

(Software Key Activate screen)

3.4.9 A Case of Using a Hardware Key in a Virtual Environment

This section describes the procedure for using a hardware key license on an DeviceXPlorer in a virtual environment.

*Example environment

Build a virtual environment (guest OS) in an environment with a USB port (host OS).

Install DeviceXPlorer in the virtual environment and activate using the hardware key.

The guest OS cannot use the host OS USB port.

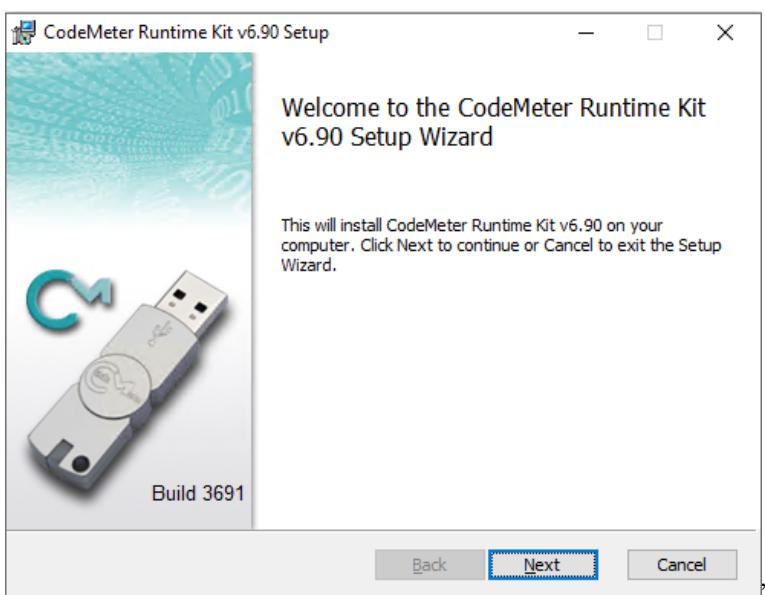
- (1) Install “CodeMeter Control Center” on the host OS.

CodeMeter Control Center must be installed, execute the following file included in the CD.

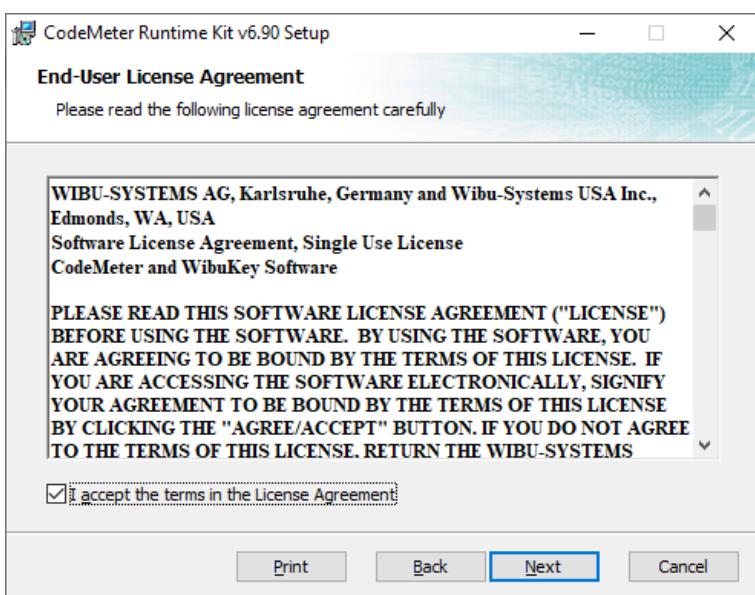
CodeMeter Control Center installation file path

