

CMS License Manager 2.10

User Manual



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<http://www.medisimaging.com>

On the Medis website, select “Products” and then the applicable product group. The user documentation can be found on that page.

A PDF reader is required to access the user documentation. If a PDF reader is not installed on the system, you can download the free Adobe reader. Visit the Adobe website at <https://get.adobe.com/reader/> and click “Download Adobe Reader” to download the PDF reader.

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1 About CMS License Manager

CMS License Manager will support you in configuring and managing licenses and pay-per-use vouchers for all Medis applications.

When you first install Medis software, you use CMS License Manager to:

- install a license server (only if you are implementing the floating license mechanism and no license server is available in the network yet)
- install licenses and pay per use vouchers from a file

When you are already running Medis software, you mainly use CMS License Manager to:

- view available licenses or pay per use vouchers
- install additional licenses or pay per use vouchers from a file

You can also use CMS License Manager to:

- change the licensing type from local to floating or vice versa
- delete local or network licenses
- block or unblock network licenses (only available in floating license configuration)
- check commuter network licenses out or in (only available in floating license configuration)
- view information related to licensing

Some of the CMS License Manager actions require the application to restart in elevated mode.

During this restart you will get a Windows UAC prompt, which looks like this: .

2 System Requirements

2.1 Hardware

CMS License Manager:

- A 64 bit processor
- 8 GB RAM
- 10 GB free disk space after the software is installed
- A monitor with a screen resolution of 1.3 Megapixels (e.g. 1280 x 1024 pixel for a display ratio 4:3, 1600 x 900 pixels for display ratio 16:9)

Sentinel license server:

- A 32 or 64 bit processor
- 4 GB RAM
- 5 GB of available hard disk space

NOTES:

- All hardware must be compliant with the operating system.
- The requirement for the disk space does not take storage space for image data into account. If you want to store images on the local machine, make sure that sufficient disk space is available. Also note that client machines will cache image data from the server temporarily on the local machine.
- To view image data a dedicated graphics card supporting OpenGL and at least 512 MB memory is recommended.
- To connect your workstation with other machines in the network (e.g. a client-server configuration, or receive and send images to a remote DICOM node) a network connection will be required. A network interface card supporting at least 100 mbps is recommended.
- For the license server, a workstation with a fixed IP address or a reserved IP address in the DNS server is recommended.

2.2 Operating System

CMS License Manager:

- Microsoft Windows 10, 64-bit
- Microsoft Windows 11, 64-bit
- Microsoft Windows Server 2012 R2, 64-bit
- Microsoft Windows Server 2016, 64-bit
- Microsoft Windows Server 2019, 64-bit
- Microsoft Windows Server 2022, 64-bit

Sentinel license server:

- Microsoft Windows 10, 32-bit and 64-bit
- Microsoft Windows 11, 64-bit
- Microsoft Windows Server 2012 R2, 64-bit
- Microsoft Windows Server 2016, 64-bit
- Microsoft Windows Server 2019, 64-bit
- Microsoft Windows Server 2022, 64-bit

3 Support

Medis is committed to offering high-quality products and services. If you have questions about the software or if you would like to make suggestions for improvements in the software or in the documentation, please contact the Medis helpdesk.

If you contact the Medis helpdesk by e-mail, mention the name of the software and the version number in the subject field.

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Working with CMS License Manager

4 Setting up Licensing

There are two types of licensing mechanism from which your organization can choose to allow users to work with Medis applications:

- local licenses
- floating licenses



When the Medis software is used from a terminal session on a Windows Server machine, (i.e. multiple users can use the Medis software independently from each other from the same machine), it is not possible to install or use **local licenses**, it is required to work with **floating licenses**.

Both the local and floating licenses can be combined with a pay per use voucher.

The CMS License Manager enables you to set up and maintain a local or a floating licensing mechanism in your network or on individual workstations.

To enable local licensing

1. Install the Medis application or applications.
2. Using the CMS License Manager, install the license and/or pay per use vouchers you have received from Medis.

Once you have installed local licenses, you can always add additional licenses and/or pay per use vouchers, or change the licensing type to floating.

To enable floating licensing

1. Install the Medis application or applications.
2. If there is no License Server in your network yet, install a License Server first.
3. Using the CMS License Manager, install the license and/or pay per use vouchers you have received from Medis.

Once you have enabled floating licensing, you can always add additional licenses and/or pay per use vouchers, or change the licensing type to local. You can also block or unblock network licenses, or check commuter licenses out or in.

