FAR 23 LOADS 6.1 Network/Local License Installation

1 Introduction

DARcorporation uses the Wibu-Systems CodeMeter technology for the FAR 23 LOADS software licensing. CodeMeter stores the software license securely in CmActLicnse, a computer-bound license file, or a USB dongle CmDongle, hardware-based security.

The license is saved in a special file that is bound to the hardware of the target computer or stored securely in a CmDongle. The CmDongle device embeds a smart card chip, which offers additional security to CodeMeter technology. The designated target computer, referred as the license server, can provide license access locally or on a network. All computers running FAR 23 LOADS must be able to access the license server where FAR 23 LOADS uses the license server CodeMeter Runtime Server (CodeMeter.exe). On Windows, this server can be started as a system service or as an application.

The license server is a computer with the CodeMeter Runtime software installed and is additionally running the CodeMeter Runtime Server process. CodeMeter Runtime License Server is protocol based (TCP/IP), so it requires TCP/IP support of the network and a proper installation of TCP/IP on the server and all client machines. Port 22350 must be opened for TCP and UDP use. The client machine is a computer on which FAR 23 LOADS runs. The client machine and the license server can be the same machine if FAR 23 LOADS were to run locally.

The number of licenses can be increased or decreased in a simple fashion by contacting DARcorporation. No new hardware is needed; a file can be exchanged via Internet or e-mail to change the CodeMeter license contents.

We recommend reading through the complete document first and then following the installation steps of Section 2.

2 Install Procedure

You must have administrative rights to complete the following steps. Installing the software with license(s) on a network or locally consists of the following steps:

- STEP 1 Close any programs that are running on the computer where the software is being installed.
- STEP 2 Download and save CodeMeter Runtime installer using this link https://tinyurl.com/3uy4rmdx
- STEP 3 Right-click on the CodeMeter Runtime installer and select **Run as administrator.** Setup window shown in Figure 2.1 will pop up.



Figure 2.1 CodeMeter Runtime Kit Setup Window

STEP 4 Use default settings in Custom Setup during CodeMeter Runtime Kit Setup (See Figure 2.2). For computer designated as license server for a network environment, select to install the Network Server and Remote access to WebAdmin options.

🖟 CodeMeter Runtin	ne Kit v7.51 Setup		—		×
Custom Setup Select the way you	u want features to be insta	lled.			
Click the icons in t	ne tree below to change th	e way features v	vill be installed.		
	odeMeter Runtime Kit ↓ Network Server ↓ WibuShellExtensior ↓ User Help	This features i Runtime Kit on	nstalls the Code your computer	eMeter '.	
	 Automatic server s Remote access to \ 	This feature re drive. It has 3 The subfeatur hard drive.	equires 75MB or of 5 subfeatur es require 26MI	n your hard es selected B on your	i i.
				Browse.	
Re <u>s</u> et	Disk <u>U</u> sage	<u>B</u> ack	<u>N</u> ext	Cano	el

Figure 2.2 CodeMeter License Information File

STEP 5 Download and save LicTemplateDisc.WibuCmLIF file (See Figure 2.3) provided via e-mail attachment. If CodeMeter license has been processed, skip to Step 14.



Figure 2.3 CodeMeter License Information File

STEP 6 Launch CodeMeter Control Center. Then drag and drop the saved LicTemplateDisc.WibuCmLIF file on the CodeMeter Control Center window (See Figure 2.4).



Figure 2.4 Load CodeMeter License Container into CodeMeter Control Center

STEP 7 A message will indicate the license import is successful (See Figure 2.5).



Figure 2.5 Successful Import of CodeMeter License Container into CodeMeter Control Center

STEP 8 Click on the License Update button (See Figure 2.6).

S CodeMeter Control Center			×
<u>File Process View H</u> elp			
License Events			
DARcorporation 130-4265828763	Name: DARcorporation Serial: 130-4265828763 Version: CmActLicense 3.00		
CodeMeter service is running.	Status: Status Empty license container	Web	Admin

Figure 2.6 License Update for CodeMeter Control Center

STEP 9 Follow the onscreen CmFAS Assistant dialog to create a license request.

STEP 10 Specify the location to save the WibuCmRaC License Request file (See Figure 2.7) and then click on Commit button.

Note: Keep the serial number. XXXXX would be your company/name and YYYYY would be the date of request made. E.g. Feb-01-2023.



Figure 2.7 Save WibuCmRaC File using CmFAS Assistant

STEP 11 Once the *.WibuCmRaC License Request file is generated, please e-mail it to support@darcorp.com. You will then receive (via e-mail) a License Update file *.WibuCmRaU to complete the license installation.

STEP 12 Launch CodeMeter Control Center. Then drag and drop the saved *.WibuCmRaU file on the CodeMeter Control Center window (See Figure 2.8).



Figure 2.8 Load CodeMeter License Container into CodeMeter Control Center

STEP 13 A message will indicate the license has imported successfully.



