

PTI License Manual

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The Siemens logo, consisting of the word "SIEMENS" in a bold, teal, sans-serif typeface.

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Chapter 1

Introduction to Siemens PTI License

Wibu CodeMeter®

Siemens PTI uses CodeMeter® from Wibu-Systems to provide protection and license management of Siemens PTI software. CodeMeter® offers hardware (CmDongle) and software based (CmActLicense) protection and licensing technology for digital contents for desktop PCs and servers. CmDongle, the hardware-based variant of the protection and licensing technology from CodeMeter®, is available in many form factors for a variety of interfaces and allows for multiple Independent Software Vendors to share a single CmDongle. Siemens PTI uses USB hardware devices. CmActLicense is a completely software-based variant of the protection and licensing technology from CodeMeter® that protects software by binding to the characteristics of an individual PC with the exception of virtual machines (see Virtual Machines below). CmActLicense licenses are bound to hardware properties of the PC on which they are accessed. Please make sure you activate a CmActLicense license only on the PC for which you want to use the license.

Siemens PTI products protected with CodeMeter

- PSS®E starting with versions 33.9 and 34.1
- PSS®MUST starting with versions 11.2.5 and 12.0
- PSS®ODMS starting with version 12.0
- Model Management starting with version 1.0
- CIM Importer starting with version 1.0.1
- Parallel Dynamics starting with 1.0

Requirements to run Siemens PTI product protected with CodeMeter

The CodeMeter Runtime Kit installed.

CmActLicense from Siemens PTI. A CmActLicense is created on your computer by using a Ticket ID, supplied by Siemens PTI, during the license collection process.

Virtual Machines:

- CodeMeter license collection is not allowed on Virtual Machines. Virtual machines can obtain a license from USB CmDongle or a network license collected on a physical machine.

Chapter 2

Installing CodeMeter Runtime

Installing CodeMeter Runtime

The CodeMeter® Runtime Kit Setup Wizard is installed to support WIBU license management. Installation on 32/64-bit Windows operating systems begins by running "CodeMeterRuntime.exe" that shipped with the software.

More CodeMeter® options are available for download from <http://www.wibu.com/en/downloads-user-software.html>.

Full Installation Package

This package holding all necessary components of the CodeMeter® Runtime is available for 32/64-bit operating systems.

It is available as executable file (CodeMeterRuntime32/64.exe) and as separate package for Managed Software Installation using the Windows Installer service msixec.exe (CodeMeterRuntime32/64.msi).

Reduced Installation Package

This package also available for 32/64-bit operating systems presents a reduced functional scope of CodeMeter® Runtime. Not included are the relevant files of CodeMeter Control Center, the separate User Help, and the entries in the Windows start menu (shortcuts).

It is available as executable file (CodeMeterRuntime32/64Reduced.exe) and as separate package for Managed Software Installation using the Windows Installer service msixec.exe (CodeMeterRuntime32/64Reduced.msi).

The executable file of the reduced installation package is not downloadable in the user section of the Wibu-Systems website but in the developer section.

If you use the reduced installation package, please note that the CmDust entry of the start menu is no longer available. Creating the log file then alternative must be triggered using the command line tool cmu.

Chapter 3

Getting Ticket ID

A Ticket ID is needed to license your Siemens PTI product

A Ticket ID is a 25 character string consisting of alpha numeric characters in a five quintet character string separated by hyphens.

Example ABCD1-EF23G-4HI5J-K6LMN-7OPQR

Where to get a Ticket ID

Ticket IDs are issued by Siemens PTI to the primary contact for each software product. You can contact Siemens PTI if you do not know whom the primary contact is at your organization. Contact Technical Support via the PSS customer Service portal at <https://siemens-pss.freshdesk.com/support/login> with the Subject Line: "Help with Ticket ID".

How to use a Ticket ID

Collect a license using a web browser with Java enabled. Refer to [Chapter 4, Individual License Collection](#) for more information.

Collect a license through the exchange of files with Siemens PTI customer support. Refer to [Chapter 6, Manual Collecting](#) for more information.