5 Starting the CMS License Manager



The CMS License Manager opens at the end of the installation process of Medis Suite. If you want to manage licenses in your environment at another time, you can access the CMS License Manager through the Windows start menu, or directly from Medis Suite .

To start the CMS License Manager

1. In the Windows environment select **Start > (All) Programs**.
2. From the program list, select **Medis Suite 4.0 > CMS License Manager**.

This starts the CMS License Manager.

or

1. In Medis Suite, select  > **Tools > Show available licenses** to open the license overview tab.
2. From the license overview tab, select the **Start CMS License Manager** button .

This starts the CMS License Manager.

From the CMS License Manager main window you can access an overview of available licenses and you can install additional licenses.

To access more options, click **Advanced...**

6 Installing a License Server

The floating license mechanism requires a license server. You only need to install a license server if there is no license server in your network yet. You can install the license server on a separate machine in the network, or on the same machine with the Medis application.

NOTE: The machine on which you install a license server does not need to be dedicated to this single task.

NOTE: If your network already includes a license server or if your organization only uses local licenses, you must not install a license server.

NOTE: The machine on which you install a license server should have a hostname that only contains single byte (ANSI) characters. Using multi byte or Unicode characters in the hostname may introduce problems during the configuration of the client machines.

To install a license server

1. In the CMS License Manager, click the button **There are preinstalled licenses and vouchers...**

If this text is not shown, click **Advanced...**, and then click **Install a license server ...**
2. Click **Install a license server...** and follow the instructions to install the new license server.

7 Installing License Files

You can install licenses during the installation process of the Medis Suite application or through the CMS License Manager. If licenses were not installed during the installation of the Medis Suite application, this must be done later to enable users to work with the Medis applications.

Licenses can be pre-installed, which means that they have already been installed on the network or on the workstation.

To install licenses

1. Store the license file or license files that you have received on your network or on a USB key, so that they are available during the installation.
2. If you have received a hardware key, attach it to the machine on which the Medis Suite application runs if you are installing local licenses, or to the machine on which the license server runs if you are installing floating licenses.
3. On the machine on which the Medis Suite application runs, start the CMS License Manager.

Click **I have a file with licenses and vouchers and I want to install them.**

If this option does not appear, click **Advanced...** and click **Install licenses and vouchers from a file**

4. In the Install License(s) window, click **Browse...** and look up the location where the license file or files are stored. Click **Open** and then click **OK**.

This installs the licenses and/or vouchers.

5. Click **Close** and then click **Exit**.

8 Changing the Licensing Type

There are two types of licensing mechanism from which your organization can choose to allow users to work with Medis applications:

- local licenses
- floating licenses

When you have enabled a floating licensing mechanism, you can change this to local, and vice versa.

NOTE: When you want to change the licensing type, make sure that license files of the new type are installed on the license server (when you are switching to floating licenses) or on the workstation (when you are switching to local licenses). Make sure to obtain new license files first.

To change the licensing type to floating

1. Make sure that a license server is installed. If no license server is present in your network, install a license server.
2. Make sure that a license file is installed on the license server. If no license file is present, obtain and install it.
3. In the CMS License Manager, click **Advanced...**
4. Click **Use floating licenses (set contact server)**.

This opens a dialog window.

5. Click **List license servers...** and select a license server from the drop-down list. Click **OK**.
6. Click **Close** in the Advanced window.

The name of the license server you selected is now shown in the CMS License Manager.

7. Click **Exit**.

To change the licensing type to local

1. Make sure that a license file is installed on the workstation. If no license file is present, obtain and install it.
2. In the CMS License Manager, click **Advanced...**
3. Click **Use local licenses**.
4. You are prompted to confirm that you want to use local licenses. Click **Yes**.
5. Click **Close** in the Advanced window.

The configuration type specified in the CMS License Manager is local.

6. Click **Exit**.

9 Installing Additional License Files

You can use the License Manager to install additional license files on a license server or on a workstation on which license files are already present.

To install additional license files

1. In the CMS License Manager, click **Advanced...**
2. Click **Install licenses and vouchers from a file.**
3. In the Install License(s) window, click **Browse...** and look up the location where the license file or files are stored. Click **Open** and then click **OK**.

This installs the licenses and vouchers.

4. Click **Close** and then click **Exit**.

10 Viewing Available Licenses and Vouchers

You can check which licenses are available on a workstation.

