

Turn Radius 300 [m] Turn Radius 450 [m] Turn Radius 600 [m] Turn Radius 900 [m]

SEP -200 [m/sec]
SEP -100 [m/sec]
SEP 0 [m/sec]
SEP 50 [m/sec]

APP 7.0

Network Installation

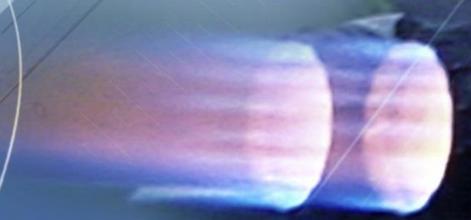
Manual

Load Factor 7
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APP

AIRCRAFT PERFORMANCE PROGRAM



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Aerospace

DARcorporation
Design • Analysis • Research

RUAG
Aerospace Defence Technology

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1 Introduction

ALR uses the Wibu-Systems CodeMeter technology for the APP software licensing. CodeMeter stores the software license securely in CmActLicense, 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 APP must be able to access the license server where APP 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 APP runs. The client machine and the license server can be the same machine if APP 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

- STEP 1 Choose a computer in the network to be the APP license server. This can be any computer in the network. If APP were to run locally only, the local computer is also the license server.
- STEP 2 Close any programs that are running on the computer where the software is being installed.
- STEP 3 Launch the provided APP software install with Run as administrator option and complete APP installation followed by CodeMeter Runtime installation. If needed, download and save CodeMeter Runtime installer separately using this link <https://tinyurl.com/3uy4rmdx>. Right-click on the CodeMeter Runtime installer and select **Run as administrator** if installing it separately.
- STEP 4 CodeMeter Runtime Setup window shown in Figure 2.1 will pop up.

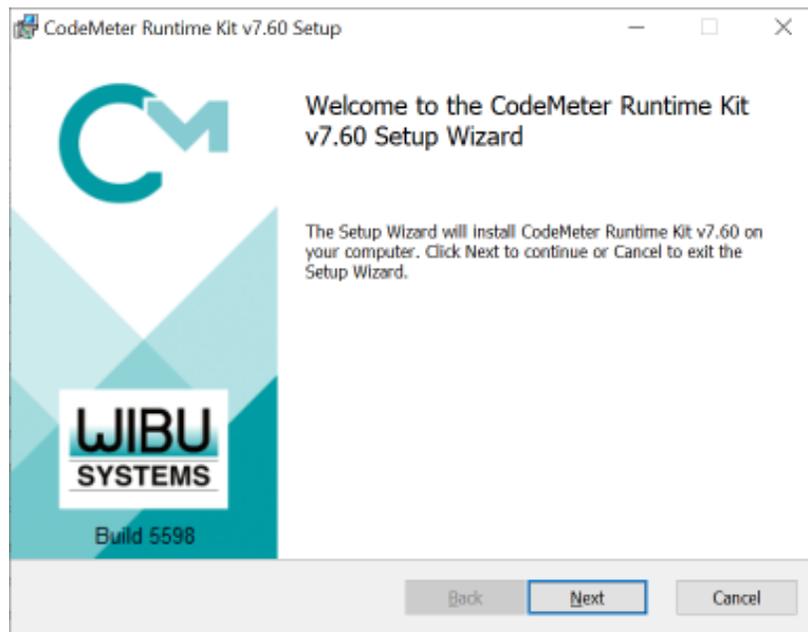


Figure 2.1 CodeMeter Runtime Kit Setup Window

STEP 5 Use default settings in Custom Setup during CodeMeter Runtime Kit Setup (see Figure 2.2). For computer designated as license server in a network environment, select to install the Network Server and Remote access to WebAdmin options.

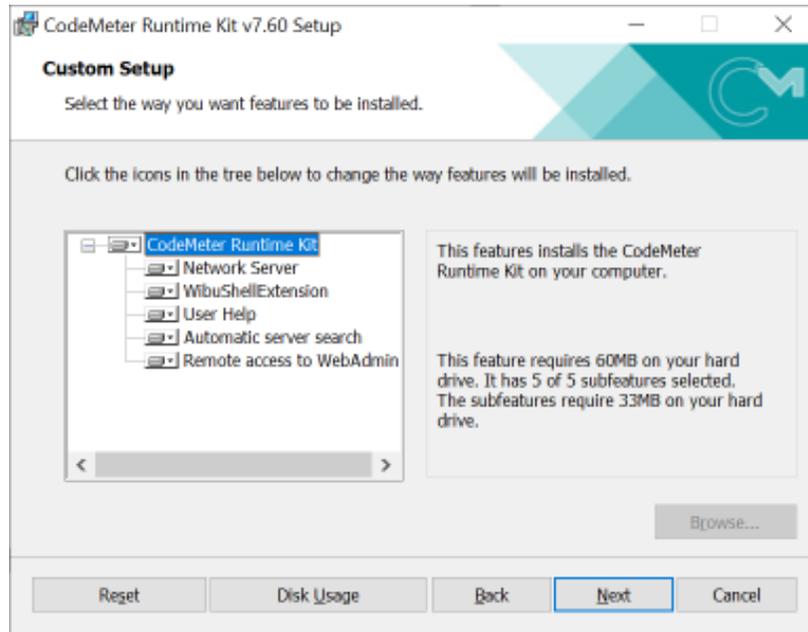


Figure 2.2 CodeMeter Runtime Kit Custom Setup

STEP 6 Install and run APP, 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.