Chapter 4

Individual License Collection

Instructions to collect a license with a Ticket Id

CodeMeter CmAct software-based licenses cannot be collected on virtual machines. They must be collected on a physical computer or a CmDongle (a CodeMeter USB dongle). Once collected, the license cannot be returned and re-collected. If you have a perpetual license, and are paid for annual Maintenance and Support, we will assist with one complimentary move per year (Example: migrating to a newer machine or upgrading the operating system). If you have the need for more frequent moves of the license, you should consider purchasing the CmDongle option. The CmDongle can easily be moved from one computer to another and are not susceptible to license invalidation due to computer crashes or system upgrades/changes.

Please contact Sales at pti-software-sales.ptd@siemens.com if you would like to upgrade and include CmDongle(s) with your lease.

When collecting a CodeMeter network license, make sure to collect the license on the computer that will be the license server.

Note: CodeMeter licenses must be returned before decommissioning a computer. A License not returned will be lost.

1. Navigate to Siemens PTI WebDepot URL: <https://siemens.com/pss-licenses>
2. Enter the Ticket: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX and click Next
3. Click Activate Licenses. You may see 3 options:
 - "I want my licenses in a dongle (CmDongle) to be able to use them on different computers. Firm Code: 102346". This is for hardware based licensing using a WIBU CodeMeter CmDongle.
 - "I want my licenses on one computer (CmActLicense). Firm Code: 5000333 | CmContainer: PTI_CmAct_1 (0001)". This is for software based licensing where the license is bound to an individual PC. Tickets issued before June 2017 should use the "PTI_CmAct_1 (0001)" option.
 - If you see the 3rd option, "I want my licenses on one computer (CmActLicense). Firm Code: 5000333 | CmContainer: PTI_CmAct_All (0002)". You should choose this option. This option should only be available for tickets issued after June 2017.
4. Click the option that is correct for your situation. If you don't have a CmDongle you have to use the CmActLicense option. If you ordered a CmDongle, you must wait until you receive the CmDongle to collect the licenses. Once a CodeMeter license is collected into a CmAct software container, it cannot be returned and re-collected into a CmDongle.
5. License Type:
 - For CmAct licenses, Select "Get CmContainer automatically" from the drop down menu and click "Activate Selected Licenses now".

- For CmDongle licenses, Select your CmDongles serial number from the drop down menu and click "Activate Selected Licenses now".

If you are having problems collecting/updating a license, update your CodeMeter runtime to the latest version.

1. Download and install the latest version of the CodeMeter Runtime from <http://www.CodeMeter.com/>
2. From the menu bar, select Downloads.
3. Download and install the latest CodeMeter Runtime, currently "CodeMeter Runtime-Kit 7.1.0a for Windows 32 and 64 Bit Update: 2020-09-16".

PSS[®] MUST only:

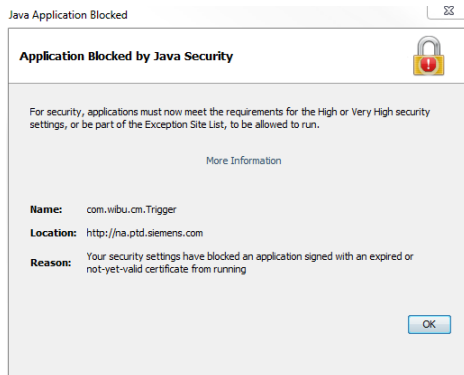
- Delete the default "Using Sentinel License"
- On any system running PSS[®]MUST 11 or 12 with a CodeMeter license, you need to delete the default installed MUST_1x.x.x_Use_Sentinel_License entry
- You can either use the .bat file shipped with MUST: "C:\Program Files (x86)\PTI\MUST 1x.x.x\Dongle\Delete_MUST_1x.x.x_Container_EXP_Apr.1.20xx.bat."
- Contact Support at pti.software.energy@siemens.com for the latest files.
- View ReadMe.txt for more information.

Chapter 5

Errors Collecting With Web Browser

If the collection of a license is unavailable due to Java/ActiveX problems, use the offline activation.