Figure 2.9 CodeMeter License Container successfully imported

STEP 14 Download your purchased software using the link(s) (via e-mail) and run the installer(s) with right-click Run as Administrator option.

STEP 15 Proceed with FAR 23 LOADS installation wizard as shown in Figure 2.10. Install Acrobat Reader to read the manuals. Only Acrobat or Acrobat Reader can open the Theory and Examples manual.

5 FAR 23 LOADS - InstallShiel	d Wizard	×
-	Welcome to the InstallShield Wizard for FAR 23 LOADS	
FAR 23 LOADS	The InstallShield(R) Wizard will install FAR 23 LOADS on your computer. To continue, click Next.	
DAR	WARNING: This program is protected by copyright law and international treaties.	
DAKcorporation		
	< Back Next > Cancel	

Figure 2.10 FAR 23 LOADS Installation Window

STEP 16 During FAR 23 LOADS installation, please select **Anyone who uses this computer**

(all ı	users)	option	when	prompted	(See	Figure	2.11).
--------	--------	--------	------	----------	------	--------	--------

InstallShield	Wizard	×
Ready to Ins	tall the Program	
The wizard is	ready to begin installation.	
If you want t exit the wiza	to review or change any of your installation settings, click Back. Click Cancel to rd.	
Install this ap	oplication for:	
(Anyone who uses this computer (all users)	
(Only for me	
InstallShield		
	< Back Install Cancel	

Figure 2.11 FAR 23 LOADS Installation Option

STEP 17 SmartShelter PDR Reader must be installed to read FAR 23 LOADS manual PDF. Choose "Typical" for the setup type to continue the installation as shown in Figure 2.12.

🛃 Smar	tShelter PDF Reader 6	64 Bit V22.4.51	184.500 Setu	ıp	_		×
Choo Choo	se Setup Type ose the setup type that	best suits you	r needs				
	Typical Installs the most o	common progra	m features. F	lecommende	ed for mos	t users.	,
	Custom Allows users to ch they will be install Complete All program featur	oose which pro ed. Recommen res will be insta	gram feature ded for advar lled. Requires	es will be inst nced users. the most di	talled and sk space.	where	
			<u>B</u> ack	Nex	t	Ca	ncel

Figure 2.12 SmartShelter PDF Reader Setup Window

STEP 18 Install and run FAR 23 LOADS, with CodeMeter Runtime installed, on any computer on the network.

3 CodeMeter Software

When the CodeMeter Control Center software is installed on the server or client computer, a program icon is added to the Windows Start Menu. This icon executes the CodeMeter Control Center software.

The program shows the contents of the CodeMeter license (see Figure 3.1), CodeMeter service status (lower left corner) and the option to launch the WebAdmin user interface.

O	CodeMeter Control Center – 🗖 🗙
<u>File Process View H</u> elp	
License Events	
DARcorporation 130-3236551464	Name: DARcorporation Serial: 130-3236551464 Version: CmActLicense 3.00
	Status: Status License activated
CodeMeter service is running.	WebAdmin

Figure 3.1 CodeMeter Control Center

After the CodeMeter service has started, the Events tab can be displayed showing network activity (see Figure 3.3).

CodeMeter Control Center	_		>
e <u>P</u> rocess <u>V</u> iew <u>H</u> elp			
License Events			
2023-03-29 10:39:49: Used IP address: 127.0.0.1			
2023-03-29 10:39:49: Used IP port: 22350			\sim
2023-03-29 10:39:49: Used CmWAN port: 22351			
2023-03-29 10:39:49: Run as network server: no			
2023-03-29 10:39:49: Run as CmWAN server: no			
2023-03-29 10:39:49: Run as system service: yes			
2023-03-29 10:39:49: Service startup delay: 0:55 minutes			
2023-03-29 10:39:49: TMR-Mode: disabled			
2023-03-29 10:39:49: Box Access: use direct access mode			
2023-03-29 10:39:57: The list of available CmContainers has been updated!			
2023-03-29 10:39:57: The list of available CmContainers has been updated!			
2023-03-29 10:39:57: HashTree opened ok.			
2023-03-29 10:39:57: The list of available CmContainers has been updated!			
2023-03-29 10:39:57: The list of available CmContainers has been updated!			
2023-03-29 10:39:57: Server ready			
2023-03-29 10:39:57: Startup duration: 9 seconds			
2023-03-29 12:22:52: Access from local(IPV4) to SubSystem (Handle 18)			
2023-03-29 12:22:52: Handle 18 released			\sim
<		>	
· · · · · · · ·			
odeMeter service is running.		WebA	dmir

Figure 3.3 CodeMeter License Server Network Activity Log

Normally, no special configuration changes are needed on the client side to access CodeMeter Runtime License Server. Click on the WebAdmin button to launch the WebAdmin browser user interface. CodeMeter WebAdmin is based on HTML code including Javascript. A client computer browses the local network or local computer for a suitable CodeMeter server. For FAR 23 LOADS the "Configuration | Basic Configuration | Server Search List" tab is important. On the Basic Configuration Server Search List (see Figure 3.4) a specific license server name or IP address can be added. Under "Configuration | AdvancedConfiguration | Extra" tab (see Figure 3.5), the default TCP/IP port 22350 can be changed, if this number conflicts with port numbers used by other TCP/IP applications. Changing the port number must be done by the CodeMeter Control Center at the server side and on all clients where a CodeMeter license server access is desired.



