



DeviceXPlorer OPC Server
User's Guide
(Setup Edition)



Revision 003

August 2023

[Precautions regarding this manual]

- (1) Read this manual and understand it thoroughly before operating the product.
- (2) This manual explains the details of the product's functions; it does not guarantee that the product is suitable for your particular purposes.
- (3) Publishing or copying this manual or any part thereof without permission is strictly prohibited.
- (4) The content of this manual is subject to change without notice.
- (5) The content of this manual applies to program versions 7.2.0.1 or higher.

[Applicability of this product]

TAKEBISHI provides no implied warranty other than the terms stipulated in the warranty conditions.

Conditions regarding the use of this product includes using the product in applications that will not result in serious accident in the event of a product failure or malfunction and systematic implementation of backup and failsafe functions in preparation for occurrences of failures and malfunctions.

This product is designed and manufactured as a general-purpose product for general industrial applications. For this reason, this product is not applicable for use with the following types of specialized devices or systems. If this product is used in such applications, TAKEBISHI shall not be liable for any loss of product quality, performance, or safety including but not limited to non-performance of contractual obligations, warranty against defects, warranty against quality issues, tort liability, and product liability.

- Applications that have a significant impact on the public including nuclear and other power plants operated by power companies.
- Railway, government, or other applications that require special quality assurance.
- Applications that have significant impact on human life and property including aviation, medical, railway, combustion/fuel systems, passenger vehicles, manned transport devices, entertainment machines, and safety equipment.

However, use in these types of applications may be allowable if the customer acknowledges that special quality requirements cannot be accommodated for such specialized applications. Please contact us to discuss your specific application.

TAKEBISHI shall not be responsible for any damages including incidental damages incurred by the customer or a third party due to the use of this product or due to unforeseen product defects.

[Copyrights]

TAKEBISHI Corporation holds the copyrights to the programs contained in this product, the online manual, and other documentation. It is prohibited to copy this content or to transfer to a third party. It is also prohibited to record the content, using video tape or other media, without permission.

[Trademarks]

All company names, product names and trademarks that appear in this manual are trademarks of their respective owners.

1	Introduction.....	4
2	Install/Uninstall.....	4
2.1	Installation Files	4
2.2	Install Procedure.....	5
2.3	Uninstall Procedure.....	9
2.4	Component Addition Procedure.....	11
3	License Activation.....	13
3.1	Serial Number	13
3.2	Software Key	13
3.3	Hardware Key	13
3.4	License Status and Application Operation	14
3.5	Serial Number	15
3.5.1	Serial Number Registration.....	15
3.5.2	Change the activated Serial Number.....	15
3.5.3	Deactivate the Serial Number.....	15
3.6	Activation of License Flow	16
3.7	Deactivation of License Flow	17
3.8	Transfer of License Flow	18
3.8.1	Deactivate the license at the source PC	18
3.8.2	Activate the license in the transferred PC.....	18
3.9	User Registration.....	18
3.10	Activate the Software Key (Online).....	19
3.11	Activate the Software Key (Offline).....	21
3.12	Deactivate the Software Key (Online)	32
3.13	Deactivate the Software Key (Offline)	34
3.14	Using the Software Key in the Virtual Environment.....	43
3.14.1	Set up CodeMeter Runtime on Host OS	43
3.14.2	License activation on the host OS.....	46
3.14.3	License server activation on the host OS	46
3.14.4	License activation on the Guest OS.....	49
3.15	Using the Hardware Key	50
3.16	Using the Hardware Key in the Virtual Environment.....	50
3.17	Library Information.....	51
4	Edition.....	51
4.1	The Differences between each Editions.....	51
4.2	Communication Suite that can be Selected for Single Edition.....	52
4.2.1	Selecting the Communication Suite	52
4.2.2	Changing the Communication Suite from license menu.	53
4.3	Demo edition.....	54
5	Notes	54
5.1	Notes at 64-bit application.....	54
5.1.1	Notes on using the OPC Classic (OPC DA/ OPC AE) server function.....	54
5.1.2	Unsupported connections in 64-bit application.....	54
5.2	Note at connecting with GENESIS 64 / MC Works64 via OPC DA interface	55

1 Introduction

This manual explains how to install and license DeviceXPlorer OPC Server (hereafter referred to as DeviceXPlorer).

[Cautions]

For DeviceXPlorer, material covered in the Server Edition is not included in this manual. Please refer to the "User's Guide (Server Edition)".

For information on the settings, operating method, and error codes, etc., of the PLCs, refer to the "User's Guide (PLC Communication Edition)".

Please refer to "User's Guide (Setup Edition)" for installation and license information.

2 Install/Uninstall

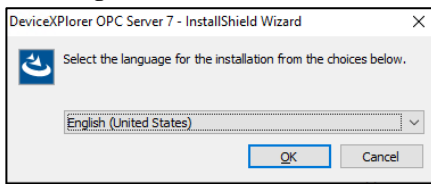
2.1 Installation Files

DeviceXPlorer installation sets up the following files.

Description	Setup path	Note
DeviceXPlorer	Installation folder ¥BIN	
User's Guide	Installation folder ¥Doc	Server Edition PLC Communication Edition Software license agreement
Option File	Installation folder ¥Option	Configuration file for communication with external GENESIS64
Third Party License File	Installation folder ¥ThirdPartyLicense	Third Party License Files
OPC DA components	Windows system folder	OPC DA2.0 / 3.0 custom interface OPC DA2.0 automation interface
Windows components	Windows system folder	VC runtime library

2.2 Install Procedure

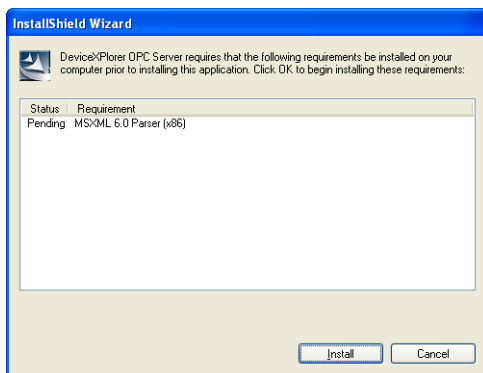
- (1) Inserting the Product CD in the drive launches the installer. Choose setup language in dialog.



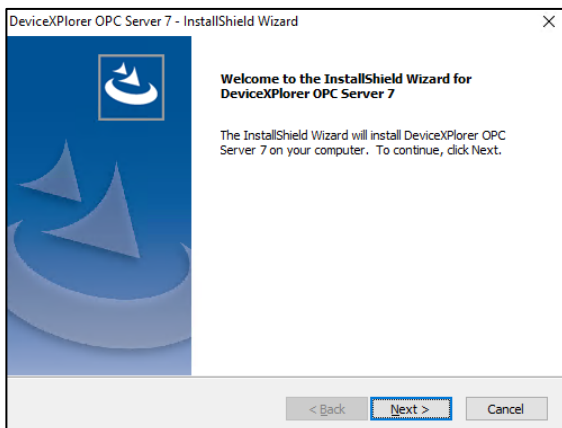
Important

- You must have Administrator rights to set up.
- .NET Framework 3.5 setup is required before installing the 32-bit application.

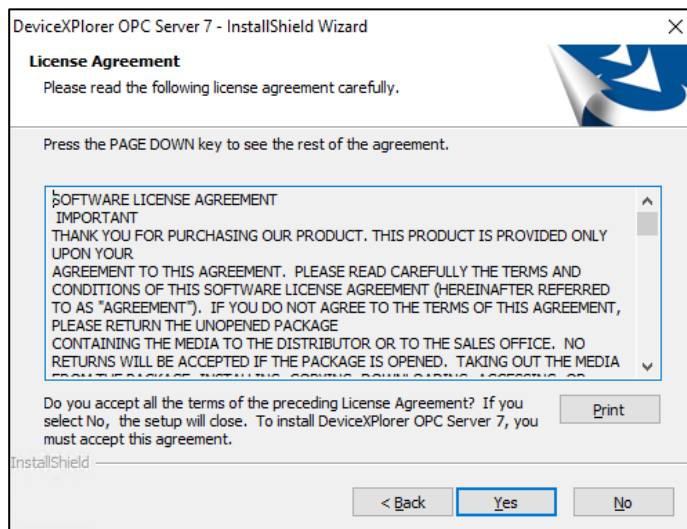
- (2) Install the components which are necessary to operate DeviceXPlorer. Press “Install”.



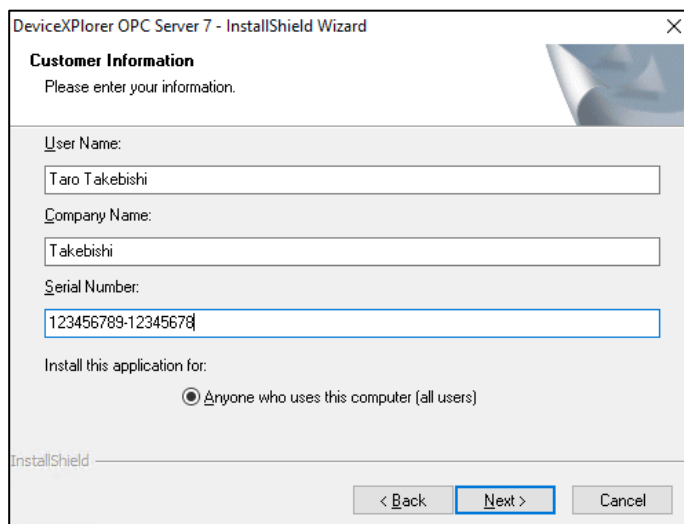
- (3) When the InstalShield Wizard is displayed, press “Next.”



- (4) Agree with the License Agreement, and click “Yes.”



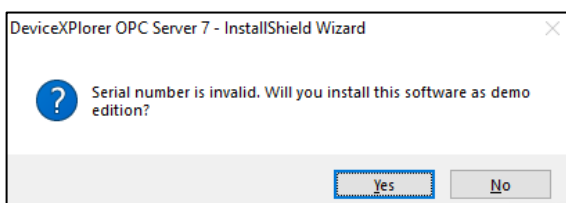
- (5) Input user information and Serial Number. Click “Next.”



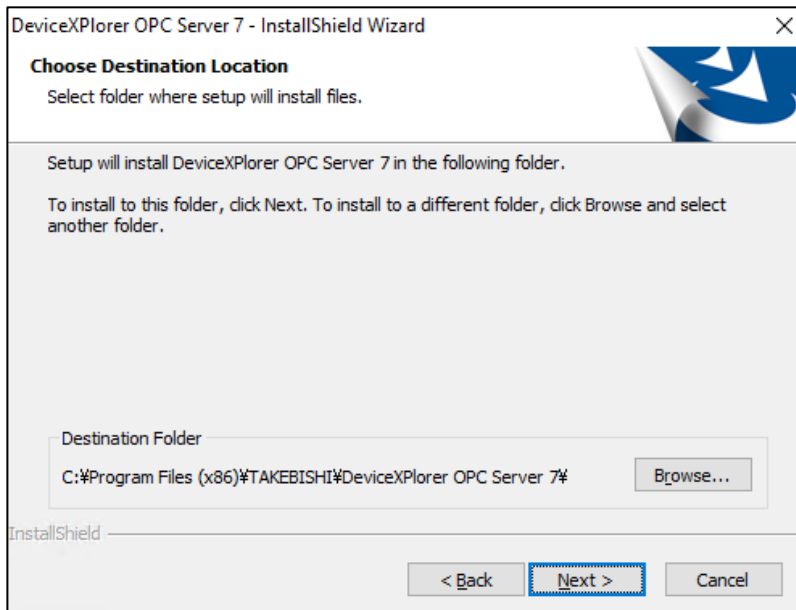
Note

Please input the Serial Number that has been described to the product accurately.

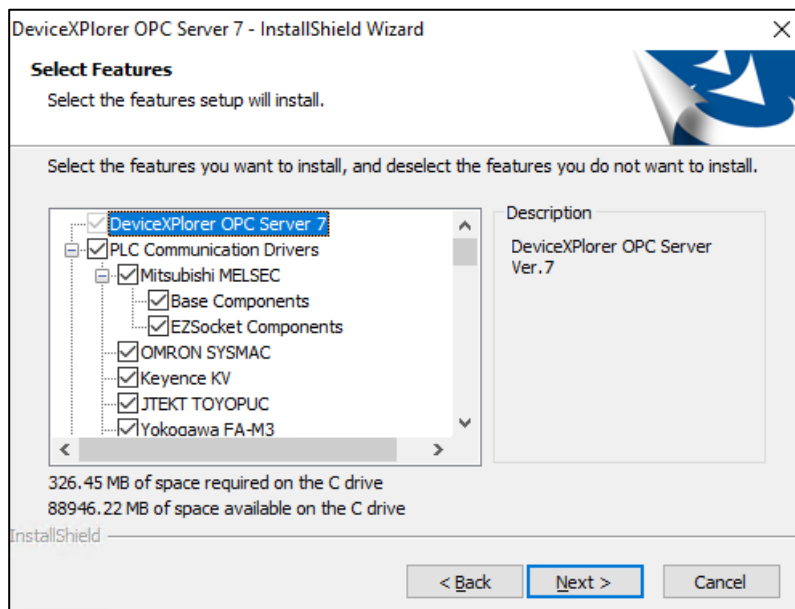
If inputting invalid Serial Number, following dialog will be displayed. If you would like to use as demo edition, please input a hyphen symbol “-” in Serial Number.



- (6) Select where you wish to install the system or components you wish to install as may be necessary.



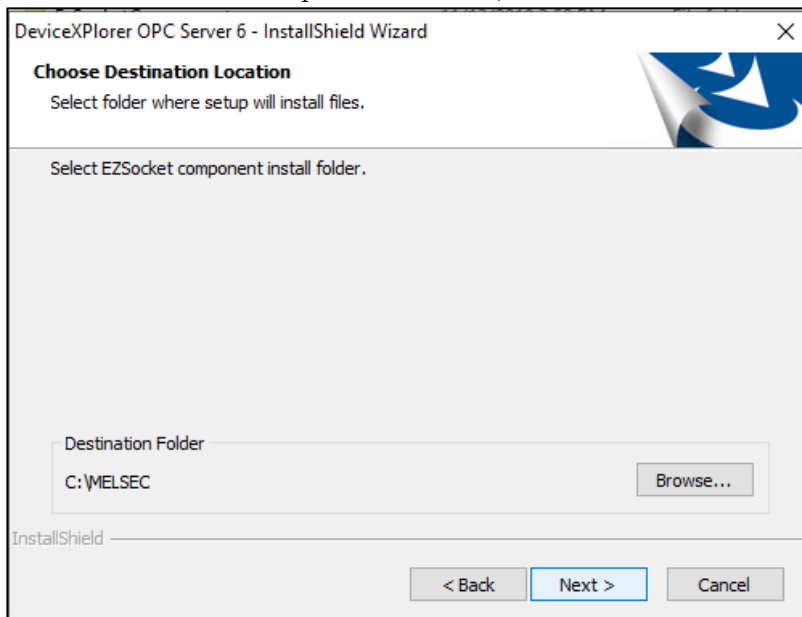
- (7) Select Installing component.



Note

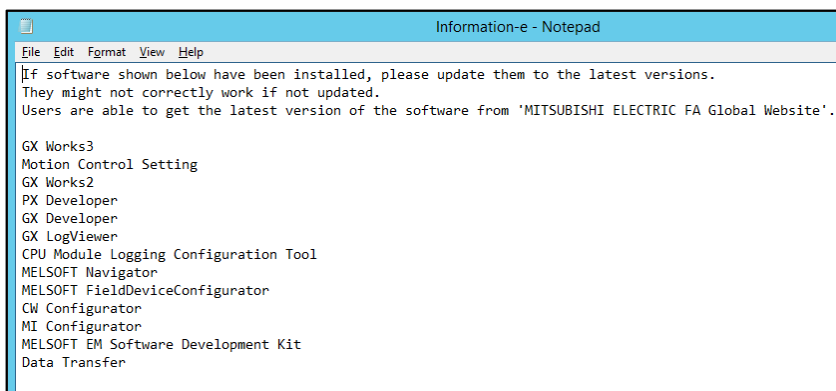
The communication function selected here can be used. If you want to use all communication functions, check all of them.

- (8) If MELSEC EZSocket component is selected, select the installation destination of EZSocket component.

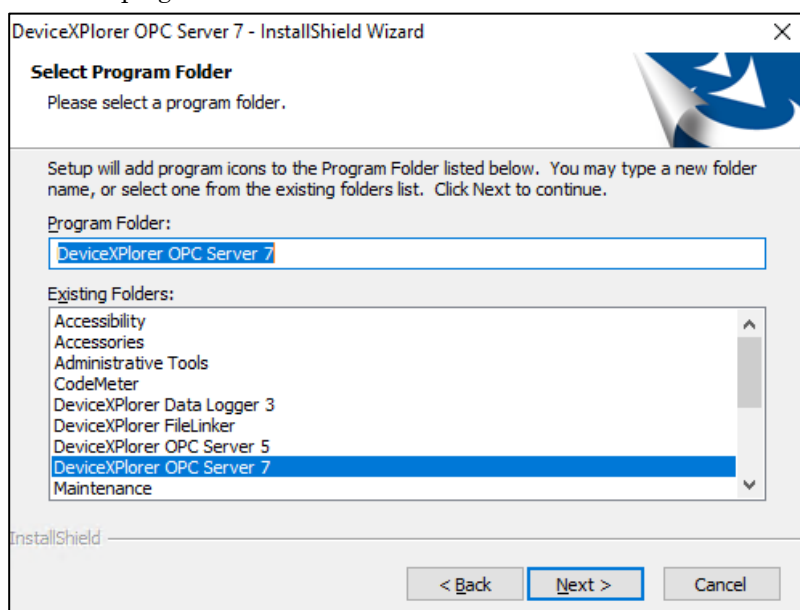


Note

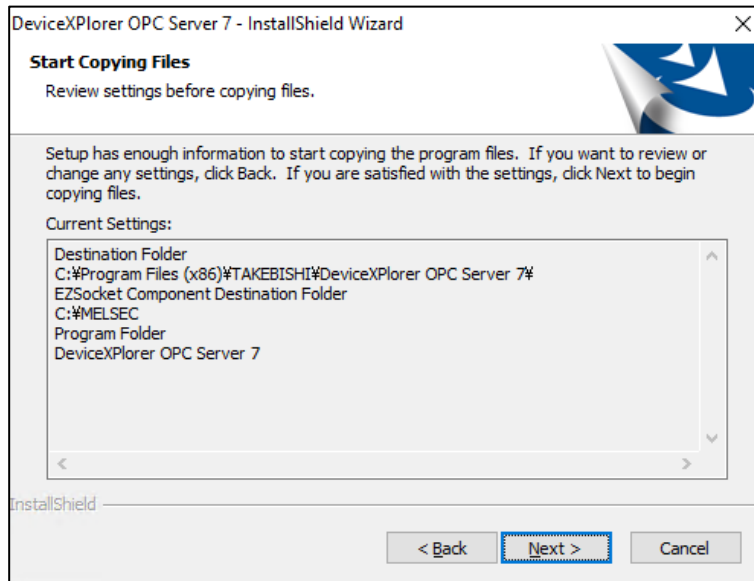
When EZSocket components installation, following message may be displayed. In that case, update the software shown in the message.



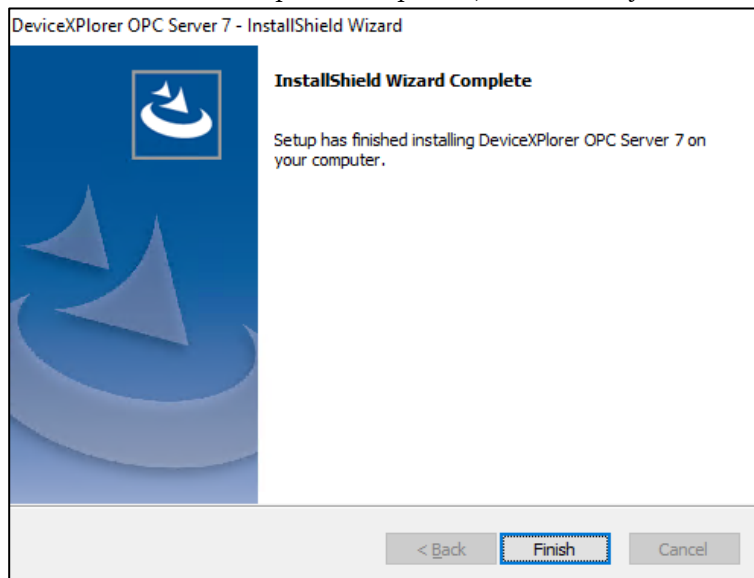
- (9) Select the program folder.



- (10) Preparation for installation is now complete. Press “Install” to start installation.



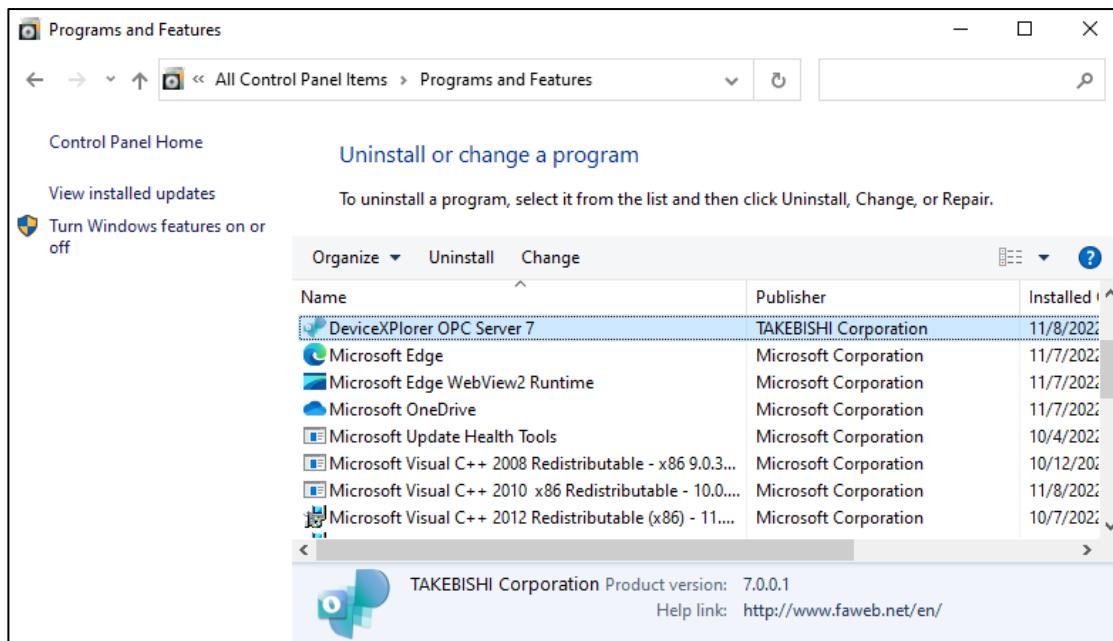
- (11) When the Windows component is updated, it is necessary to restart PC.