1. Click OK on the Application Blocked by Java Security window.



2. You may see 3 options:
 - "I want my licenses in a dongle (CmDongle) to be able to use them on different computers. Firm Code: 102346". This is for hardware based licensing using a WIBU CodeMeter CmDongle.
 - "I want my licenses on one computer (CmActLicense). Firm Code: 5000333 | CmContainer: PTI_CmAct_1 (0001)". This is for software based licensing where the license is bound to an individual PC. Tickets issued before June 2017 should use the "PTI_CmAct_1 (0001)" option.
 - If you see the 3rd option, "I want my licenses on one computer (CmActLicense). Firm Code: 5000333 | CmContainer: PTI_CmAct_All (0002)". You should choose this option. This option should only be available for tickets issued after June 2017.
3. Click on the Offline Activation link at the bottom of the page.

Your Licenses for Firm Code: 102346

1. Choose the licenses you want to activate.
2. Choose the locally connected CmContainer.
3. Click "Activate Licenses".

<input checked="" type="checkbox"/>	Product ID	Product Name	Status	Ticket	Date	CmContainer
<input checked="" type="checkbox"/>	PTI PSS@E 34	PTI PSS@E 34	Available: 9 (10)	12345-ABCDE-67890-FGHIJ-54321	2016-04-06	128-4576920

Java/ActiveX is not enabled. Please enable Java/ActiveX in your Browser or use Offline Activation.

Choose your CmContainer
Plugin not loaded

Your Licenses for Firm Code: 5000333

1. Choose the licenses you want to activate.
2. Choose the locally connected CmContainer.
3. Click "Activate Licenses".

<input checked="" type="checkbox"/>	Product ID	Product Name	Status	Ticket	Date	CmContainer
<input checked="" type="checkbox"/>	PTI PSS@E	PTI PSS@E	Available: 9 (10)	12345-ABCDE-67890-FGHIJ-54321	2016-04-06	128-4576920, 128-4576920

Java/ActiveX is not enabled. Please enable Java/ActiveX in your Browser or use Offline Activation.

Choose your CmContainer
Plugin not loaded

- Open the CodeMeter Control Center window. It is available in Windows start menu at: All Programs -> CodeMeter -> CodeMeter Control Center.
- Import the file (PTI_CmAct_All.wbb) into CodeMeter Control Center. The file PTI_CmAct_All.wbb is located in your Siemens PTI software installation folder.
- Click Activate License.
- Click Next.
- Make sure Create license request is selected.
- . Choose a location to save the License Request File (*.WibuCmRAC) for your computer.
- Click Commit and then Finish.
- Go back to the Siemens PTI WebDepot and click Browse to locate the License Request File (*.WibuCmRAC) created in step 9.
- Click Get License Update.
- Once you receive the license update file, import it into the CodeMeter Control Center and Activate the license.

Chapter 6

Manual Collecting

Activating CmActLicense licenses

Contact Siemens PTI by visiting the Siemens PTI Products Customer Support Form at <https://siemens-pss.freshdesk.com/support/login> to begin the license process.

You will be given a license information file to begin the process. If available, you will be directed to our Web Depot to collect your license with a ticket ID.

Proceed as follows to activate a CmActLicense licenses on your PC with a license information file you received from Siemens PTI

1. Drag & drop the *.wbb file, e.g. MyCmActLicense.wbb, you received from Siemens PTI onto CodeMeter Control Center.

The "Status" field will show that this is only an empty license container and not a license. At the same time the CodeMeter® symbol changes to red.

2. Click the "Activate License" button to create a license request fill, e.g. *.WibuCmRaC, and send it to Siemens PTI.
3. Siemens PTI will send you a license update file, e.g. *.WibuCmRaU.
4. Drag & drop the *.WibuCmRaU file you received from Siemens PTI onto CodeMeter Control Center.

The "Status" field shows that the license has been activated. At the same time, the license has a serial number, and the CodeMeter® symbol has switched to activated status.

