Femtet License Operation Manual

Murata Software Co., Ltd.

Ver 230605

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1. How software licenses are used

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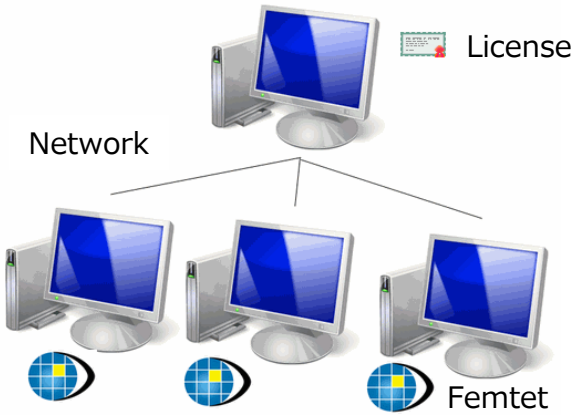
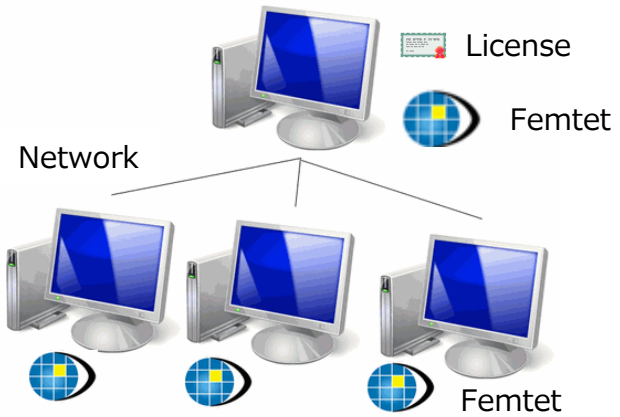
There are two main ways to use Femtet's software licenses.

1. **Node-lock usage**
   Install and use both the license and Femtet on a single PC.
2. **Server usage**
   Install the license on one PC and Femtet on another.

1.Node-Lock usage



2. Server usage



Mix of 2 usages

(Ref.1) The number of Femtets that can be activated at the same time is the number of licenses you have subscribed.
(Ref.2) In either case, you can use Remote Desktop on a PC with Femtet installed.
(Ref.3) It is also possible to mix the use of node locks and server usage.

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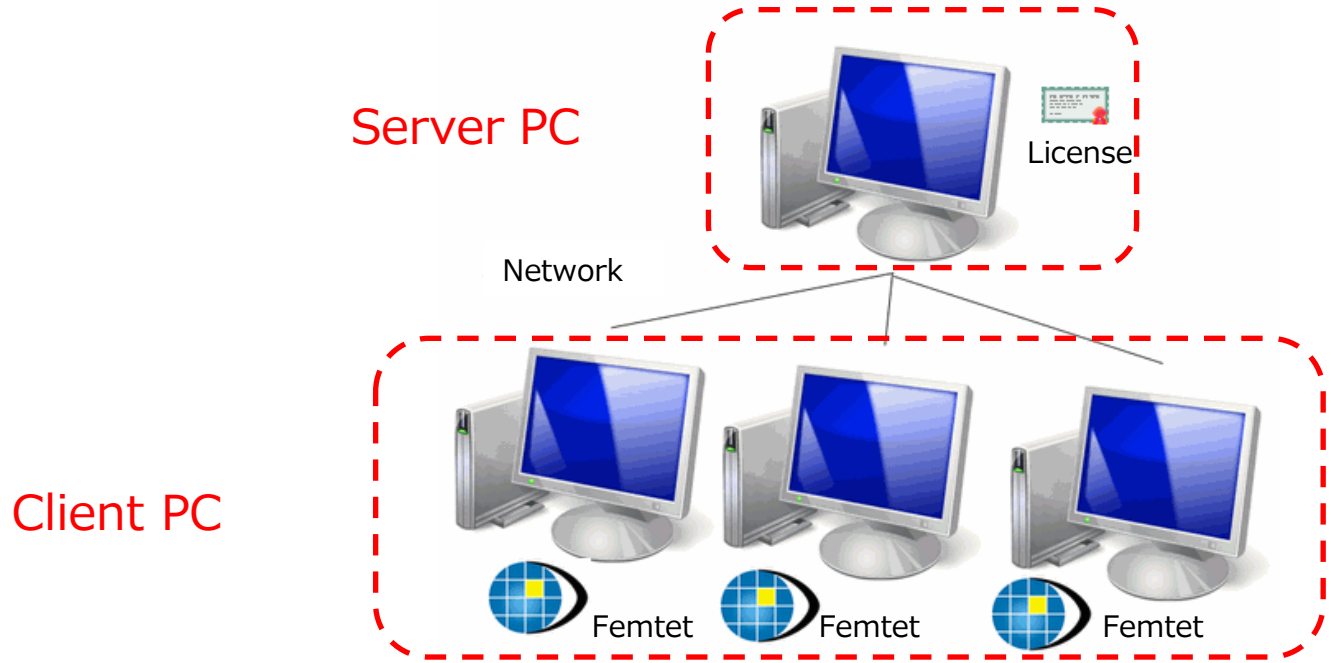
1. How software licenses are used

This manual uses the following terms to describe a PC in the server usage state of a software license.

PC to install license - > Server PC
PC to install Femtet - > Client PC



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1. How software licenses are used

Here are the steps you need to take to use Femtet's software license.

Steps	Sub Steps	Node-Lock usage	Server usage
Install License	Install Rustool (License Update Tool)	Install on PC where you plan to use Femtet	Install Server PC
	Create c2v file and send it to Murata Software	Collect Status Information with Rustool	
	Apply v2c file sent from Murata Software	Apply License File with Rustool	
Install Femtet	You will receive an installer download URL, ID and password via email from Murata Software.	Install Femtet on the PC with installed license	Install Femtet on the client PC
Network license setup	Setting required only in server usage		Client PC to Server PC License Reference Settings
Check License Expiration		Launch Femtet to check license expiration date	

RUS:Remote Update System = License update tool

C2V: Customer to Vender
V2C: Vendor to Customer

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2. Install License

Rustool is a tool used to install and update (extend) licenses.
Download the Rustool installer from Website (https://www.muratasoftware.com/en/support/download/), and install it on the PC where you want to install the license.

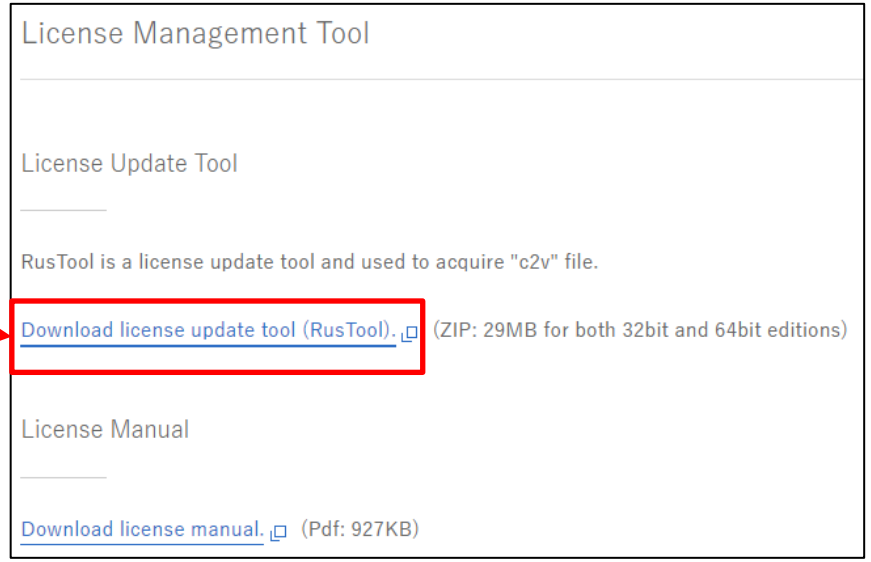
1. Download Rustool Installer

[UserSupport]>[Download]>[License Management Tool]
Click Here!