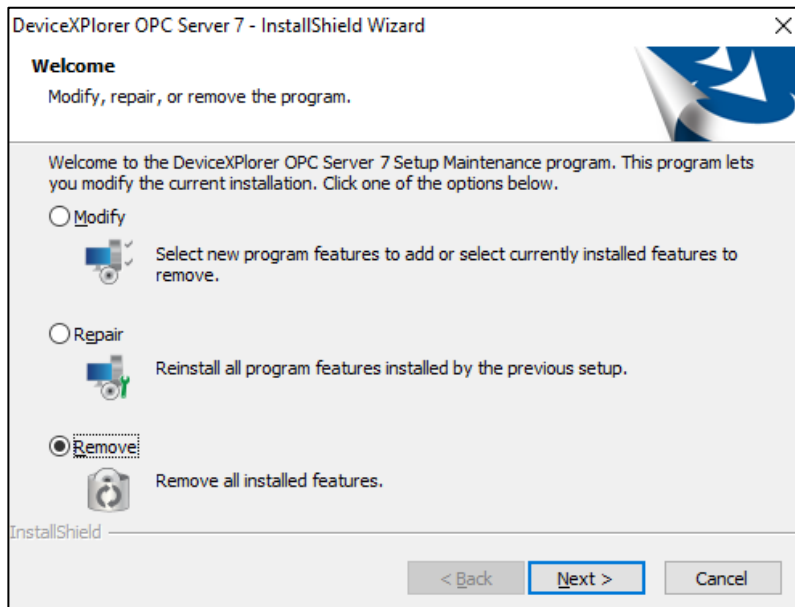
2.3 Uninstall Procedure

You can uninstall DeviceXPlorer by following the Procedures below.

- (1) Disconnect all connections from client applications and quit DeviceXPlorer.
If it is running as a service program, go to the “Control Panel -> Services”, and stop “DeviceXPlorer OPC Server 7”.
- (2) In the Control Panel, select “Add/Remove Program”



- (3) Remove "DeviceXPlorer OPC Server 7".



- (4) Even after DeviceXPlorer has been uninstalled, project file created by the user will remain.

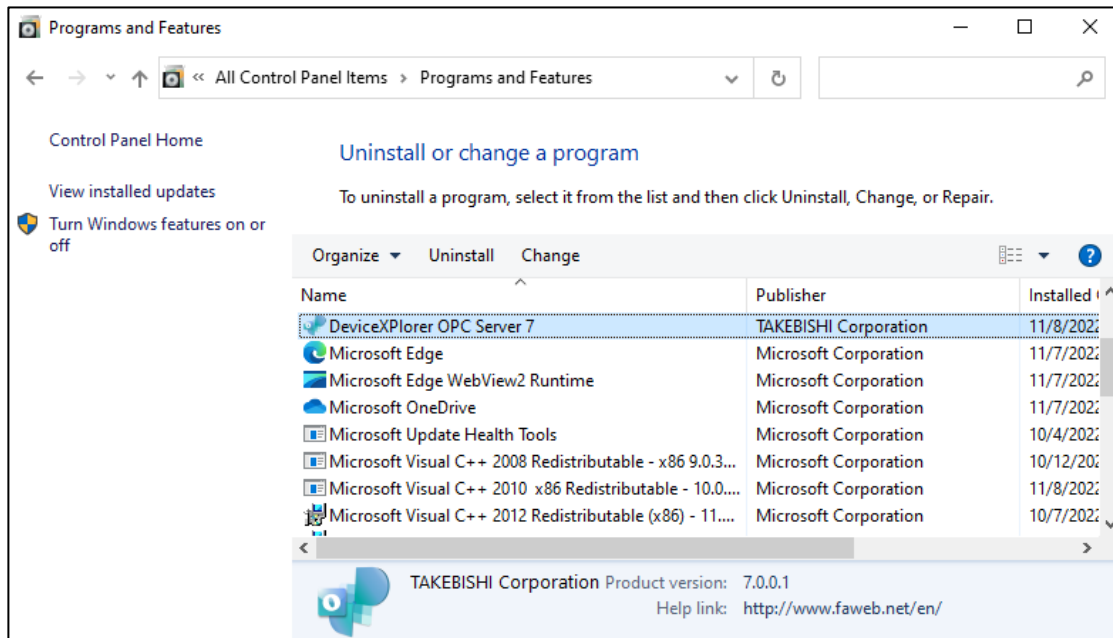
Important

If you have activated the software key, please deactivate the software key before uninstalling. (Refer to 3.12)

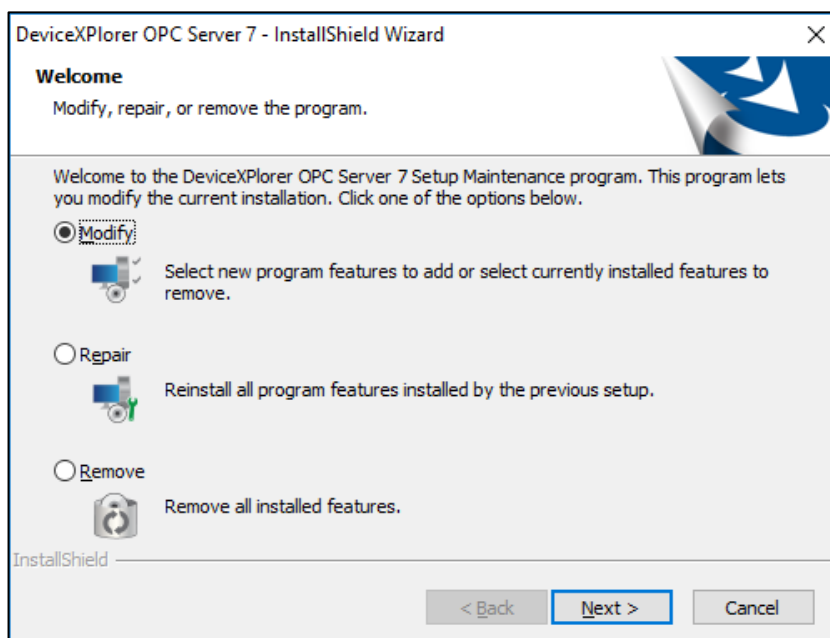
2.4 Component Addition Procedure

Device Explorer allows you to add components by following these steps.

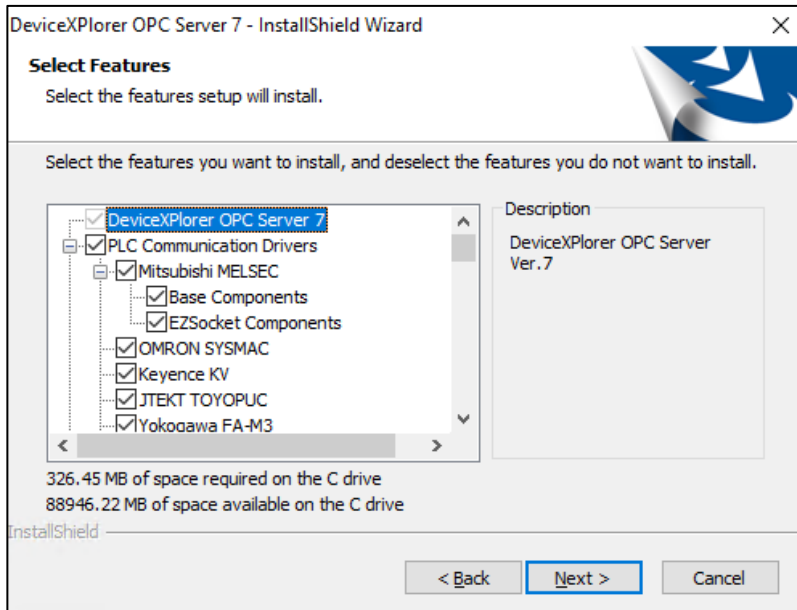
- (1) Disconnect all connections from client applications and quit DeviceXPlorer.
If it is running as a service program, go to the “Control Panel -> Services”, and stop “DeviceXPlorer OPC Server 7”.
- (2) In the Control Panel, select “Add/Remove Program”



- (3) Modify “DeviceXPlorer OPC Server 7”.



(4) Select the component to be changed.



3 License Activation

License activation is necessary in order to run DeviceXPlorer properly.

Depending on the product type, a software key or a hardware key may be required to operate the product.

Important

DeviceXPlorer license is activated through following 2 steps.

(1) Activation with serial number of DeviceXPlorer.

(2) Activation with hardware key or software key

3.1 Serial Number

The serial number is a unique number that you receive when you purchase a product.

After purchase, the customer must register as a user based on this serial number.

Also, using this serial number, it is necessary to register the serial number on DeviceXPlorer.

Important

A one serial number cannot be applied to multiple PCs and used simultaneously.

DeviceXPlorer periodically conducts a serial number check to see if there are multiple DeviceXPlorer running on PCs in the same LAN.

Note that if DeviceXPlorer sharing the same serial number are found, operation will stop immediately.

3.2 Software Key

If you purchased software key product, "Ticket ID" is required to activate the software key. The "Ticket ID" can be acquired by registering the exact serial number at user registration after purchase, and it is required to activate the software.

3.3 Hardware Key

If your product requires a hardware key, both the serial number and the hardware key must be set up on the same PC. When the hardware key included in the package is inserted into the PC where DeviceXPlorer is installed, the hardware key is activated.

Note

The hardware key must always be inserted to the PC while DeviceXPlorer is running.

3.4 License Status and Application Operation

You could check a table below shows the relations between license activation status and application operation and confirm the license status on the “License” screen of the “Help” menu.

License status	Status	Application operation
Normal Mode	OK(KEY)	The license is effective, so no further actions are required.
Demo Mode	DEMO	Operates in demo mode for 3 hour.
NO KEY	NO KEY	Hardware key or software key is required.
STOP	STOP	The operation stops. Activate license is required.
Temporary Mode	TERM	A temporary license has been applied. The license is valid until valid date. In software key edition, you need to activate the key within 14 days after installation. On the user registration page, enter your serial number and other required information, submit it. We will inform you of the ticket ID necessary for license activation. URL https://www.faweb.net/en/user-form/ If you can't get a ticket ID after user registration, would you contact us to the following email address? Email address: https://www.faweb.net/en/support/form/
GRACE Mode	GRACE	If the software key or hardware key becomes temporarily unrecognizable, the application will continue to operate under the original license state as a grace period of 180 minutes in GRACE mode. However, if the application has been running for a long time, this grace period may be extended up to 10 days.

The items on the “License” screen are as follows.

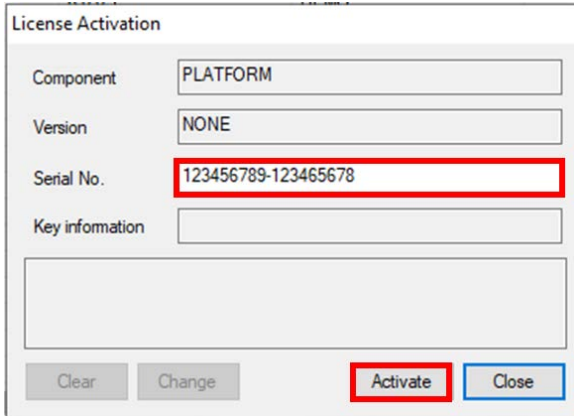
Item	Description
Component	[PLATFORM] component: Application base. For others, the component name for each connected device is displayed.
Version	[PLATFORM] component: License name is displayed. PROFESSIONAL, MALTI, SINGLE, WATER_CPS or DEMO. For others, the version of the component is displayed.
Status	The license status of each component is displayed.
Serial Number	The applied serial number is displayed.
Key information	The applied key information is displayed.
Valid Date	The expiration date is displayed when the status is [TERM]. In GRACE mode, the remaining grace period is displayed.

3.5 Serial Number

3.5.1 Serial Number Registration

DeviceXPlorer serial number authentication procedure.

- (1) Open the license screen from "Help" on DeviceXPlorer.
- (2) Select the "Component" to be authenticated, right-click and click "License Activation".
- (3) Input the serial number and click "Activate" to complete.



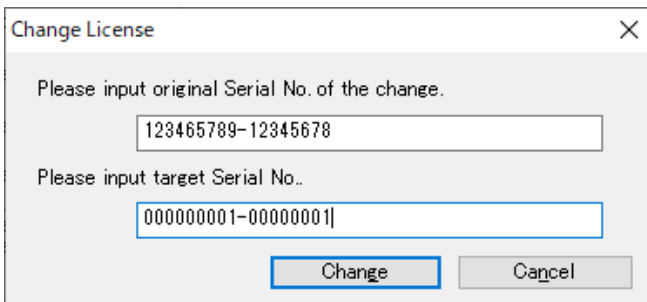
The "License Activation" dialog box contains the following fields and buttons:

- Component:** PLATFORM
- Version:** NONE
- Serial No.:** 123456789-12345678 (highlighted with a red border)
- Key information:** (empty field)
- Buttons:** Clear, Change, Activate (highlighted with a red border), Close

3.5.2 Change the activated Serial Number

You could change the activated serial number.

It is necessary to input the original serial number and the target serial number.



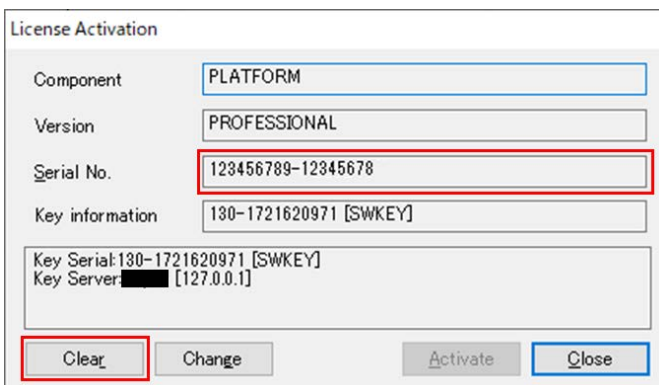
The "Change License" dialog box contains the following fields and buttons:

- Title:** Change License
- Text:** Please input original Serial No. of the change.
- Field 1:** 123456789-12345678
- Text:** Please input target Serial No..
- Field 2:** 000000001-00000001 (highlighted with a blue border)
- Buttons:** Change, Cancel

3.5.3 Deactivate the Serial Number.

The Procedures of deactivate the serial number.

- (1) Open the license screen from "Help" on the OPC server.
- (2) Select the "Component" to be deactivated, right-click and click "License Activation".
- (3) Input the serial number and click "Clear" to complete.



The "License Activation" dialog box contains the following fields and buttons:

- Component:** PLATFORM
- Version:** PROFESSIONAL
- Serial No.:** 123456789-12345678 (highlighted with a red border)
- Key information:** 130-1721620971 [SWKEY]
- Key details:** Key Serial: 130-1721620971 [SWKEY], Key Server: [127.0.0.1]
- Buttons:** Clear (highlighted with a red border), Change, Activate, Close

License Clear

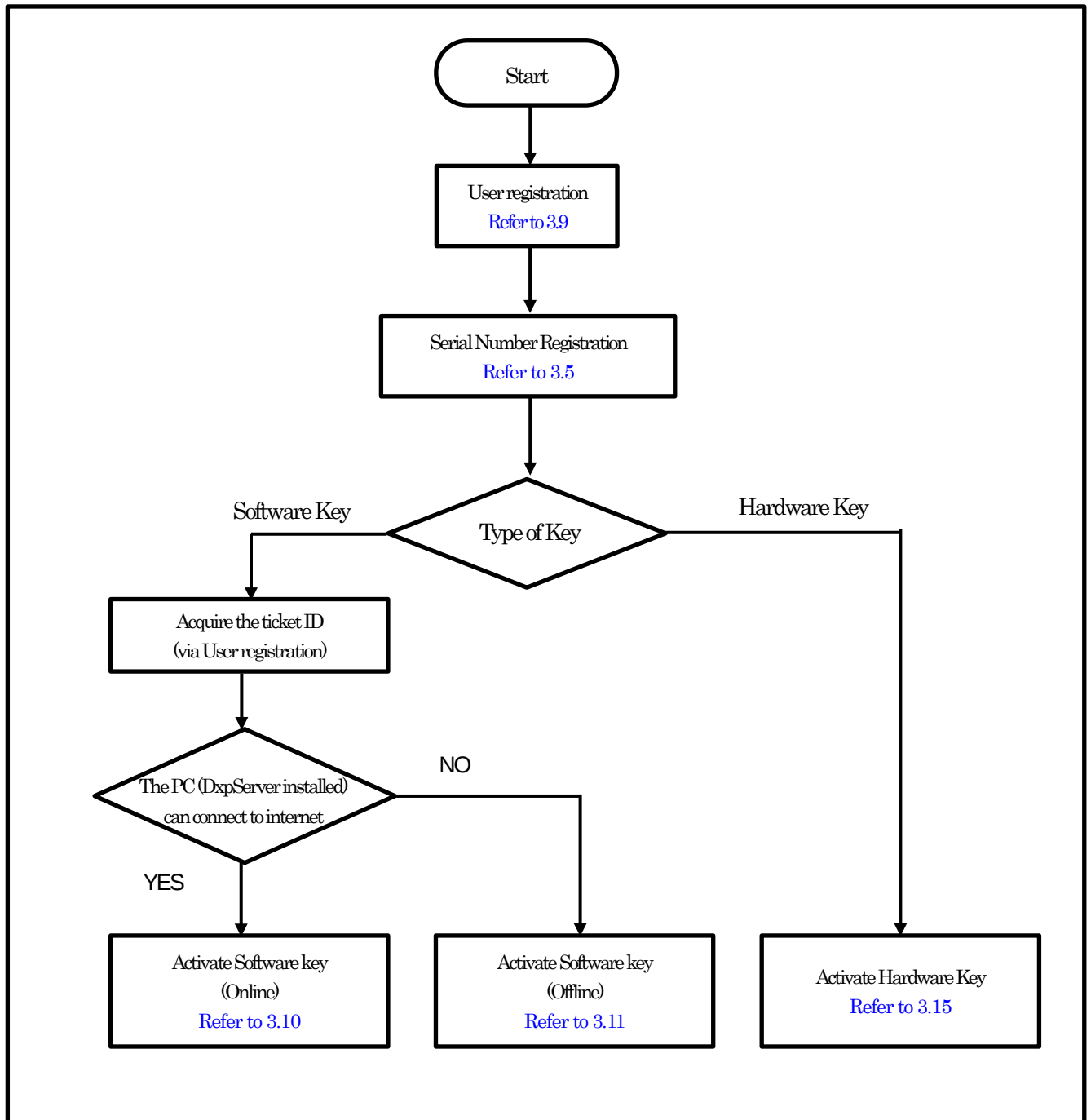
Please input Serial No. of the deletion.

Target Serial No. :
123456789-12345678

Clear
Cancel

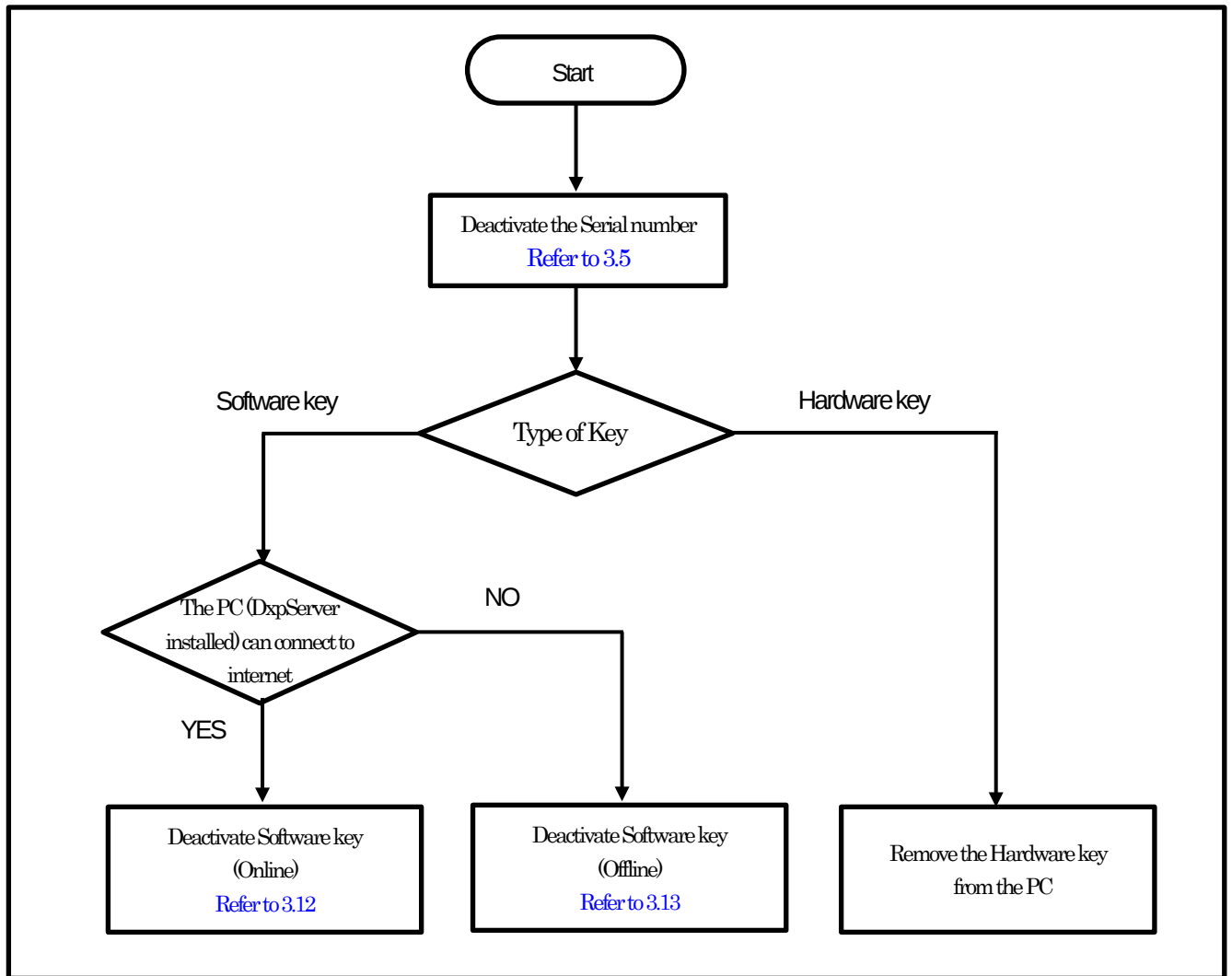
3.6 Activation of License Flow

The activation of license flow for software keys and hardware keys is shown below.