Chapter 7

Network License Collection

Instructions to collect a CodeMeter network license, into a CmAct container or CmDongle, with a Ticket Id

When collecting a CodeMeter network license, make sure to collect the license on the computer that will be the license server. The CodeMeter runtime is required to be installed on the computer that will be the license server. See below to download the CodeMeter runtime. CodeMeter licenses cannot be collected on virtual machines. They must be collected on a physical computer or a CmDongle (a CodeMeter USB dongle).

Note: CodeMeter licenses must be returned before decommissioning a computer. A License not returned will be lost.

1. On the computer that will be the license server, navigate to Siemens PTI WebDepot URL: <https://siemens.com/pss-licenses>
2. Enter the Ticket: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX and click Next
3. Click Activate Licenses. You may see 3 options:
 - "I want my licenses in a dongle (CmDongle) to be able to use them on different computers. Firm Code: 102346". This is for hardware based licensing using a WIBU CodeMeter CmDongle.
 - "I want my licenses on one computer (CmActLicense). Firm Code: 5000333 | CmContainer: PTI_CmAct_1 (0001)". This is for software based licensing where the license is bound to an individual PC. Tickets issued before June 2017 should use the "PTI_CmAct_1 (0001)" option.
 - If you see the 3rd option, "I want my licenses on one computer (CmActLicense). Firm Code: 5000333 | CmContainer: PTI_CmAct_All (0002)". You should choose this option. This option should only be available for tickets issued after June 2017.
4. Click the option that is correct for your situation. If you don't have a CmDongle you have to use the CmActLicense option. If you ordered a CmDongle, you must wait until you receive the CmDongle to collect the licenses. Once a CodeMeter license is collected into a CmAct software container, it cannot be returned and re-collected into a CmDongle.
5. License Type:
 - For CmAct licenses, Select "Get CmContainer automatically" from the drop down menu and click "Activate Selected Licenses now".
 - For CmDongle licenses, Select your CmDongles serial number from the drop down menu and click "Activate Selected Licenses now".
6. If you receive a Java/ActiveX warning when trying to collect a license, use the following file to complete the steps in Chapter 4, Collecting With Web Browser or Chapter 6, Manual Collecting.
7. Once the license has been collected, open the CodeMeter Control Center window. It is available in Windows start menu at: All Programs>CodeMeter>CodeMeter Control Center.

8. Click the WebAdmin button in the lower right of the dialog window. This will open your default browser to the CodeMeter WebAdmin.
9. In WebAdmin, select Configuration>Server>Server Access
10. On the Server Access tab, enable Network Server and if desired CmWAN Server. Click apply. Note: Changes only take effect after restarting CodeMeter.
11. Return to the CodeMeter Control Center and click Process>Restart CodeMeter Service to apply your changes
12. Your license server is now set up to distribute network licenses
13. For detailed information on administering CodeMeter license, download the "CodeMeter Administrator Manual" from: <https://www.wibu.com/manuals-guides.html> Note: CodeMeter license servers use port 22350 by default.

If you are having problems collecting/updating a license, update your CodeMeter runtime to the latest version.

1. Download and install the latest version of the CodeMeter Runtime from <http://www.CodeMeter.com/>
2. From the menu bar, select Downloads.
3. Download and install the latest CodeMeter Runtime, currently "CodeMeter Runtime-Kit 7.1.0a for Windows 32 and 64 Bit Update: 2020-09-16".

CodeMeter license servers use port 22350 by default.

License Search Order

Starting with PSS[®] E 33.12.0 and PSS[®] E 34.5.0, a local CodeMeter license will be used before a CodeMeter Network license. Additionally, a CmDongle license will be used before a CmAct license.

Chapter 8

Client License Setup

The client license setup should be performed after a Network License has been collected.