2. Install Rustll

Install Rustool using the acquired installer.
Installation instructions and license activation instructions are also outlined in the next slide, but you can also refer to the Rustool Instruction Manual for details.

https://www.muratasoftware.com/en/common/files/license_rustool_manual_LDK.pdf



Rustool Installation Notes
- Only available to users with administrator privileges (Administrators).
- If you do not have administrator privileges, switch users or create new ones to install.
- Rustool requires 10MB of free HD space to install.
- If you have software that uses the Sentinel LDK installed on your server, you must exit the process before installing the Sentinel LDK (For more information, see Troubleshooting 7-1).

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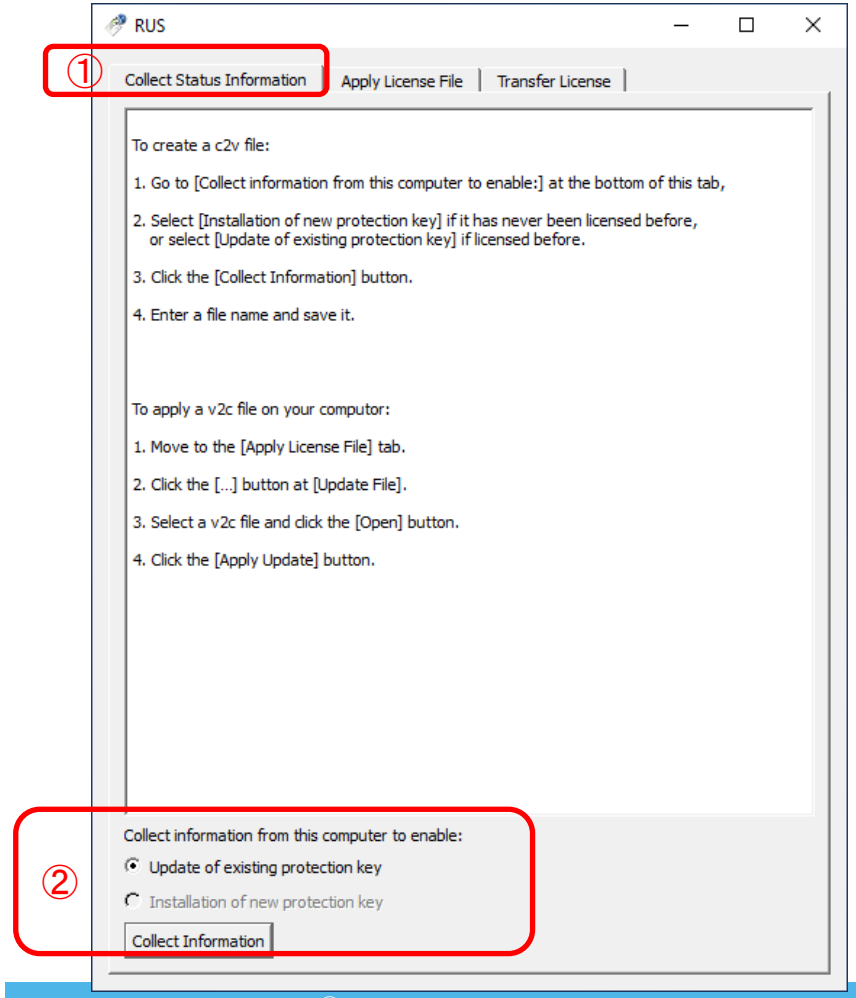
2. Install License

Create c2v file

As a user with administrator privileges, start Rustool and click (1)Collect Status Information(2)Collect Information below in order to obtain the C2V file and send it to Murata Software.



② If you want to install a new license in, select Installation of new protection key.

A C2V file is a file that contains PC information for installing a license.
Using this file, create a V2C file with Murata software.

You will receive a V2C file by email from Murata Software within five business days. One moment, please.

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2. Install License

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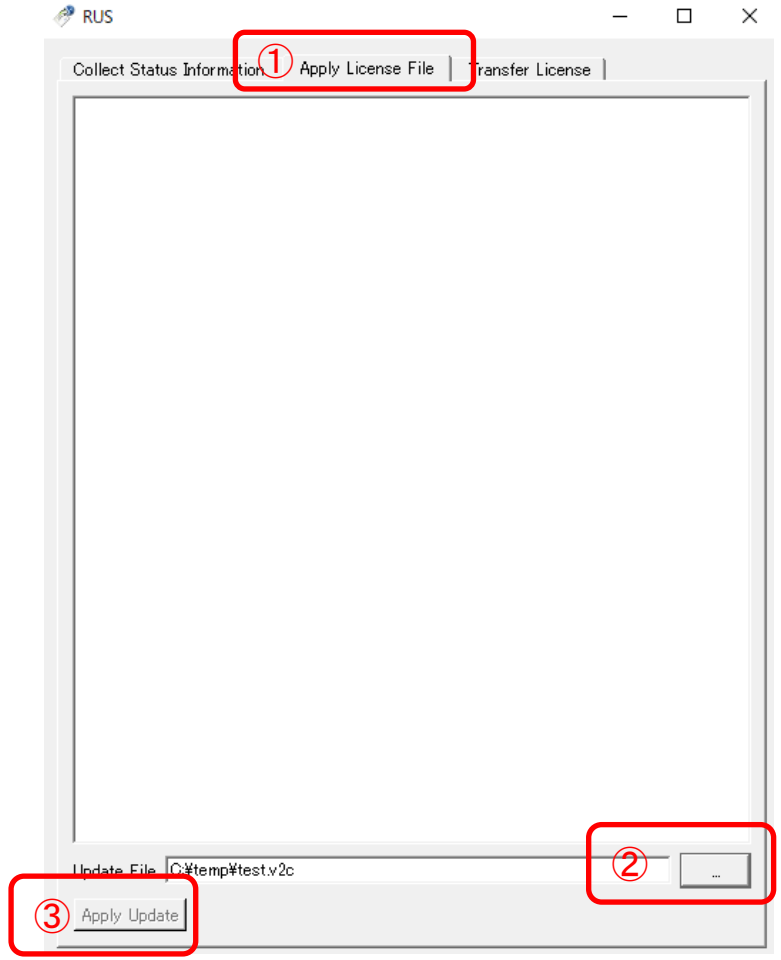
Apply License File(v2c)

Start Rustool and (1)Apply License File (2) click the file browse button in sequence to select a V2C file and (3) apply it with Apply Update.