3.7 Deactivation of License Flow

The deactivation of license flow for software keys and hardware keys is shown below.



Important

If you are unable to deactivate the software key due to PC failure or such, please contact our support.

3.8 Transfer of License Flow

When transferring a license to another PC, deactivate the license at the source PC and activate the license at the destination PC.

3.8.1 Deactivate the license at the source PC

Deactivate the license at the source PC with licensed DeviceXPlorer by following steps.

- (1) Deactivate the serial number of DeviceXPlorer.
- (2) If hardware key is activated, remove the hardware key.
- (3) If the software key is activated, deactivate the software key.
Refer to "3.12 Deactivate the Software Key (Online)" or "3.13 Deactivate the Software Key (Offline)".
- (4) Uninstall DeviceXPlorer.

3.8.2 Activate the license in the transferred PC

Activate the license at the destination PC with DeviceXPlorer installed by following the steps below.

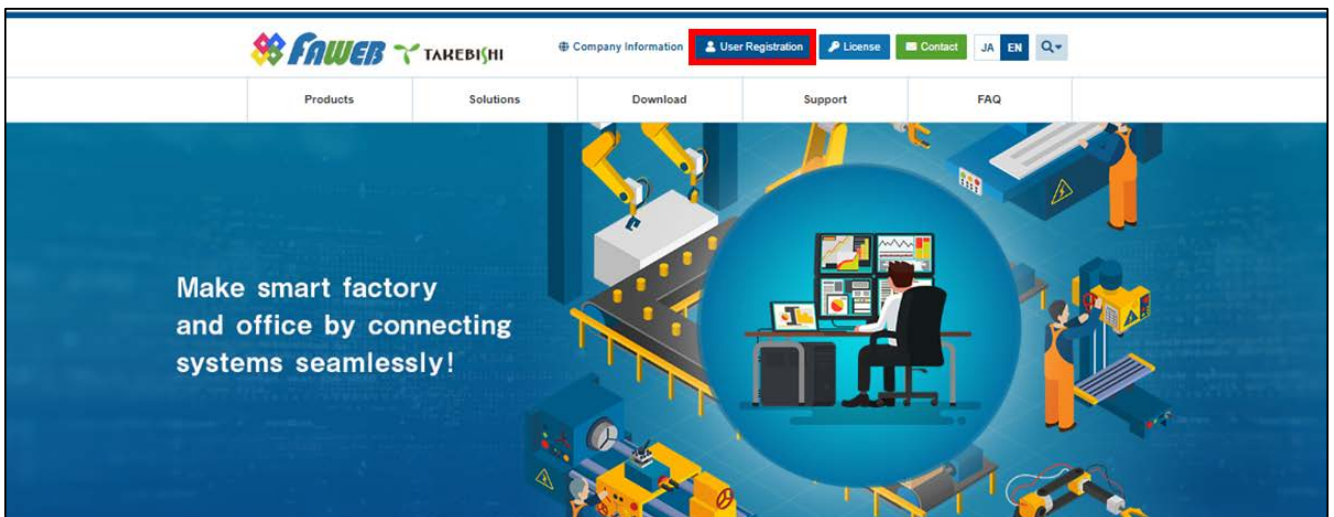
- (1) Register the serial number of DeviceXPlorer.
- (2) In case of hardware key, attach the hardware key to the PC.
- (3) In case of software key, activate the software key.
Refer to "3.10 Activate the Software Key (Online)" or "3.11 Activate the Software Key (Offline)".

3.9 User Registration

Please complete user registration on the FAWEB website, (FAWEB: <https://www.faweb.net/en/>) with the correct serial number (9 digits -8 digits) that you acquired when purchased.

If you purchased the software key product, a ticket ID will be sent to your e-mail when you complete use registration on the FAWEB site. The ticket ID is required to activate the software key.

If you purchase Hardware key, Ticket ID will not be sent.



3.10 Activate the Software Key (Online)

The following shows the procedure for activating software key when a PC with DeviceXPlorer installed can connect to the Internet.

* The ticket ID is required to activate. Please complete [3.9 User Registration](#) to acquire the ticket ID.

- (1) Open the license registration web page ("License") in FAWEB.

(The license registration web page: <http://license.faweb.net/>)



- (2) Input the ticket ID in the "Ticket", which you acquired at user registration on the license registration page, and click "Next".

- (3) My Licenses screen is displayed. Confirm that the ticket ID is correctly filled, and click "Activate Licenses".

Name	Ticket	Activated On	CmContainer	Status
Takebishi Product CmActLicense Item	AAAAA-BBBBBB-CCCCC-DDDDD-EEEE			Available

- (4) Click “Activate Selected License Now”.

Use the ticket ID acquired by this operation to activate the license.

The screenshot shows the 'Available Licenses' section of the Takebishi software interface. At the top, there's a navigation bar with 'Home', 'My Licenses', and 'Auto Update'. Below this, a box titled 'To activate your licenses:' contains three steps: 1. Select the licenses you want to activate. 2. Select the locally connected CmContainer to which you want to transfer the licenses. 3. Click 'Activate Selected Licenses Now'. A table below lists available licenses with columns: Name, Ticket, Activated On, CmContainer, and Status. One license is listed: 'Takebishi Product CmActLicense Item' with a ticket ID 'AAAAA-BBBBBB-CCCCC-DDDDD-EEEE' highlighted in a red box. Below the table, there's a 'Select CmContainer' dropdown menu showing '130-281881709 (Takebishi CmActLicense 6001002)'. An orange button labeled 'Activate Selected Licenses Now' is prominently displayed. To the right of the button, it says 'File-based license transfer'. At the bottom, there's a footer with '© TAKEBISHI CORPORATION' and 'Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws'.

Name	Ticket	Activated On	CmContainer	Status
Takebishi Product CmActLicense Item	AAAAA-BBBBBB-CCCCC-DDDDD-EEEE			Available

- (5) The following screen is displayed when process is completed.

When the message “License transfer completed successfully!” is displayed, Software Key Activation is complete.

The screenshot shows the 'Online License Transfer' completion screen. It features a green header with the title 'Online License Transfer'. Below the header, a list of steps is shown: 'Starting license transfer.', 'Creating license request.', 'Downloading license update.', 'Importing license update to CmContainer.', 'Creating receipt.', and 'Uploading receipt.'. A large white box in the center contains a green checkmark icon and the text 'License transfer completed successfully!'. At the bottom left, there is an orange button labeled 'OK'.

3.11 Activate the Software Key (Offline)

The following shows the Software Key Activation procedure when a PC on which DeviceXPlorer is installed cannot connect to the Internet.

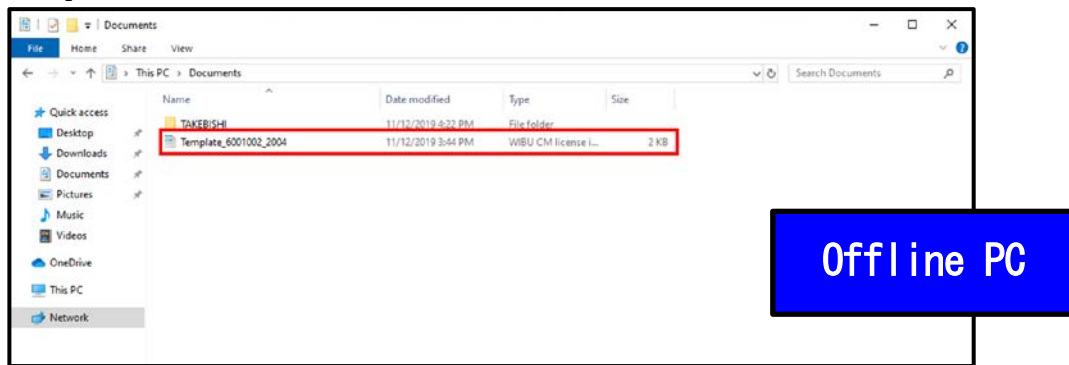
* Use a PC that can access the Internet (hereinafter referred to as an Online PC) to activate a license for a PC (hereinafter referred to as an Offline PC) that has a DeviceXPlorer that cannot access the Internet.

* The ticket ID is required to activate. Please complete [3.9 User Registration](#) to acquire the ticket ID.

- (1) Place the "License Request File Template" stored on the installation disc (Option¥SWkeyOfflineActivation) or in the installation directory of the DeviceXPlorer (Option¥SWkeyOfflineActivation¥) in the any location on the offline PC.

License request file template

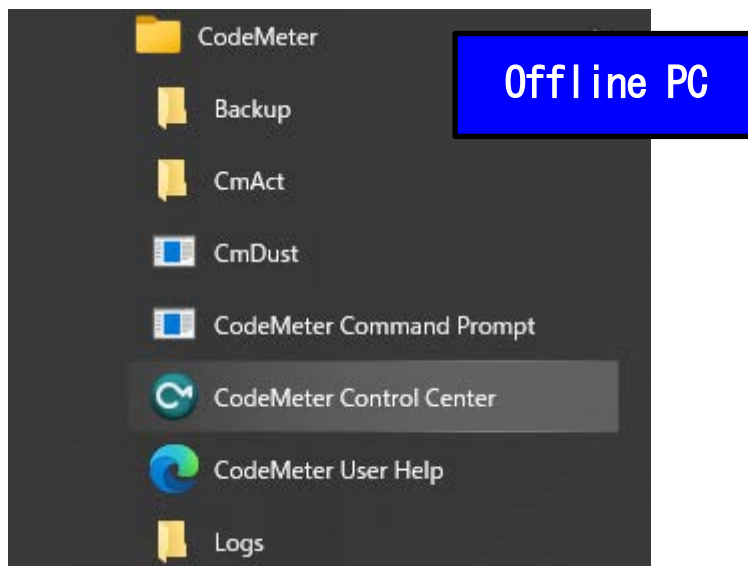
"Template_6001002_2004.WibuCmLIF"



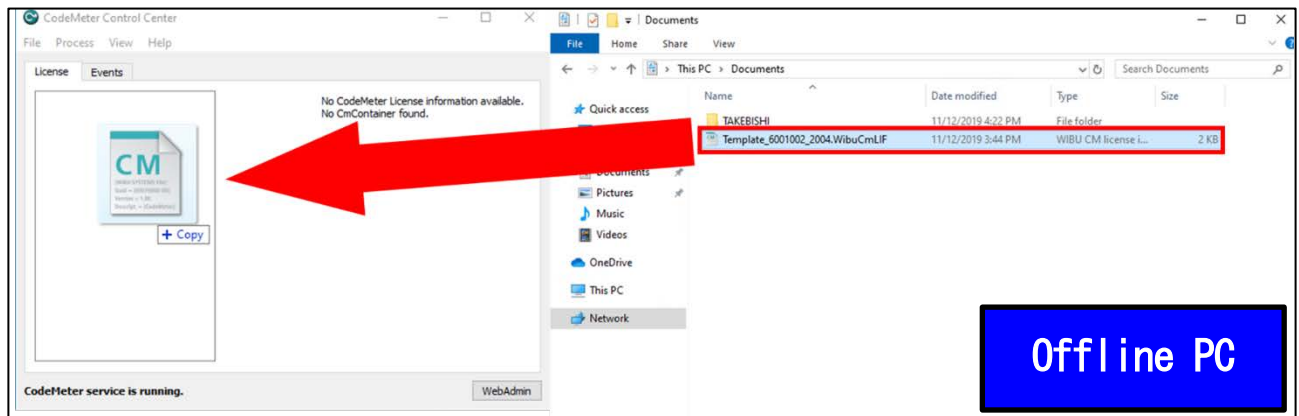
- (2) On the offline PC, start the "CodeMeter Control Center" from the Start menu or the following path.

CodeMeter Control Center File path to store;

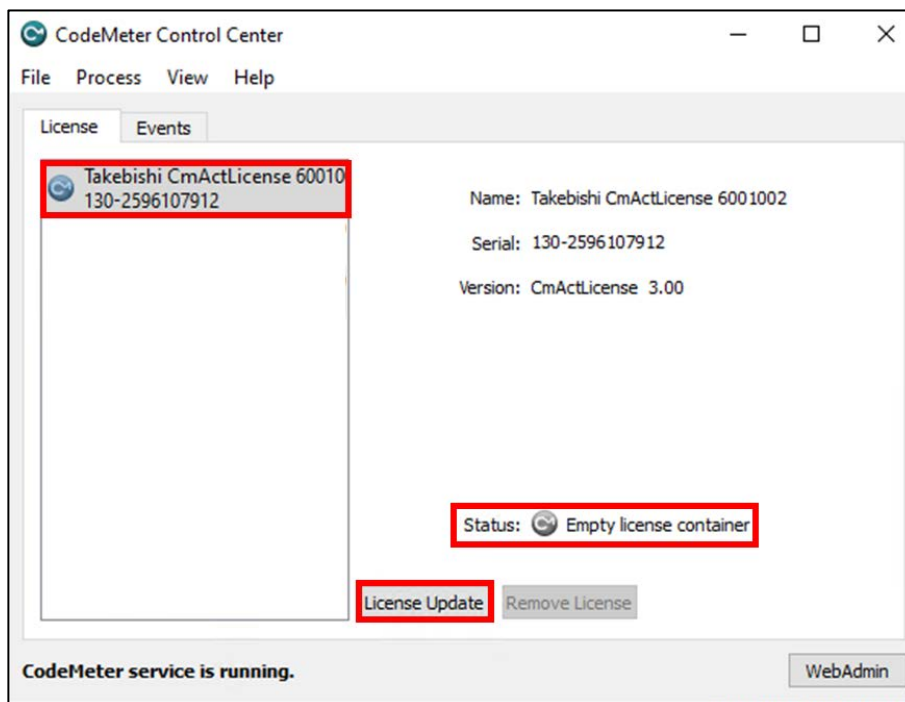
C:¥Program Files (x86)¥CodeMeter¥Runtime¥bin¥CodeMeterCC.exe



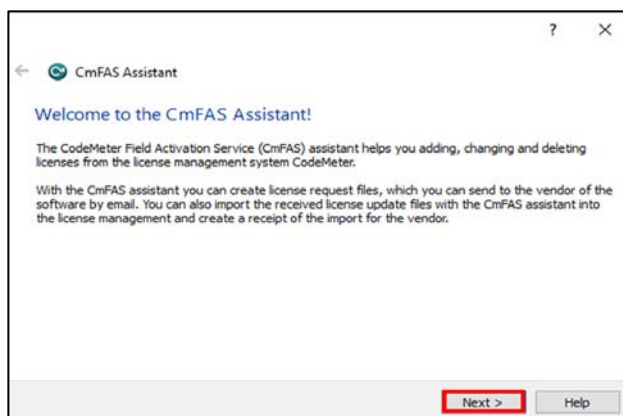
- (3) Open CodeMeter Control Center, and Copy & Drop the "License Request File template" on "License" of CodeMeter Control Center.



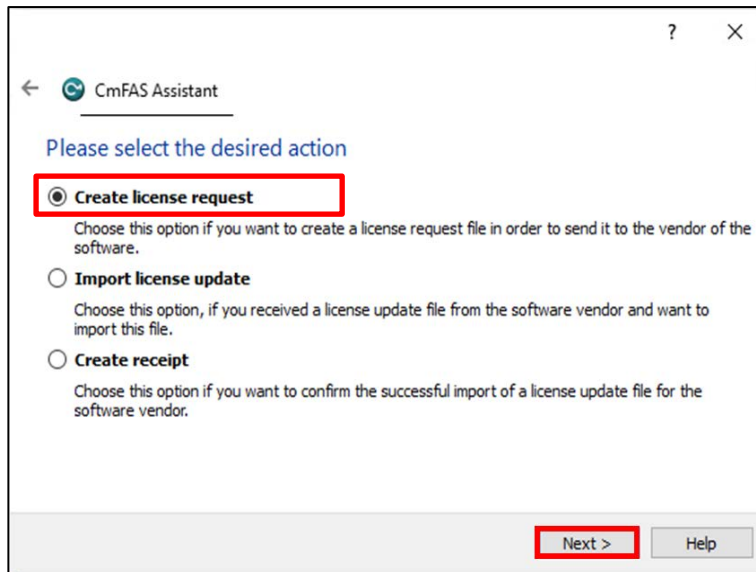
- (4) After placing "License Request File template", "Empty License Container" is displayed on "License" in CodeMeter Control Center. Select the added license container and click "Update License".



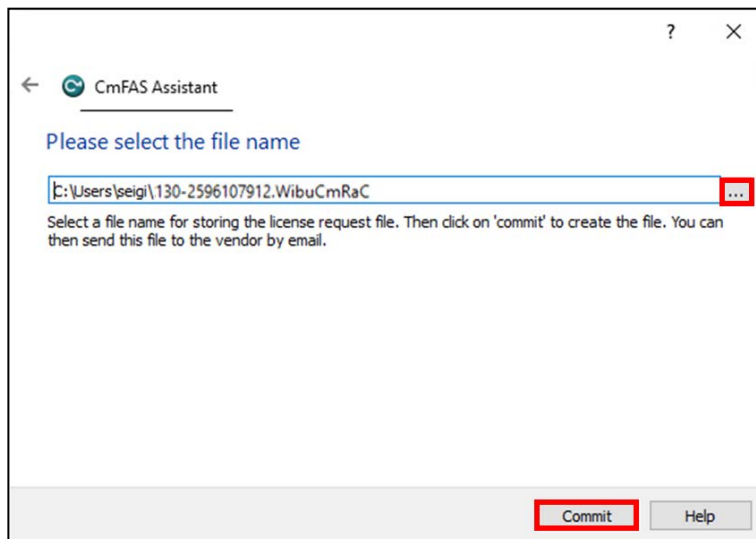
- (5) Click the "Next.>" button.



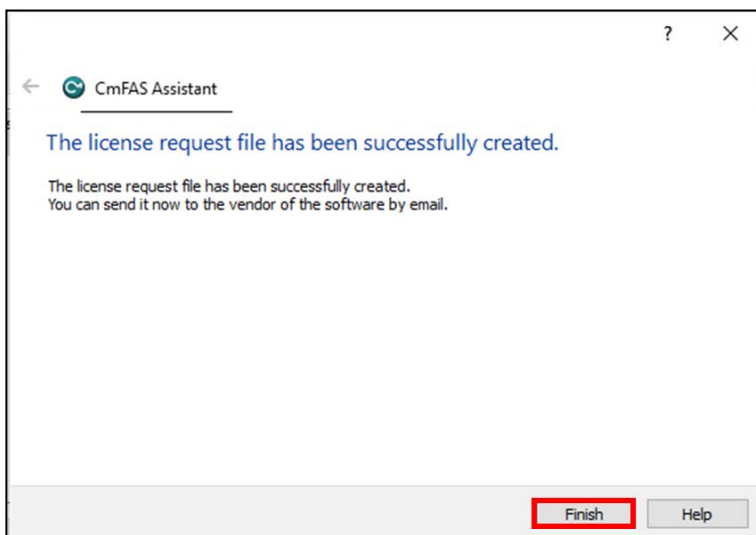
- (6) Check “Create license request” and click “Next”.



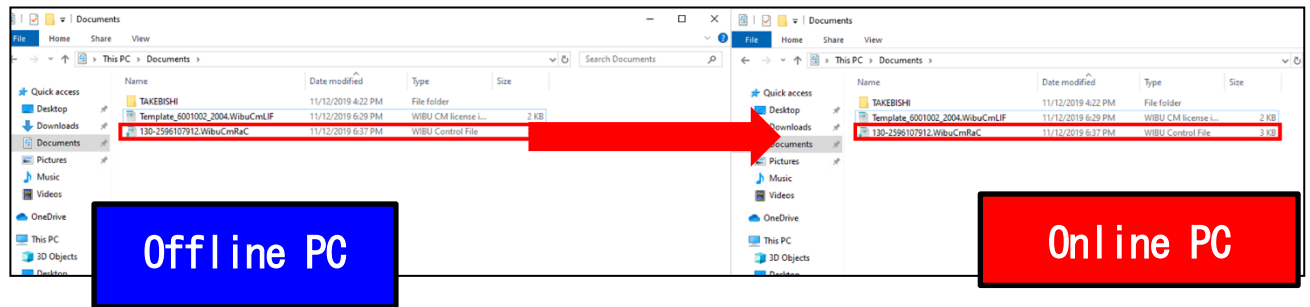
- (7) Save the created “License Request File ” in any folder, specify the save folder to save and click “Next”.