Installation disk\Option\CodeMeterRuntime.exe

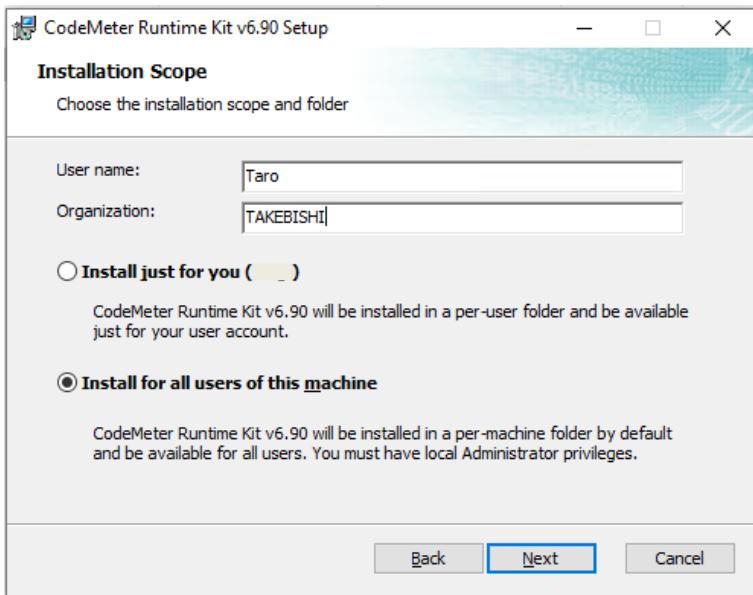
- (2) Click “Next”



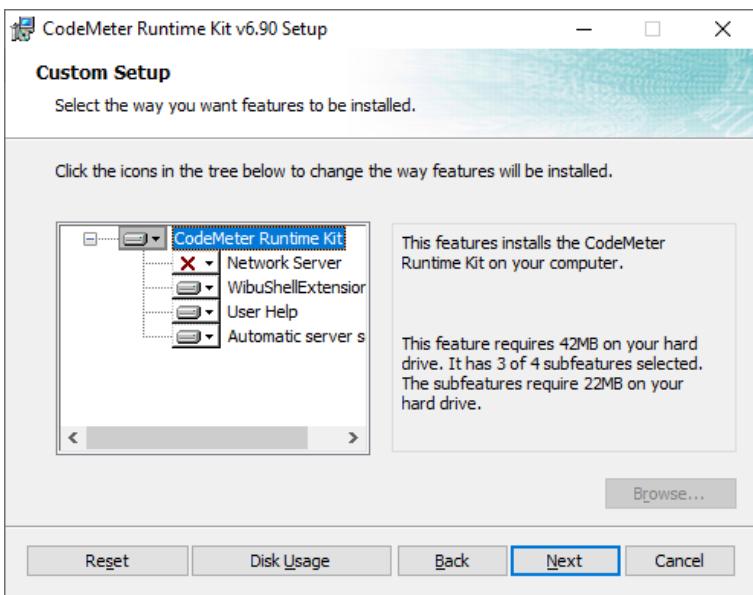
- (3) Check “I accept the terms in the License Agreement”, and click “Next”.



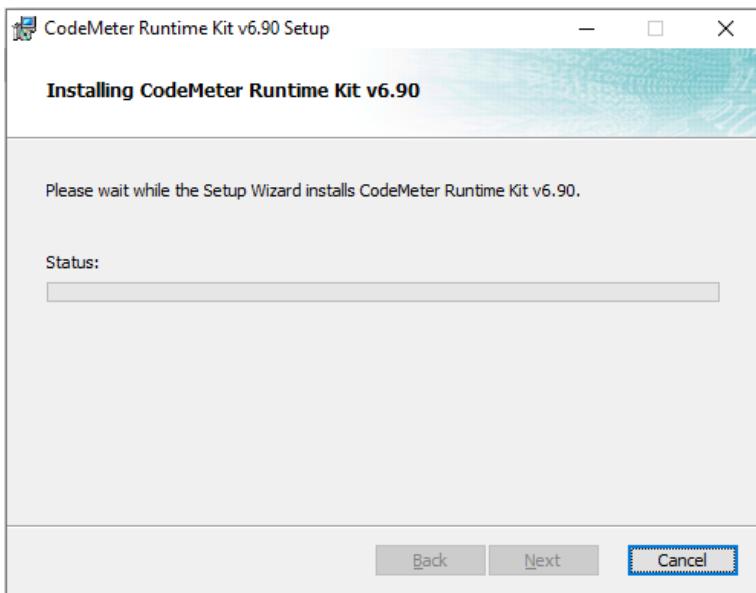
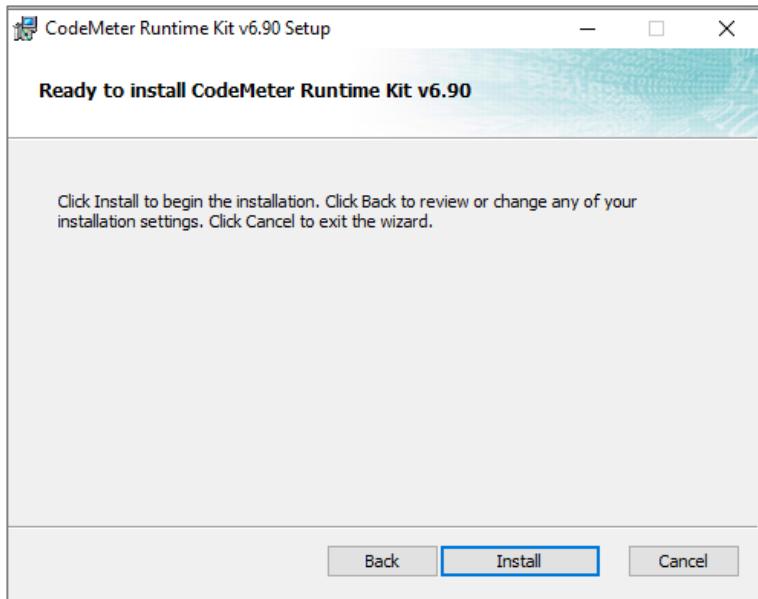
(4) Input the user information, select the appropriate item, and click “Next”.