If the V2C file is successfully applied, it will be displayed in English.
This completes the license installation.

Notes:
V2C files are only applicable on the PC from which the C2V file was obtained.
It is not applicable to client PCs when using the server.

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3. Install Femtet

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Murata Software will send you an email with the following text along with the V2C file, so follow the instructions to install Femtet.

As for Femtet itself, download the installation package on our web site and install it.
https://www.muratasoftware.com/en/support/download/
Choose either 32-bit version or 64-bit version depending on your PC.
Here is the user ID and the password required for the download.(for Femtet)
User ID: ********
Password: ********

The following PCs will be used to install Femtet.

Nodelock Usage - > Install Femtet on PC with license installed

Server Usage - > Install Femtet on client PC

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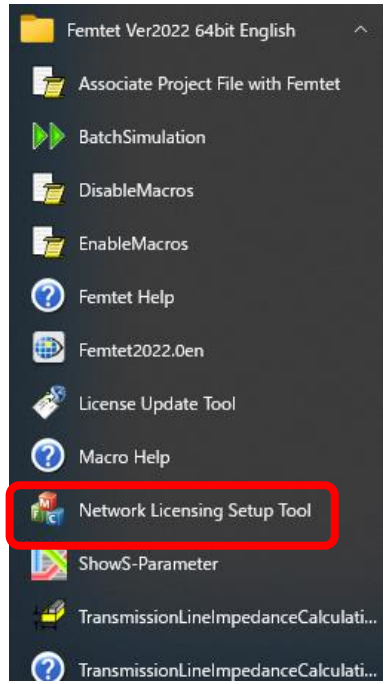
4.License Reference Settings (for server usage)

【For Server usage】

Set up the client PC to access the server PC license.

Go to Windows [Start] > [Femtet Ver xxx.xxbit] >
[Tool] > [Network Licensing Setup Tool] > [Run as administrator].
Then, Check “Enable Referencing Network license” and
type Hostname or IP address.

*Note:This procedure is required for every client PC.



*A user with administrator privileges can set this setting on each client PC.

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4.License Reference Settings (for server usage)

【For Server usage】

Settings in the **Client PC**

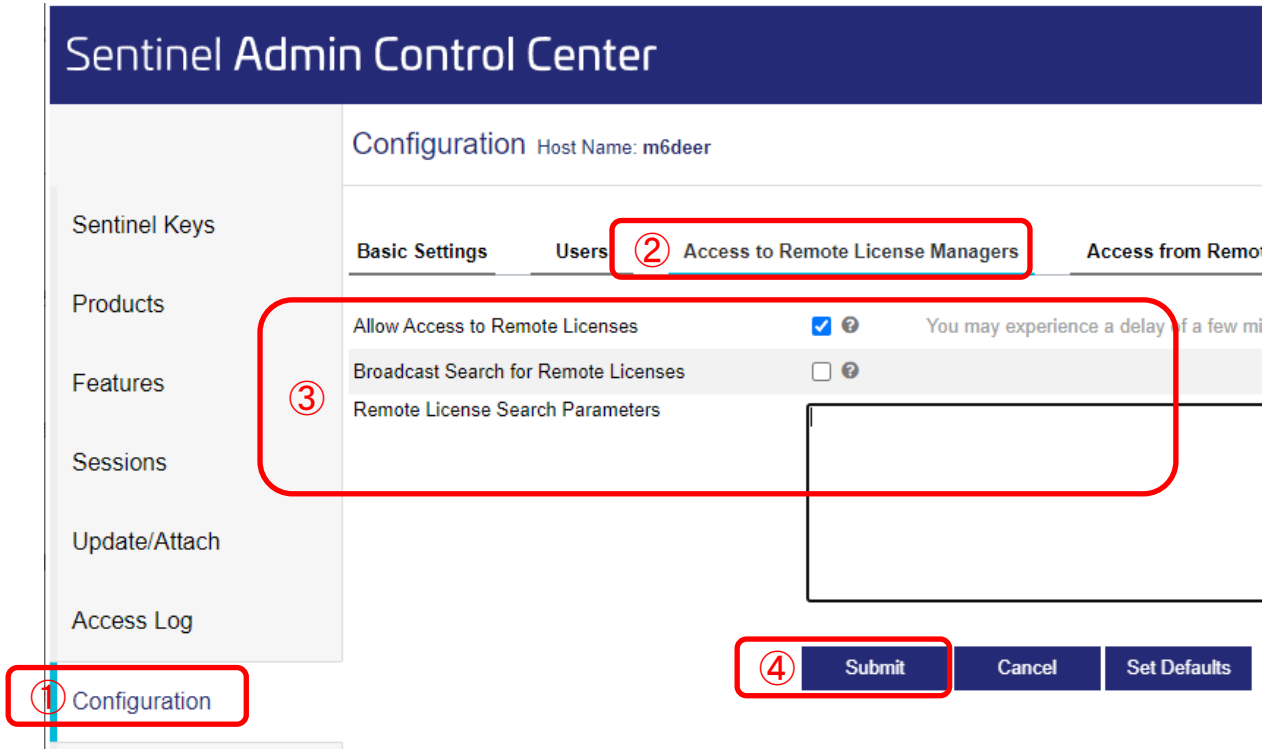
Go to http://localhost:1947/

1. Configuration
2. Access to Remote License Managers
3. Select [Allow Access to Remote Licenses]

   Deselect [Broadcast Search for Remote Licenses]

   Set Host Name or IP Address of Server PC

   in [Remote License Search Parameters]
4. Press [Submit] button



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5. Verify Activation

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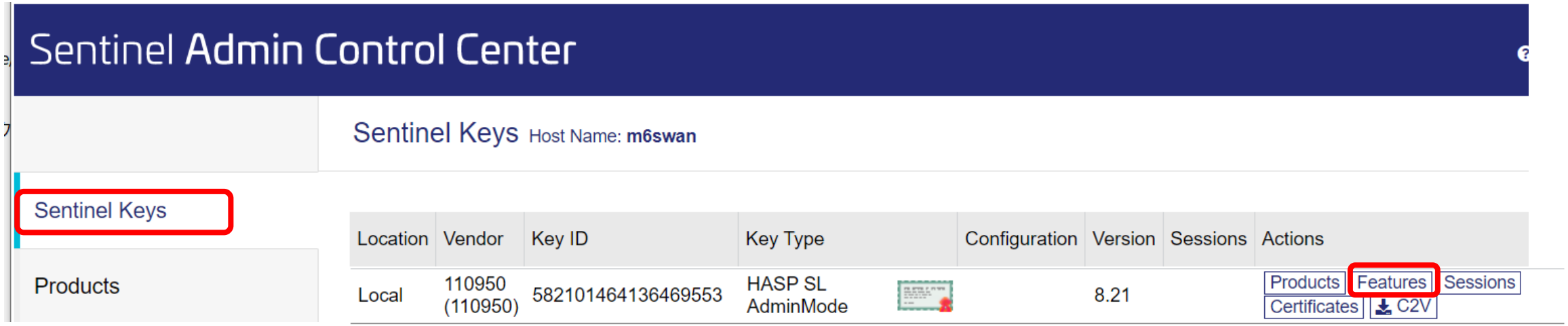
【For Nodelock Usage】

Go to http://localhost:1947/ on a PC with a license installed

①Sentinel Keys



Location： Local

Vender： Vendor ID of Murata Software(110950)

KeyID： ID of License Key

License details
->See next slide.