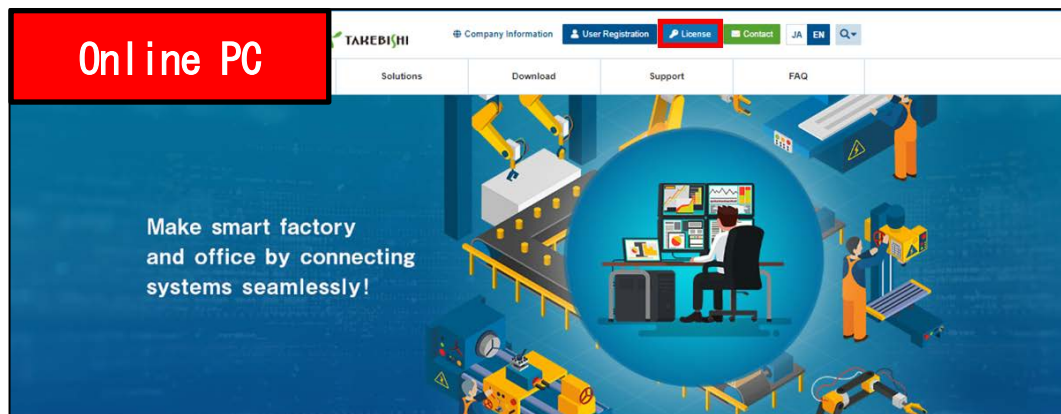
- (8) The “License Request File” is created, the following screen is displayed. Click “Finish”. Generation of a “License Request File” based on the template is completed by the above Procedures.



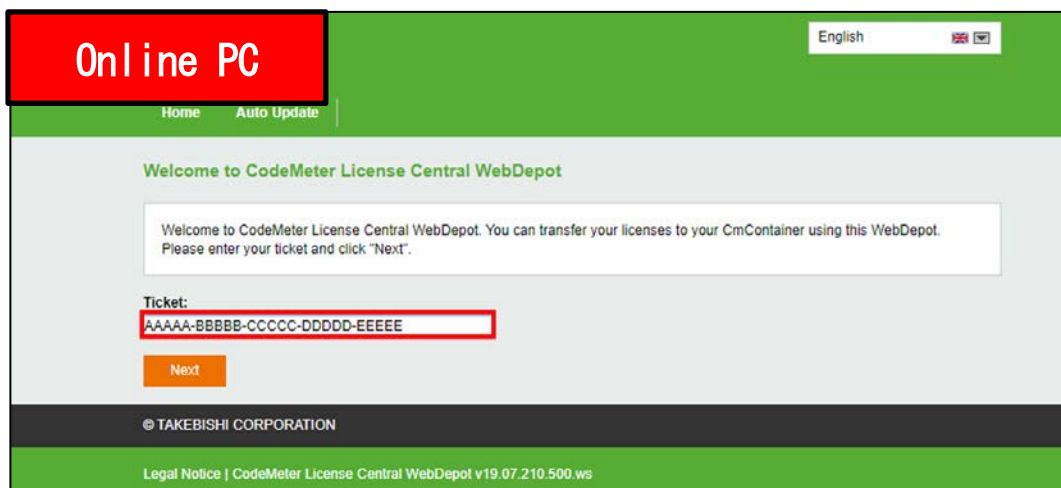
- (9) Transfer the "License Request File" that created in Offline PC to any folder on the Online PC.



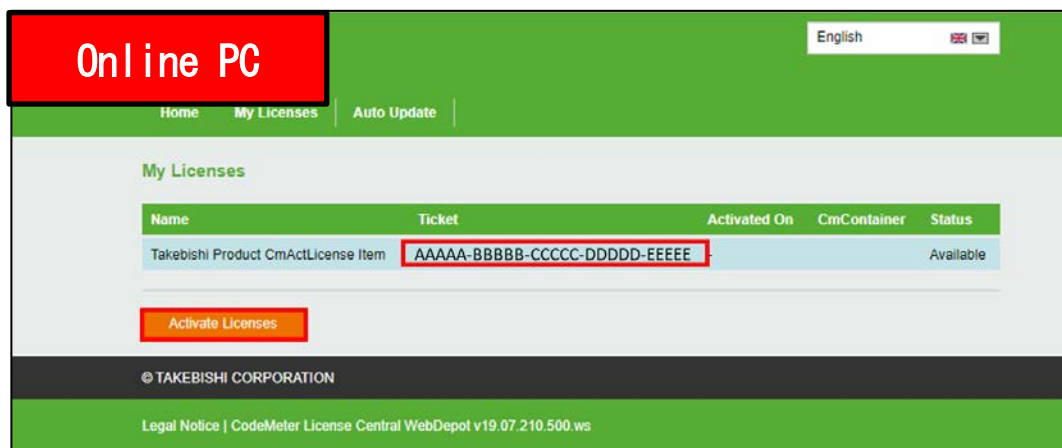
- (10) Open the license registration web page("License") in FAWEB on the Online PC.
("License" in FAWEB : <http://license.faweb.net/index.php>)



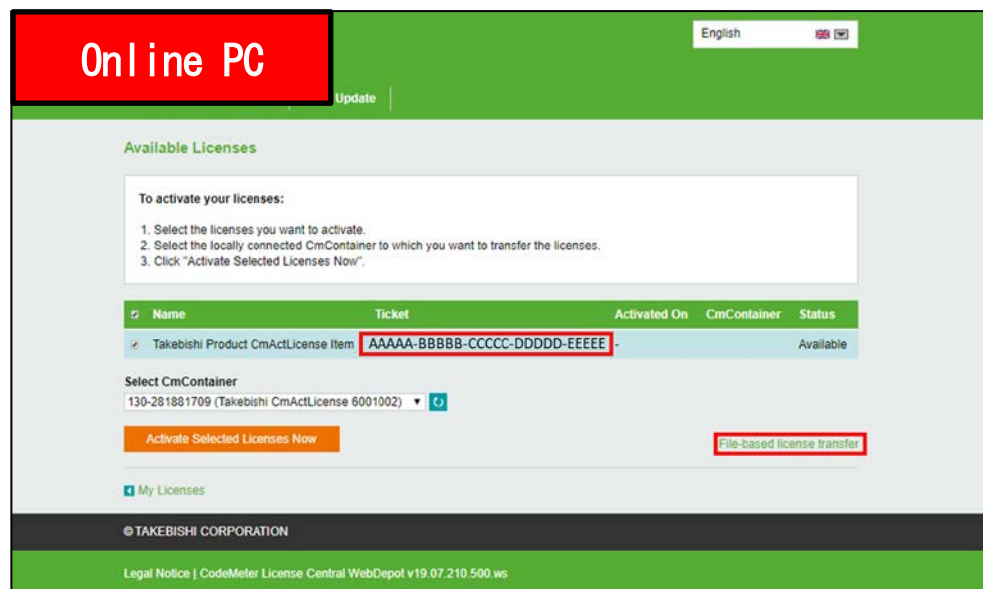
- (11) Input the ticket ID in the "Ticket:", which you acquired at user registration on the license registration page, and click "Next".



(12) My Licenses screen is displayed. Confirm that the ticket ID is correctly filled, and click "Activate Licenses".



(13) Available Licenses screen is displayed. Click "Offline License Transfer". Click "File-based license transfer".



- (14) The following screen is displayed. Click on "Select File" and select the "License Request File" that transferred in procedure (9). Then click on "Start Activation Now".

Online PC English

Auto Update

Available Licenses

Upload Request Download Update Upload Receipt

To activate your licenses via file transfer - First step "Upload Request":

If you have activated licenses from this ticket already, you can transfer additional licenses into the same CmContainer(s). If you want to use another CmContainer, you need a license request file of this new CmContainer.

1. Select an already used CmContainer or create a license request file with Firm Code 6001002 for the CmContainer where you want to transfer the licenses to. This file can for example be created with CodeMeter Control Center. [How it works](#)
- a. Start CodeMeter Control Center on the computer where the desired CmContainer is.
- b. Select this CmContainer. If no CmContainer is present on that computer, you can download a template here: [Download template now](#). Import this template by dragging the downloaded file to CodeMeter Control Center.
- c. Click "License Update".
- d. Follow the instructions of the "CmFAS Assistant". Choose the option "Create license request".
- e. Choose a filename for the license request file.
- f. Click "Commit" to save the license request file.
- g. Transfer the license request file that you just created to this computer.
2. Select the licenses you want to activate.
3. Select the created license request file.
4. Click "Continue".

Name	Ticket	Activated On	CmContainer	Status
☒ Takebishi Product CmActLicense Item	AAAAA-BBBBBB-CCCCC-DDDDD-EEEE			Available

Select an already used CmContainer

No CmContainer found!

or

Pick a license request file (*.WibuCmRaC) of another CmContainer

C:\Users\seini\Documents\130-2596107912 WibuCmRaC **Browse...**

Start Activation Now Direct license transfer

My Licenses

© TAKEBISHI CORPORATION

Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws

- (15) Click "Download License Update File Now" to create the "License Update File".

Online PC English

Home My Licenses Auto Update

Download License Update File

Upload Request ✓ Download Update Upload Receipt

To transfer your licenses via file - Second step "Download Update":

1. Click "Download License Update File Now" and save the file on your computer.
2. Import this license update file to the CmContainer with Serial 130-2596107912. This file can for example be imported with CodeMeter Control Center. [How it works](#)
3. After you have successfully transferred the license update file to the CmContainer, click "Next" to confirm the license transfer.

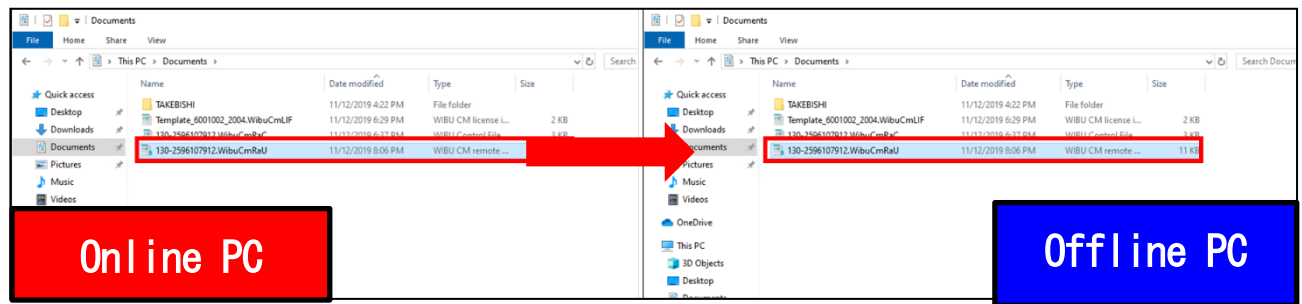
Download License Update File Now Next Direct license transfer

My Licenses

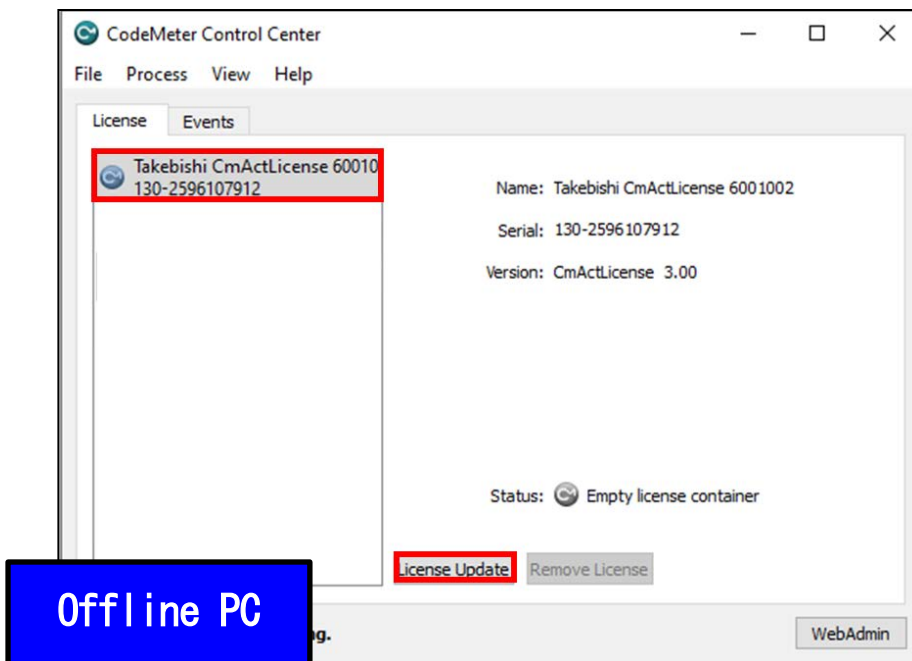
© TAKEBISHI CORPORATION

Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws

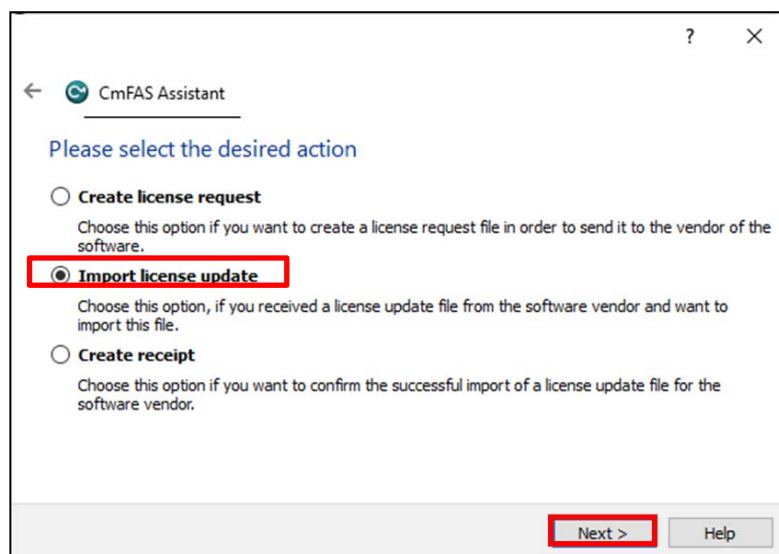
(16) Copy the "License Update File" to any location on offline PC.



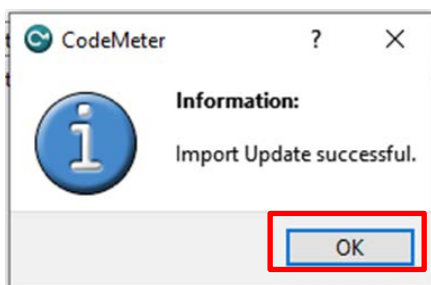
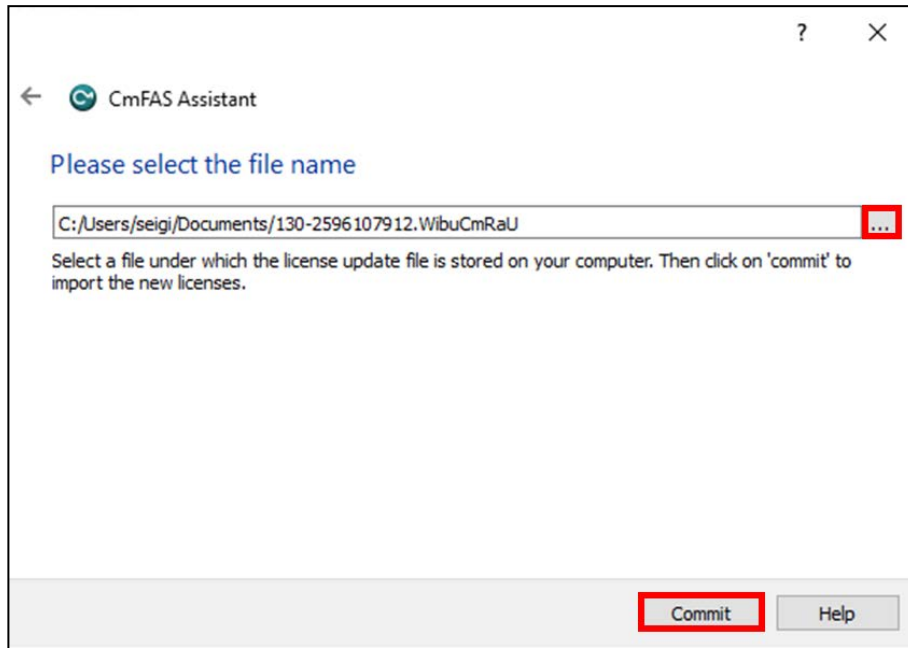
(17) Start CodeMeter Control Center on an Offline PC. Select the license that is "Empty license container" and Click "License Update".



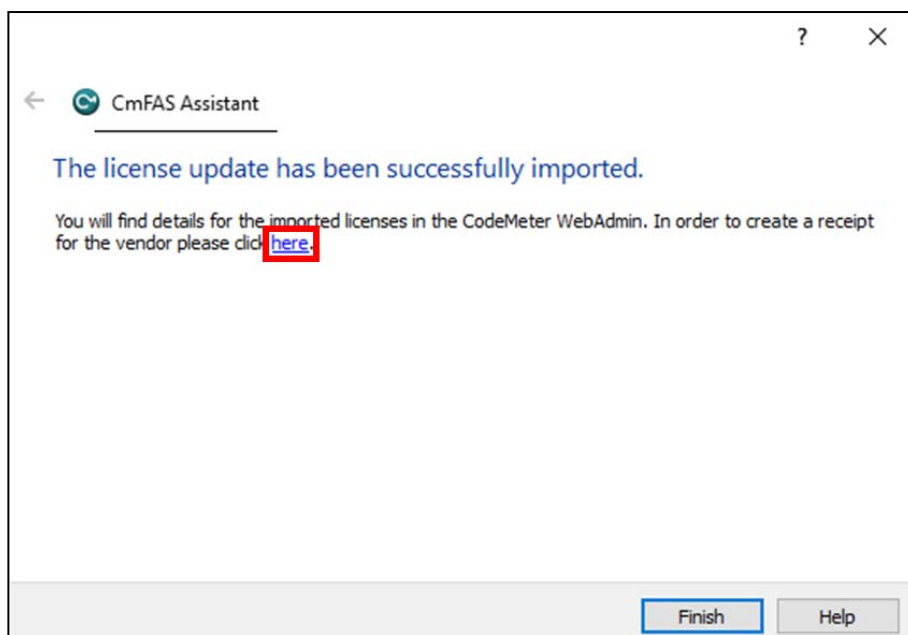
(18) Check "Import license update" and click "Next".



(19) Select “License Update File” saved in Offline PC and click “Commit”.



(20) To confirm that the license of the Offline PC has been updated, create a receipt file from “here” on this screen.



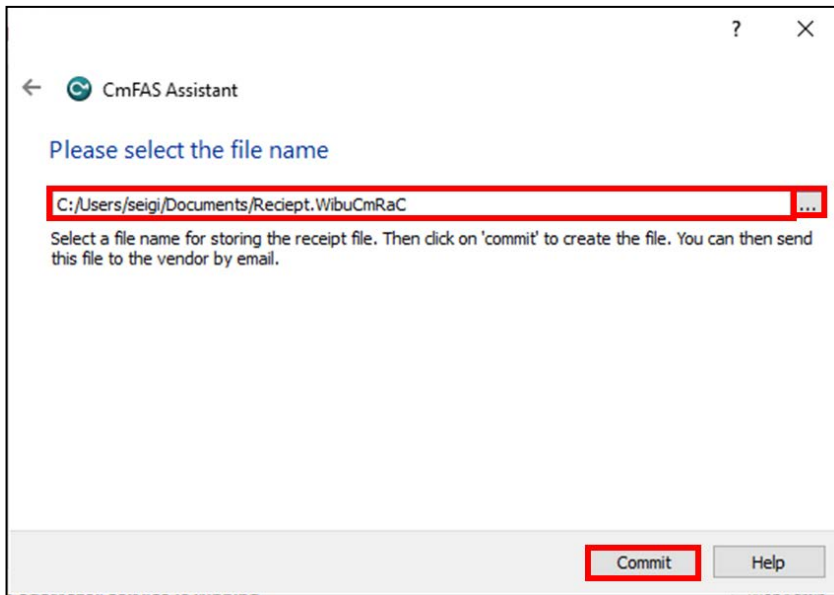
Important

When you activate the software key in an offline environment, you must create a receipt file and upload it to "License" page in FAWEB. Unless you upload the receipt file, you will not be able to perform some operations such as

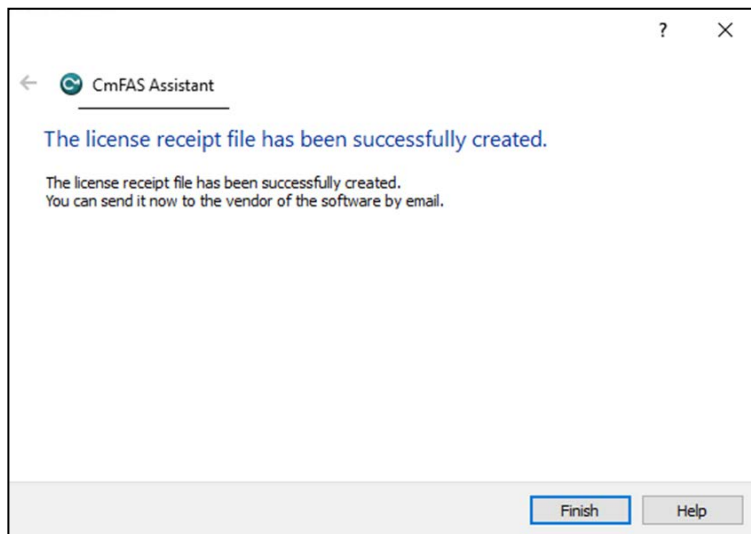
disabling the software key.

(21) Specify any folder and save the created receipt on the Offline PC and click “Commit”.