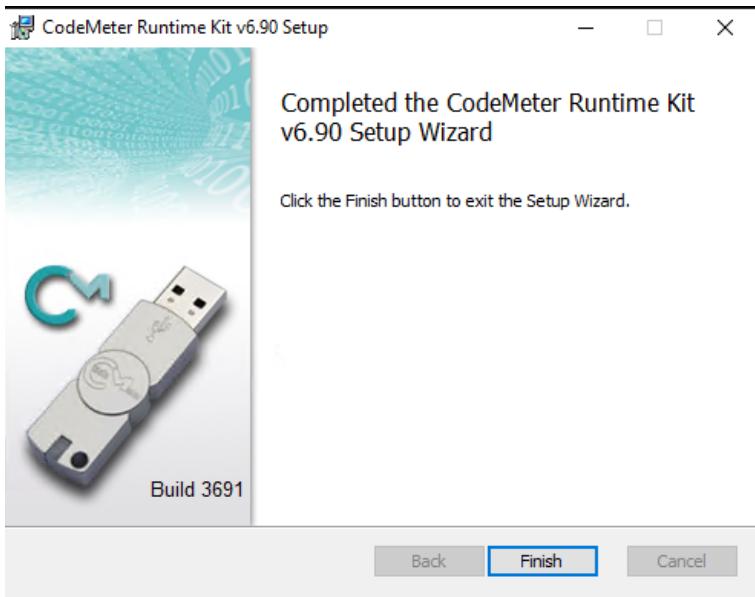
(5) Click “Next”.



(6) Click “Install”.



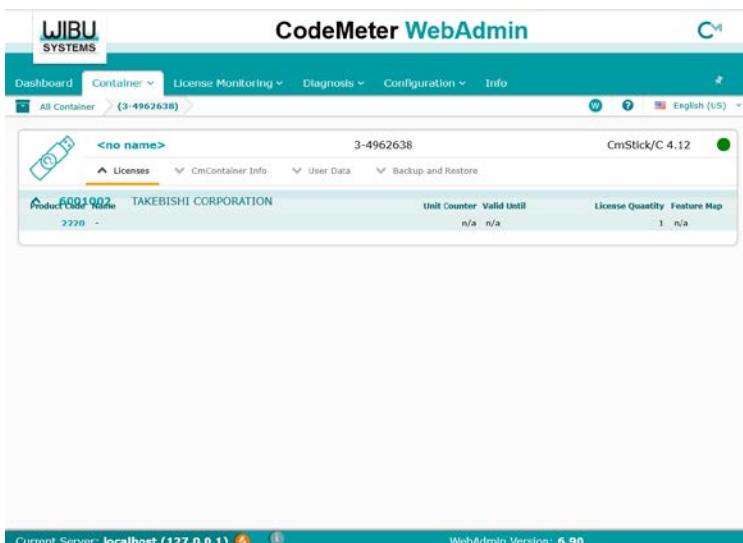
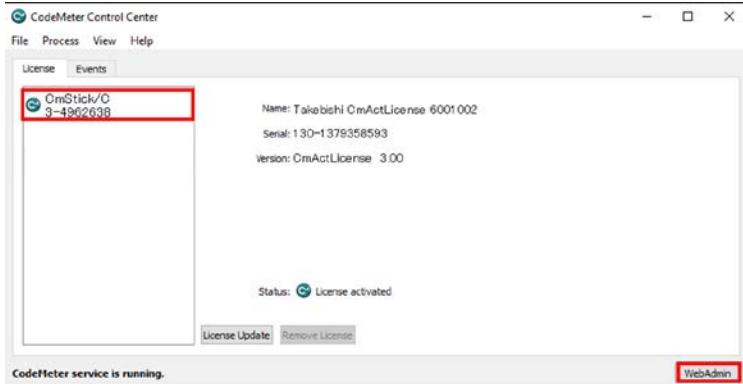
(7) the installation is complete, the following screen will be displayed. Click "Finish".