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5. Verify Activation

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【 For Nodelock Usage 】

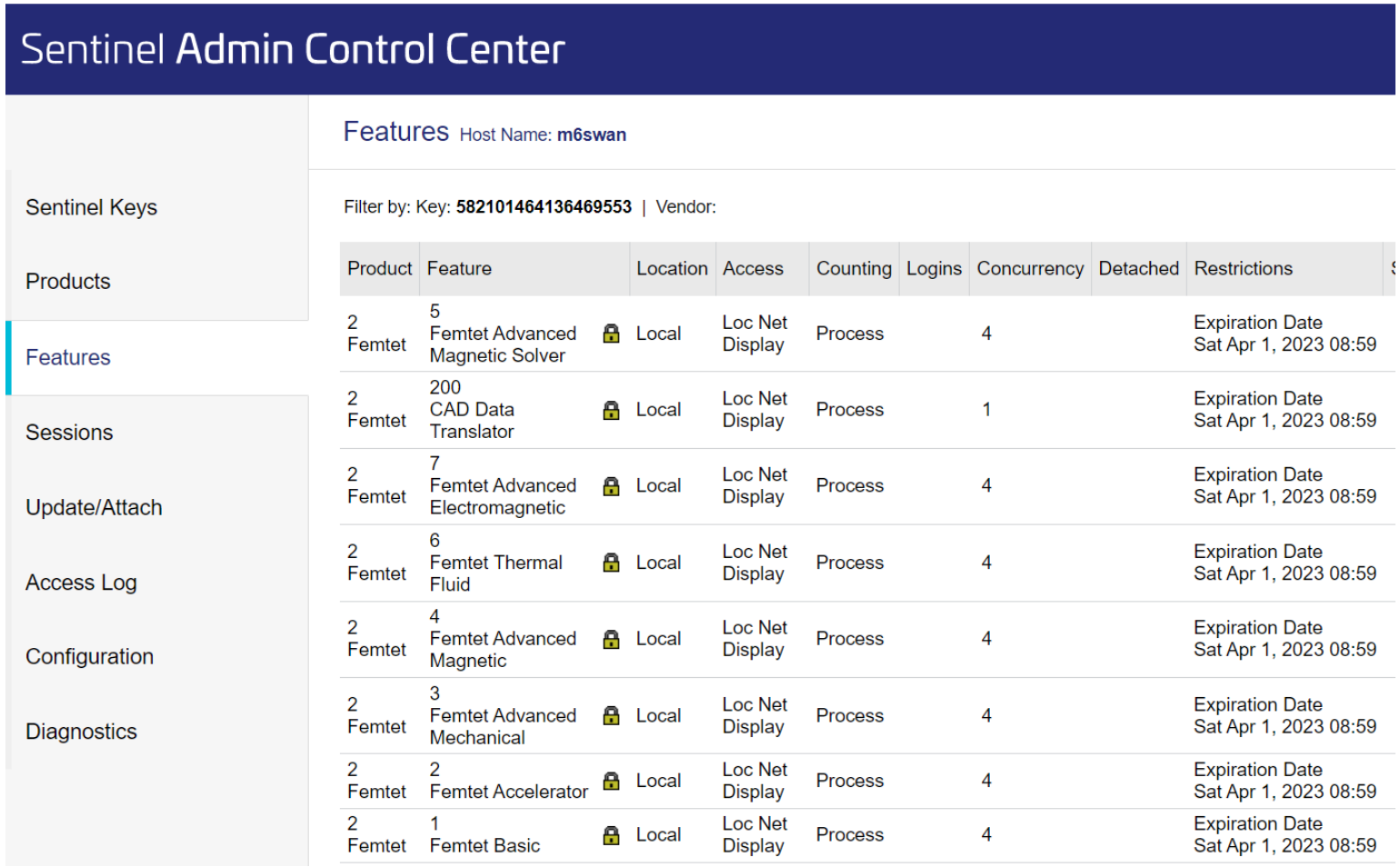
Feature: basic pack, information on various features

Logins: Number of Femtets in use

Concurrency: number of licenses available

Restrictions: Expiration date (in Universal Time)

Check to see if this is the license you purchased or applied.



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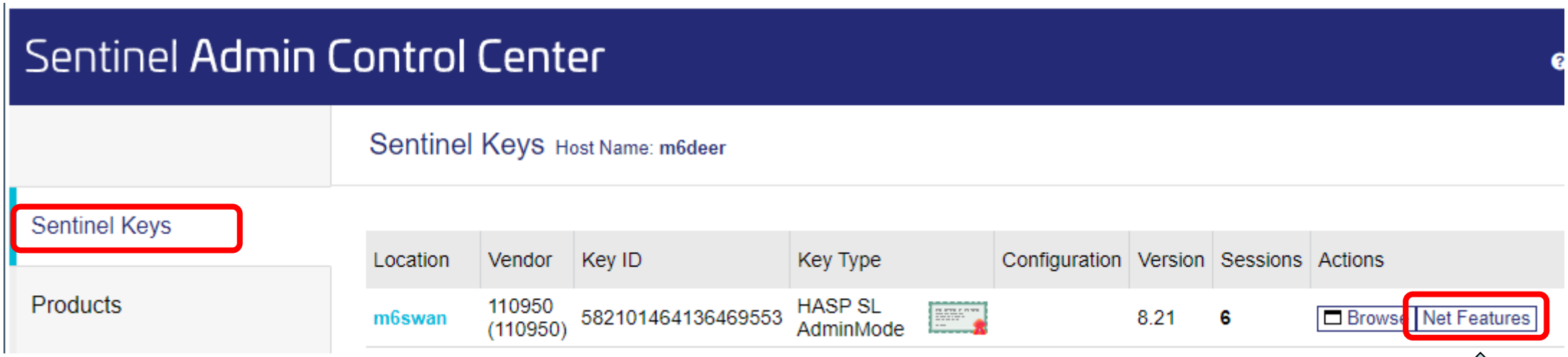
5. Verify Activation

【For Server Usage】

Go to http://localhost:1947/ on a Client PC

①Sentinel Keys



Location：　Local

Vender：　Vendor ID of Murata Software(110950)

KeyID：　ID of License Key

License details
->See next slide.