1. Install the Siemens PTI software. This will also install the CodeMeter Runtime.
2. Open the CodeMeter Control Center window. It is available in Windows start menu at: All Programs>CodeMeter>CodeMeter Control Center.
 - If the CodeMeter Control Center is not installed, you may have had an issue with the CodeMeter Runtime installation. Install the latest version of the CodeMeter User Runtime for Windows which can be downloaded from <https://www.wibu.com/downloads-user-software.html>.
3. Click the WebAdmin button in the lower right of the dialog window. This will open your default browser to the CodeMeter WebAdmin.
4. In WebAdmin, select Configuration>Basic>Server Search List.
5. Click "add new Server" and Enter the Server's name or IP-Address.
6. Click Add and then Apply.
7. Your Client computer is now set up to search for a network licenses.

CodeMeter license servers use port 22350 by default.

License Search Order

Starting with PSS[®] E 33.12.0 and PSS[®] E 34.5.0, a local CodeMeter license will be used before a CodeMeter Network license. Additionally, a CmDongle license will be used before a CmAct license.

Chapter 9

Checking Your Installed Licenses

Viewing License

You can view all of your CodeMeter licenses using the WebAdmin. Open the CodeMeter Control Center either by navigating to the Start menu program option Start Menu\Programs\CodeMeter\ CodeMeter Control Center or by clicking on the CodeMeter icon on you task bar.

Once the CodeMeter Control Center is open, click on the WebAdmin button. That will open the WebAdmin in your browser (<http://localhost:22350>).

Click on License Monitoring > All Licenses to see what licenses you have installed. Siemens PTI licenses will be under the sections 102346, 5000333 and 6000759. You may see license information for other non-Siemens PTI products as well. This is normal as other products may also use CodeMeter technology.

More information about CodeMeter licensing is available in the CodeMeter Administrators Manual, downloaded from <http://www.wibu.com/en/manuals-guides.html>.

Chapter 10

Borrowable Network License

A CodeMeter borrowable network license is a pool of licenses, collected on a physical machine or CmDongle, available to a pool of users that can check it out on to a physical or virtual machine. The license can be borrowed for a maximum of 30 days. The PSS License Manager software is used by the Clients to borrow a license.

1. Copy the file PSSLicenseManager.zip to Server and extract. Choose any location to save the files.
 - PSS_Borrowable_License.WibuCmLif
 - PSS_Borrowed_License.WibuCmLif
 - PSSLicenseManager.exe
 - PTILicenseManual.pdf
 - WibuCmNET.dll
2. Install the CodeMeter runtime on the Server. Refer to [Chapter 2, Installing CodeMeter Runtime](#) for more information.
3. Import the file PSS_Borrowable_License.WibuCmLif into your CodeMeter Control Center.
 - Open the CodeMeter Control Center window. It is available in Windows start menu at: All Programs -> CodeMeter -> CodeMeter Control Center.
 - Import the file (PSS_Borrowable_License.WibuCmLif) into CodeMeter Control Center. The file PSS_Borrowable_License.WibuCmLif is located in the location you extracted the file in Step 1.
4. Collect the Borrowable license on Server. Refer to [Chapter 7, Network License Collection](#) for more information.
5. Configure Server as Network Server. Refer to [Chapter 7, Network License Collection](#) for more information.
6. Install CodeMeter runtime on Client if not already installed by PSS software.
7. Configure the Client computer to search for a network license by adding the Server IP address to the Client's Server Search List. Refer to [Chapter 8, Client License Setup](#) for more information.
8. Configure the Client computer to borrow a license.
 - a. Copy PSS License Manager to Client.
 - b. Run License Manager.
 - c. Check the Include Remote Server box.

- d. Click the Refresh License button.
- e. Select the Borrowable License from Available Licenses list.
- f. Click the Borrow License button.
- g. If a compatible license container is available, it will be displayed in the Choose Borrow Client Container list. If one is not available a new container will be created. Enter the Borrow Time in seconds and click the OK button. The maximum and default time is set to 30 days.
 - 1 hour is 3600 seconds.
 - 1 day is 86400 seconds.
 - 1 week is 604800 seconds.
 - 30 Days is 2592000 seconds. The default setting.
9. Confirm the Client has a license by running the PSS software or refer to [Chapter 9, Checking Your Installed Licenses](#) for more information.

Chapter 11

Returning a License

Instructions on how to return a CodeMeter License

Note: Not all licenses can be returned. If you are unable to return a license, please contact support.

