 11, 12, 13, 19, 20, 25, 28, 60
  function rights 60
  installation requirements 11
  installing 12
  License types 7
  licenses 7
  roles 60
  standard license types 7
  status icons 25
  uninstalling 13
  user interface 19
  views 28
Available views 27

C

Calling and activating role management 59
Checking license keys 55
Connecting a computer 52
Connecting computers over a network 52
Creating folders 36
Creating license key folders 36

D

Default views 27
Delay in program execution 24
  feedback in case of ... 24
Determining and synchronizing license requirements 39
Determining the license requirement 39
Displaying installed software 33
Displaying the installed license keys 32

E

Europe / Africa 10
Existing license keys in the network 51
External access 23
  blocking 23

F

Failed connection 53
Failure of computer connections 53
Find 30
  installed license keys 32
Finding license keys 30
Floating license key 51
Function overview 6
Function rights and roles for the Automation License Manager 60
Functionality of Automation License Manager 6
Functions of the Automation License Manager 6

H

Help from Support for License Management 56

I

Installation requirements 11
Installed license keys
  displaying 32
Installing 12, 13
  PlugIns 13
  the Automation License Managers 12
Installing license keys 32
Installing PlugIns 13
Installing the Automation License Managers 12
Internet page Back 50
Internet page Forward 50
Internet page Start page 50
Internet page Stop 50
Introduction to the Automation License Manager 5

K

Keyboard commands 26

L

language 23
Language
  settings 23
License key 14, 15, 32, 51
  installing 32
  searching in the network 51
  upgrade 14, 15

License keys 29, 31, 32, 34, 35, 41, 47, 55, 56
activating 47
checking 55
creating a log 31
managing 29
offline transfer 41
repairing 55
support 55
transferring 34, 35
using the wizard to recover 56
License profile file 48
License profile files for the offline transfer of license keys 48
License types in the Automation License Manager 7
Licenses in the Automation License Manager 7
Log 31
utilizing 31

M

Making the offline transfer – activating license keys 47
Managing license keys 29
Managing License Keys in Folders 37
Master License 62

N

Network 53, 54
failed 53
Notes 16, 17
on optimizing hard disks 17
on using older software versions 16
Notes on using older software versions 16

O

Object area 21
table columns 21
Offline transfer 42, 45, 47
activate license keys 47
enter request code 45
entering activation code 47
generating activation code 45
generating start code 42
license profile file 48
Offline Transfer - Generate Request Code 43
Offline transfer of license keys 41
overview 41
Optimizing hard disk 17
Optimizing hard disks 17
Overview of the Management
Find
and Log views 28
Overview of the views in the Automation License Manager 28

P

Plug-in 13
installing 13

R

Recovering license keys 55
Recovering license keys using the wizard 56
Request code 45
enter 45
Requirements 11
for installation 11
Role management 59
activating 57, 59
calling 59
roles and rights 57
with SIMATIC LOGON 57
Role management of SIMATIC Logon 57
Roles and function rights for the Automation License Manager 60

S

Scope of delivery 9
Searching for existing license keys in the network 51
Settings 23
external access 23
favorites 23
language 23
Settings for external access
language and favorites 23
Settings in the Automation License Manager 23
Start code 42
generating 42
Status icons for license keys 25
Status icons in the Automation License Manager 25

T

Table columns in the object area 21
Transferring license keys 34, 35

U

Uninstalling the Automation License Managers 13
Upgrade of licenses 14
User interface of the Automation License Manager 19
Using older software versions 16

V

View 27, 29, 31
  default views 27
  Find view 30
  log 31
  Management 29

W

Web license key download 49
Worldwide Help from Support for License Management 10