*If activation is not verified, see Troubleshooting 7-3

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5. Verify Activation

Murata Software

【For Server Usage】

Feature: basic pack, information on various features

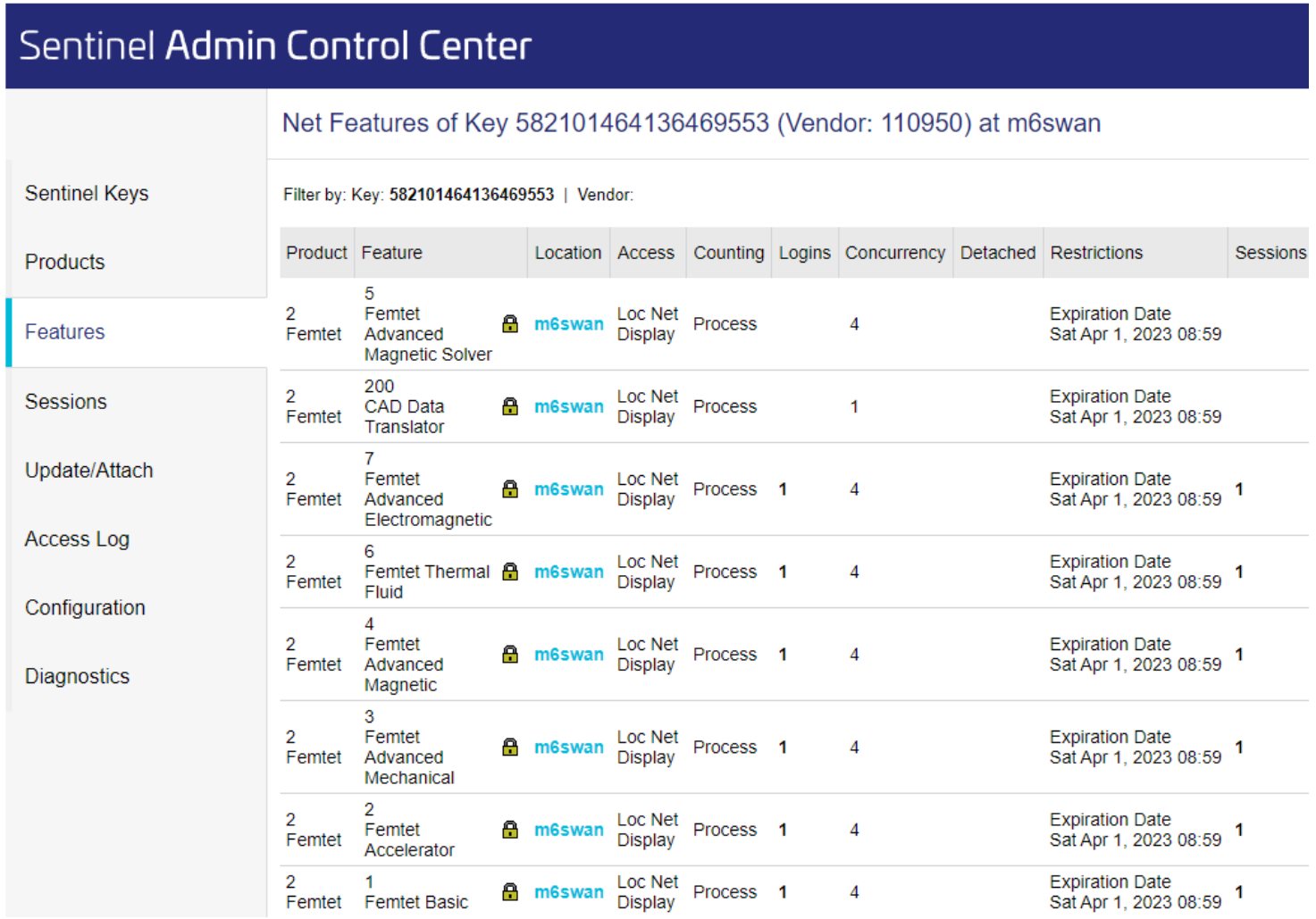
Logins: Number of Femtets in use

Concurrency: number of licenses available

Restrictions: Expiration date (in Universal Time)

↑

Check to see if this is the license you purchased or applied.



*If activation is not verified, see Troubleshooting 7-3

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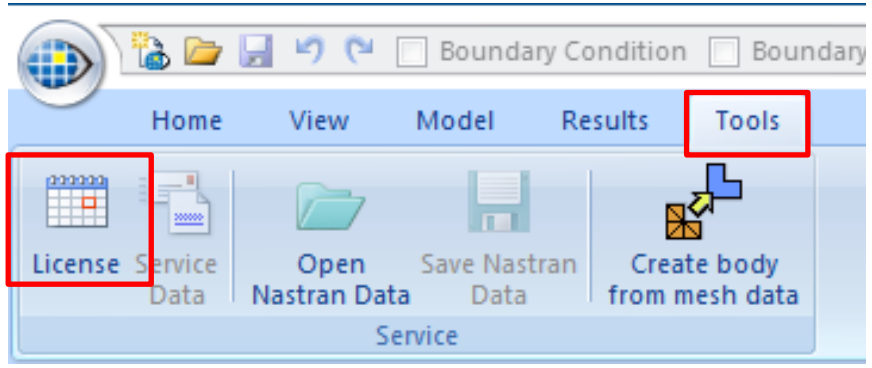
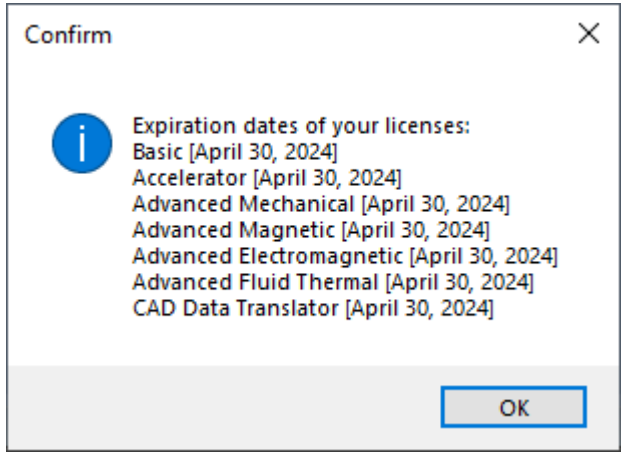
5. Verify Activation

【For both nodelock usage and serber usage】

1. If Femtet started, the license is verified.
2. Check the expiration dates.

   Go to [Tool] > [License]





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6. Other Settings

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6-1. Restrictions on the Access from the Clients

6-2. Restrictions on the Access to the Server

6-3. Select Optional Licenses

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6-1. Restrictions on the Access from the Clients