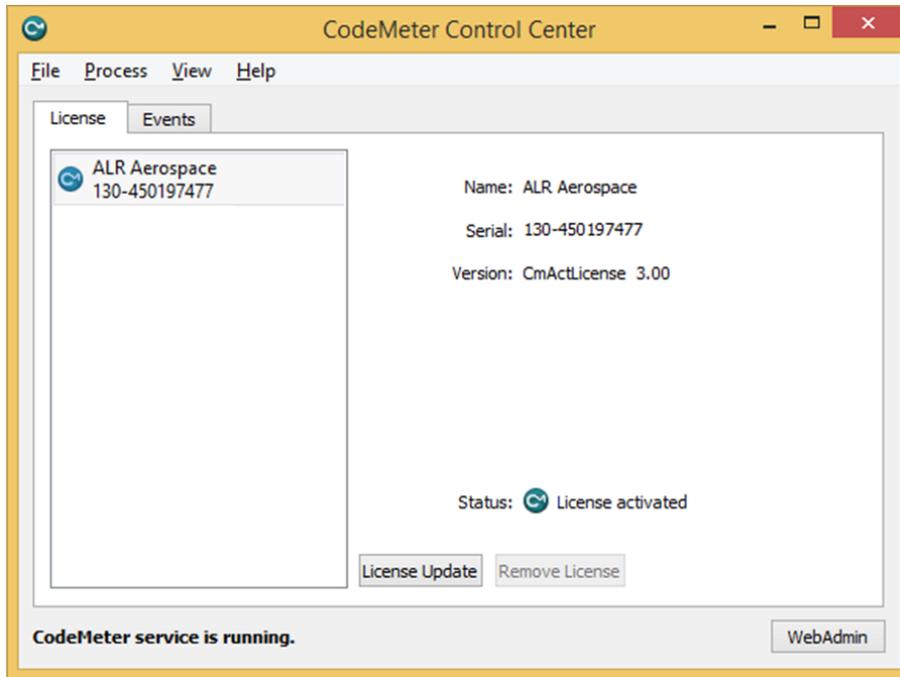


Figure 3.1 CodeMeter Control Center

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

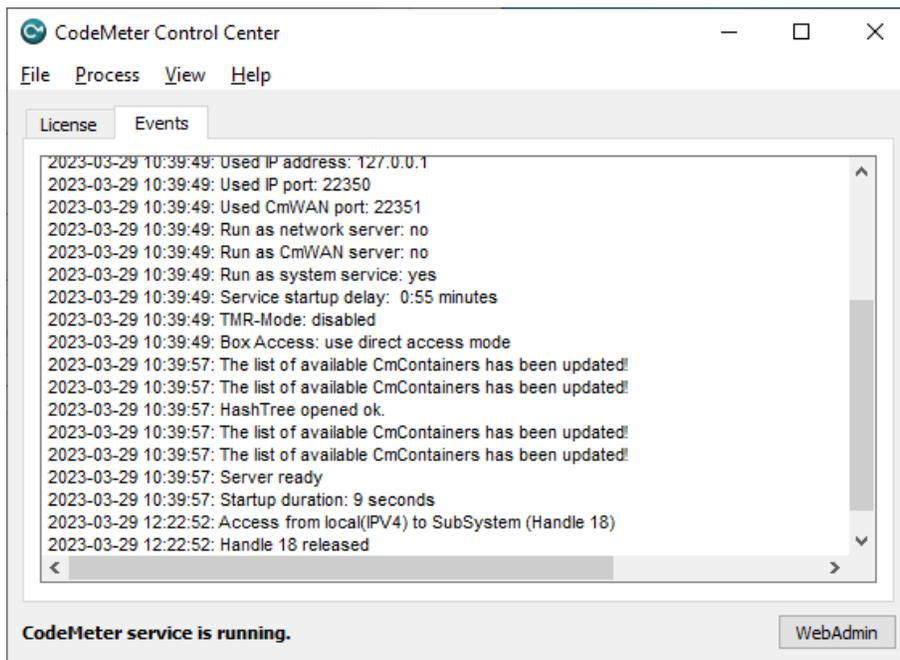


Figure 3.3 CodeMeter License Server Network Activity Log

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 APP 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 | Advanced Configuration | 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.