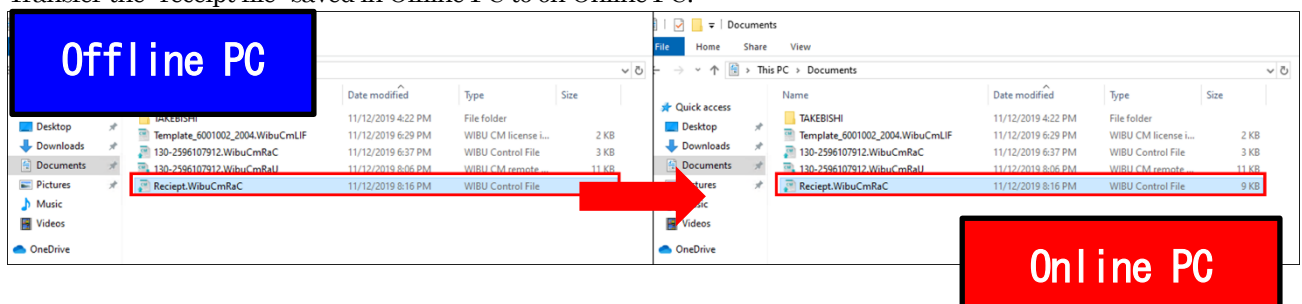
*The file is generated with the same name as the "online request file", change the file name if necessary.



(22) When the created license file is saved, the following screen is displayed.



(23) Transfer the “receipt file” saved in Offline PC to on Online PC.



- (24) Open the license registration web page on the Online PC and upload the receipt transferred from the Offline PC. Click "Select File" and select the "receipt file".

Online PC English

Home My Licenses Auto Update

Confirm License Transfer

Upload Request ✓ Download Update Upload Receipt

To transfer your licenses via file - Third step "Upload Receipt":

1. Create a license receipt file from the CmContainer with Serial 130-2596107912 and Firm Code 6001002. This file can for example be created with CodeMeter Control Center. [How it works](#)
2. Select the created license receipt file.
3. Click "Upload Receipt Now".

If you haven't imported the license update file yet, you can download it again. Click "Back" to get to the download page.

Pick license receipt file (*.WibuCmRaC)

Choose File No file chosen

Upload Receipt Now Back

Direct license transfer

[My Licenses](#)

© TAKEBISHI CORPORATION

Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws

- (25) After selecting "Receipt File", click "Upload Receipt Now".

To transfer your licenses via file - Third step "Upload Receipt":

1. Create a license receipt file from the CmContainer with Serial 130-2596107912 and Firm Code 6001002. This file can for example be created with CodeMeter Control Center. [How it works](#)
2. Select the created license receipt file.
3. Click "Upload Receipt Now".

If you haven't imported the license update file yet, you can download it again. Click "Back" to get to the download page.

Pick license receipt file (*.WibuCmRaC)

Choose File Receipt.WibuCmRaC

Upload Receipt Now Back

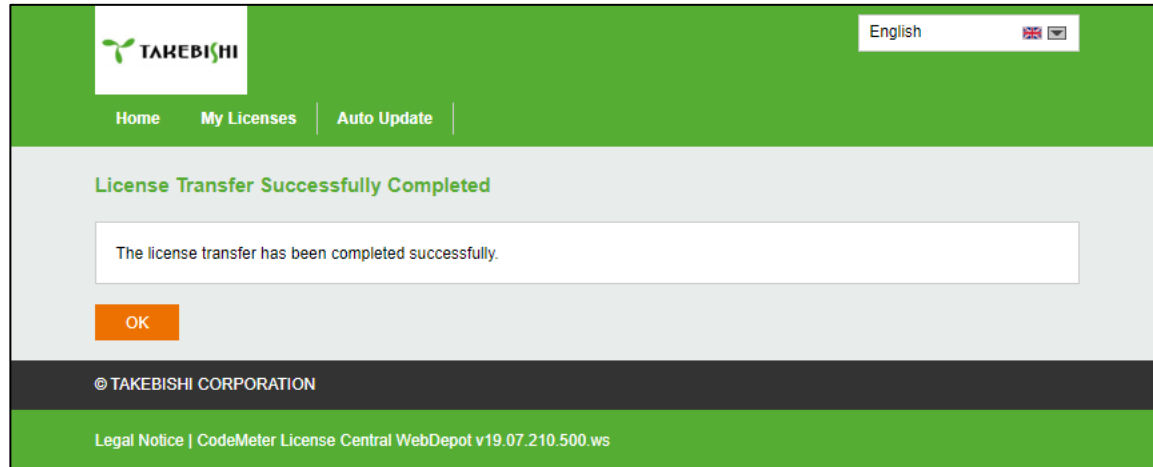
Direct license transfer

[My Licenses](#)

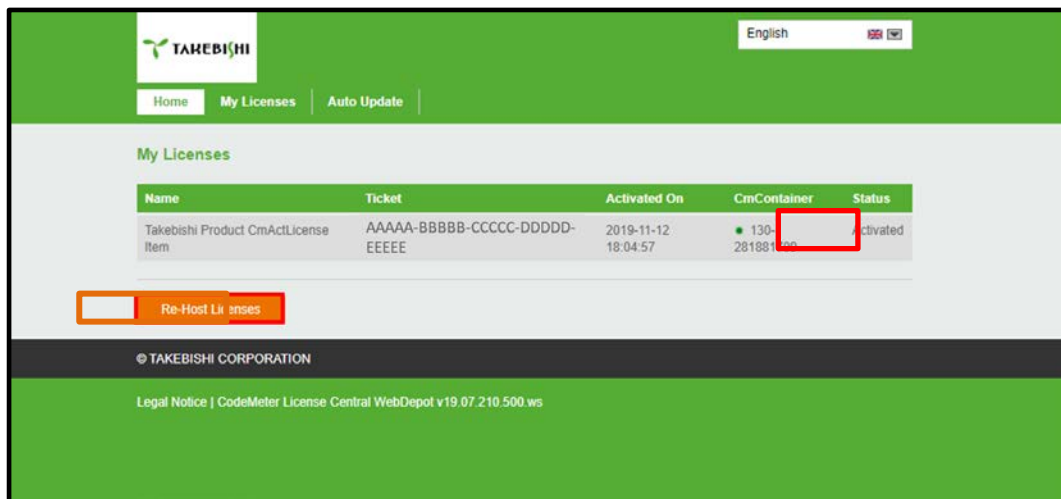
© TAKEBISHI CORPORATION

Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws

(26) When uploading of “receipt file” is completed, the following screen is displayed.

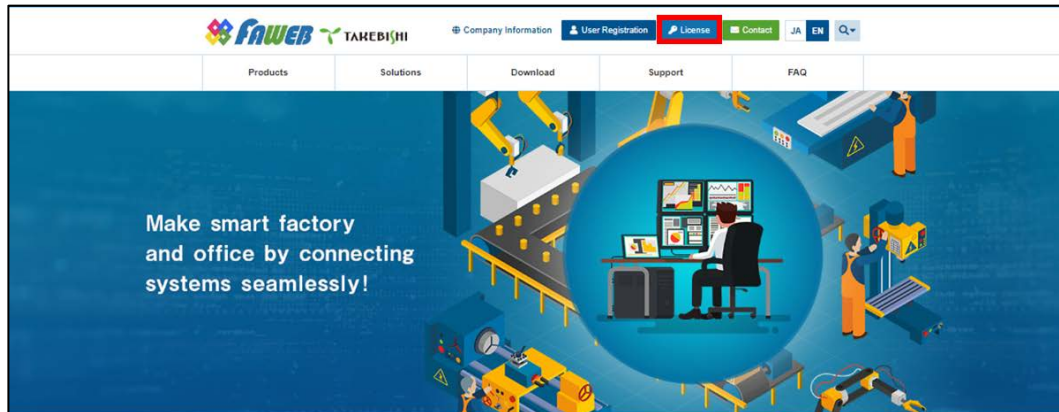


(27) When you click “OK”, the following screen is displayed and Software Key Activation for the Offline PC is complete.



3.12 Deactivate the Software Key (Online)

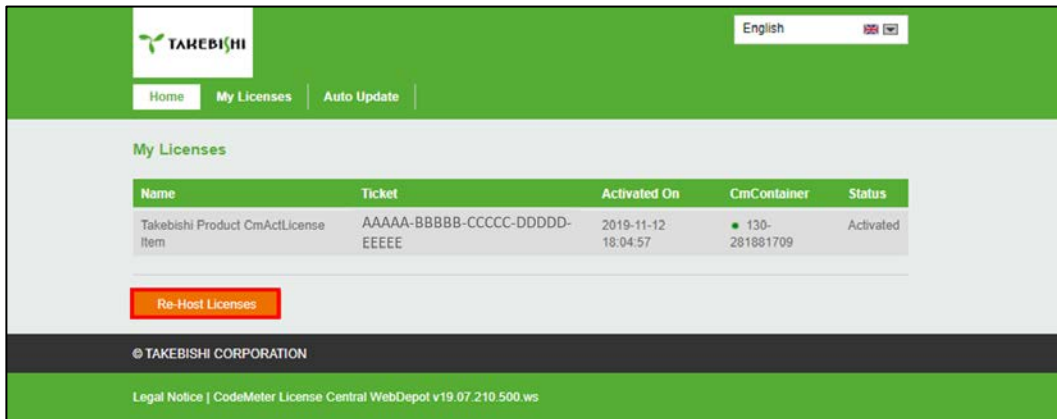
- (1) Open the license registration web page ("License" <http://license.faweb.net/index.php>) in FAWEB.



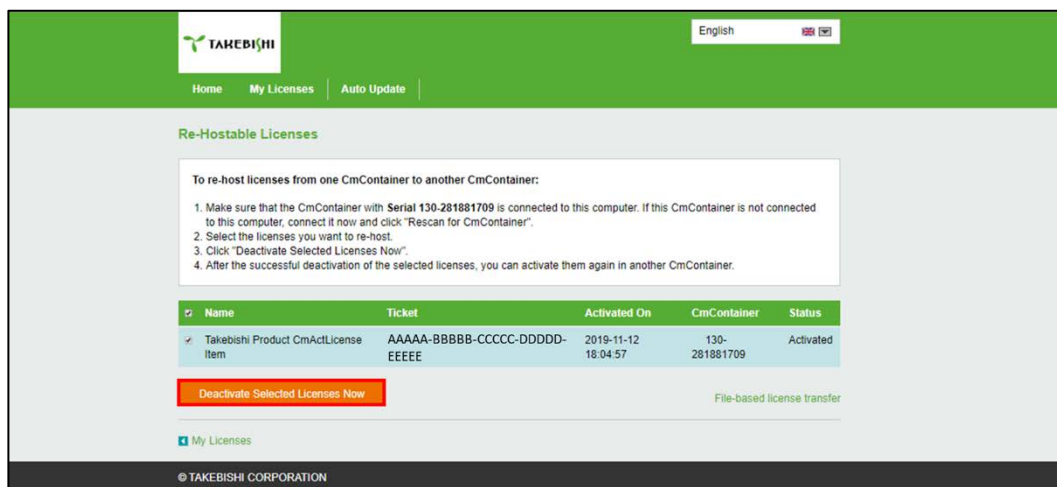
- (2) Input the ticket ID in the "Ticket:", which you acquired at user registration on the license registration page, and click "Next". (Ticket ID linked to product serial number.)

The screenshot shows the CodeMeter License Central WebDepot registration page. It has a green header with the TAKEBISHI logo and a language selector set to "English". Below the header, there's a section titled "Welcome to CodeMeter License Central WebDepot". A message box says: "Welcome to CodeMeter License Central WebDepot. You can transfer your licenses to your CmContainer using this WebDepot. Please enter your ticket and click 'Next'." Below this, there is a "Ticket:" label and a text input field containing the placeholder text "AAAAA-BBBBBB-CCCCC-DDDDD-EEEE". A red box highlights the input field. Below the input field is an orange "Next" button. The footer contains the copyright notice "© TAKEBISHI CORPORATION" and the version information "Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws".

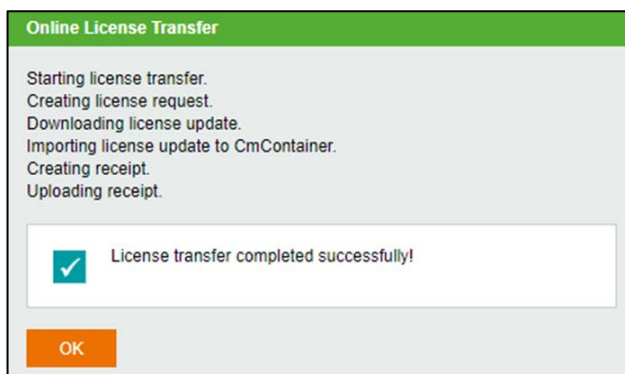
- (3) The screen will change to the My License Display screen. In order to proceed 'deactivate the software key', Click "Re-host Licenses".



- (4) "Re-Hostable Licenses" screen is displayed. Click "Deactivate Selected License Now".



- (5) The following screen is displayed when process is completed.
When the message "License transfer completed successfully!" is displayed, Software Key Activation is complete.

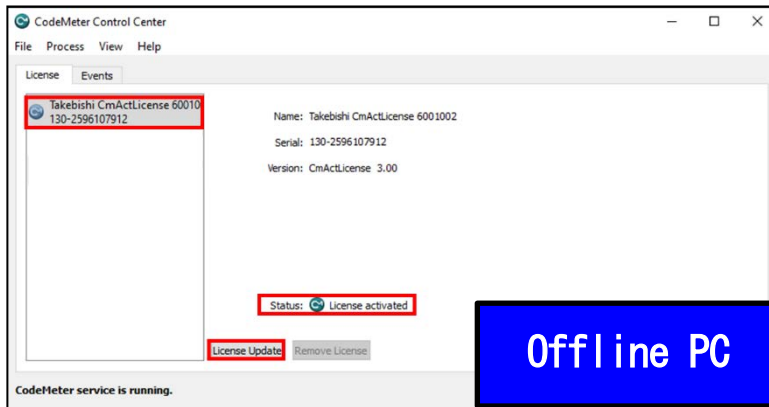


3.13 Deactivate the Software Key (Offline)

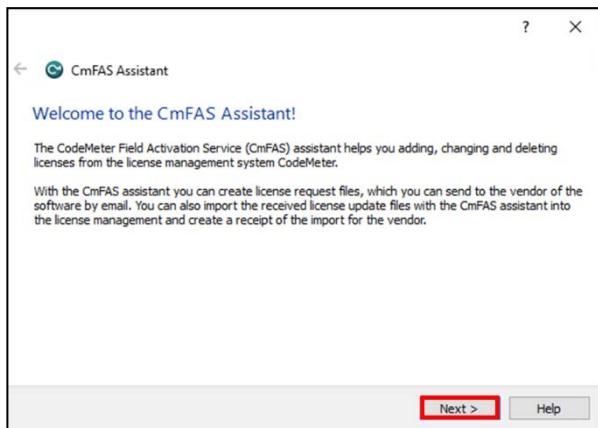
The following shows the procedure for deactivate the software key when the PC on which DeviceXPlorer is installed cannot connect to the Internet.

* Use a PC that can access the Internet (hereinafter referred to as Online PC) to transfer the software key of the PC (hereinafter referred to as Offline PC) where DeviceXPlorer that cannot access the Internet is installed.

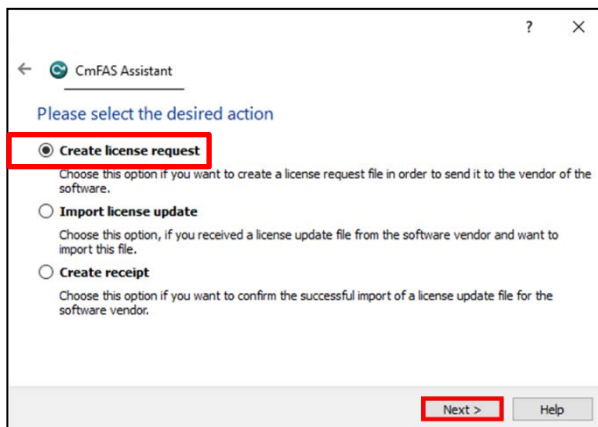
- (1) Open "CodeMeter Control Center" on the Offline PC.
Select the license you want to transfer, and click "License Update".



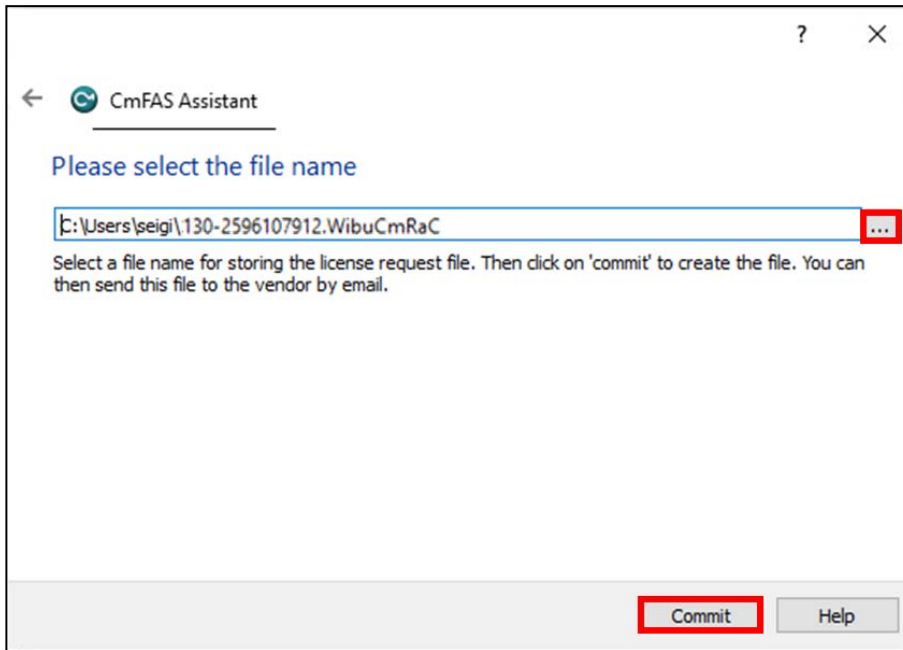
- (2) Click the "Next".



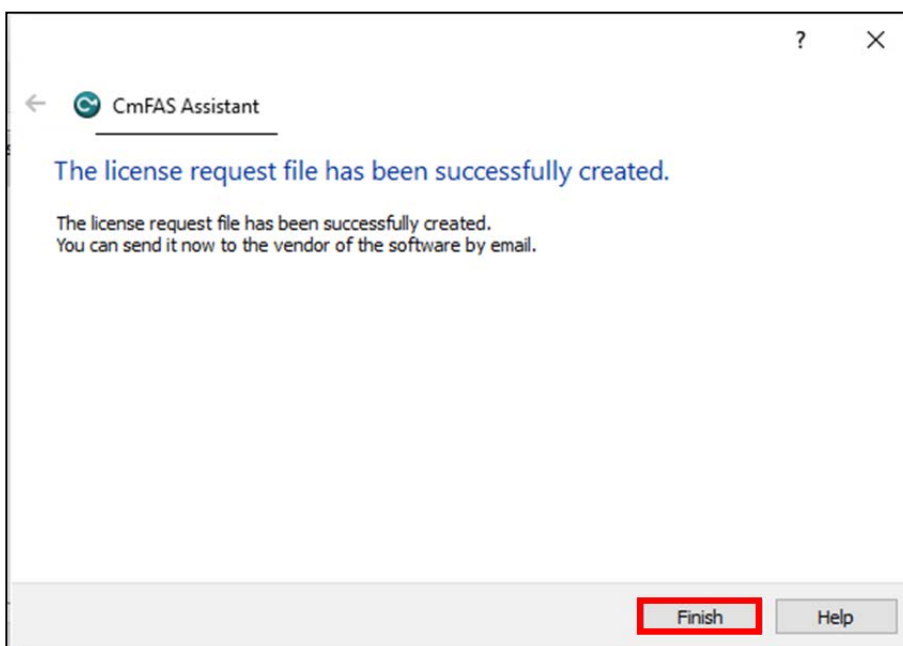
- (3) Check "Create license request" and click "Next".



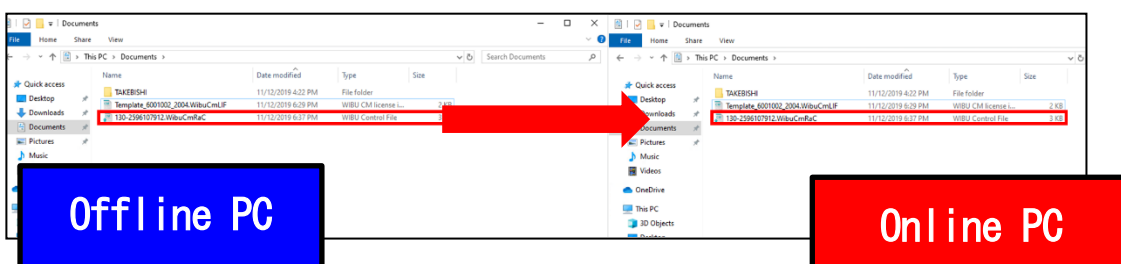
- (4) Save the created “License Request File” in any folder, click “Commit”.



- (5) The “License Request File” is created, the following screen is displayed. Click “Finish”.



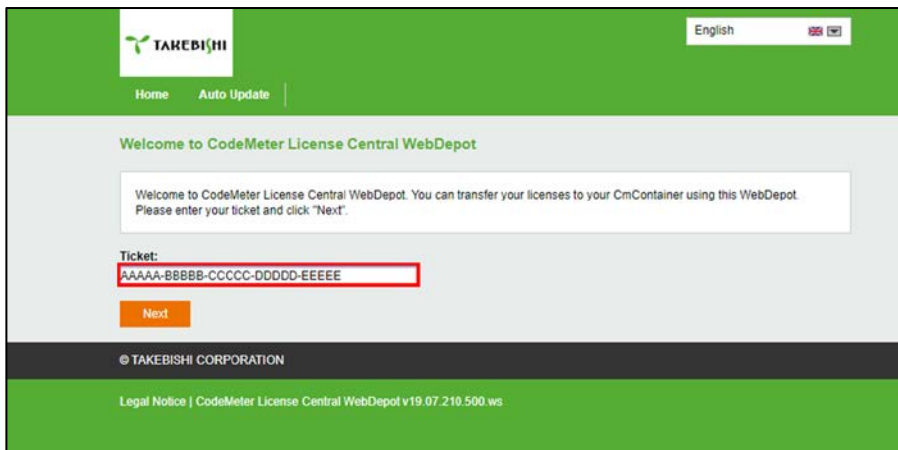
- (6) Copy the “License Request File” from the folder of the Offline PC to the Online PC.