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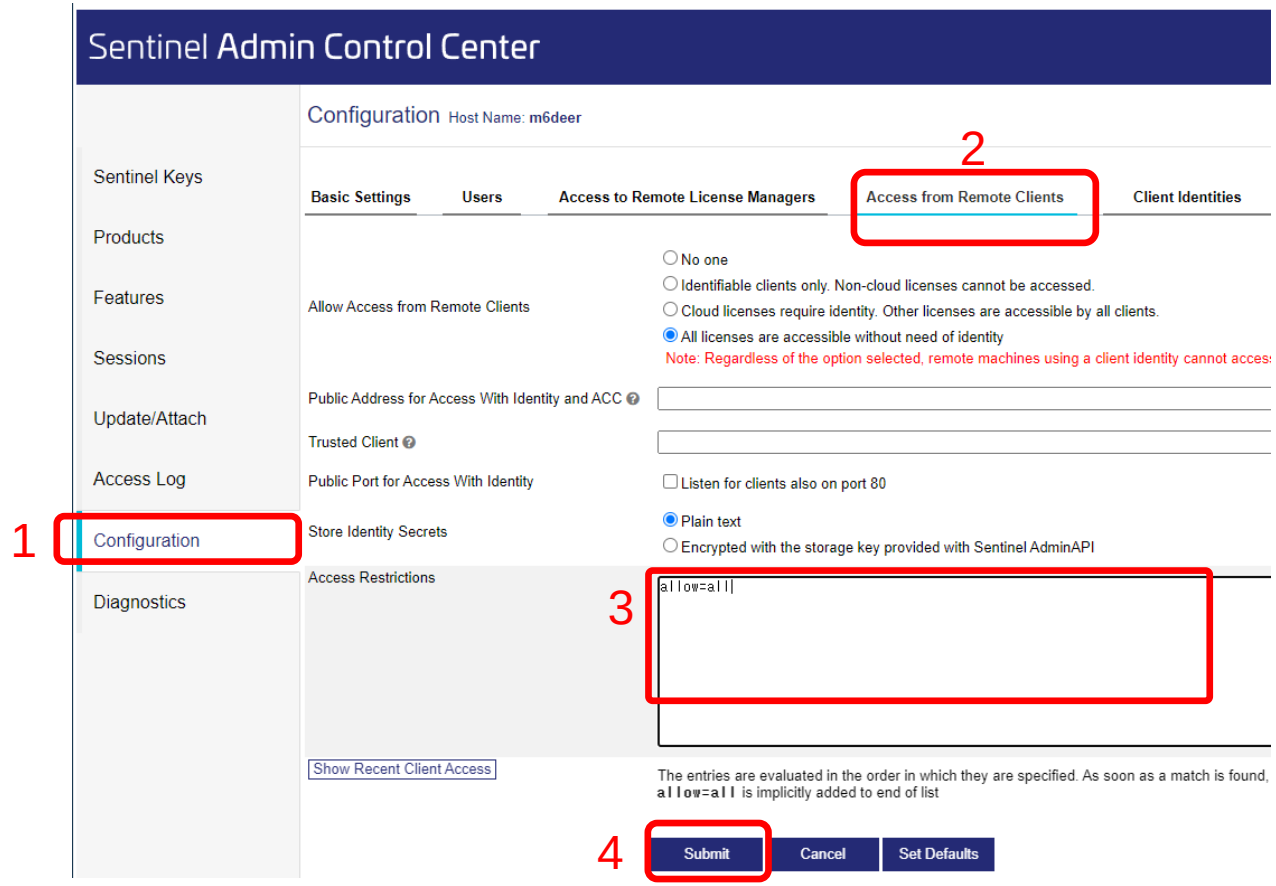
【 For Server Usage 】

Settings in the Server PC
Go to http://localhost:1947/

1.Configuration
2.Access from Remote Clients
3.Describe details of restrictions
in [Access Restrictions]
4.Press [Submit] button



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6-1. Restrictions on the Access from the Clients

Murata Software

【For Server Usage】

Access Restrictions Setting Examples :

allow=10.24.2.*

allow=192.168.*

allow=193.*

allow=10.1.1.10-20

deny=all

Reference

Access Restrictions Defines the restrictions that will be imposed on remote machines accessing this Sentinel License Manager. Enter data in the following format:

`allow=[item]` and/or `deny=[item]`, where *item* is an IP address or machine name. IP addresses can include "*" or a range of addresses allow or deny multiple addresses. The value of *item* can also be `all` or `none`. Each entry must be on a separate line. The entries are evaluated in the order in which they are specified.

For example, *item* can be:

`10.24.2.18`	a single address
`10.24.2.10-50`	range of addresses (only 4th number may be a range)
`10.24.2.*`	class C subnet
`10.24.*.*`	class B subnet
`10.*.*.*`	class A subnet
`10.24.2.0/24`	subnet, number of mask bits specified

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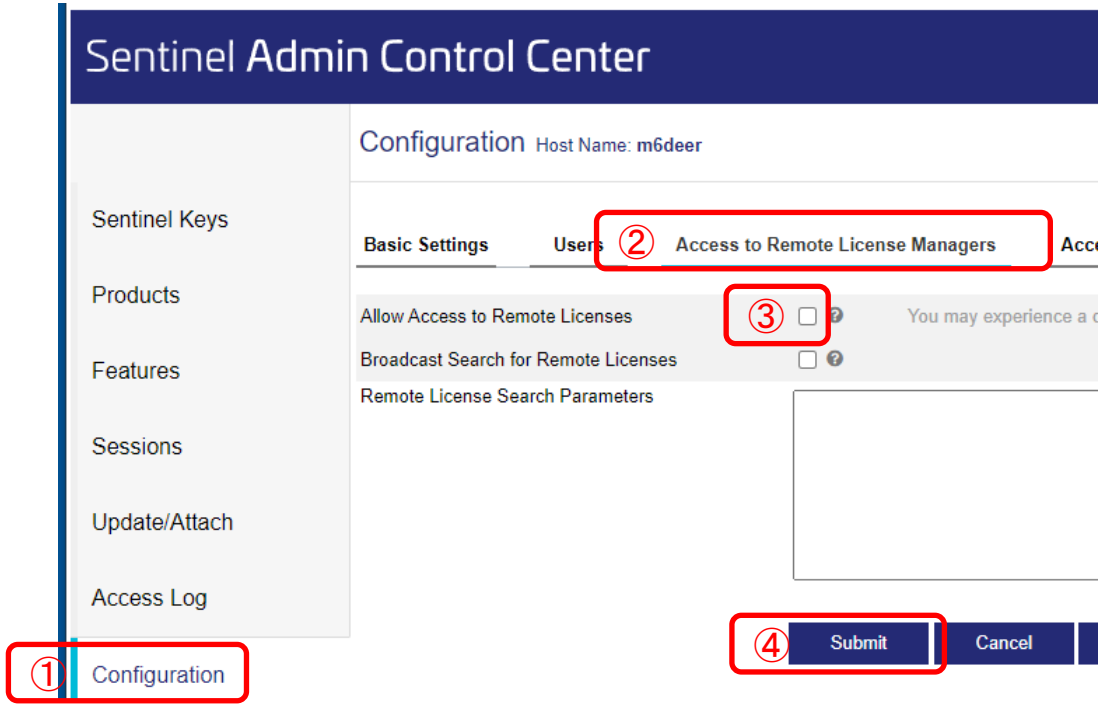
6.2 Restrictions on the Access to the Server

【For Server Usage】

Settings in the Client PC

Go to http://localhost:1947/

1. Configuration
2. Select Access to Remote License Managers
3. Deselect [Allow Access to Remote Licenses]
4. Press [Submit] button



