

Licensing Guide





LG\_LMS2-4

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# Preface

Welcome to the Licensing Guide. It contains detailed information about how to install an IAR Systems product that uses a network license and how to manage your licenses. You will also get detailed reference information on the IAR License Manager.

For information about how to install and license an IAR Systems product that uses a mobile or PC-locked single-user license, see the *Installation and Licensing Quick Reference* booklet in your product box.

# Who should read this guide

You should read this guide if you:

- Are about to install a Network license and need more information about installation and licensing than is available in the *Quick Reference* booklet
- Have a Network license and are about to install the license server
- Are about to upgrade your existing license
- Need to transfer your license to another computer
- Are about to use the IAR License Manager.

# What this guide contains

This guide contains these chapters:

- *Introduction* gives a general introduction to the installation and licensing procedure and describes the differences between the different license types with the main focus on network licenses.
- *Installing a product with a network license* gives a step-by-step description of how to install both the license server software and the client software in a multi-user environment. This chapter also describes how to upgrade both the license server and your IAR Systems product clients.
- *License management* gives step-by-step descriptions of how to perform some typical tasks for network licenses.
- *Reference information on the LAR License Manager* gives reference information on the IAR License Manager—a tool for managing your licenses.

• Licensing concepts lists and describes terms related to licensing in general.

# FURTHER INFORMATION

If this guide does not answer your questions or solve your problems concerning the installation or licensing, you can:

- Read the release notes for recent information that might not be included in this guide. The release notes are available in the Information Center and on the product installation media.
- See the technical notes on the Technical Support pages on the IAR Systems web site: www.iar.com/support
- Contact IAR Systems Technical Support for technical support. Information about how to access our Technical Support can be found on the IAR Systems web site: www.iar.com/support.

Be prepared to provide the following information: your license number, the type of license lock you use, when and where you purchased the product, and a detailed description of the problem.

# **Document conventions**

When, in the IAR Systems documentation, we refer to the programming language C, the text also applies to C++, unless otherwise stated.

When referring to a directory in your product installation, for example doc, the full path to the location is assumed, for example

c:\Program Files\IAR Systems\Embedded Workbench 6.*n*\*cpuname*\doc

or

c:\Program Files\IAR Systems\visualSTATE 7.n\doc.

## **TYPOGRAPHIC CONVENTIONS**

The IAR Systems documentation set uses the following typographic conventions:

Style	Used for
computer	<ul> <li>Source code examples and file paths.</li> </ul>
	• Text on the command line.
	<ul> <li>Binary, hexadecimal, and octal numbers.</li> </ul>
parameter	A placeholder for an actual value used as a parameter, for example
	filename.h where filename represents the name of the file.

Table 1: Typographic conventions used in this guide

Style	Used for	
[option]	An optional part of a command.	
[a b c]	An optional part of a command with alternatives.	
{a b c}	A mandatory part of a command with alternatives.	
bold	Names of menus, menu commands, buttons, and dialog boxes that appear on the screen.	
italic	<ul> <li>A cross-reference within this guide or to another guide.</li> <li>Emphasis.</li> </ul>	
	An ellipsis indicates that the previous item can be repeated an arbitrary number of times.	
æ	Identifies helpful tips and programming hints.	
<u>.</u>	Identifies warnings.	

Table 1: Typographic conventions used in this guide (Continued)

Document conventions

# Introduction

This chapter introduces the IAR Systems licensing system. It gives an overview of the installation and license activation procedure, and of the different license types.

# How IAR Systems licensing works

Each product from IAR Systems comes with a software license.

When you start your IAR Systems product for the first time after you have installed it, you activate your license by entering your License Number and registering the license. A license wizard will guide you through the process:



In the welcome letter of your product package, you will find a license number. The automatic activation will give you a *Startup license* that allows you to start using the product immediately after installation and 30 days onward.

When you have finished your purchase, you will be able to activate your permanent license. You are now also entitled to up to one year of free updates and prioritized technical support, depending on your purchased product.

A license manager is installed together with your IAR Systems product to help you manage your licenses. For more information about how to use the IAR License Manager, see *License management*, page 25.

# LICENSE TYPES

There are three kinds of permanent licenses:

- Mobile license—a single-user license locked to a dongle (hardware lock)
- *PC-locked license*—a single-user license locked to the computer where the software is installed
- Network license for multiple users.

This guide describes the Network license and how to manage it. For more information about the Mobile and PC-locked license types, see the *Quick Reference* booklet supplied in the product package.

# Introduction to the IAR License Manager

This section introduces you to the IAR License Manager.

# **BRIEFLY ABOUT THE IAR LICENSE MANAGER**

The IAR License Manager is a program—automatically installed when you install your IAR Systems product or the IAR License Server—that you can use to administrate your licenses.

The IAR License Manager is local to a specific installation directory and automatically detects all IAR Systems products that use this version of the licensing system and are installed in the same directory.

Start the IAR License Manager either from the Windows **Start** menu or from the **Help** menu in your IAR Systems product.

# **BRIEFLY ABOUT THE LICENSE WIZARD**

The License Wizard leads you step by step through the license activation process. It will start automatically when you start your IAR Systems product if there are installed products without valid licenses. You can also start it from the **License** menu in the IAR License Manager.

# **Network licenses**

A *Network license* is a multi-user license that is located on a *license server computer*. A license server computer is a PC with the IAR License Server installed. Individual installations of IAR Systems products are installed on other computers (clients) in the same network.

The network license makes it possible to use your IAR Systems product from any of the client computers on the network. The network license allows for a maximum number of concurrent users, and the license server keeps track of the current number of users.

The network license is locked to the computer where the license server is installed, either to the computer itself or to an attached dongle. With the dongle, you can easily transfer the license server to a different server computer.

The license server is generic and you can use it for all IAR Systems products you install.

### USING DIFFERENT VERSIONS OF LICENSE SERVERS

Your IAR Systems product requires version 2.x of IAR License Server. Note that some IAR Embedded Workbench products require version 1.4x or older of the license server. A new and an old server cannot coexist on the same computer unless virtual machines are used.

### THE IAR LICENSE SERVER PACKAGE

When you order a network license, you receive:

- One installation media with the IAR License Server
- One dongle (only if explicitly ordered)
- One installation media with your IAR Systems product.

The license server consists of two components:

- The IAR License Manager, which is used for administrating licenses. The IAR License Manager is also installed with your IAR Systems product to administrate licenses on the client computers.
- The Sentinel RMS License Manager, which is the actual license server.