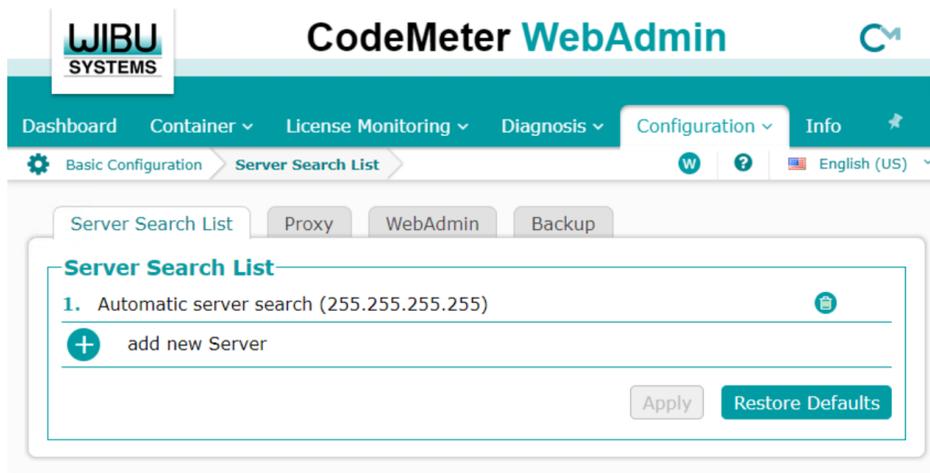


Figure 3.4 CodeMeter WebAdmin Basic Configuration

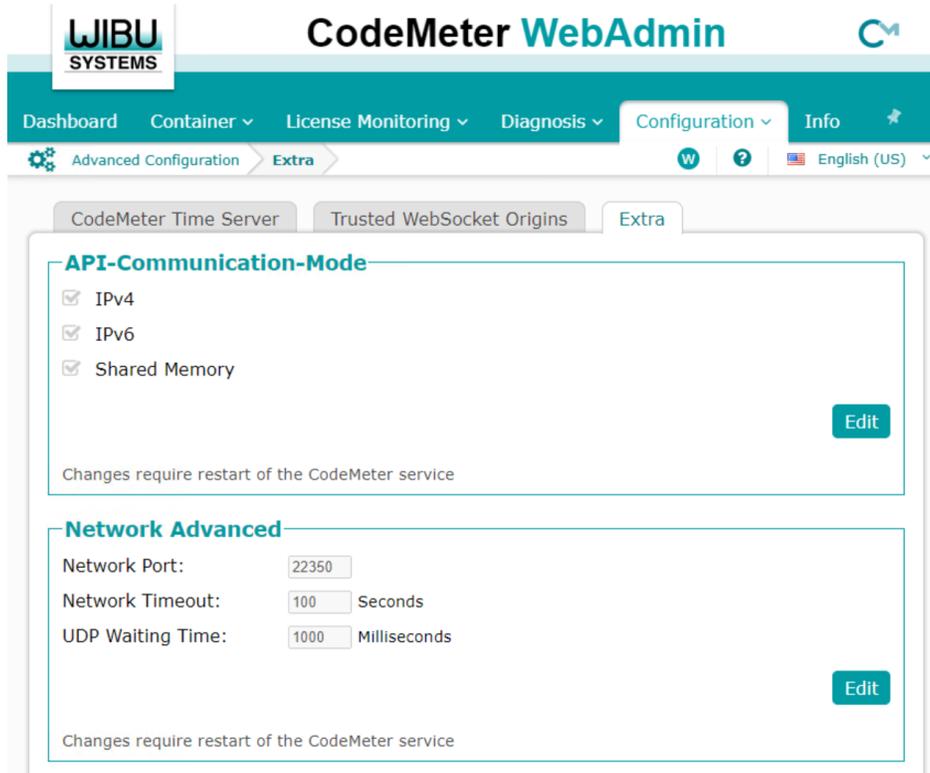


Figure 3.5 CodeMeter WebAdmin Advanced Configuration

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

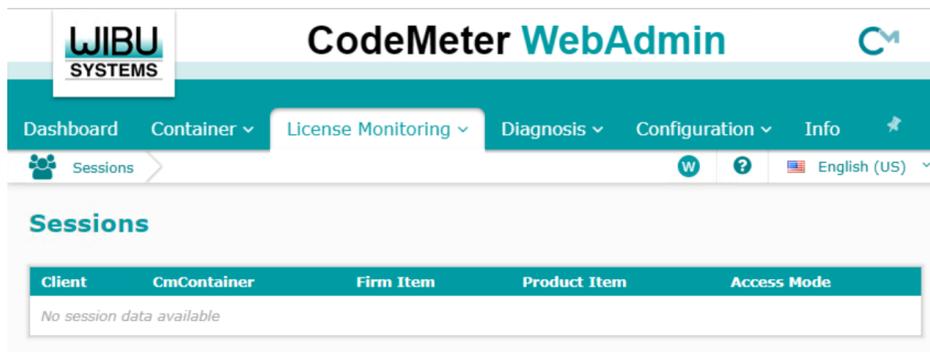


Figure 3.6 CodeMeter License Monitoring

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 > CodeMeter to launch CodeMeter Control Center and then click on a 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 and ensure (CodeMeter default) port 22350 is not blocked

Problem: CodeMeter License Server not available

Solution: Check if the CodeMeter service is running on CodeMeter Control Center

Problem: APP keeps looking for a CodeMeter license but cannot find it.

Solution: Check if the license server name/IP address is correct in the CodeMeter 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

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