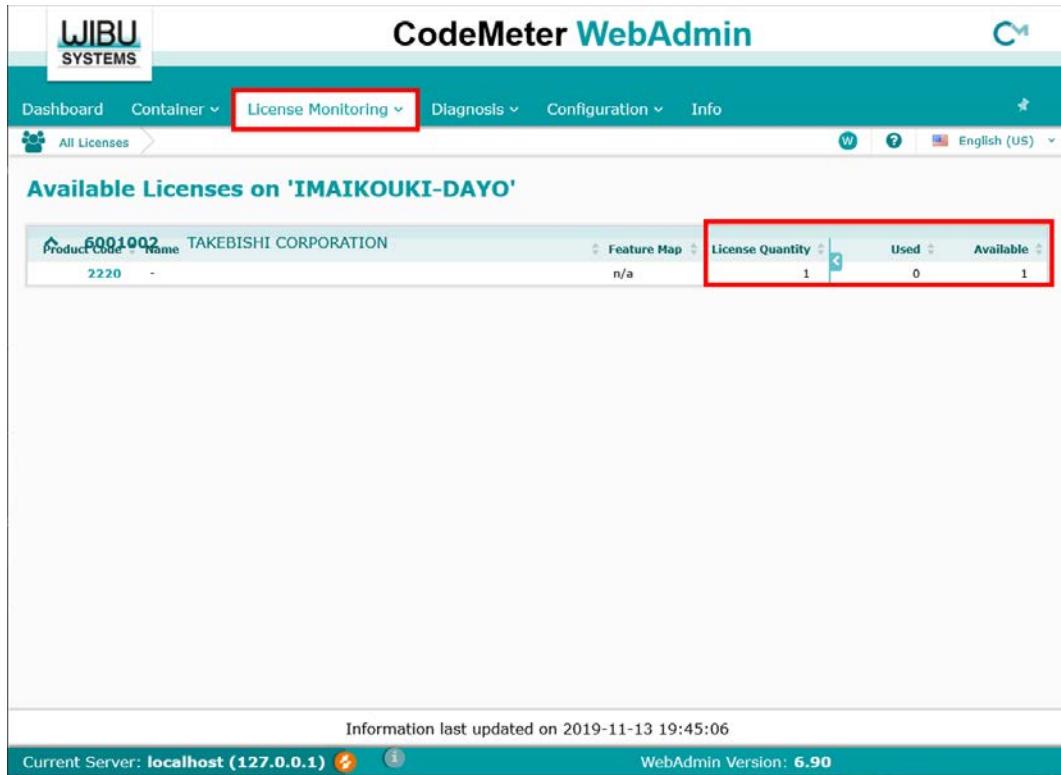
(8) The setup of "CodeMeter Control Center" is completed, it is stored in the following file path.

"CodeMeter Control Center" storage file path
C:\Program Files (x86)\CodeMeter\Runtime\bin\CodeMeterCC.exe

Boot "CodeMeter Control Center" and click "WebAdmin" to open "CodeMeter WebAdmin".



(9) Click “License Monitoring” on “CodeMeter WebAdmin” and confirm that the hardware key license is available.