Install the license server on a computer that you want to use for the license server.

### YOUR IAR SYSTEMS PRODUCT

The IAR Systems product can be installed on as many client computers as you want.

Using a network license, the IAR Systems product requests permission to run from the license server each time you perform an activity that requires a license, for example compiling and linking.

When the activity is finished, the permission to use the network license remains locked to that client for another 30 minutes before it is released to another client. In the IAR License Manager you can view the status of the license.

# **CLIENTS WITH COMMUTER AUTHORIZATION**

A network license includes a commuter feature, which makes it possible to use your IAR Systems product for a limited number of days without being connected to the license server. For more information, see *Checking out a product for commuter authorization*, page 26.

# SYSTEM REQUIREMENTS

For information about systems requirements:

- For client computers, see the *Release notes* on the installation media
- For the IAR License Server computer (network licenses only), see the *Release notes* on your IAR License Server installation media.

**Note:** To install and activate the product, you must have administrator privileges on the computer and an internet connection. If IAR License Manager cannot get access to the internet, see *Activating your license while offline*, page 26.

# NETWORK REQUIREMENTS FOR THE LICENSE SERVER

If you have a network license, each client installation will automatically search for license servers on the subnet.

The client–server communication is handled via the UDP protocol at port 5093 on an IP network.

If a firewall or network bridge is installed on the license server computer, for example Windows Firewall, UDP packets must be allowed to be routed through server port 5093.

In network configurations where the broadcast function is not available or the license server is on a different subnet, you must manually point out the server from the client. For information about how to do this, see *Servers dialog box*, page 51.

UDP broadcast packets at port 5093 are also used every time your IAR Systems product is started and periodically for as long as the IAR License Manager is running. The broadcasts are made to find available license servers on the network. No broadcasts are made during the time that a licensed product is being used.

The IAR License Manager uses the https communication protocol to fetch license keys from IAR Systems. The Windows settings for internet proxy are used.

# Installing a product with a network license

This chapter gives information to the system or network administrator about how to install the IAR License Server on the designated server and the IAR Systems products on the client computers.

For information about network licenses, see Network licenses, page 10.

# Installing a product using a network license

The recommended way to install a product with a network license is the following three-stage procedure:

- I Install the IAR License Server on a server computer.
- 2 Activate and register the license using the IAR License Manager on the server.
- **3** Install your IAR Systems product on the client computers and start using the network license.

**Note:** To install products from IAR Systems, you must have administrator privileges to the system.

**Important:** If you wish to add a network license to an already installed IAR License Server, go directly to *Activating the license*, page 18, for instructions. Ignore the installation procedure described below.

# INSTALLING THE IAR LICENSE SERVER

**Note:** Unless you use a dongle, it is important that you decide from the beginning which computer to use for the license server, because the license server will be locked to that computer.

- Choose a suitable server computer for the license server; see the release notes on your license server installation media regarding system requirements.
- **2** Remove any dongles.
- **3** Insert the IAR License Server installation media. The installation program should start automatically. If it does not, run the autorun.exe program from the installation media.

**4** Click **Install the IAR License Server**. This will first install the IAR License Manager and then immediately continue with the Sentinel RMS License Manager.

TAR LICENSE Server	
Installation Information	
Install the IAR License Server	
View the readme file	
Explore the CD	
Exit	
	-
	<b>U</b> IA

5 Click Next to confirm that you have read and understood the license agreement.

icense Agreement			DIA
Please read the following license agreement c	aretully.	S	SIE
SOFTWARE LICENSE AGREEMENT (concerning Products: IAR Embedded Workb from IAR Systems AB	ench®, visualST/	ATE® and IAR PowerP	act)
PREAMBLE			
THIS SOFTWARE LICENSE AGREEMENT ( PRODUCTS LICENSED BY IAR SYSTEMS A SUBSIDIARIES ("IAR SYSTEMS") OR DISTI YOU ("THE LICENSEE").	THE "AGREEME AB INCLUDING A RIBUTORS ("IAP	INT"] APPLIES TO MY OF ITS I DISTRIBUTORS"], TI	D _
I accept the terms of the license agreement	3	B	int
I go not accept the terms of the license agr (1) and 1	eement		

**6** Choose the destination folder where the IAR License Manager will be installed.

Choose I Select fo	Destination Location Kler where setup will install files.	SYSTEM
	Instal VAI Loreno Server Tools to: C.V., WAR System WAR Lorene Server Tools	Durge.
tatShidd	(Back Heat)	Cancel

7 Select the folder for the program icon on the Start menu.

elect Program Folder Please select a program folder	S BARRY IN
Setup will add program icons to the Progra name, or select one born the existing lodge	am Folder listed below. You may type a new fol res list. Click Next to continue.
Program Folder	
IAR Licence Server Tuck	
Existing Folders:	
Administrative Tools Genves IAP Systems Mantensrote Stanup Toblet PC	

**8** When the IAR License Manager has been installed, the installation of the Sentinel RMS License Manager starts.

2 6	Welcome to the InstallShield Wizard for Sentinel RMS License Manager 8.5.0
	The Instal/Dheid/R) Wizard will install Sentinel RMS License Manager 8.5.0 on your consoluter. To confinue, dick Next, It is recommended that before continuing the installation, the previous version(c) are uninstalled, incase they are not used.
	WARNEWS: This program is protected by copyright law and international treates.
Sentinel RM Development Ki	<bull next=""> Cancel</bull>

9 Click Next to confirm that you have read and understood the RMS license agreement.



**IO** Fill in the customer information.



I Choose a destination folder where the license server will be installed. The default directory is C:\Program Files\Common Files\SafeNet Sentinel\Sentinel RMS License Manager.



**12** On the Setup Type page, select either **Complete** or **Custom** (by default, this does not install the dongle drivers).

it duk
where they

**13** On the next page you should unblock UDP traffic on port 5093, which is necessary for the client computers to access the server.



**14** Click **Install** to install the Sentinel RMS License Manager.



Normally, you do not need to start the license server manually. It will automatically start after the installation and restart every time you restart the computer. If you for some reason need to start the license server manually, see *Manually starting and stopping the license server*, page 36.

# **ACTIVATING THE LICENSE**

Before you can use your network license, you must activate it.

- I On the license server computer, start the IAR License Manager from the Windows Start menu.
- 2 Choose License>Activate License.