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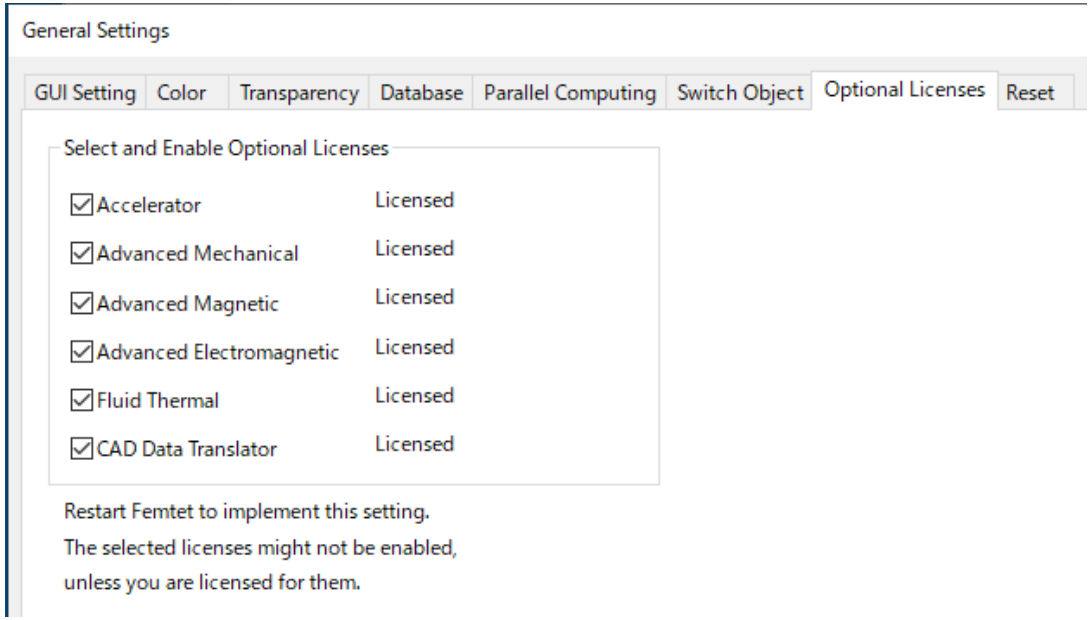
6-3. Select Optional Licenses

【For Server Usage】

Settings in the Client PC

To select optional license,go to [Application Menu] >[General Settings] > [Optional Licenses]

If you don’t want to use [Accelerator] for example, deselect it.



- The license option selected will be consumed at Femtet startup even if you are not using the feature, so it is a good idea to deselect it if you have a license option to use with Femtet on other client PCs.
- Only the CAD translator option license is activated during import/export.

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7. Troubleshooting

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7-1. RusTool Installment Failure

7-2. Femtet Activation Failure

7-3. License Activation Failure

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7-1. RusTool Installment Failure

To install RusTool, you need to terminate processes on HASP/Sentinel LDK tools beforehand.

1. Log on the PC to install Rustool as administrator

2. Go to Windows [Start] > [Control Panel] >[Administration Tool] > [Service]
   Stop other HASP/Sentinel LDK Services*.

3. Install Rustool

4. Restart the server

5. Restart other HASP/Sentinel LDK services if needed.

*If you are not sure of the service you need to stop, please contact the support center.

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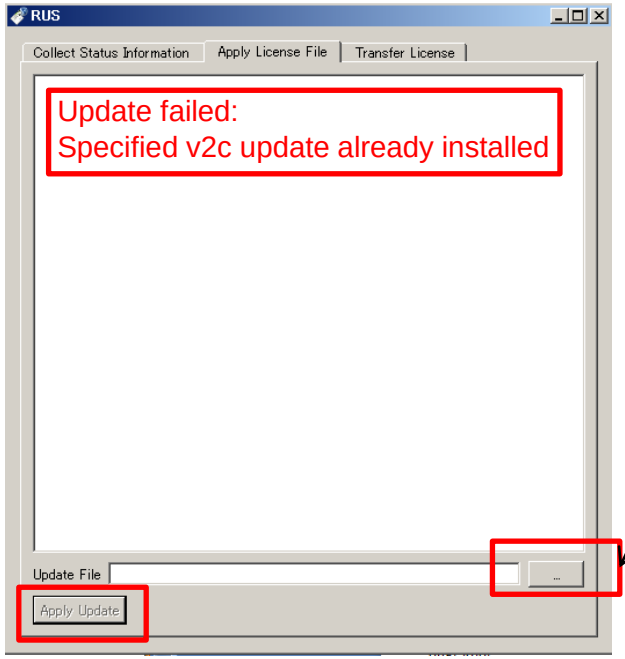
7-2. Femtet Activation Failure

Rustool



Click this button to specify a v2c file

→Apply Update

->If it has been updated, the message on the left is output.

① Rustool Check (Server PC)

Please check if the v2c file sent by MurataSoftware has been updated by Rustool.

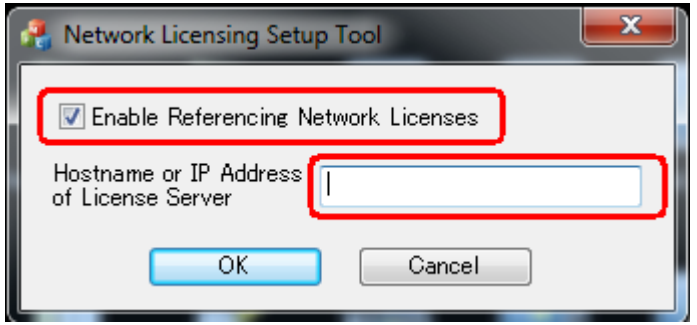
② Verifying the Network Licensing Configuration

Make sure the Network Activation Configuration Tool is enabled.

(For the setting procedure, refer to page 10 of this manual.)

③ Check if port 1947 is blocked between server PC and client PC root

Because the activation process uses port 1947, unblock (open) port 1947 if it is blocked by your router or security tool.



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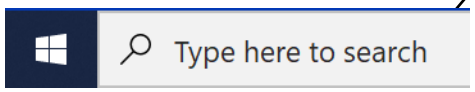
7-3. License Activation Failure

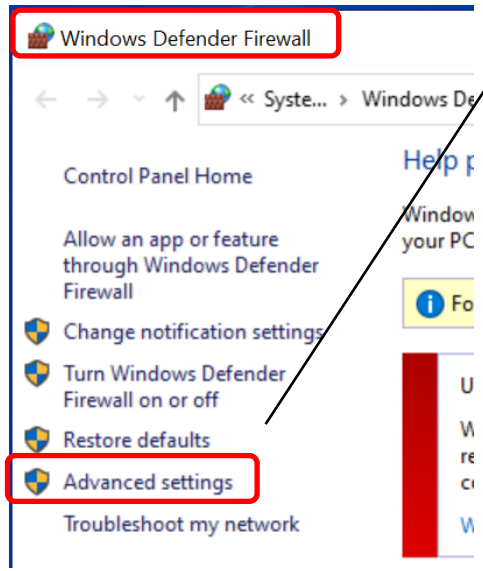
【Server Usage】 Configure the server PC to open port 1947 as below.

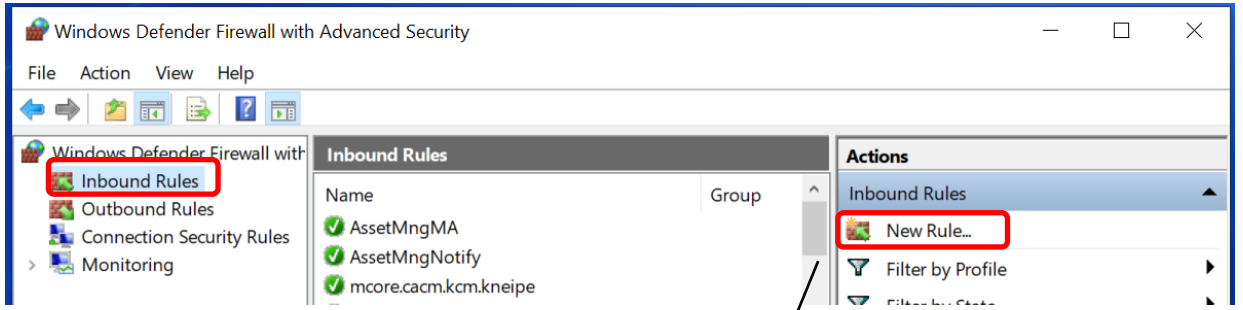
Add an inbound rules for port 1947 in Windows Defender Firewall.
Follow the steps below to add inbound rules for TCP and UDP on port 1947.