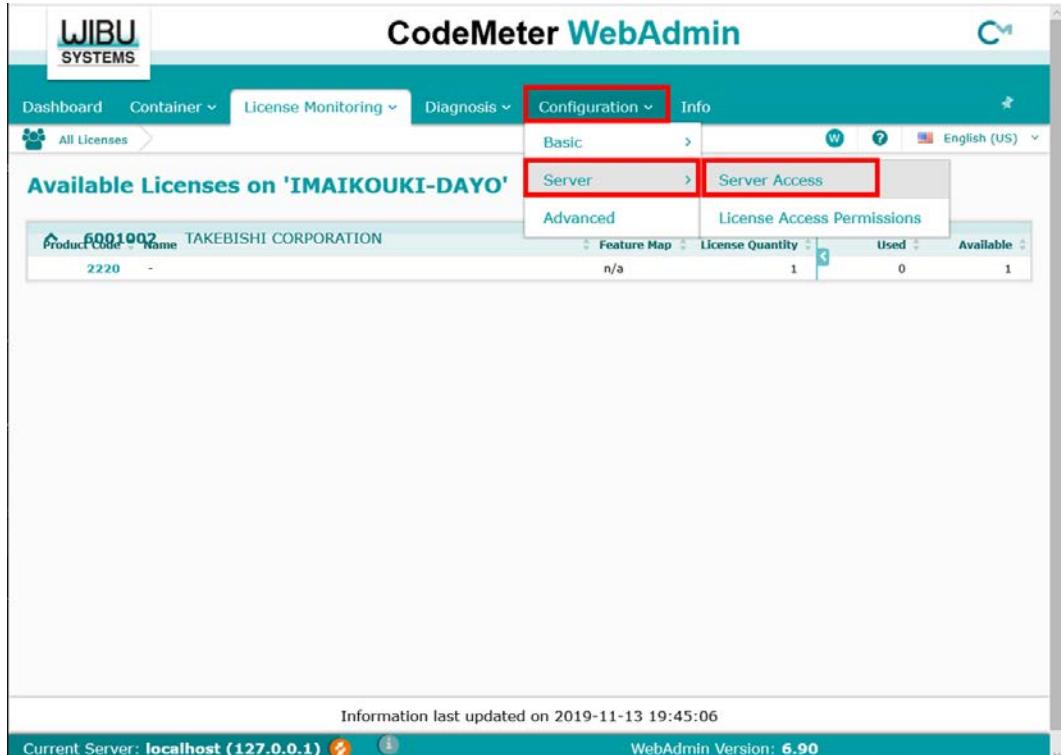
The screenshot shows the CodeMeter WebAdmin interface. The top navigation bar includes 'Dashboard', 'Container', 'License Monitoring' (which is highlighted with a red box), 'Diagnosis', 'Configuration', and 'Info'. Below the navigation is a toolbar with icons for 'All Licenses', 'W' (Help), '?' (FAQ), and 'English (US)' (language). The main content area is titled 'Available Licenses on 'IMAIKOUKI-DAYO''. It displays a table with the following data:

Product Code	Name	Feature Map	License Quantity	Used	Available
6001002	TAKEBISHI CORPORATION	n/a	1	0	1

Information last updated on 2019-11-13 19:45:06

Current Server: localhost (127.0.0.1)   WebAdmin Version: 6.90

(10) Move the cursor to the setting and click “Server”>“Server Access”.