Alternatively, if the IAR License Manager cannot get access to the internet, you can renew your license by selecting **Offline Activation** from the **License** menu and enter your license number.

- **3** If you have a dongle, attach it to your computer.
- **4** Type your license number and click **Next**. The license number can be found in the Welcome letter.



**5** In the next step, click **Register**.



**6** The License Wizard opens a registration web page at IAR Systems where you register your license.

<b>BIAR</b> SYSTEMS	
Register License	
Distributor •	
License number 8889-137-411-4182	
Product IAR Embedded Workbench for ARM, v. 6.81	

When you have completed the registration form, an email will be sent to the address you specified. Open the email when you receive it and click on the link in this email to verify the registration. The registration procedure is now completed.

Click Next in the License Wizard to continue with the license activation.

7 Click Next to confirm that you want to activate the license on the computer you are using.



**8** If your network license is using a dongle, you must now to lock the license to the dongle. (If your license will not use a dongle, skip this step.) Connect the dongle to your computer, and make sure that no other dongle is connected.

se Wizard	
Confirm dongle	
This license is locked to a dongle but no dongles were found.	
If you haven't received your dongle yet you may temporarily lock the license to the computer while	Befrech dongle list
walling. Otherwise make sure that the correct dongle is concerted and affit Robert donate Fit.	Isubleshoot
wait to lock the iscense to this computer while waiting for my dongle.	<b>OIAI</b> SYSTEM
( s gack	] (en)   Can

Alternatively, if your dongle has not arrived, you can temporarily lock your license to your computer. Select the corresponding check box.

**Note:** It is possible to lock the license to another dongle than the one provided with the product package, for example, if you want to lock several products to the same dongle. In that case, carefully consider the consequences. Once the dongle is confirmed, the lock cannot be undone.

**9** The License Wizard now confirms your license details. Click **Next** to finish the activation.



**Note:** Your permanent license might include a time-limited evaluation of features that are not part of the license you have bought.

10 In the IAR License Manager, choose View>Network Licenses to view the installed licenses.

Network Licenses	c .					
Feature	Version	Used	Total	Server	Expires	
EW.COMPILER	1.00	0	1	SEUPP-RRRR	2012-01-02 23:59	
REW.DEBUGGER	1.00	0	1	SEUPP-RRER	2012-01-02 23:59	
EW.LIBSRC	1.00	0	1	SEUPP-RRRR	2012-01-02 23:59	
EW.LINKER	1.00	0	1	SEUPP-RRRR	2012-01-02 23:59	
REW.MISRAC	1.00	0	1	SEUPP-RRRR	2012-01-02 23:59	

- **11** You can now close the IAR License Manager. The server will be running in the background and you can at any time start the manager again to view or administrate the licenses.
- **12** You will receive a notification by email when the permanent license is available.

To get your permanent license, perform the following steps on your license server computer:

- Start the IAR License Manager from the Windows **Start** menu.
- 2 On the License menu, choose Check for License Renewal and follow the instructions.

Alternatively, if the IAR License Manager cannot get access to the internet, you can renew your license by selecting **Offline Activation** from the **License** menu and enter your license number.

# INSTALLING AN IAR SYSTEMS PRODUCT ON CLIENT COMPUTERS

The following steps should be repeated on each client computer.

If you already have the new version of the product installed (an evaluation version), go directly to step eight.

- I Insert the installation media. The installation program should start automatically. If it does not, run the autorun.exe program from the installation media.
- 2 Click Install... to start the installation.
- **3** Read and accept the license agreement when prompted.



4 If prompted, select either a **Complete** or a **Custom** installation:



If you select **Custom**, select the components you want to install in the next dialog box.

Note that this step does not always apply.

**5** Accept the default installation directory or specify a directory of your choice:

Choose I Select fr	Destination Location Ider where setup will install files.	<b>O</b> IAI
	Install IAR Embedded Workbench to: CN_VAR System/Embedded Workbench 6.0	Eherge.
dat5hield		

**6** Choose a folder in the Windows **Start** menu where you want to place the IAR Systems product start shortcut.

Select Program Folder Please select a program folder.	<b>OIAI</b> SYSTEM
Setup will add program icons to the Pr name, or select one from the existing I	ogram Folder listed below. You may type a new folder olders list. Click Newt to continue.
Brogram Folder.	
IAR Embedded Workbench	
Existing Folders	
Longotation	
Administrative Tools Extras and Upgrades Games Maintenance Statup Tablet PC	

7 Review the settings for the installation and click **Install** to install the program files.

Ready to Install the Program	<b>O</b> IA
The wizard is ready to begin installation.	SYSTEM
Click Install to begin the installation.	
If you want to review or change any of your installation settings, slic the vacand.	h Back, Click Cancel to exit

You are now finished with the IAR Systems product installation.

Make sure to repeat the steps above on each client computer where you want to be able to run your IAR Systems product.

- 8 When you first start your IAR Systems product on a client computer, it will find the license server and suggest that you use it. If the client does not find the license server automatically, you can point it out manually, see *Servers dialog box*, page 51.
- **9** You can now start using your IAR Systems product.

**Note:** If you are upgrading from a size-limited IAR Embedded Workbench version, make sure to perform a **Rebuild All** command when you build your project for the first time using the new version.

# License management

This chapter describes how to perform some tasks related to license management.

# Managing your licenses

This section gives information about some tasks that you might need to perform. For some of the tasks there are also step-by-step descriptions.

More specifically, you will get information about:

- Switching between different licenses for a product
- Checking out a product for commuter authorization
- Maximum number of commuter authorizations
- · Activating your license while offline
- Transferring your license to another computer while offline
- Choosing a network license manually
- Updating a product that uses a network license
- Adding more users to a network license
- Transferring network licenses
- Manually starting and stopping the license server.

See also the *Quick Reference booklet* for information about transferring a license to another computer.

# SWITCHING BETWEEN DIFFERENT LICENSES FOR A PRODUCT

You can have several licenses for the same product installed on your computer. The license that was last activated will be used. To switch to an older version of the license, to another product variant, or to a network license, follow this procedure:

- I In the IAR License Manager, choose View>Product List and double-click the product to display the License Details dialog box.
- 2 Select the license you want to use from the Selected license drop-down list.

# CHECKING OUT A PRODUCT FOR COMMUTER AUTHORIZATION

To check out a license from a network server:

- Start the IAR License Manager.
- 2 Right-click on the product and choose Check Out.
- **3** In the **Check Out** dialog box that is displayed, specify for how many days (maximum 15 days) you want to check out a product with commuter authorization.