Figure 3.4 CodeMeter WebAdmin Basic Configuration

	CodeMeter Web	Admin	C⊶
hboard Container ~	License Monitoring 🗸 Diagnosis 🗙	 Configuration ~ 	Info 📌
Advanced Configuration	Extra	• •	English (US)
CodeMeter Time Serv	rer Trusted WebSocket Origins	Extra	
-API-Communicat	ion-Mode		
☑ IPv4			
☑ IPv6			
Shared Memory			
			Edit
Changes require restart	of the CodeMeter service		
Network Advance	ed		
Network Port:	22350		
Network Timeout:	100 Seconds		
UDP Waiting Time:	1000 Milliseconds		
			Edit

Figure 3.5 CodeMeter WebAdmin Advanced Configuration

As part of the CodeMeter software installation, CodeMeter WebAdmin (see Figure 3.6) is included to monitor FAR 23 LOADS activities with CodeMeter.

	U	CodeMete	er WebA	dmin	C⊶
Dashboard	Container ~	License Monitoring ~	Diagnosis 🗸	Configuration ~	Info 📌
Sessions Sessions				0	📕 English (US) 🗡
Session	S				
Client	CmContainer	Firm Item	Product Item	Acces	is Mode
No session d	ata available				

Figure 3.6 CodeMeter License Monitoring

Launch CodeMeter WebAdmin from CodeMeter Control Center and click "License Monitoring | Sessions" to launch the CodeMeter License Monitoring.

4 Troubleshooting

The CodeMeter software has an extensive help system built-in. Select the help from: Windows Start > CodeMeter > CodeMeter User Help

The help has an FAQ with common questions and problems. Other common problems are:

Problem:	Unable to access CodeMeter WebAdmin page
Solution:	$Go \ to \ Windows > Start > Code Meter \ to \ launch \ Code Meter \ Control \ Center \ and \ then$
	click on WebAdmin button to open CodeMeter WebAdmin page
Problem:	Unable to access software license on CodeMeter
Solution:	Verify the license server IP address is listed at the bottom of CodeMeter WebAdmin
	page
Problem:	CodeMeter License Server not available
Solution:	Check if the CodeMeter service is running on CodeMeter Control Center
Problem:	FAR 23 LOADS keeps looking for a CodeMeter license but cannot find it.
Solution:	$Check \ if \ the \ license \ server \ name/IP \ address \ is \ correct \ in \ the \ Code Meter \ WebAdmin$
	page. Change the server name into the actual IP address of the license server in the
	WebAdmin page. Restart the CodeMeter service in CodeMeter Control Center at
	the server and client computer.
Problem:	When installing FAR 23 LOADS software, an error 1721 pops up.
Solution:	Installing FAR 23 LOADS software requires an administrator account or user with
	administrative rights. With a non-administrative user account, right-click on the
	installer, select Run as administrator and provide the administrative credentials.

Problem: The Theory and Examples Manual PDF asks for password when I try to open it.
 Solution: There is no actual password. SmartShelter defaults to the password request when it cannot detect a license or after a recent update to Acrobat Acrobat Reader. Adobe Acrobat Reader must be used to open the Manual. Download the free Acrobat Reader from here. If Acrobat Reader is installed <u>after</u> installing FAR 23 LOADS SmartShelter PDF Reader, SmartShelter PDF Reader needs to be un-installed and re-installed. Download a fresh copy of Wibu-Systems SmartShelter PDF Reader from here.

Adobe Reader Sandbox Protections settings prevent the manual from opening. To work around that, launch Acrobat Reader and go to Edit > Preferences > Security (Enhanced) and look under Sandbox Protections. Uncheck box for Enable Protected Mode at startup. Click Yes to continue and restart Acrobat Reader.

- **Problem**: When using software, a Run-time error 55 or Run-time error 339 pops up stating: Component 'comdlg32.ocx', 'tabctl32.ocx' or one of its dependencies not correctly registered.
- Solution: The permission setting of the said ocx is the cause of the error message. Download FAR23LOADS OCX zip file from <u>here</u>. Unzip the file to C:\Windows\System, right-click on install.bat and select Run as administrator.

5 **Reporting Software Errors**

We at DARcorporation want to know about potential errors in the software so that we may correct them as soon as possible. If you feel that you have encountered an error in the software user interface, license manager, module calculations or module calculation methods, software errors can be reported to the software support department at:

Phone:	(785) 832-0434
E-mail:	support@darcorp.com
Internet:	www.darcorp.com