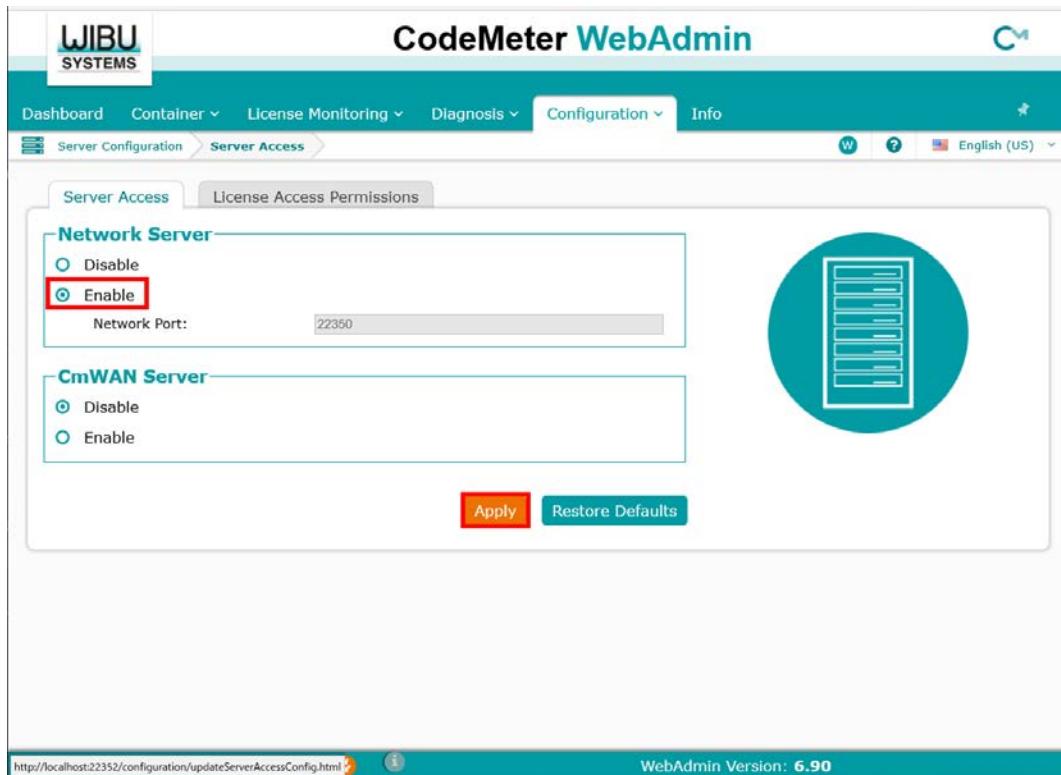
The screenshot shows the CodeMeter WebAdmin interface. The top navigation bar includes 'Dashboard', 'Container', 'License Monitoring', 'Diagnosis', 'Configuration' (which is highlighted with a red box), and 'Info'. A dropdown menu under 'Configuration' shows 'Basic', 'Server' (which is highlighted with a red box), and 'Advanced'. A sub-menu for 'Server' shows 'Server Access' (which is highlighted with a red box). Below the navigation is a toolbar with icons for 'All Licenses', 'W' (Help), '?' (FAQ), and 'English (US)' (language). The main content area is titled 'Available Licenses on 'IMAIKOUKI-DAYO''. It displays a table with the following data:

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(11) "Server Access" screen appears. Check "Enable" for "Network Server" and click "Apply".