You can now use the product without being connected to the license server.

**4** To terminate the commuter authorization before it expires automatically, right-click on the product and choose **Check In**.

The license will automatically be returned after the specified number of days.

### MAXIMUM NUMBER OF COMMUTER AUTHORIZATIONS

To set the maximum number of commuter authorizations to be, for example, 25% of the total number of licenses, use the LSERVOPT environment variable with the -com option on your license server computer:

LSERVOPTS=-com 25

# ACTIVATING YOUR LICENSE WHILE OFFLINE

To activate your license even if the IAR License Manager cannot access the internet:

I In the IAR License Manager, choose License>Offline Activation.



2 In the wizard that appears, type your license number to generate an *activation information file* and click Next.



**3** On the next page, specify whether the license should be locked to your computer or to a dongle. If your license should be locked to a dongle, but you have not received it yet, select **Yes, but I have not received the dongle yet.** You will then be able to lock the license temporarily to your computer while you wait for the dongle.

icense Wizard	×
Choose locking criteria	
Should the license be locked to a hardwar	re dongle?
⊂ Yes	
C No	
C Yes, but I have not received the dor	igle yet.
0	<b>EIAR</b> SYSTEMS
	Keck Net Cancel

**4** If you chose to lock the license to a dongle directly (by selecting **Yes** on the previous page) you will be asked to connect the dongle before proceeding.



Connect the dongle and click Refresh dongle list.

**5** Next, specify where to save the activation information file.



6 Next, the wizard displays the URL https://register.iar.com/activate.



7 Go to a computer with internet access and browse to that web page. There you will be able to upload the generated activation file.

<b>⊜IAR</b>	
SYSTEMS	
oronemo	
Offling Ligging Activation	
Omine License Activation	
Use the Browse button below to navigate to Then click Post request.	the Activation Information file.
	Browse_
Post request	
Please note that the activation procedure ma	ay take several minutes. Please be patient!
IAR Systems website	
IAR Systems website	121 121

- MR Systems-Offline Lice: 
  C LAR SYSTEMS All [35] https://register.iar.com/activate
  C LAR SYSTEMS All [36] https://register.iar.com/activate
  C LAR SYSTEMS All [36] https://register.iar.com/activate
  C C LAR Systems
  C Control of the Advatory of the State Sta
- **9** At the end of the activation process you will be able to download an activation response file.



Bring that file to the computer where you want to use your license.

**8** If you have not registered your license you will be asked to do that before proceeding.

10 On the computer where you want to use your license, click Next in the wizard. Browse to the activation response file and click Next again.



You have now activated your license.

- I If you have temporarily locked your license to the computer and finally receive your dongle, repeat the offline activation, but choose to lock the license to the dongle.
- **12** When your license has been approved by IAR Systems, repeat the offline activation again to finally activate your permanent license.

# TRANSFERRING YOUR LICENSE TO ANOTHER COMPUTER WHILE OFFLINE

A transfer involves deactivating and activating the license. Note that this procedure does not apply to Mobile licenses. For information about online license transfers, see the *Quick Reference* booklet.

- I On a computer with internet connection, go to https://register.iar.com/deactivate.
- **2** Type the license number you want to deactivate.
- **3** As a response you will get a *deactivation permission* file to download. Bring that file to your computer.
- 4 In the IAR License Manager, choose License>Offline License Transfer.
- **5** In the dialog box that appears, locate the permission file and click **OK**. A *deactivation confirmation* file will now be created.
- **6** Bring that file to the computer with an internet connection and return to the web page.
- **7** Upload the deactivation ticket and your license is now ready to be activated on another computer.

# **CHOOSING A NETWORK LICENSE MANUALLY**

- From the IAR License Manager, choose Licence>Use Network License to open the wizard.
- 2 In the list, select the server that you want to use and click Next:



**3** Alternatively, if the server is not in the list, click **Add a server**. In the dialog box that appears, click **Add** and type the name or IP number of your server:

trvers	
Vise broadcasts to find servers	
Pound servers:	
SELPP LICENSE4	
1	
Manually added servers:	
my-server-name	Add
	Ędit
	Benove
~	1
UK.	Cancel

Note: Entering an incorrect server name might slow down the IAR License Manager.

Click **OK** to return to the wizard.

4 In the wizard, select the right server and click Next.

### UPDATING A PRODUCT THAT USES A NETWORK LICENSE

To update a product that uses a network license, follow this three-stage procedure:

• *Updating the IAR License Server*, page 33. This step is only applicable if you have received an update of the IAR License Server in addition to the updated IAR Systems product.

- *Renewing a network license*, page 34.
- Updating your IAR Systems product, page 34.

A product update is performed on the same computer where the previous version of the product is installed. The same license type and license lock are used after you have installed the update.

### Updating the IAR License Server

If you have received an update of the license server, perform the following steps on the computer where you have the current license server installed.

**Note:** The installation procedure will shut down the license server and make all network licenses temporarily unavailable.

The setup program will uninstall the old version of the license server.

Follow the instructions in Installing the IAR License Server, page 13.

You are now finished with the IAR License Server update.

### **Renewing a network license**

When you receive a product update, your license must be renewed.

**Note:** The network licenses should not have any commuter authorizations checked out while the license is renewed.

- Start the IAR License Manager on the license server computer.
- **2** In the **Check for License Renewals** dialog box that is displayed, select the license for which you want to check for renewals.

Check for License Renewals					
				1	
í I	Check	License Number	Product   Expiry Date   Comment		
Í		8888-354-417-3390	IAR Embedded Workbench for ARM	Network license on this server (SEUPI	
		8888-501-058-4006	IAR Embedded Workbench for M16C and R8C Network license on this server (S		
		8888-321-048-3856	visualSTATE Premium Open all, Baseline Edition	Network license on this server (SEUPI	
	Show	unused licenses	Check selected licenses Cancel		

Click **Check selected licenses**. The IAR License Manager contacts IAR Systems to check whether there are any renewals available for the selected license.

- **3** The **Available Renewals** dialog box is displayed and lists the licenses for which there are new licenses available. Make sure to select the license you want to renew and click **Renew selected**.
- **4** On the client computers, you must restart your IAR Systems product or start the IAR License Manager to make it detect the renewed licenses.

You are now finished and the updated license can be used.