To view available licenses

1. In the CMS License Manager, click **Advanced...**
2. Click **View available licenses and vouchers.**

This opens a window that presents a list of available licenses.

NOTE: You cannot modify the configuration in this window. Refer to the instructions for installing additional license files, blocking or unblocking network licenses, and checking commuter licenses in and out.

3. Click **Close.**
4. Click **Close** in the Advanced window and then click **Exit.**

11 Deleting Licenses

You can delete licenses available on a workstation.

NOTE: Pay per use vouchers cannot be deleted.

To delete available licenses from a workstation

1. In the CMS License Manager, click **Advanced...**

2. Click **Delete licenses**.

This opens a window that presents a list of available licenses.

3. Select the check box or boxes of the license or licenses that you want to delete and click **Delete**.

When a license has been deleted, the status Succeeded is shown in the Progress pane.

4. Click **Close**.

5. Click **Close** in the Advanced window and then click **Exit**.

12 Blocking or Unblocking Network Licenses

Medis applications may contain one or more modules that each have their own license. For example, there are licenses for the straight segment analyses or for the left ventricle analysis in QAngio XA. In a floating license configuration, you can ensure that the workstation or workstations that need access to a specific type of functionality can always access it. You do this by blocking the floating license associated with the functionality on all workstations that do not need it.

To block and unblock network licenses

1. Log on to the workstation for which you want to block a specific type of functionality.
2. In the CMS License Manager, click **Advanced...**
3. Click **Block or unblock floating licenses**.

This opens a list of licenses that the workstation can currently claim from the license server.

4. Select the check box or boxes of the license or licenses that you want to block and click **Submit**.

When a license has been blocked, the status Succeeded is shown in the Progress pane.

To unblock a license, clear its check box and click **Submit**.

When the license has been unblocked, the status Succeeded is shown in the Progress pane.

5. Click **Close**.
6. Click **Close** in the Advanced window and then click **Exit**.

13 Checking Commuter Licenses In and Out

Commuter licenses are temporary local copies of floating licenses. They are typically used to enable the licensing mechanism on laptops or to keep licenses available when the network or the license server is temporarily unavailable.

Commuter licenses can be claimed for a maximum of 30 days. After 30 days, they become available on the license server again and can no longer be claimed on the laptop or workstation on which they were checked out.

NOTE: Commuted licenses are not available to other users claiming these licenses from the license server.

NOTE: When a system works with commuted licenses, all CMS License Manager functionality on that system is blocked, except for the functionality needed to check the commuter licenses back in.

To check out commuter licenses

Log on to the system that needs one or more temporary licenses.

1. In the CMS License Manager, click **Advanced...**
2. Click **Get or Return commuter licenses from server.**

This opens a list of licenses that the system can claim from the license server.

3. Select the check box or boxes of the license or licenses that must be available, type the number of days for which it must be available on the system, and click **Check Out.**

When a license has been checked out successfully, the status **Checked Out** is shown in the Progress pane.

4. Click **Close.**
5. Click **Close** in the Advanced window and then click **Exit.**

To check in commuter licenses

1. Log on to the system with the commuter licenses and make sure there is a network connection.
2. In the CMS License Manager, click **Advanced...**
3. Click **Get or Return commuter licenses from server.**

This opens a list of licenses that have been claimed.

4. Leave the check boxes selected of the licenses that you want to check in, and click **Return.**

When a license has been checked in successfully, the status **Returned** is shown in the Progress pane.

5. Click **Close.**
6. Click **Close** in the Advanced window and then click **Exit.**

14 About CMS License Manager

You can look up information about CMS License Manager, about the license server, and about properties of the current machine that are related to licensing.

To view licensing information

1. In the CMS License Manager, click **Advanced...**
2. Click on **About**.
3. This opens a window that shows the following information:
 - the CMS License Manager version number
 - the hostname of the computer you are currently logged on to
 - the version number of the license server, if there is one on the computer you are currently logged on to
 - the locking codes of the computer you are currently logged on to

15 Extended Functionality

For Service Engineers, extended license functionality may be needed.

To use extended functionality

1. In the CMS License Manager, click **Advanced...**
2. Click on **Start WlmAdmin (needs administrator rights)**.
3. This will start an external application (provided as a redistributable by Safenet) that shows the following:
 - detailed information of all license servers available in the network
 - detailed information of all licenses on each server