CodeMeter CmAct software-based licenses cannot be collected on virtual machines. They must be collected on a physical computer or a CmDongle (a CodeMeter USB dongle). Once collected, the license cannot be returned and re-collected. If you have a perpetual license, and are paid for annual Maintenance and Support, we will assist with one complimentary move per year (Example: migrating to a newer machine or upgrading the operating system). If you have the need for more frequent moves of the license, you should consider purchasing the CmDongle option. The CmDongle can easily be moved from one computer to another and are not susceptible to license invalidation due to computer crashes or system upgrades/changes.

Please contact Sales at pti-software-sales.ptd@siemens.com if you would like to upgrade and include CmDongle(s) with your lease.

When the computer has Internet access:

1. Navigate to Siemens PTI WebDepot URL: <https://siemens.com/pss-licenses>
2. Enter the Ticket: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX and click Next
3. If you see the button "Continue License Transfer", click it. After the license transfer is done, click the Home link on the upper left of the page and enter the ticket ID again. Click next
4. Click Return license. After a few seconds this process should finish. The license should have been returned and be available for collection. CodeMeter licenses collected into a CmActLicense container, cannot be returned and re-collected into a CmDongle.

When the computer does not have Internet access:

This process requires the sending of multiple emails to confirm license deletion.

1. Run the program Start Menu\Programs\CodeMeter\Tools\CmDust, to create a log file, listing the licenses on your system.
2. A DOS Box will appear for some moments. Windows Explorer will open in the location of C:\Users\UserName, Where UserName is the login name of the user. There you will find a file named "CmDust-Result.log".
3. Send us the file named "CmDust-Result.log". If more that 1 log file is created in that directory, please send us the most recent.
4. PTI examines the log file to confirm which license to delete.
5. Send the user a command to delete the license.
6. After running the command on each system, have the user create new log files, using CmDust.

7. Send the log file to PTI.
8. PTI examines the log file to confirm that the license has been deleted.
9. PTI will issue a new license that can be collected on the users system.

Chapter 12

CodeMeter Performance Tuning

Speed Up Options / Delayed Start-up Issues:

A delayed start time can happen when your system UDP waiting time set to 1000 Milliseconds. The PSS®E installer should have changed this to 100 Milliseconds. Make sure to reboot your system after installing a PSS® product. A reboot is needed to change the UDP waiting time.

To change/check the UDP Waiting Time setting:

1. Open the CodeMeter Control Center window. It is available in your Windows start menu at: All Programs>CodeMeter>CodeMeter Control Center.
2. Click the WebAdmin button in the lower right of the dialog window. This will open your default browser to the CodeMeter WebAdmin.
3. Select Configuration>Advanced
4. On the Extra tab you can change the UDP Waiting Time to 100 Milliseconds if needed

Note:

Changes only take effect after restarting CodeMeter service.

Another reason your start time could be delayed is if your system is looking for a CodeMeter network license, when it shouldn't. If you are using a Sentinel network license and not a CodeMeter network license, you should not have an entry in your Server Search List.

1. Open the CodeMeter Control Center window. It is available in your Windows start menu at: All Programs>CodeMeter>CodeMeter Control Center.
2. Click the WebAdmin button in the lower right of the dialog window. This will open your default browser to the CodeMeter WebAdmin.
3. In WebAdmin, select Configuration>Basic>Server Search List
4. If you have a Server listed, that is not for another product, deleting this entry should reduce the PSS® product start up time.
5. Another option is to add you local system to this Server Search List. Click add new Server. Enter the IP Address 127.0.0.1 and click add.

Chapter 13

Troubleshooting

Troubleshooting

Generate a CmDust Diagnostic Report on the system having problems. Here is how to generate one.

To generate a CmDust Diagnostic Report:

1. Go to Start->CodeMeter->Tools->CmDust.
2. A DOS Box will appear for some moments.
3. An Explorer window will open in C:\Users\username. There will be a file named "CmDust-Result.log". Send us the file "CmDust-Result.log".