### Updating your IAR Systems product

Before you install your updated IAR Systems product on the client computers, decide whether you wish the update to completely *replace* your existing product installation, or whether you wish to keep your existing installation and install the update in another directory.

If you want to use multiple versions in parallel, make sure to install the new version in a different directory.

If you wish to replace your existing installation, first do as follows:



- Make copies of any product files that you have modified in your existing installation. These files will otherwise be overwritten. Your own files will remain intact.
- Uninstall the current version of the product.
- If you are using IAR Embedded Workbench, uninstall the runtime library source code (this step is only applicable if such source code has previously been installed).

Then follow the instructions in *Installing an IAR Systems product on client computers*, page 22, for each client computer with the previous version of your IAR Systems product installed, that you want to update.

You are then finished with the update.

### ADDING MORE USERS TO A NETWORK LICENSE

If the number of concurrent users permitted by your network license is not sufficient, you can add more users to the license. To do this, you must contact your software distributor or IAR Systems to purchase an extended network license.

You will get an email notification when your purchase is finished. To activate your license with the new entitlements, perform one of these steps:

- Renewing a network license—looking for renewals for all activated licenses on the computer. If you have many licenses installed this might take some time (roughly up to one minute per license number). In this case, it might be better to perform the second step instead.
- Activating the license—renewing a specific license. You will need to specify the same license number as when the original license was activated. One advantage with this alternative is that only that license number is checked. This option can also be used if renewals fail due to, for example, a changed locking criterion.

### TRANSFERRING NETWORK LICENSES

A network license can only be transferred to another server computer if the license is locked to a dongle. If you must transfer a network license that is locked to the server computer, you must contact IAR Systems.

To transfer the network licenses to a new license server computer, for example in the case of server failure, do as follows:

- I Install the IAR License Server on the new computer as described in *Installing the IAR License Server*, page 13. Do not activate the license or register the product.
- **2** Connect the dongle to the new license server computer.

- **3** Start the IAR License Manager and activate your product, using the license number, see *Activating the license*, page 18. If you have more than one product, you must repeat this step for each license number.
- **4** On the client computers, start the IAR License Manager and choose the new license server as the license provider:
  - Choose License>Use Network License
  - Select your product and click Next
  - Select the new license server and click Next.

You have now transferred the license server to the new computer.

# MANUALLY STARTING AND STOPPING THE LICENSE SERVER

Normally, you do not need to start or stop the license server manually. It starts automatically when the computer is started. But if you for some reason need to start it manually, it is possible.

The license server runs as a Windows service. To find out if it is running, you can check the Windows list of services. How to display that list depends on which Windows version you are using. The service is called *Sentinel RMS License Manager*.

The executable file for the service is located where you installed the Sentinel RMS License Manager during the installation of the IAR License Server Tools. The default directory depends on Windows version and language, but would typically be something like this: C:\Program Files\Common Files\SafeNet Sentinel\Sentinel RMS License Manager

.

In that directory there is a subdirectory WinNT where the server files are located. The name of the server executable file is Lservnt.exe. To start and stop it, you run loadls.exe (which requires administrator privileges).

LoadLS		3
	This program will add or remove the Sentinel RMS License Manager to the Windows NT System Service registry. You must have Administrator security privileges to use this program effectively. To add the Sentinel RMS License Manager as a System Service, confirm that the Executable Path field reflects the correct path to the executable file, Iservnt.exe, and press the Add button. To remove the Sentinel RMS License Manager service from the System Service registry, press the Remove button.	
	Add C:\Program Files (x86)\Common Files\SafeNet Sentinel\Sentinel RMS Licer	
	Remove	
	Cancel	

Click **Add** or **Remove** to start or stop the service. If you accidentally click **Add** when the service is already running, or **Remove** when the service is not running, your will get an error message.

# **Reserving user groups for network licenses**

You can create a reservation file that specifies groups of users that have exclusive right to use a feature, and groups that may not use a feature.

### To reserve a user group:

Edit the user group file using a text editor. Use this file syntax:

feature_name,feature	_version:group_name:reserved_tokens:user_1
user_N	
where:	
feature_name	is for example, XXX.EW.COMPILER_STD.
feature_version	is for example, 1.01.
group_name	is a name that identifies the group.
reserved_tokens	is the number of license users reserved for the group.
user_1user_N	is a list of user names or host IDs, separated by white space

For example, this file will make the server hold two tokens exclusively for the users at the workstations PC-ADAM and PC-ADA, for the compiler and debugger features, while the user of PC-GUEST will be unable to use the specified features at all:

```
XXX.EW.COMPILER_STD,1.01:include_grp:2:$PC-ADAM $PC-ADA
XXX.EW.COMPILER_STD,1.01:exclude_grp:0:$PC-GUEST
XXX.EW.DEBUGGER_STD,1.01:include_grp:2:$PC-ADAM $PC-ADA
XXX.EW.DEBUGGER_STD,1.01:exclude_grp:0:$PC-GUEST
```

Note that a license normally has a number of features. You can find the feature names and versions in the IAR License Manager. Double-click a product to open the License Details dialog box.

- 2 Save the file as, for example, C:\IARSystems\LicenseManagement\lreserv.txt.
- **3** Use the LSRESERV environment variable to set the destination of the user group file.

For example: LSRESERV=C:\IARSystems\LicenseManagement\lreserv.txt

- **4** Restart the license server.
- **5** Using the license is now restricted according to your specification:
  - If the number of reserved tokens for the group is the same as the number of users allowed for the license, no one outside the group can use the license.
  - If the number of reserved tokens for the group is zero, no one in the group can use the license.

# Logging license server activities

You can activate logging of a license server's activities. Typically, this is useful for monitoring which users are using which licenses and how much.

These tasks are described:

- Enabling the logging, page 39
- Specifying the size of the log files, page 39
- Backing up the log files, page 39
- Disable backing up log files, page 40
- The log file format, page 40

### **ENABLING THE LOGGING**

To enable logging, set this environment variable on the license server computer: LSERVOPTS=-1 path\_to\_log\_file

For example: LSERVOPTS=-1 C:\ServerLog\logfile.txt

You must restart the license server for the changes to take effect.

**Note:** If the environment variable is set globally (for example in Windows system properties), it might affect other products.

### SPECIFYING THE SIZE OF THE LOG FILES

Use the -z option to specify the maximum size of the log file. The size can be specified in bytes, for example -z 2000 for 2000 bytes, in kilobytes, for example -z 2k for two kilobytes, or in megabytes, for example -z 2m for two megabytes.