WIBU SYSTEMS

CodeMeter WebAdmin

Configuration

Server Configuration > Server Access

Server Access License Access Permissions

Network Server

Enable

Network Port: 22350

CmWAN Server

Disable

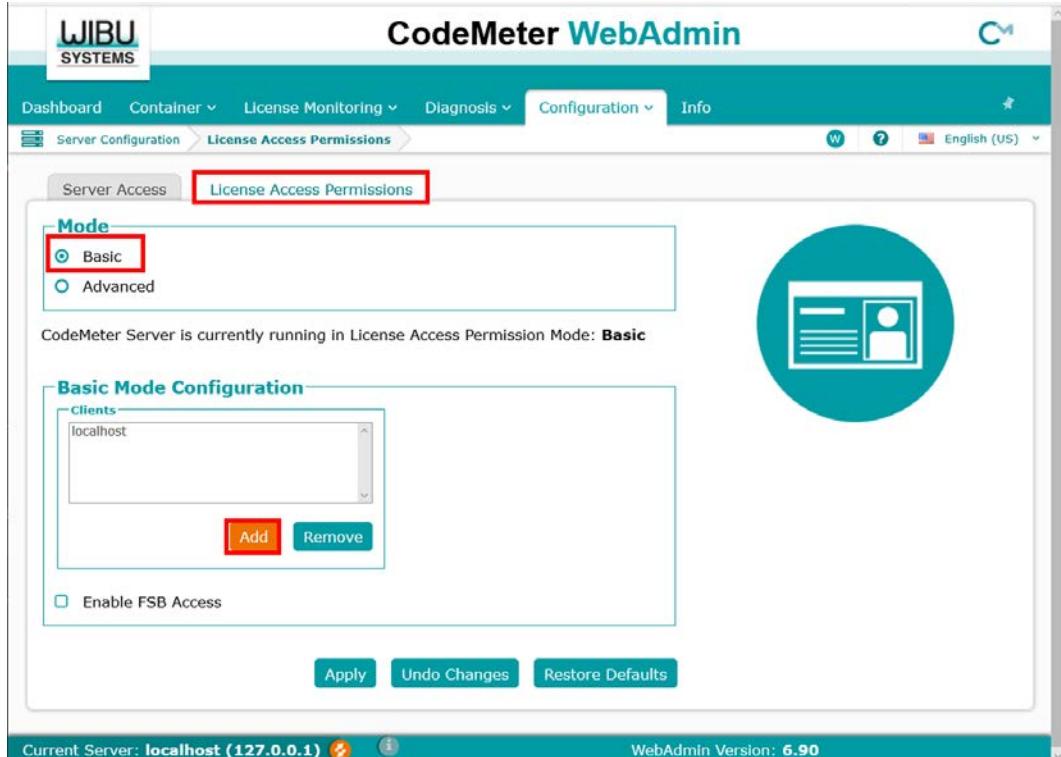
Enable

Apply Restore Defaults

http://localhost:22352/configuration/updateServerAccessConfig.html

WebAdmin Version: 6.90

(12) Click "License Access Permission", then click "Basic" in "Mode" and "Add" in "Basic Mode Configuration".



WIBU SYSTEMS

CodeMeter WebAdmin

Configuration

Server Configuration > License Access Permissions

Server Access License Access Permissions

Mode

Basic

Advanced

CodeMeter Server is currently running in License Access Permission Mode: **Basic**

Basic Mode Configuration

clients

localhost

Add Remove

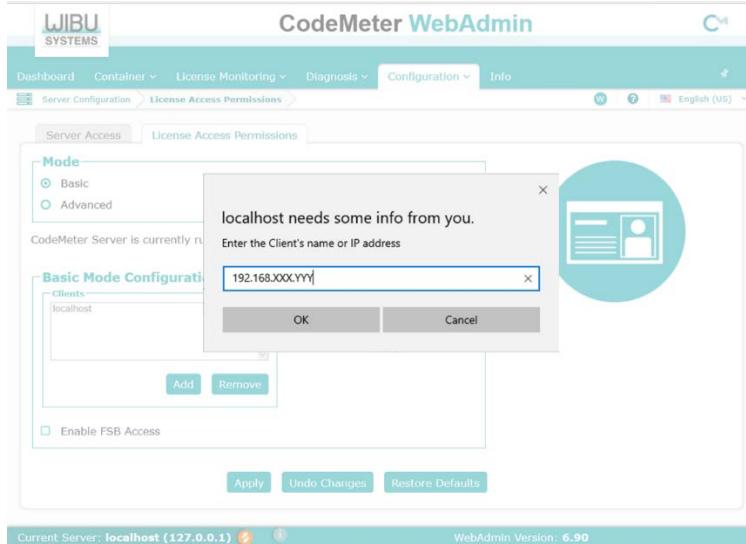
Enable FSB Access

Apply Undo Changes Restore Defaults

Current Server: localhost (127.0.0.1)

WebAdmin Version: 6.90

(13) Input the IP address assigned to the guest OS.



CodeMeter WebAdmin

Server Configuration > License Access Permissions

Mode: Basic

CodeMeter Server is currently running in License Access Permission Mode: Basic

Basic Mode Configuration

Clients: localhost

Add Remove

Enable FSB Access

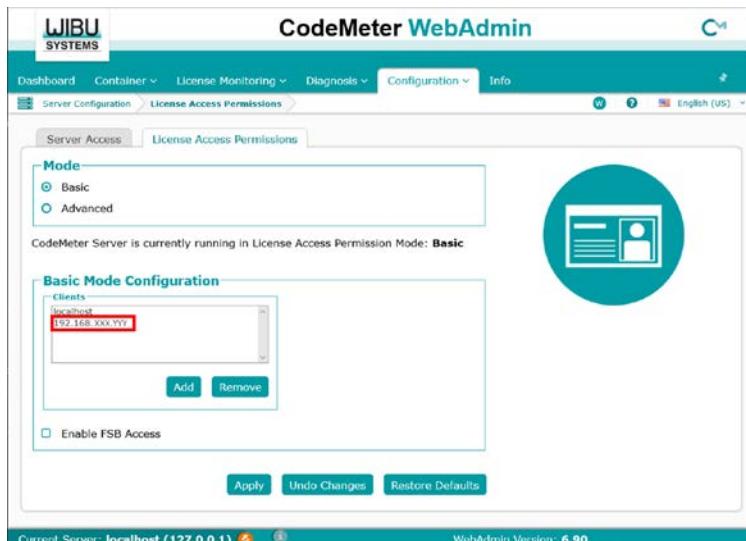
OK Cancel

localhost needs some info from you.
Enter the Client's name or IP address
192.168.XXX.YYY

