VICON

Installing and licensing Vicon Nexus

Contents

VICON

About this guide

This guide provides information about installing Nexus. It also includes details about how to license Nexus using the licensing software, SafeNet Sentinel and the Vicon Automated Unified Licensing Tool (VAULT).

Regulatory information

For Vicon Nexus regulatory details, see Vicon Nexus regulatory information in the Nexus documentation area of the Vicon website (docs.vicon.com).

Install Vicon Nexus

To install Vicon Nexus:

1. Visit the Vicon **Software** page at https://www.vicon.com/downloads/software.

2. On the **Software** page, click **Nexus** and download the Vicon Nexus 2.# software installer.

3. In Windows Explorer, go to the folder to which you downloaded the installer and double-click **Vicon_Nexus_Setup.exe**.

> ⓘ **Note**
>
> If you are upgrading from an earlier version of Nexus, note that before proceeding with installation, Nexus 2 automatically scans for Nexus 1.x files, displays a list of any older files that it finds, and provides an automated system for importing these into Nexus 2. This process copies all the old files and converts the copies, ensuring that original files are not moved, altered, or destroyed.

4. On each wizard page, provide the requested details, and click **Next**.

5. On the **End-User License Agreement** wizard page, read and accept the terms.

> ⊘ Tip
>
> If an older version of the license server is already installed, it is replaced. If the same version is already installed, the license server is not installed. If you are already using any other version of the SafeNet licensing tools, before replacing them with the version included with Vicon Nexus, contact Vicon Support for advice.
>
> If you are setting up a network license server and do not want Vicon Nexus on that machine, use the separate Vicon Vault installer to install only the license server.

6. In the confirmation boxes, check that the selected components have been successfully installed and click **OK**.

7. On the final wizard page, click **Finish**.

8. Enter the required information into the subsequent dialog boxes until the installation is complete.

> ⓘ Note
>
> Installing the Sentinel License Manager also installs the License Tools.

File and folder locations

The main installation folder, to which Vicon Nexus 2 is installed is:

InstallLocation\Nexus2.*#*

Where:

InstallLocation is the location you select during installation. If you don't select a location, Nexus is installed in the default location:

C:\Program Files (x86)\Vicon)\Nexus2.*#* or C:\Program Files\Vicon\Nexus2.*#*

Files in this folder are Read-Only system files and must not be modified.

Shared and Private files

When you use Nexus, files that you create as Shared files are stored in subfolders in the following folder:

C:\Users\Public\Documents\Vicon\Nexus2.x

Files that you create as Private files are stored in subfolders of the following folder:

C:\Users*username*\AppData\Roaming\Vicon\Nexus2.x

Calibration files

Calibrations are shared between Vicon products and are stored in a common Program Data folder:

C:\ProgramData\Vicon\Calibrations

About licensing Vicon Nexus 2

From release 2.0, Nexus is licensed using SafeNet Sentinel and Vicon Automated Unified Licensing Tool (VAULT). Licenses are delivered via email from Vicon Support or Sales. The licenses are attached to email as files with extension .lic or with no extension. All license files are readable in a text editor.

A dongle is not necessary to license Nexus through SafeNet, although you can use dongles with Nexus. These must be SafeNet USB dongles and ordered in addition to Nexus. You cannot use existing HASP dongles that were previously used to license Nexus.

See also:

❚ Types of license on page 11

❚ License locking on page 12

❚ Network licensing on page 13

❚ USB dongles on page 14

❚ Running multiple instances of Vicon Nexus on page 15

Types of license

Two different types of license are available.

▌ **Standalone** A license that is installed on the machine that is running Vicon Nexus.

▌ **Network** A license that is installed on a SafeNet license server, which can serve multiple seats of Nexus running on different machines.

License locking

Licenses can be locked in two different ways.

❚ **PC locked** A combination of the MAC address of one of the network interfaces and an ID from one of the hard disks in the machine are used to create a unique lock code.

❚ **Dongle locked** A SafeNet USB dongle has a unique lock code.

You can have any combination of the type and locking stated above, giving four different license configurations.

❚ Standalone – PC locked

❚ Standalone – Dongle locked

❚ Network – PC locked

❚ Network – Dongle locked

Network licensing

The SafeNet License Server software is installed in addition to Vicon Nexus. You can install the SafeNet License Server software in the following ways.

❚ Using the Vicon Nexus installer (as part of the normal Nexus installation procedure)

❚ Using the Vicon Product Licensing installer

❚ Using SafeNet's installer. This may have been sourced from either SafeNet or through Vicon.