For example: LSERVOPTS=-z 2m -1 C:\ServerLog\serverlog.txt

# **BACKING UP THE LOG FILES**

If the maximum size of the file is reached, as specified by the -z option, the license server copies (renames) the original log file to a backup file, which has the same name but with two numeric digits appended to its name. The logging continues in the file with the original name.

Assume this example:

The administrator has specified the maximum size of the log files as 2 Mbytes. When the size reaches 2 Mbytes, the license server adds a suffix at the end of the log files. For example: serverlog.txt.00, serverlog.txt.01, serverlog.txt.02 up until serverlog.txt.99. Once this limit is reached, the license server starts generating the backup files using the same log file name series starting from 00, which means the old log files will be overwritten. If you need more log files, you must write your own script which will back up the first 100 log files to another location (storing the content), which means it is no longer a problem when the first log files are overwritten.

# **DISABLE BACKING UP LOG FILES**

To disable the automatic backing up of log files, add the -x option to the LSERVOPTS environment variable on the license server computer.

# THE LOG FILE FORMAT

The log information is recorded in the log file, one entry per line in this format:

Element	Description
Server–LFE	Customer-defined log file encryption level as specified by the license server -lfe option.
License–LFE	Vendor-defined log file encryption level. If this is non-zero, this element overrides Server-LFE.
Date	The date the entry was created, in the format: Day-of-week Month Day Time (hh:mm:ss) Year, for example Wed Oct 10 08:40:46 2012.
Time-stamp	The time stamp of the entry.
Feature	The name of the feature.
Ver	The version of the feature.
Trans	The transaction type. ${\bf 0}$ indicates an issue, ${\bf 1}$ a denial, and ${\bf 2}$ a release.
Numkeys	The number of licenses in use after the current request/release. (Encrypted if encryption level is set to $3$ or $4$ .)
Keylife	How long, in seconds, the license was used. Only applicable after a license release.
User	The user name of the application associated with the entry.
Host	The host name of the application associated with the entry.
LSver	The version of the Sentinel RMS Development Kit license server.
Currency	The number of licenses handled during the transaction. (Encrypted if the encryption level is set to 3 or 4.)
Comment The text passed in by the license application.	

Table 2: The log file elements

A typical entry might appear as:

# Startup Sentinel RMS Development Kit v7.00 Fri Aug 13 17:33:31
1999 934590811 jsmith 140 4294489039

2 0 MTI1 Fri Aug 13 17:33:33 1999 934590813 99 v 0 1 0 jsmith jsmith 7.00 1 - MA== 754986 OTM1MzQ1Nzk5

2 0 MTI1 Fri Aug 13 17:33:33 1999 934590813 99 v 2 0 0 jsmith jsmith 7.00 1 - MQ== 905242 MTY2MDIyOA==

# Shutdown Sentinel RMS Development Kit v7.00 Fri Aug 13 17:33:34
1999 934590814 jsmith 4294489039 Mg== 2058783

Logging license server activities

# Reference information on the IAR License Manager

This chapter describes how to use the IAR License Manager—a tool for managing your IAR Systems product licenses.

# **Reference information**

This section gives reference information about these windows and dialog boxes:

- IAR License Manager main window, page 43
- Available Renewals dialog box, page 47
- Check for License Renewals dialog box, page 48
- License Details dialog box, page 49
- Servers dialog box, page 51

# IAR License Manager main window

The IAR License Manager is available from the **Help** menu in your IAR Systems product. Alternatively, the IAR License Manager is also available from the Windows **Start** menu.



Use this window to manage your IAR Systems product licenses.

File menu		
	The menu contains this co	ommand:
	Exit	Exits the IAR License Manager.
View menu		
	The menu contains these of	commands:
	Refresh	Updates network license usage information, dongle status, etc. This is automatically done every 15 seconds.
	Product List	Opens the <b>Product List</b> page in the display area, which lists all installed products. Double-click a product in the list to display a dialog box where you can get detailed information about the licenses for that product, see <i>License Details dialog</i> <i>box</i> , page 49.
	Network Licenses	Opens the <b>Network Licenses</b> page in the display area, which lists all available network licenses.
	Network License Users	Opens the <b>Network License Users</b> page in the display area, which lists all users on the local network using network licenses.
	Dongle List	Displays a dialog box where all connected dongles are listed.
License menu		
	The menu contains these commands:	
	Activate License	Starts the License Wizard to activate a license using a license number.
	Use Network License	Starts the License Wizard to start using a network license from a license server.
	Get Evaluation License	Starts the License Wizard to get an evaluation license.
	License Details	Displays the License Details dialog box, see <i>License Details dialog box</i> , page 49.
	Servers	Displays the <b>Servers</b> dialog box which lists all automatically identified servers and manually added servers. See <i>Servers dialog box</i> , page 51.

	Check for License Renewal	Displays the <b>Check for License Renewals</b> dialog box, see <i>Check for License Renewals dialog box</i> , page 48.
	License Transfer	Displays the <b>License Transfer</b> dialog box where you can select a PC-locked license that you want to transfer to another computer. Note that this command can only be performed a limited number of times per year.
	Offline Activation	Starts a wizard for activating your license when your license server cannot access the internet.
		For more information, see <i>Activating your license while offline</i> , page 26.
	Offline License Transfer	Displays a dialog box where you can choose to deactivate your license even if your computer is not connected to the internet. Typically, you do this if you want to transfer your license to another computer.
		For more information, see <i>Transferring your license to another computer while offline</i> , page 31.
Tools menu		
	The menu contains these co	ommands:
	Options	Displays the <b>Options</b> dialog box, where you can re-enable all previously suppressed dialog boxes.
	Extract Optional Packages	Extracts source code libraries that were delivered with your product.
Windows menu		
	The menu contains this con	nmand:
	Close	Closes the currently selected page in the display area of the IAR License Manager main window.

# Help menu

The menu contains these commands:

Collect Diagnostic Information	Displays the <b>Collect Diagnostic Information</b> dialog box and starts collecting diagnostic information. The progress is displayed in the dialog box. When finished, click <b>Explore Results</b> to view the information. Typically, this information can be useful if you contact IAR support.
Installation and Licensing Quick Reference	Opens the <i>Installation and Licensing Quick Reference</i> booklet as a PDF.
Licensing Guide	Opens the Licensing Guide as a PDF.
About	Displays information about the IAR License Manager.