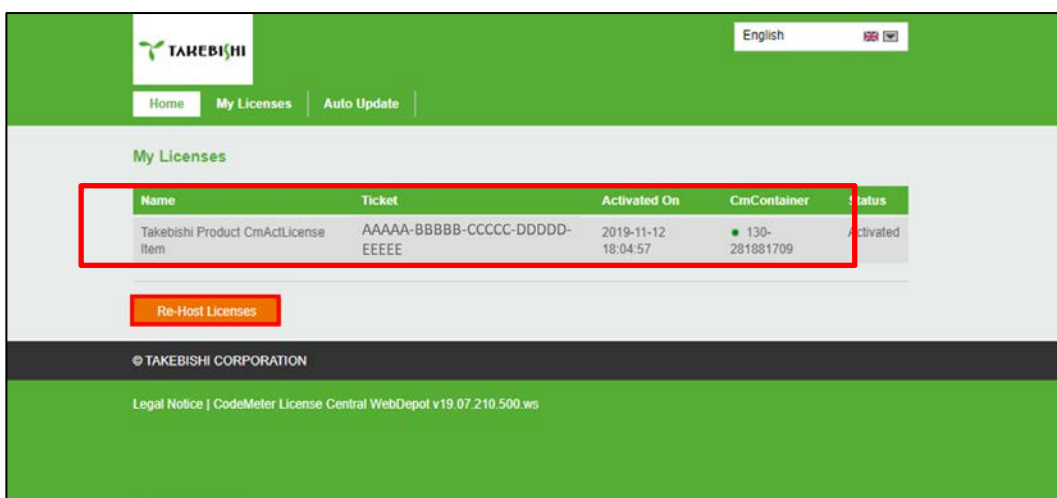
- (7) Open the license registration web page ("License") in FAWEB.
 (The license registration web page: <http://license.faweb.net/index.php>)



- (8) Input the ticket ID got at the time of user registration, and click "Next".
 (Ticket ID linked to product serial number is issued.)



- (9) My Licenses screen is displayed. (The license installed on the offline PC is displayed.)
 Click on "Re-Host license" to proceed the procedure of deactivating the software key.



- (10) The following screen is displayed. Click "File-based license transfer".
 *An error message may displayed, which is no problem.
 This is because the selected license does not exist on the Online PC.

The screenshot shows the 'Online PC' interface. At the top, there is a red banner with 'Online PC' and a language dropdown set to 'English'. Below this is a navigation bar with 'Home', 'My Licenses', and 'Auto Update'. The main content area is titled 'Re-Hostable Licenses' and contains instructions for re-hosting licenses. Below the instructions is a table of licenses:

Name	Ticket	Activated On	CmContainer	Status
Takebishi Product CmActLicense Item	W7XNE-J6UQP-R4CRK-L3NLE-KY29P	2019-11-13 10:59:37	130-2596107912	Activated

Below the table, there is an error message box with a red 'X' icon:

Error
 The CmContainer with serial 130-2596107912 was not found. Please connect it to your PC or use file-based license transfer.
 0x1808810E
 CodeMeter License Central WebDepot v19.07.210.500.ws
 2019-11-13 06:41:30 (UTC)

At the bottom of the error box, there are two buttons: 'Rescan for CmContainer' and 'File-based license transfer' (which is highlighted with a red box).

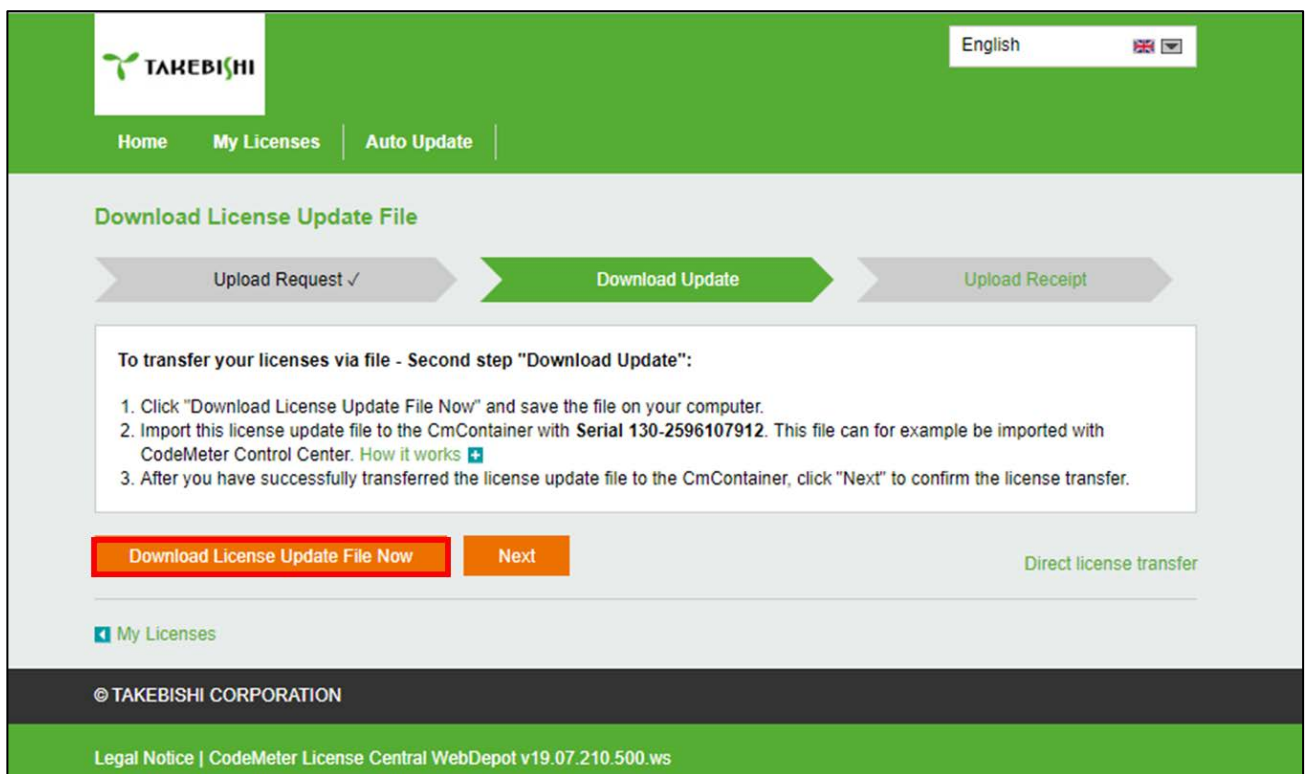
- (11) When the License Transfer screen is displayed, click 'Choose File' and select the 'License Request File' that you copied from your offline PC. Click on 'Upload Request and Continue Now'.

The screenshot shows the 'License Transfer' screen. At the top, there is a green banner with the 'TAKEBISHI' logo and a language dropdown set to 'English'. Below this is a navigation bar with 'Home', 'My Licenses', and 'Auto Update'. The main content area is titled 'Re-Hostable Licenses' and contains instructions for re-hosting licenses. Below the instructions is a table of licenses:

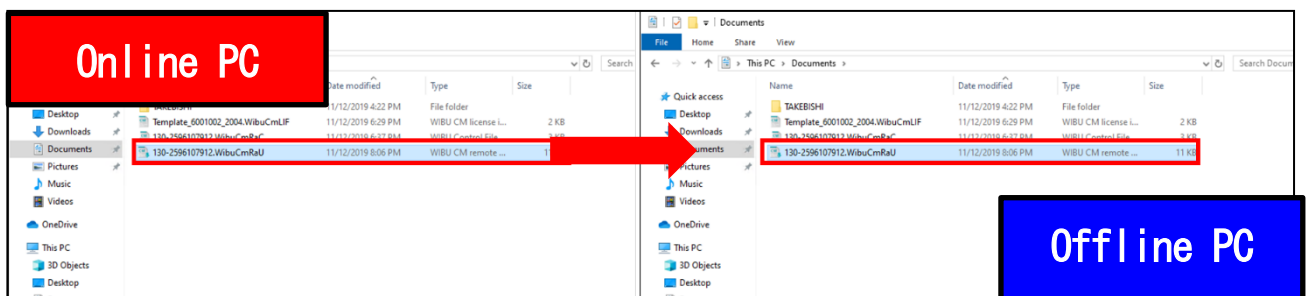
Name	Ticket	Activated On	CmContainer	Status
Takebishi Product CmActLicense Item	W7XNE-J6UQP-R4CRK-L3NLE-KY29P	2019-11-13 10:59:37	130-2596107912	Activated

Below the table, there is a section titled 'Pick license request file (*.WibuCmRaC)' with a 'Choose File' button and a 'No file chosen' message. Below this is a button labeled 'Upload Request And Continue Now' (highlighted with an orange box) and a link for 'Direct license transfer'.

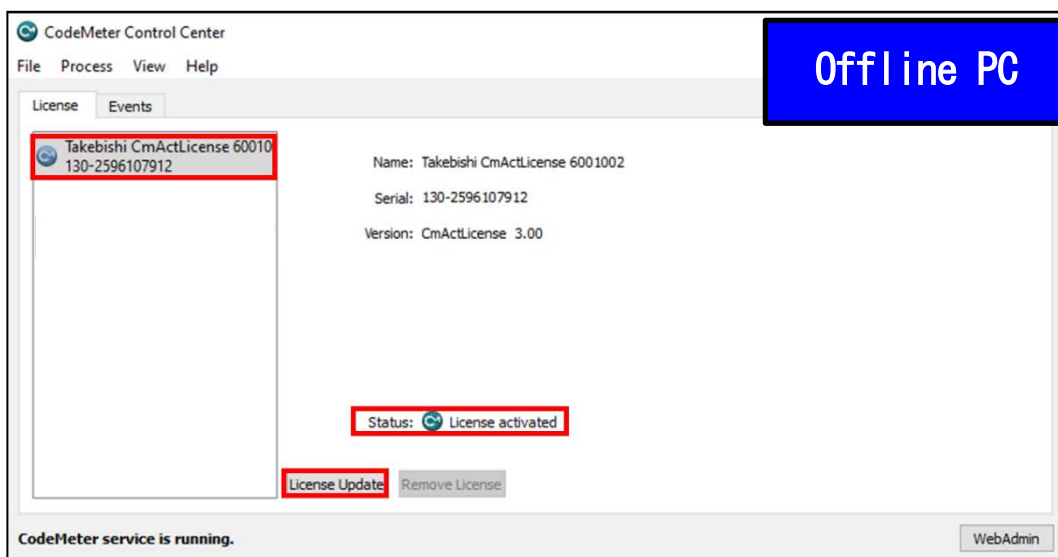
- (12) Create the "license update file" on the following Procedures.
Click "Download License Update File Now".



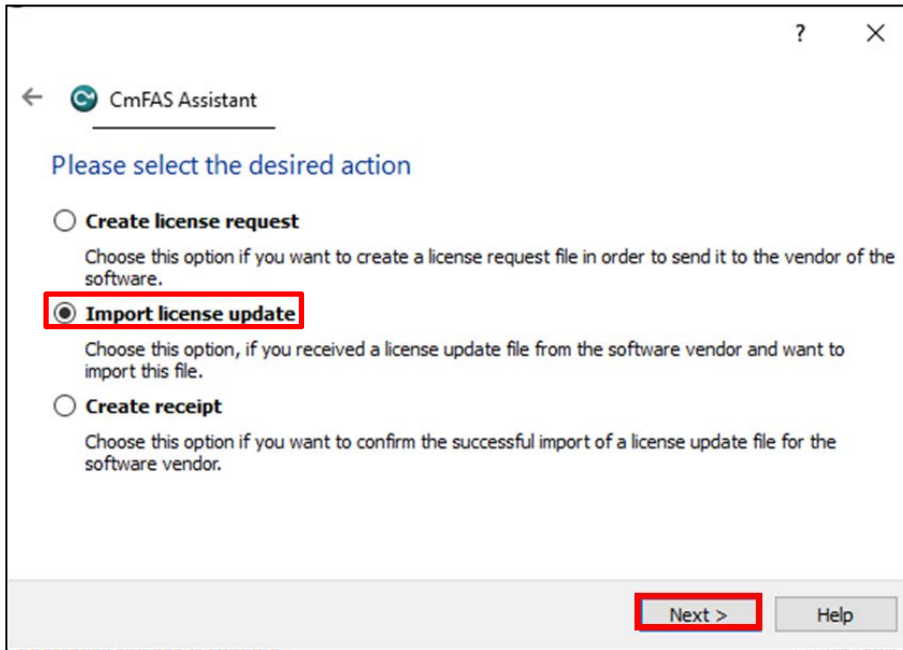
- (13) Copy the "License Update File" in any folder on the Offline PC.



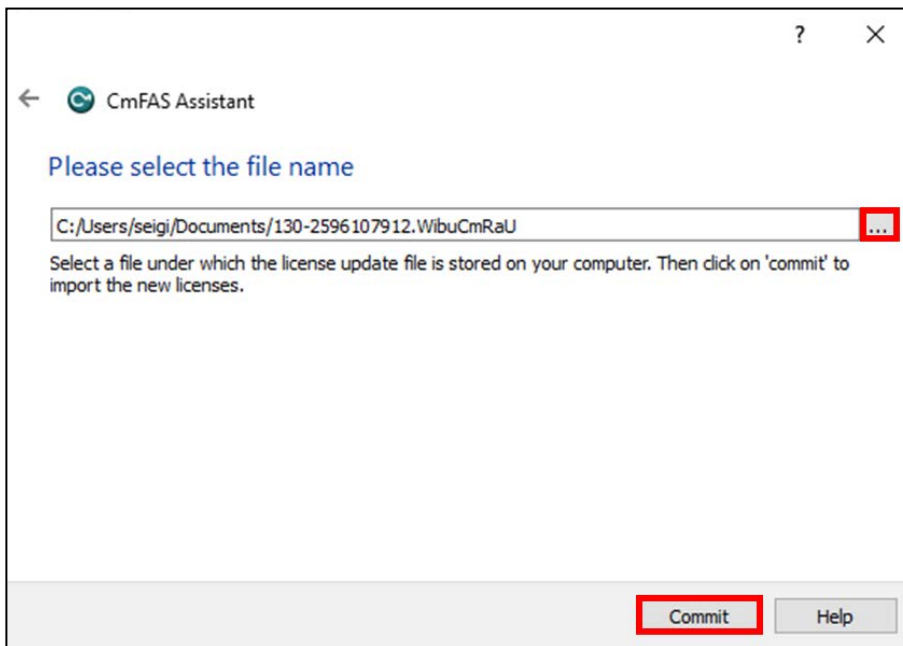
- (14) Start the CodeMeter Control Center on your offline PC. Select the license to deactivate and click "License Update".



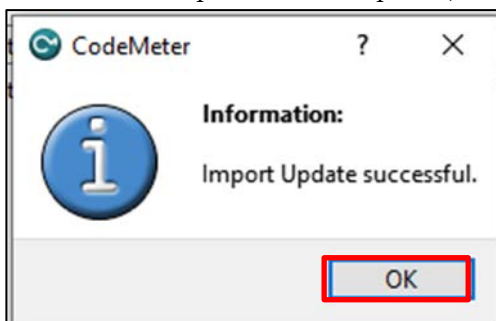
(15) When the following screen is displayed, select “Import license update” and click “Next”.



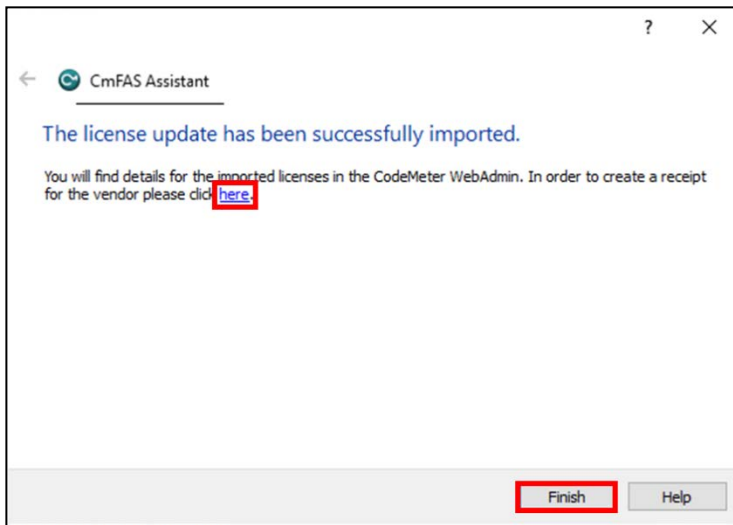
(16) Select “License Update File” saved in any folder and click “Commit”.



(17) When “License Update File” is imported, the following screen is displayed.



(18) To confirm that the license of the Offline PC has been updated, create a receipt file from “here” on this screen.

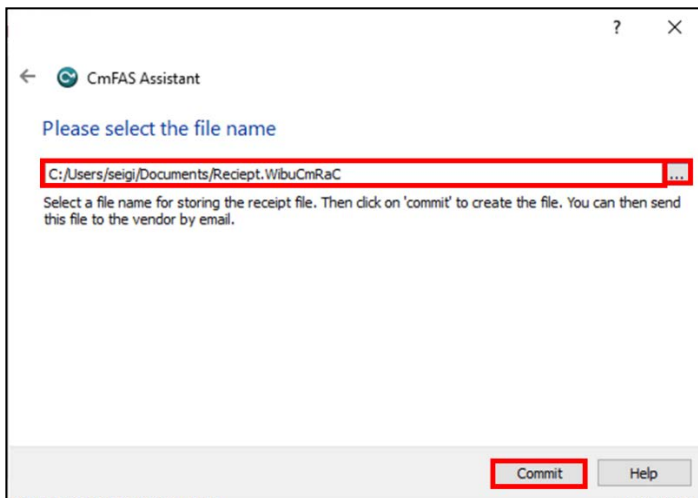


Important

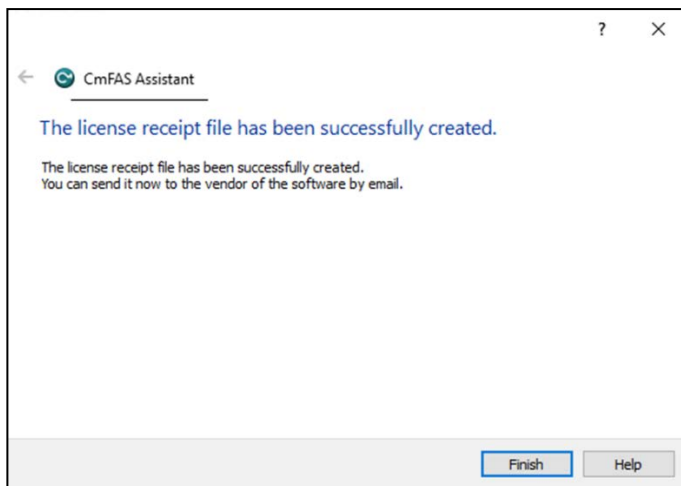
When you deactivate the software key in an offline environment, you must create a receipt file and upload it to "License" page in FAWEB. Unless you upload the receipt file, you will not be able to perform operations such as activating the software key.

(19) Specify where to save of the created receipt file in any folder on the Offline PC and click “OK”.

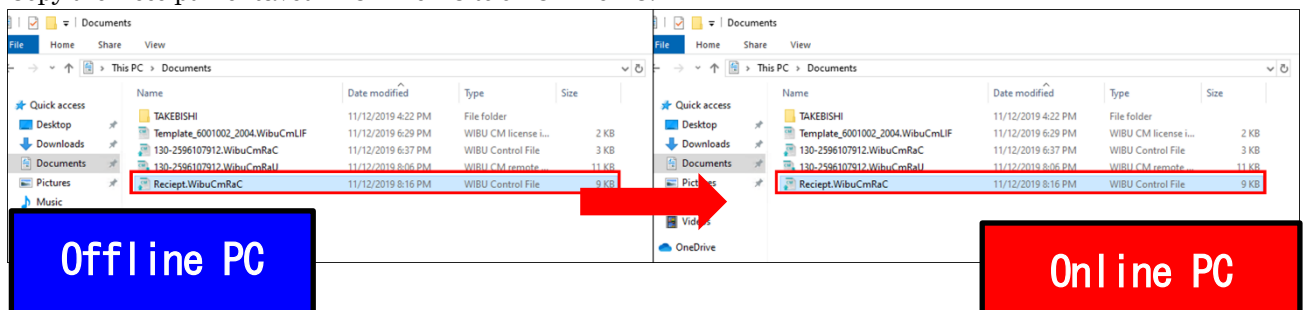
* The created “receipt file” is automatically named same as the “online request file”. Change the file name if necessary.