Apply Undo Changes Restore Defaults

Current Server: localhost (127.0.0.1) WebAdmin Version: 6.90

(14) Confirm that the IP address of the guest OS entered in "Client" of "Basic Mode Configuration" has been added, and click "Apply". (This procedure adds a PC that can access the license with the hardware key.)



CodeMeter WebAdmin

Server Configuration > License Access Permissions

Mode: Basic

CodeMeter Server is currently running in License Access Permission Mode: Basic

Basic Mode Configuration

Clients: localhost 192.168.XXX.YYY

Add Remove

Enable FSB Access

OK Cancel

Apply Undo Changes Restore Defaults

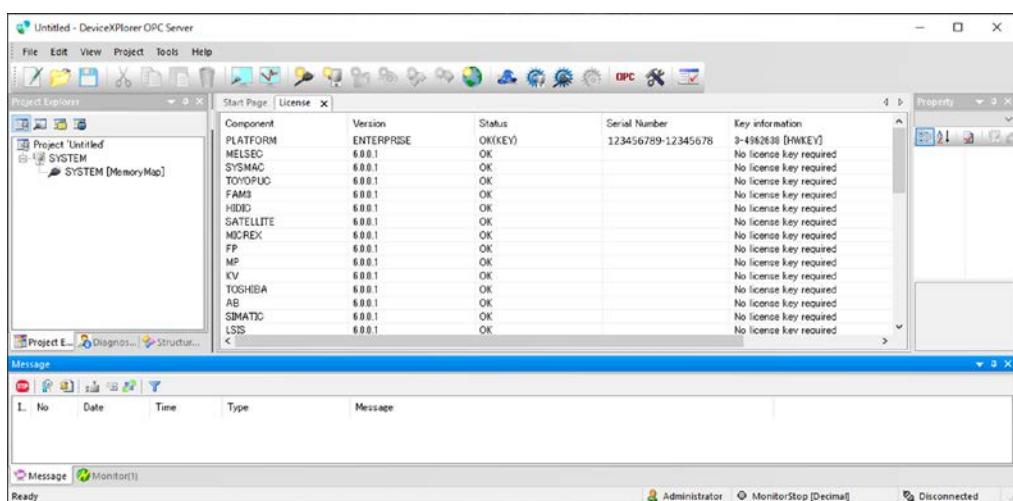
Current Server: localhost (127.0.0.1) WebAdmin Version: 6.90

Important

Be sure to set the license access permission. (Guest OS IP specification)

Otherwise, the license assigned to the hardware key may be used from an unintended DeviceXPlorer on the network..

(15) Open the DeviceXPlorer on the guest OS and confirm that the license has been used.



Untitled - DeviceXPlorer OPC Server

File Edit View Project Tools Help

Project Explorer

Start Page License

Component	Version	Status	Serial Number	Key information
PLATFORM	ENTERPRISE	OK(KEY)	123456789-12345678	3-498263 [HWKEY] No license key required
MELSEC	6.00.1	OK		No license key required
SY5MAC	6.00.1	OK		No license key required
TOYOPLC	6.00.1	OK		No license key required
FAMS	6.00.1	OK		No license key required
HIDIO	6.00.1	OK		No license key required
SATELLITE	6.00.1	OK		No license key required
MICREX	6.00.1	OK		No license key required
FP	6.00.1	OK		No license key required
MP	6.00.1	OK		No license key required
KV	6.00.1	OK		No license key required
TOSHIBA	6.00.1	OK		No license key required
AB	6.00.1	OK		No license key required
SIMATIC	6.00.1	OK		No license key required
LSS	6.00.1	OK		No license key required

Message

No	Date	Time	Type	Message
1				Message [Monitor(1)] Ready

Administrator MonitorStop [Decimal] Disconnected