# Context menu (product list)

This context menu is available on the Product List page:



These commands are available:

License Details	Displays the <b>License Details</b> dialog box, see <i>License Details dialog box</i> , page 49.
Check in	Checks in a network license which you previously have checked out with commuter authorization.
Check out	Checks out a network license with commuter authorization which means you can use it as a PC-locked license for a limited time.

#### **Context menu (network licenses)**

This context menu is available on the Network License page:

Delete
--------

This command is available:

Delete

Deletes the selected network license from the server. This can only be performed on the license server computer.

# Available Renewals dialog box

The **Available Renewals** dialog box is displayed when the **Check selected licenses** button has been clicked in the **Check for License Renewals** dialog box.

A	vailat	ole Renewals		×
		License Number	Product Comment	
		8888-321-048-3856	visualSTATE Premium Open all, Baseline Edition Already up-to-date	
	Y	8888-520-010-2052	IAR Embedded Workbench for Texas Instruments MSP430 New license type: Time-limited license	
			Renew selected Cancel	

This dialog box lists any new versions available for the licenses selected in the **Check** for License Renewals dialog box.

The IAR License Manager contacts IAR Systems to check whether the local licenses are up to date. If there are any new versions available, you will get the opportunity to renew them.

See also Renewing a network license, page 34.

### **Display** area

Lists licenses in these columns:

Checkbox	Select the license you want to renew
License Number	The license number for the product.
Product	The name of the product.

	Comment	Information about the license.
Buttons		
	Renew selected	Renews the selected license.

# **Check for License Renewals dialog box**

The **Check for License Renewals** dialog box is available from the **View** menu in the IAR License Manager.

0	heck for	License Renewals		X				
	Check	License Number	Product Expiry	Date Comment				
		8888-354-417-3390 8888-501-058-4006	IAR Embedded Workbench for ARM IAR Embedded Workbench for M16C and R8C	Network license on this server (SEUPI Network license on this server (SEUPI Network license on this server (SEUPI				
		8888-520-010-2052 8888-224-483-7900	IAR Embedded Workbench for Texas Instruments MSP430 Time-li IAR Embedded Workbench for ARM	mited Must be renewed on the server SEUP				
	J∢ ₩ >							
	Show unused licenses  Cancel  Cancel							

This dialog box lists the currently used license for each installed IAR Systems product on the local machine, and the installed licenses on the local license server (if any).

See also Renewing a network license, page 34.

### **Display area**

Lists licenses in these columns:

Check	Select the license for which you want to check for new licenses and click <b>Check selected licenses</b> . The <b>Available Renewals</b> dialog box is displayed if there are any new licenses.
License Number	The license number for the product.
Product	The name of the product.
Expiry Date	The date for the license expiration.
Comment	Information about the license.

#### Show unused licenses

Lists also unused licenses, in other words, licenses that are not currently selected for use. Typically, this option can be useful if you are using a temporary license that you have received from IAR Systems support. When you receive an update, you must select this option before you can select your ordinary license for renewal.

#### Buttons

Check selected licensesChecks whether there are any new licenses available for<br/>the licenses selected in the Check column.

# License Details dialog box

The License Details dialog box is displayed when you double-click on a selected product in the **Product List** in the IAR License Manager.

elected license:								OK
Standalone license - Test product EWTEST1 1.01								Cancel
Description:							Commuter	
License Type: Standalone license	e							Charle Out
Lisense number: 9999-210-220	2110							
License number: 0000-219-320-	-2110							Check In
Locking criteria: Dongle								
Looking criteria: Dongie								
Coloritoria de Cara								Transfer Lisense
Selected package file: C:\ProgramData\IARSystems\I	icenseManagement\l icensePa	ackages\TE	ST1\FW\1\Stand	alone license - T	Test product EV	/TEST1 1.01 00.package		Transfer License
Selected package file: C:\ProgramData\IARSystems\L	LicenseManagement\LicensePa	ackages\TE	ST1\EW\1\Stand	alone license - 1	est product EV	/TEST1 1.01_00.package		Iransfer License
Selected package file: C:\ProgramData\IARSystems\L eatures:	LicenseManagement\LicensePa	ackages\TE	ST1\EW\1\Stand	alone license - 1	est product EW	/TEST1 1.01_00.package		Iransfer License Hide replaced licenses
Selected package file: C:\ProgramData\IARSystems\L eatures: Feature	LicenseManagement\LicensePa	ackages\TE	ST1\EW\1\Stand	alone license - 1	est product EW	/TEST1 1.01_00.package		Iransfer License Hide replaced licenses
Selected package file: C:\ProgramData\JARSystems\L eatures: Feature IAR C/C++ Compiler for TEST1	LicenseManagement\LicensePa Feature Name TEST1.EW.COMPILER_STD	ackages\TE	ST1\EW\1\Stand	alone license - T License Type Standalone	est product EW Expires PERMANENT	/TEST1 1.01_00.package Status OK		Iransfer License Iransfer License
Selected package file: C:\ProgramData\LARSystems\L eatures: Feature IAR C/C++ Compiler for TEST1 IAR Debugger for TEST1	Feature Name TEST 1.EW. COMPILER_STD TEST 1.EW.OEBUGGER_STD	ackages\TE	ST1/EW\1\Stand	alone license - 1 License Type Standalone Standalone	est product EV Expires PERMANENT PERMANENT	/TEST1 1.01_00.package Status OK OK		Iransfer License
Selected package file: C:\ProgramData\LARSystems\L eatures: Feature LAR C/C++ Compiler for TEST1 LAR Debugger for TEST1 LAR Library Source for TEST1	LicenseManagement\LicensePa Feature Name TEST 1.EW.COMPILER_STD TEST 1.EW.DEBUGGER_STD TEST 1.EW.LIBSRC_STD	Ackages \TE           Version           1.01           1.01           1.01           1.01	EST1/EW\1\Stand	alone license - T License Type Standalone Standalone Standalone	Expires PERMANENT PERMANENT PERMANENT	/TEST1 1.01_00.package Status OK OK OK		Iransfer License
Selected package file: C:\ProgramData\IARSystems\ eatures: Feature IAR C/C++ Compiler for TEST1 IAR Library Source for TEST1 IAR Library Source for TEST1 IAR Linker for TEST1	icenseManagement\LicensePa Feature Name TEST1.EW.COMPILER_STD TEST1.EW.LIBSRC_STD TEST1.EW.LIBSRC_STD TEST1.EW.LINKER_STD	Version   1.01 1.01 1.01 1.01 1.01 1.01	EST1/EW\1\Stand	alone license - 1 License Type Standalone Standalone Standalone Standalone	est product EW Expires PERMANENT PERMANENT PERMANENT PERMANENT	/TEST1 1.01_00.package Status OK OK OK OK		<u>I</u> ransfer License <b>I</b> r Hide replaced licenses
Selected package file: C:\ProgramData\LARSystems\L eatures: Feature IAR C/C++ Compiler for TEST1 IAR Linker for TEST1 IAR Linker for TEST1 IAR Linker for TEST1 IAR MISRA-C for TEST1	Feature Name TEST 1.EW. COMPILER_STD TEST 1.EW. DEBUGGER_STD TEST 1.EW.LIBSRC_STD TEST 1.EW.LINKER_STD TEST 1.EW.LINKER_STD	Version           1.01           1.01           1.01           1.01           1.01           1.01           1.01	EST1/EW\1\Stand	License - 1 License Type Standalone Standalone Standalone Standalone Standalone	Expires PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	/TEST1 1.01_00.package Status OK OK OK OK OK		Iransfer License
Selected package file: C:\ProgramData\LARSystems\L eatures: Feature IAR C/C++ Compiler for TEST1 IAR Debugger for TEST1 IAR Library Source for TEST1 IAR Linker for TEST1 IAR MISRA-C for TEST1	LicenseManagement/LicensePa Feature Name TEST 1.EW.COMPILER_STD TEST 1.EW.UEBUGGER_STD TEST 1.EW.LIBSRC_STD TEST 1.EW.LINKER_STD TEST 1.EW.MISRAC_STD	Version           1.01           1.01           1.01           1.01           1.01           1.01           1.01	EST1/EW\1\Stand	license Type Standalone Standalone Standalone Standalone Standalone Standalone	Expires PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT PERMANENT	/TEST1 1.01_00.package Status OK OK OK OK OK		Iransfer License