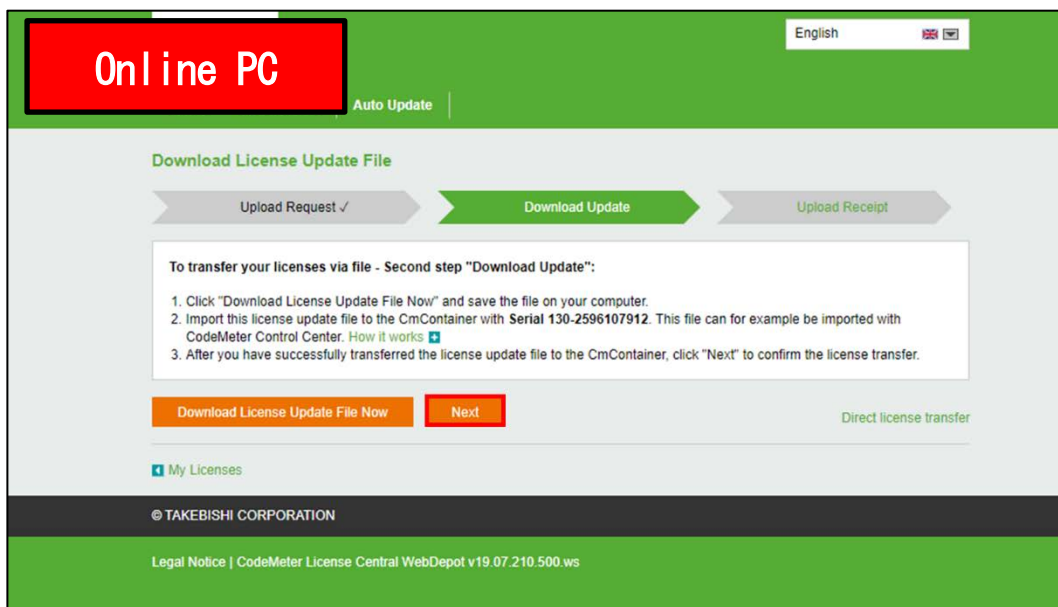
(20) When the created license file is saved, the following screen is displayed.



(21) Copy the “receipt file” saved in Offline PC to on Online PC.



(22) Open the license registration web page on the Online PC, click “Next”.



- (23) Upload the receipt file copied from the Offline PC. Click on "Choose File" and specify where to store the receipt file. After specifying the receipt file, click "Upload Receipt Now".

English

Online PC

Confirm License Transfer

Upload Request ✓ Download Update Upload Receipt

To transfer your licenses via file - Third step "Upload Receipt":

1. Create a license receipt file from the CmContainer with Serial 130-2596107912 and Firm Code 6001002. This file can for example be created with CodeMeter Control Center. [How it works](#)
2. Select the created license receipt file.
3. Click "Upload Receipt Now".

If you haven't imported the license update file yet, you can download it again. Click "Back" to get to the download page.

Pick license receipt file (*.WibuCmRaC)

Choose File | Receipt:WibuCmRaC

Upload Receipt Now Back

Direct license transfer

My Licenses

© TAKEBISHI CORPORATION

Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws

- (24) When "receipt file" is uploaded, the following screen is displayed to complete the deactivation of the software key.

English

TAKEBISHI

Home My Licenses Auto Update

License Transfer Successfully Completed

The license transfer has been completed successfully.

OK

© TAKEBISHI CORPORATION

Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws

When deactivation of the DeviceXPlorer on the Offline PC is completed, the status will be displayed as "Available".

English

TAKEBISHI

Home My Licenses Auto Update

My Licenses

Name	Ticket	Activated On	CmContainer	Status
Takebishi Product CmActLicense Item	AAAA-BBBB-CCCC-DDDD-EEEE	-		Available

Activate Licenses

© TAKEBISHI CORPORATION

Legal Notice | CodeMeter License Central WebDepot v19.07.210.500.ws

3.14 Using the Software Key in the Virtual Environment

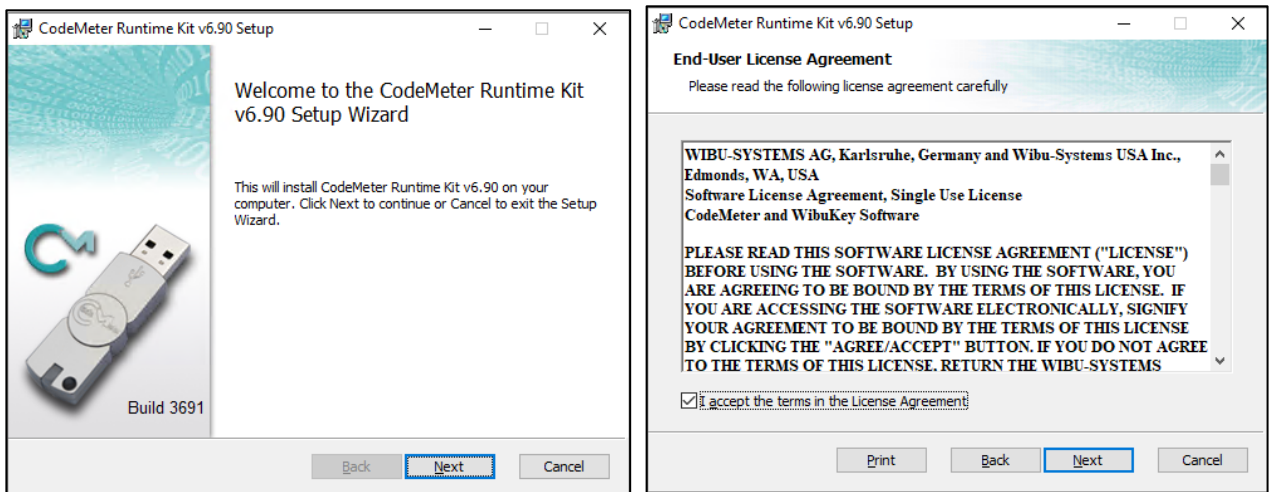
This section describes the procedure for using a hardware key license on a DeviceXPlorer in a virtual environment. Software key can be activate directly on the guest OS. However, the software key may not be activated correctly due to changes in the operating environment. Therefore, it is recommended to activate the software key on the host OS and use the license key from the guest OS.

Please follow the steps below to set up the host OS environment.

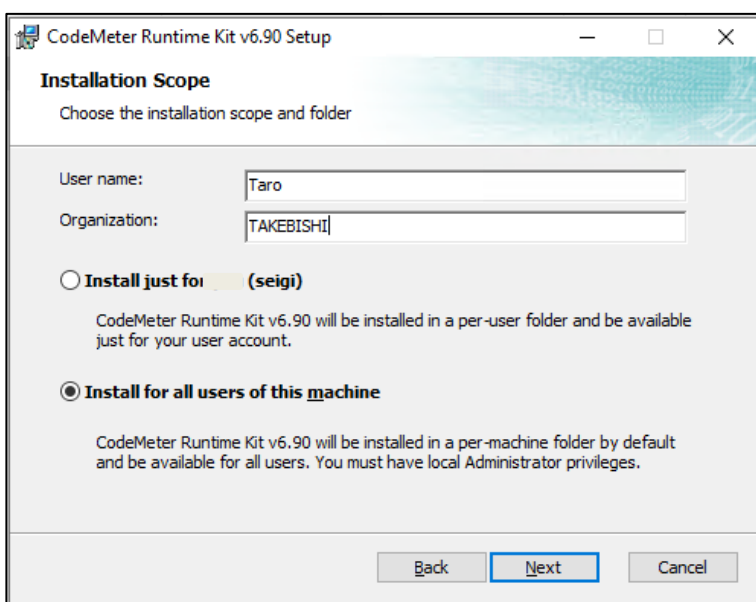
3.14.1 Set up CodeMeter Runtime on Host OS

In an environment where DeviceXPlorer is not installed, CodeMeter Runtime is required to be installed to use the license key.

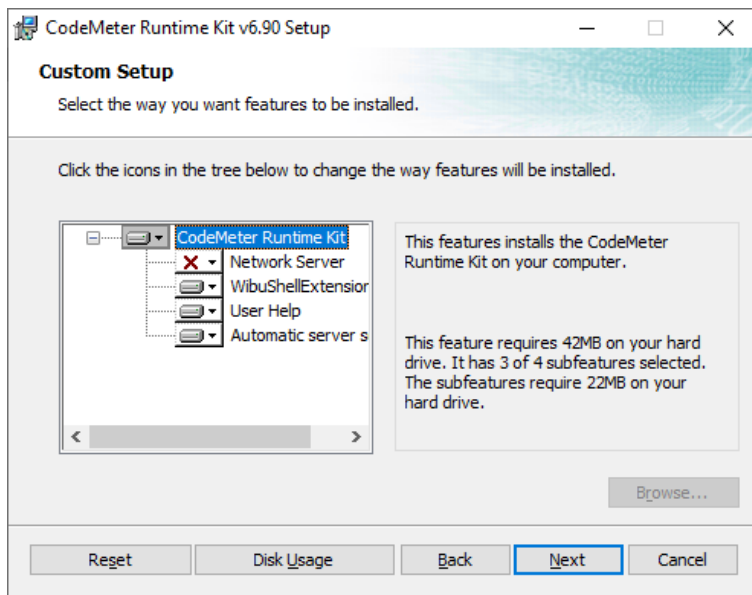
- (1) Download the "CodeMeter Runtime setup file From the FAWEB download page (<https://www.faweb.net/en/download/>), and install it.
- (2) When the setup screen starts, click "Next", check "I accept the license agreement", and click "Next".



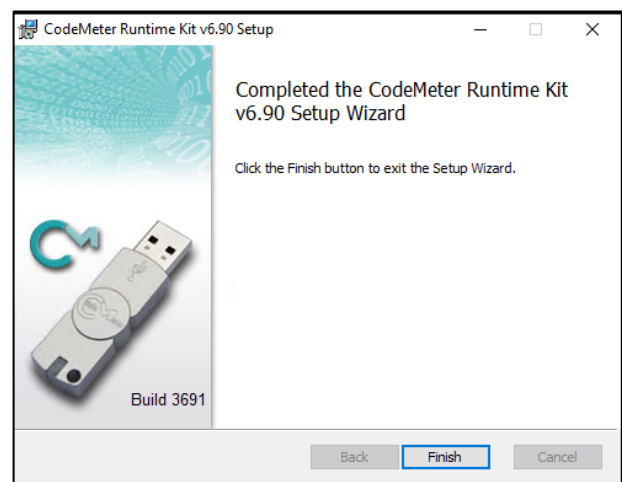
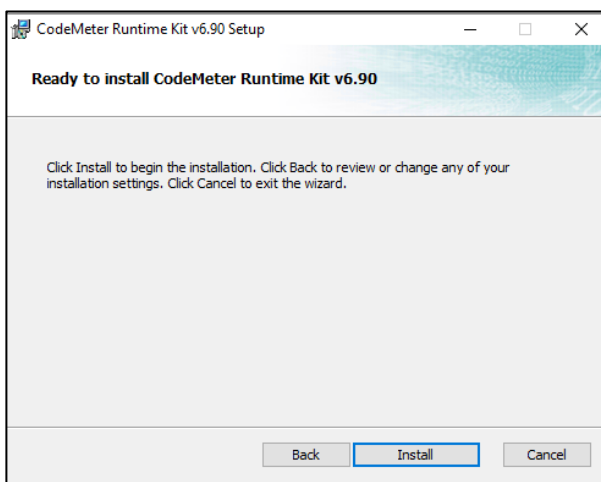
- (3) Input the user information, and click "Next".



- (4) Set the function to be set up as shown below, and click "Next".



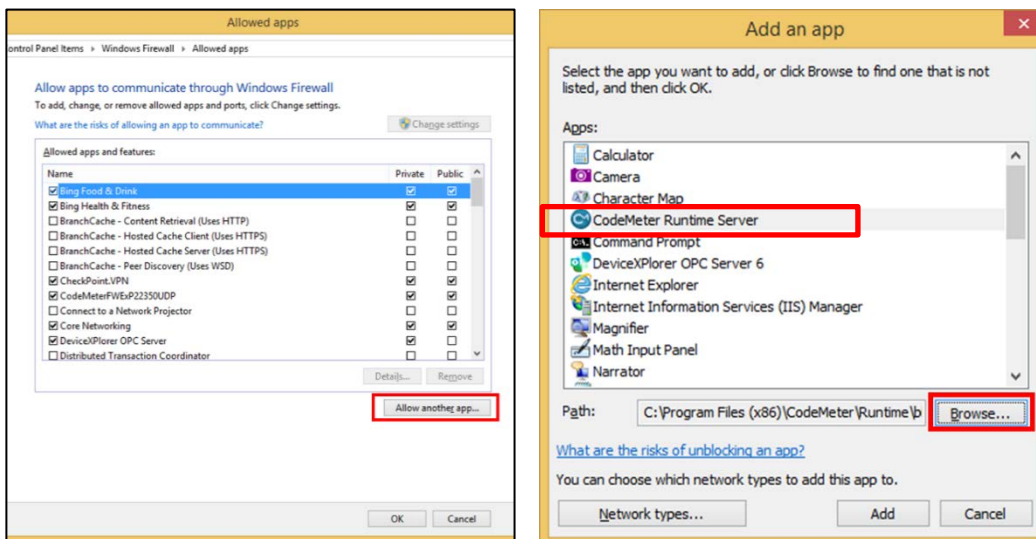
- (5) When the following screen displayed, click "Install" to start the installation.



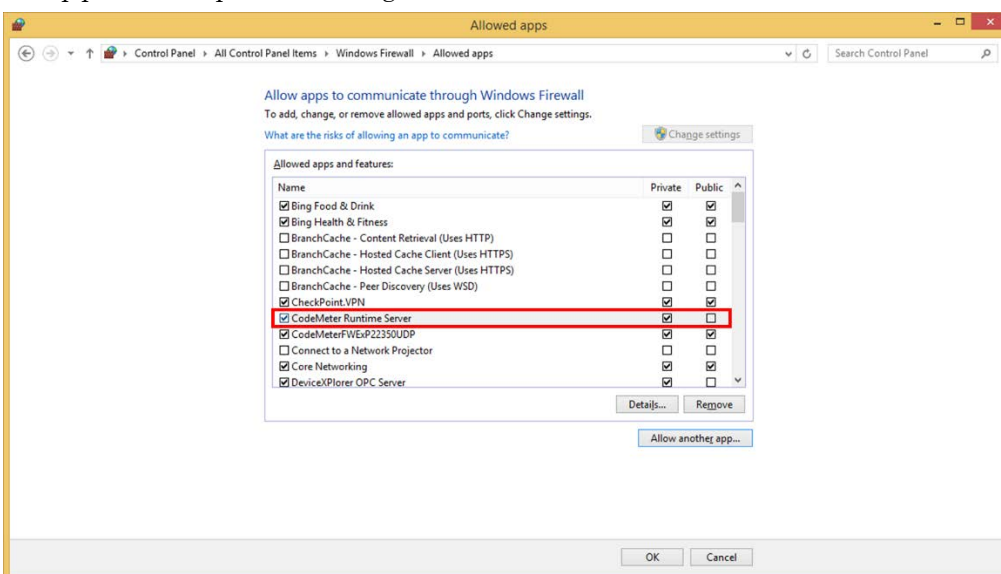
- (6) The following describes the procedure to allow communication through CodeMeter's firewall in the firewall settings of the host OS. Open the "Allow an app or feature through Windows Firewall". (Control Panel > System and Security > Windows Firewall)



- (7) Click the "Allow another app..." and add "CodeMeterRuntimeServer" from "Browse...". Allow communication through CodeMeter's firewall. Path: C:\Program Files (x86)\CodeMeter\Runtime\bin\CodeMeter.exe



- (8) Set up private and public according to the network environment.



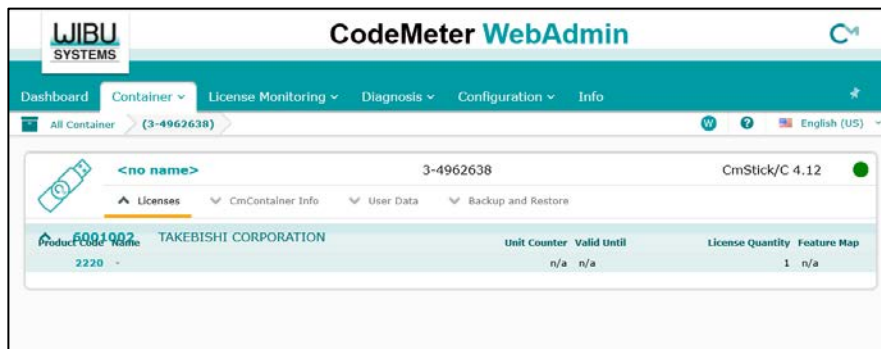
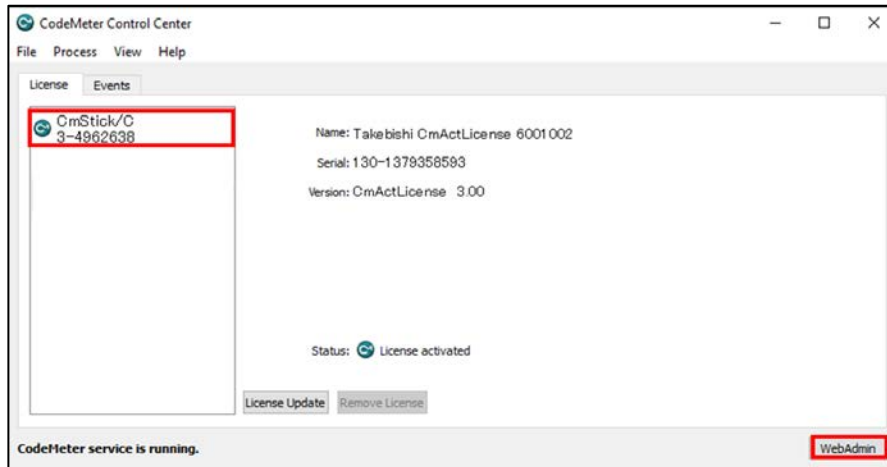
3.14.2 License activation on the host OS

Hardware key: Attach the hardware key to the host OS.

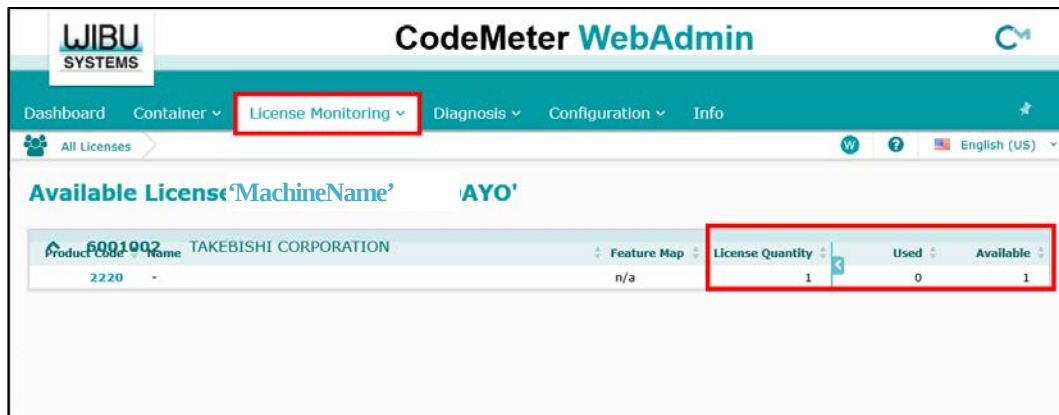
Software key: Activate the software key on the host OS, Please refer to Software key activation procedure.

3.14.3 License server activation on the host OS

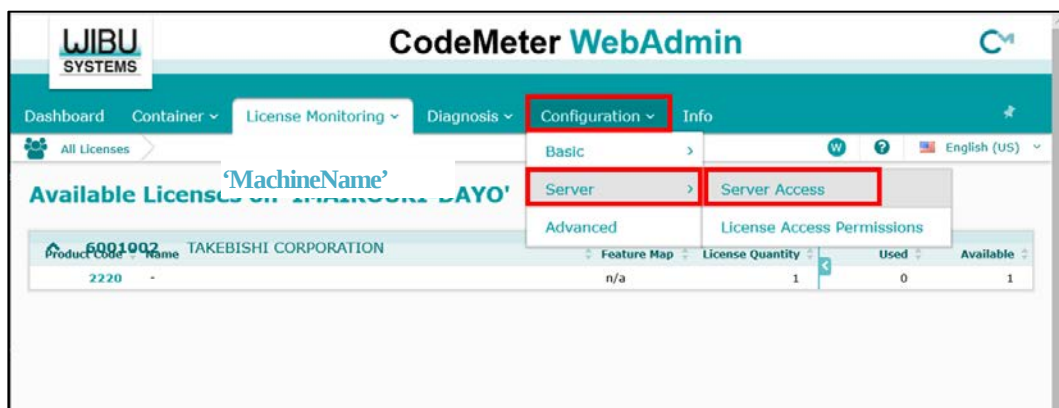
- (1) Open "CodeMeter Control Center" from the Startup menu. Make sure CmStick is listed for hardware key, or "Takebishi CmActLicense" is listed for software key. Then click "WebAdmin" to open the "CodeMeter WebAdmin" in the browser.



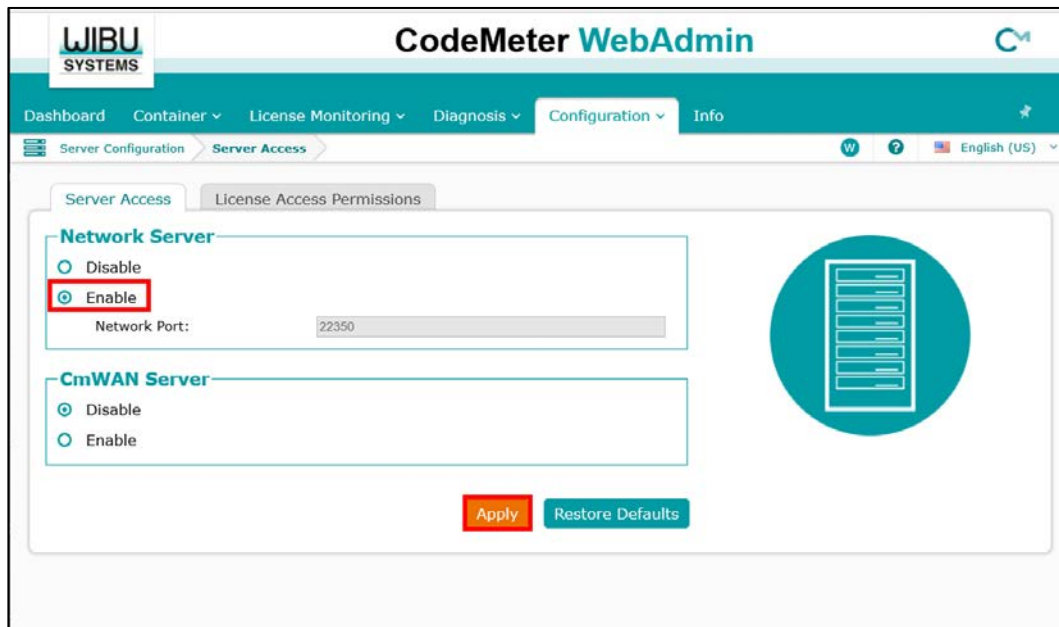
- (2) Click “License Monitoring” on “CodeMeter WebAdmin” and confirm that “6001002-2220” license is available.