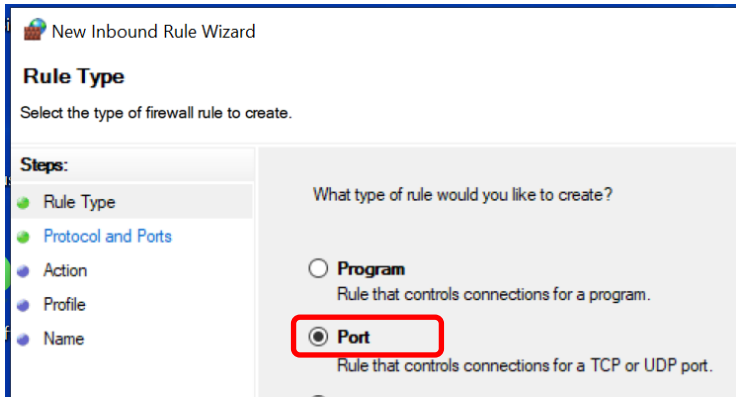
1.Open Windows Defenter Firewall
2.Click Advanced settings
3.Inbound Rules - > Click New Rule
4.Select Port and click Next



Type “Windows Defender Firewall”







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7-3. License Activation Failure

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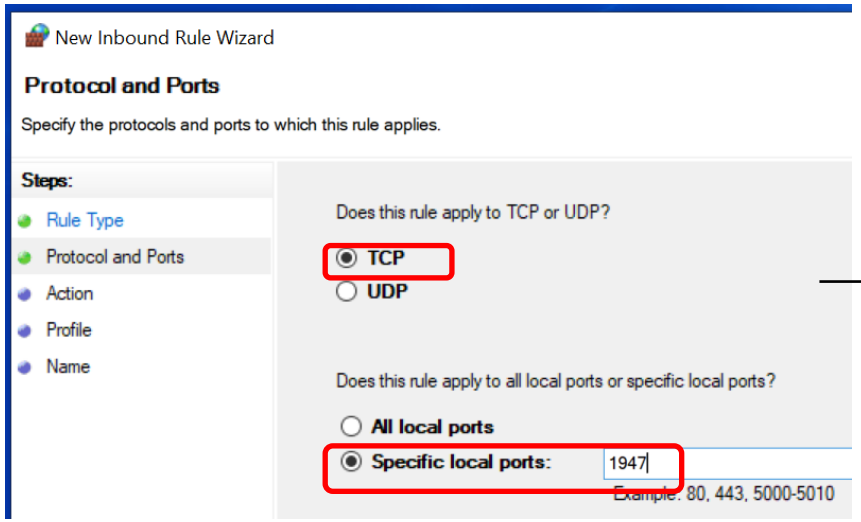
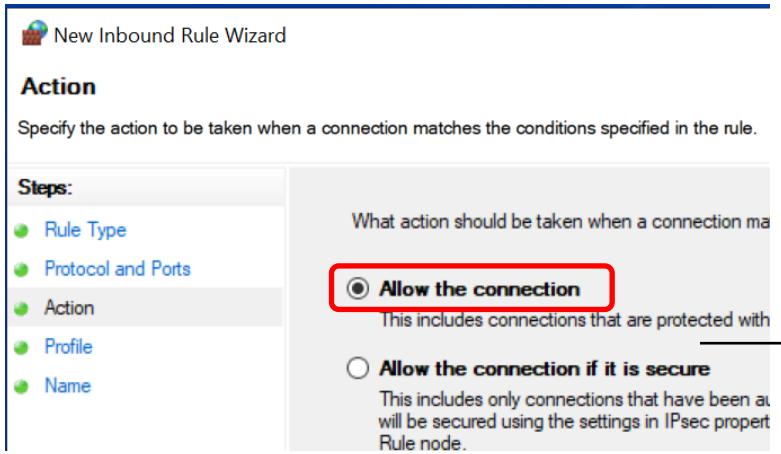
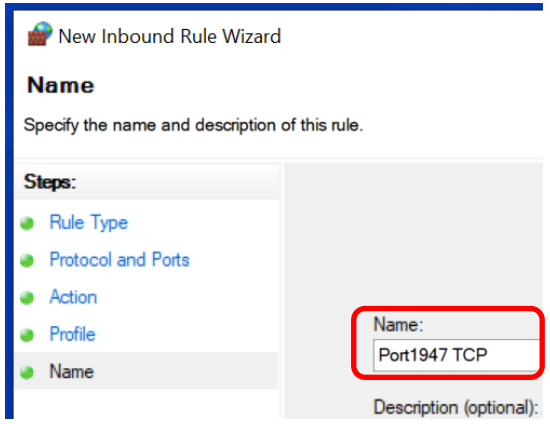
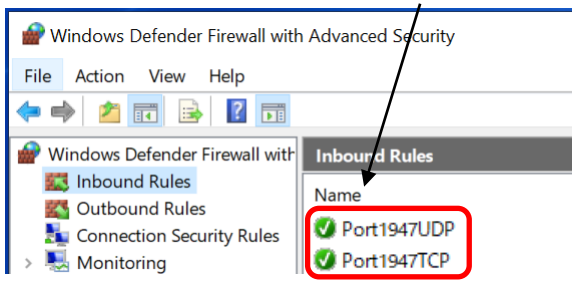
【 Server Usage 】

5.Select TCP and enter 1947 for a specific local ports and click Next
6.Select Allow the connection and click Next
7.Click Next again
8.Fill in the name field Pr(e.g. Port1947 TCP) and click Finish
9.Repeat the above steps again, selecting UDP at Step5 and set different name (for example, Port1947 UDP) to complete.
*If your router or other security tool is blocking communication on port 1947, unblock (open) it as well.
*If you are unable to change your security settings, please contact your company's Information Systems Management Division









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Appendix: Supported PC Platforms

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As of 2023/2, the Rustool installer we distribute includes an installer for the license driver Ver. 8.51.

License Driver Ver. 8.51 supports the following PC platforms:

- x86 and x64 versions of the following:
- >Windows Server 2016
- >Windows Server 2019
- >Windows Server IoT 2019
- >Windows Server 2022
- >Windows Server IoT 2022
- >Windows 10 IoT Enterprise 2019 LTSC
- >Windows 10 IoT Enterprise 2021 LTSC
- >Windows 10 21H2
- >Windows 11 22H2

https://docs.sentinel.thalesgroup.com/ldk/LDKdocs/RN/ReleaseNotes/130-Supported_Platforms_for_Sentinel.htm

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