Use this dialog box to choose between available licenses and to get detailed information about the selected license.

#### Selected license

Lists all licenses that you have activated for this product and available network licenses. Select the license that you want to use.

Description		
	Lists detailed information	ion for the selected license.
Features		
	Displays all licensable	features in the product and their license status in these columns:
	Feature         The name of the feature	
	Feature name	The internal feature name.
	Version	The feature version of the installed product component.
	License Version	The version of the license. It must be greater than or equal to the version of the installed feature.
	License Type	The license type.
	Expires	Can be either:
		• The expiration date, for time-limited licenses
		• Permanent, for permanent licenses.
	Status	The status of the license; either OK or an error message.
Buttons		
	These buttons are avail	able:
	Check Out	Checks out a network license with commuter authorization which means you can use it as a PC-locked license for a limited time.
	Check In	Checks in a network license which you previously have checked out with commuter authorization.
	Transfer License	Deactivates the selected license, which means that you can activate it on another computer. Note that this command can only be performed a limited number of times per year.
Hide replaced lic	enses	

Hides replaced licenses. A license is replaced when you renew your licenses, for example when you replace the startup license with the permanent license or when you activated a later version. Note that the replaced licenses are still available.

# Servers dialog box

To open the Servers dialog box, choose License>Servers in the IAR License Manager.

Servers	×
I Use broadcasts to find servers	
Found servers:	
SEUPP-LICENSE4 SEUPP-LICENSE5	4 III
J Manually added servers:	-
	Add
	Edit
	<u>R</u> emove
ОК	Cancel

Use this dialog box to manually point out license servers that the IAR License Server for some reason does not automatically detect.

Note that manually added non-existing servers will seriously increase response times in the IAR License Manager.

#### Use broadcasts to find servers

Enables broadcasts to find servers automatically on a subnet. If you disable this option, you must manually add the servers that you want to use. All references to automatically found servers will be removed.

# **Found servers**

Lists automatically detected license servers.

#### Manually added servers

Lists manually added license servers.

#### **Buttons**

These buttons are available:

Add

Adds a license server to the list. Click **Add** and type the name or IP number of the license server that you want to add. EditEdits the name of an already added license server. Select a<br/>license server and click Edit to edit the license server.RemoveRemoves an already added license server. Select a license server<br/>and click Remove to remove the license server.

# **Licensing concepts**

This chapter lists terms related to licensing.

### **Commuter authorization**

A network license that you can check out from the server and use as a PC-locked license for a limited time.

### Entitlement

The features your license entitles you to. In other words, the features that will be enabled and the period they can be used for.

### **Evaluation license**

A free license that is limited in time or in function. For a time-limited evaluation license, the same product version can only be evaluated once on a specific computer.

### Feature

A feature in the installed software that is enabled or disabled depending on the entitlement in your license. There is a license key for each feature.

### License activation

The procedure to get the license keys from IAR Systems.

### License key

A string that contains information that allows the license to verify your entitlements.

### License number

A unique identifier of a license, which is used in the license activation and in contact with IAR Systems support.

### License package

License keys and license information stored in a file. A license package is created on your computer when you activate a license.

#### License registration

All licenses must be registered with IAR Systems. During registration, contact information about the license owner is collected, most notably the email address. At the end of the registration process an email is sent to the registered address to verify that it is correct.

### License server

A PC with the IAR License Server installed.

### License transfer

Deactivating a license and returning it to IAR Systems, to be able to reactivate it on another computer.

#### **Mobile licence**

A single-user license that is locked to a dongle, and thus can be used on any computer where the product is installed when the dongle is connected.

### **Network license**

A multi-user license that is located on a license server computer. This license can be used by any computer on the local network.

### **Offline activation**

License activation requires the IAR License Manager to connect to IAR Systems over the internet. If that is not possible, there is a backup routine called *Offline activation*.

### **PC-locked license**

A single-user license that is locked to the computer hardware and can be used on this computer only.

### **Permanent license**

A license without a time limit.

### Product

The product is what you have bought from IAR Systems. In addition to the software you have installed, the documentation, and optionally a dongle, it is a license package that entitles you to use a number of the features in the software.

### Startup license

A time-limited license that you get immediately when you activate your newly purchased product.

# Α

Activate License (License menu)
activating license
network
while offline
Available Renewals dialog box

# В

bold style, in this guide	7
broadcast	12

# С

Check for License Renewal (License menu)45
Check for License Renewals dialog box
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