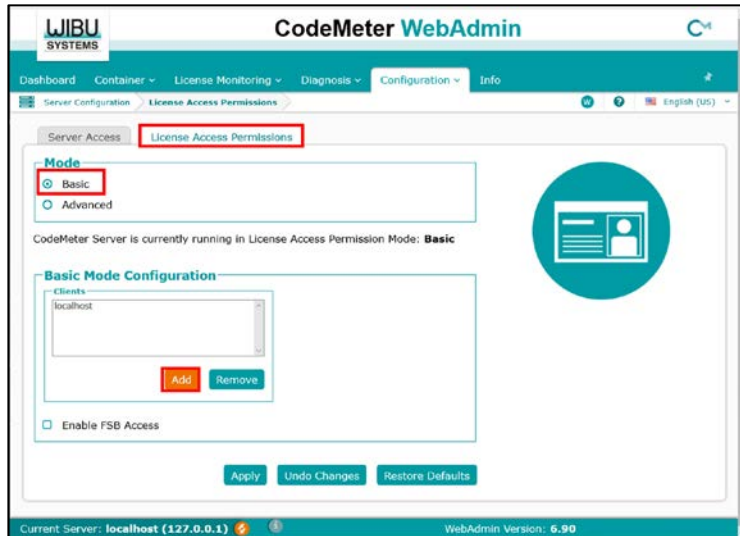
- (3) Move the cursor to the setting and click “Server” > “Server Access”.



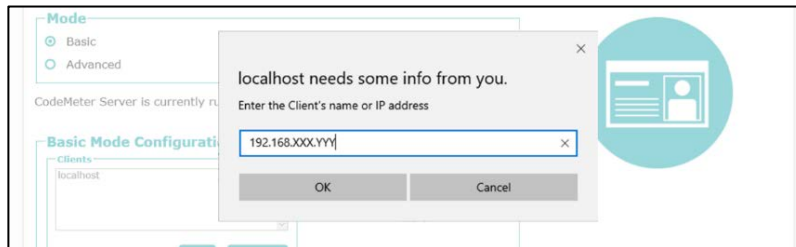
- (4) “Server Access” screen appears. Check “Enable” for “Network Server” and click “Apply”.



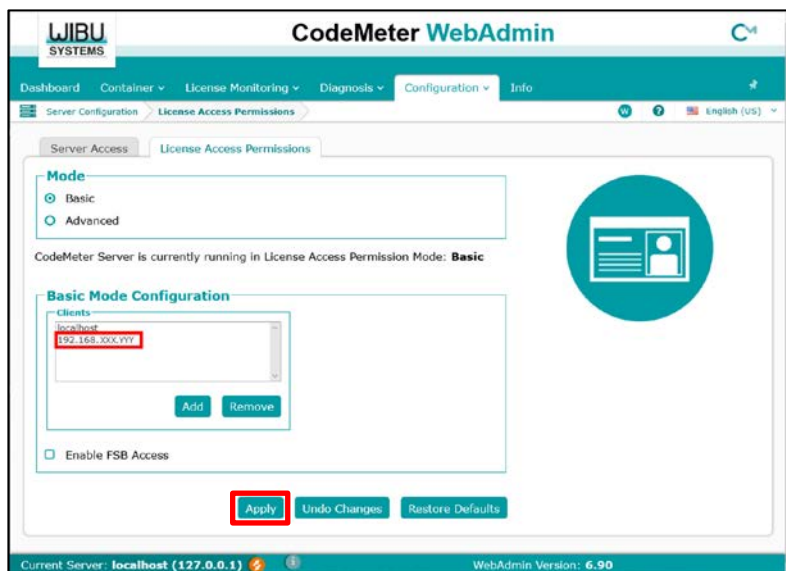
- (5) Click “License Access Permission”, then click “Basic” in “Mode” and “Add” in “Basic Mode Configuration”.



- (6) Input the IP address assigned to the guest OS.



- (7) 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.)



Important

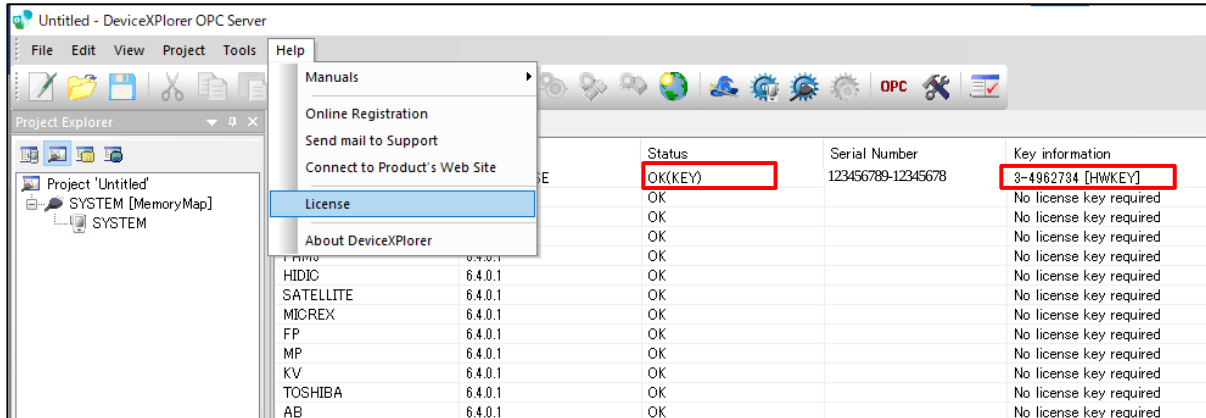
Be sure to set the license access permission. (Guest OS IP specification)
Otherwise, the license assigned to the hardware key may be used from an unintended PC on the network.

3.14.4 License activation on the Guest OS

On the guest OS, open the DeviceXPlorer and check the license.

If the serial number is registered correctly, the host OS key is activated and the key information is displayed. If the status is OK (KEY), the license is activated correctly.

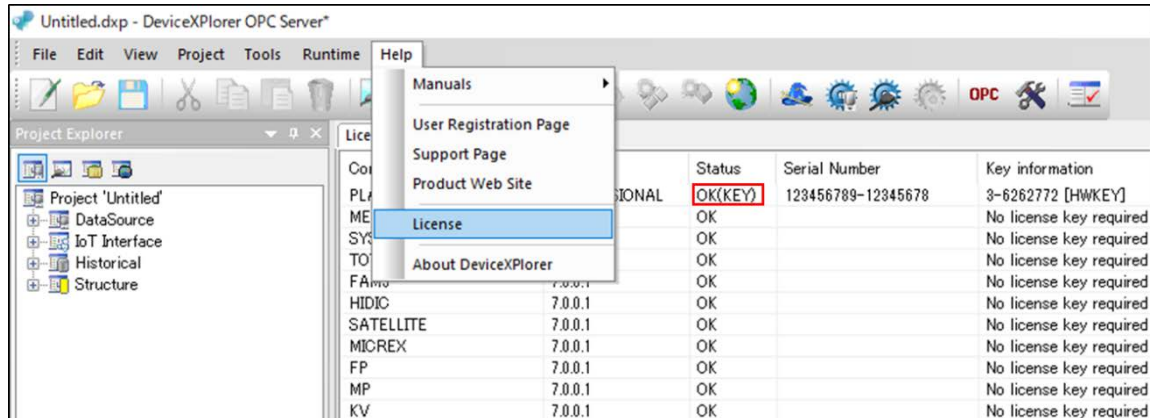
If the key information shows "License key required", the key on the host OS is not activated correctly. In this case, check the environment again.



3.15 Using the Hardware Key

This section describes the procedure to use hardware key with DeviceXPlorer.

- (1) Insert the hardware key into USB port of PC where DeviceXPlorer is installed.
*The Hardware Key must be inserted to PC while DeviceXPlorer is operating.
- (2) If the key information is on the license screen and the status is "OK(KEY)", the key is activated correctly.



3.16 Using the Hardware Key in the Virtual Environment

This section describes the procedure to use a hardware key with the DeviceXPlorer in a virtual environment of a guest OS.

If the virtual environment allows the guest OS to authenticate the USB device (hardware key) of the host OS, then there is no problem. However, depending on the virtual environment, the guest OS may not be able to authenticate the USB device (hardware key) of the host OS.

In such a virtual environment, please follow the procedure below to use the hardware Key in the DeviceXPlorer of the guest OS, which is activated by the host OS.

“3.14.1 Set up CodeMeter Runtime on Host OS”

“3.14.2 License activation on the host OS”

“3.14.3 License server activation on the host OS”

“3.14.4 License activation on the Guest OS”

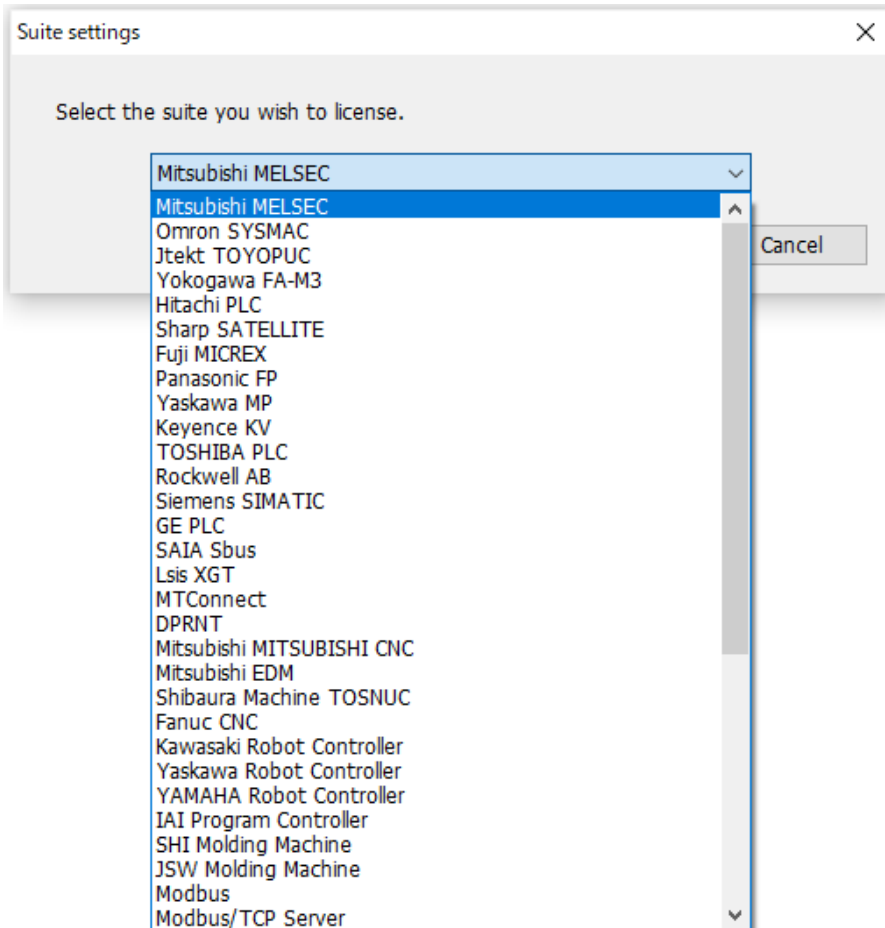
4.2 Communication Suite that can be Selected for Single Edition

Single Edition allows you to select one suite from all installed suites (excluding Water CPS Application I/F) when starting DeviceXPlorer and apply the license for the selected suite.

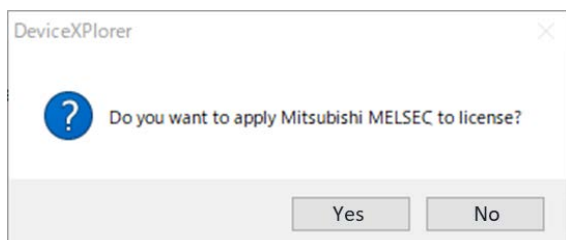
4.2.1 Selecting the Communication Suite

The procedure for selecting the communication suite in the single edition is shown below.

- (1) After activate license for single Edition, if no communication suite is selected, the following dialog will be displayed. Please select the suite.



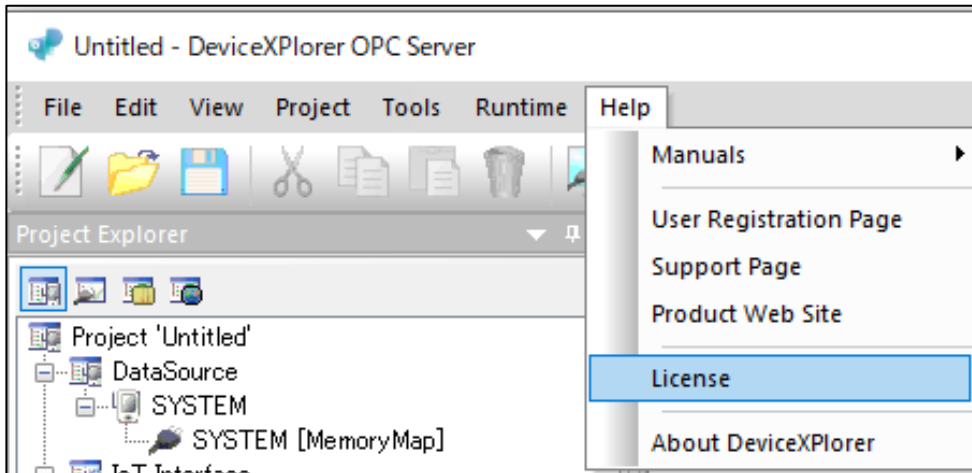
- (2) Click "Yes "



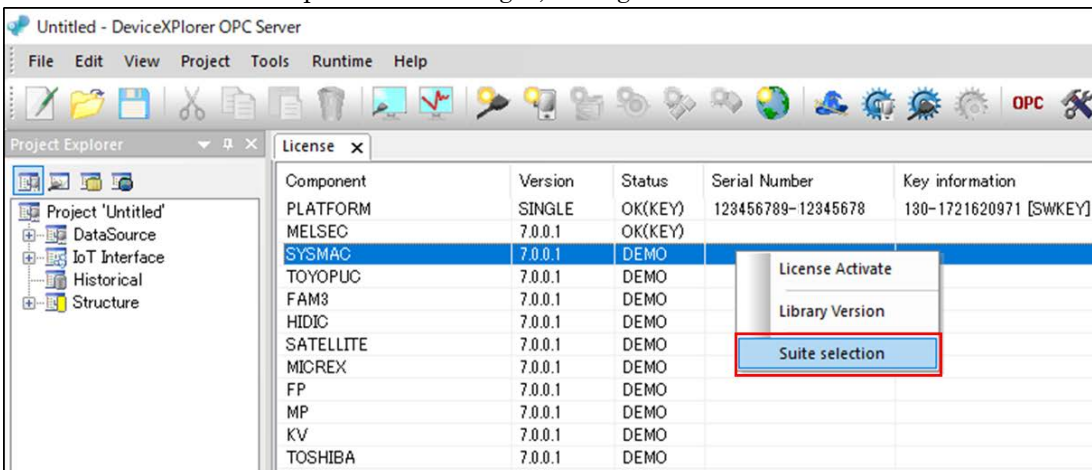
4.2.2 Changing the Communication Suite from license menu.

The procedure for selecting the communication suite in the single edition from license menu is shown below.

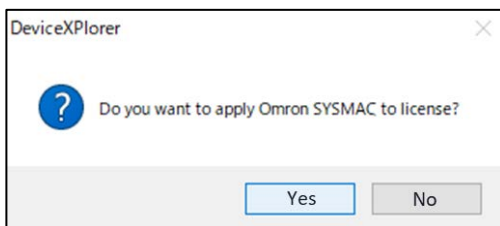
- (1) Select "License" of "Help" menu.



- (2) Move the cursor to the component to be changed, and right-click and click "Select Suite"

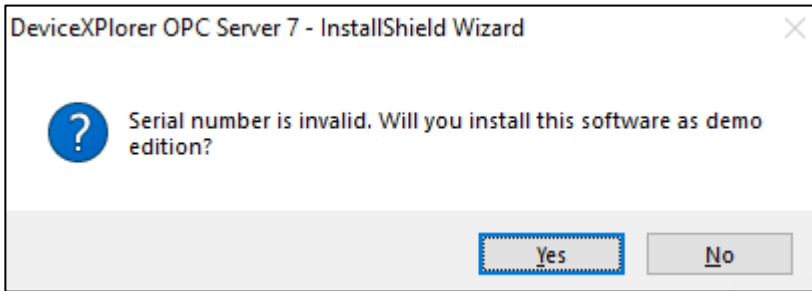


- (3) Click "Yes".



4.3 Demo edition

If install DeviceXPlorer as demo edition, input a hyphen symbol “-” in Serial Number when installing. There is not the functional limit in demo edition. But demo edition runs for only three hour.



5 Notes

5.1 Notes at 64-bit application

5.1.1 Notes on using the OPC Classic (OPC DA/ OPC AE) server function

When the 64-bit DeviceXPlorer is used, to enumerate some OPC Server's from a 64-bit OPC Client application, it is necessary to enumerate using OpcEnum of the 64-bit application.

If OpcEnum registered as a service is “C:¥Windows¥SysWOW64¥OpcEnum.exe”, it is necessary to carry out service registration of the “C:¥Windows¥System32¥OpcEnum.exe.”

Please execute "Reg_OPCEnum32to64.Bat" in installation path as "Run as administrator”.

5.1.2 Unsupported connections in 64-bit application

Some communication models are not supported in the 64-bit application.

- MELSEC EZSocket / GOT connection
- SYSMAC FinsGateway / SysmacGateway /CX-Compolet connection
- TOYOPUC CPU port connection
- FANUC FOCAS connection
- Mitsubishi CNC EZSocketNc connection

5.2 Note at connecting with GENESIS 64 / MC Works64 via OPC DA interface

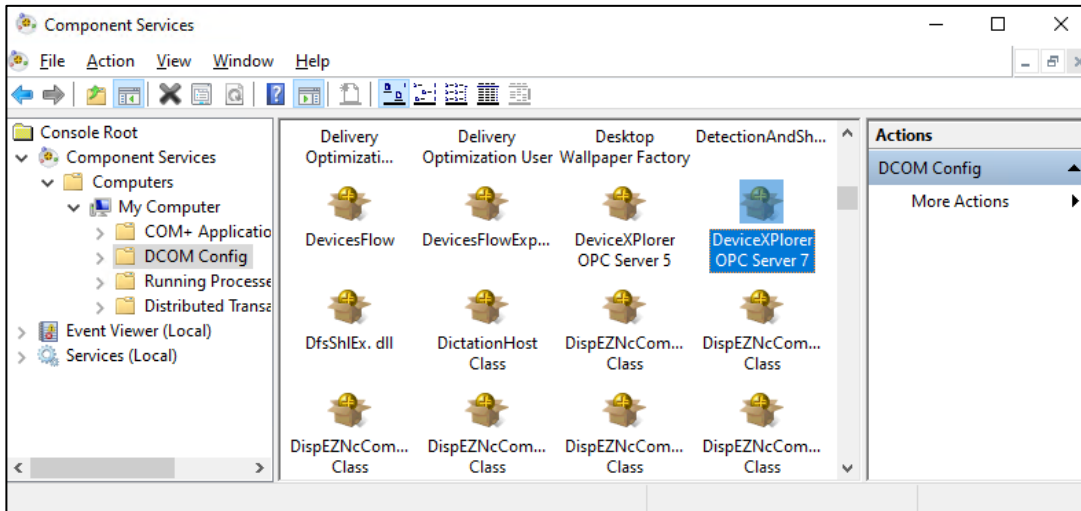
When connecting using the OPC DA interface from an application that starts as a service such as GENESIS64 / MC Works64, it is necessary to set the DCOM settings appropriately in advance. A setting example is shown below.

(1) [Start DCOM Configuration Utility]

From the Start menu, select “Run” and enter “DCOMCNFG.EXE” to launch the DCOM configuration utility.

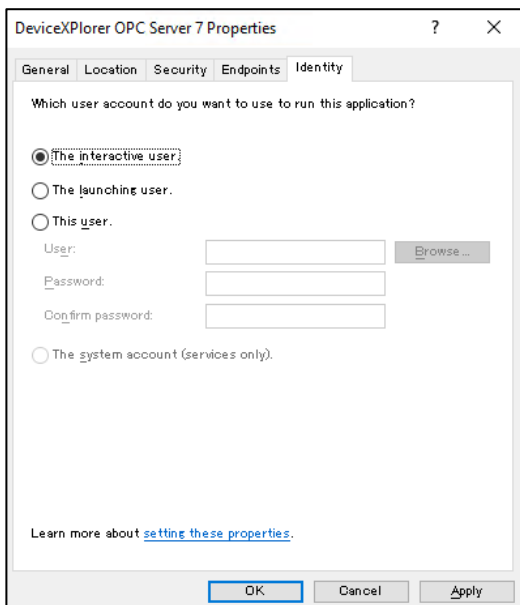
(2) [Specific Properties (General)]

Right mouse click on ”DeviceXPlorer OPC Server 7” from “DCOM Config” under “My Computer”, and select Properties from the pop-up menu.



(3) [Specific Properties (ID/Identity)]

Select the “ID” tab, and specify “The interactive user” and apply setting.



(4) Restart the PC

By restarting the PC, the application started as a service will be able to connect to DeviceXPlorer OPC Server via the OPC DA interface.

DeviceXPlorer OPCServer

User's Guide

Setup Edition