The SafeNet License Server software can be installed on the same machine that needs to run Nexus or (more usually) on a machine central to all machines that need to run Nexus.

USB dongles

When using a SafeNet USB dongle, the correct dongle driver needs to be installed. This driver can be installed in the following ways:

❚ Windows may automatically install the driver when the dongle is plugged in for the first time.

❚ Using the Vicon Nexus installer (as part of the normal Nexus installation procedure)

❚ Using the Vicon Product Licensing installer

❚ Using SafeNet's installer. This may have been sourced from either SafeNet or through Vicon.

Standalone dongle licensing

When you start Nexus, the presence of the dongle will be checked to ensure that the standalone license will allow Nexus to run. You do not need to have the dongle plugged in to activate the license.

Network dongle licensing

At the time that the License Server starts (usually at machine start), the presence of the dongle will be checked. If the dongle is not plugged in when the License Server starts, it will not be possible to activate a license or use a license previously activated on the server locked to the dongle.

Running multiple instances of Vicon Nexus

Usually, multiple instances of Nexus can be run on the machine from the same license. Multiple network seats are not used up when running multiple instances on the same machine.

License Vicon Nexus

To start using Vicon Nexus, you must first request a license and activate it. You may also need to set the license server for your license. If you want to use Vicon Nexus remotely, you will need to set up commuter licensing. For details of these procedures, see the following topics:

▌ Request a license on page 17

▌ Activate a license on page 19

▌ Set the license server on page 20

▌ View information about license servers on page 22

▌ Move and revoke Vicon Nexus licenses on page 23 (including commuter licensing)

The Vicon Licensing software also enables you to:

▌ View information about license servers on page 22

Request a license

To request a license, you start Vicon Nexus and supply the relevant details.

To request a license from Vicon Support:

1. If you are using a SafeNet dongle to license your machine:

    a. Ensure you have installed the latest dongle drivers onto the PC on which you will run Vicon Nexus. You can either choose the option for dongle drivers when you install Vicon Nexus, or run the Vicon Nexus installer at any time, or you can download the drivers from the Downloads page on the Vicon website.

    b. Insert the dongle.

2. On the machine for which you want the license (either a networked license server or a standalone machine), start Vicon Nexus and at the left of the dialog box, click **Request License**.

> ✅ You can also manage licensing in the following ways:
>
> ▎ After you have licensed Vicon Nexus, start Nexus and on the Help menu, click **Vicon Product Licensing**; or
>
> ▎ To run the Vicon Automated Unified Licensing Tool (VAULT) independently of Vicon Nexus, click the **Start** button, then **All Programs > Vicon > Licensing > Vicon Product Licensing**.

3. At the top of the **Request a License** dialog box, from the **Product** and **Product Version** menus, ensure Vicon Nexus and **2.x** are selected.

4. In the appropriate fields, type your name, email address and company name.

5. In the **Options** area, select whether to request:

   ❙ **Standalone license locked to** local PC name: for use by the PC from which you are sending this request only

   ❙ **Network license locked to** license server name: for use on the license server machine from which you are sending this request by one or more PCs on the same network

   ❙ **Standalone license locked to a dongle**: for use with the specified dongle on a single PC. In the **Dongle ID** field, type the ID, which is found on the dongle.

   ❙ **Network license locked to a dongle**: for use on a license server machine by one or more PCs via the specified dongle. In the **Dongle ID** field, type the ID, which is found on the dongle.

6. For network/server based licenses only: if necessary, change the value for the **Number of Seats**.

7. Leave the settings in the **Machine** area at their default values unless you are asked to change them by Vicon Support (for example, if you are using a dual-booting system or have had to reinstall Windows).

8. Do one of the following:

   ❙ If you can currently email your license request, click the **Email Request** button; or

   ❙ If email is currently unavailable, click **Save Request to a file**, so that you can send the request later. Type or browse to a suitable location and click **OK**. The file is saved as ViconLicenseRequest*.xml. When possible, email the file to Vicon Support.

Activate a license

After you have received a license file from Vicon Support, you must activate it before you can start using Vicon Nexus.

To activate a license:

1. Check your email for a message from Vicon Support. The license file (named **Vicon Nexus** *Release Number License Type*.lic, for example, *Vicon Nexus 2.8 Network.lic*) is attached to the email. If you are using a Safenet dongle, the email has the ID of your dongle (of the form UB*nnnnnn*) in the **Subject** line.
If you have not received a license file, request one as described in .

2. Save the license file (*.lic) to the Windows desktop of the machine for which you have a license (or any other suitable location).

3. Start Vicon Nexus and in the **Vicon Automated Unified Licensing Tool** dialog box, click **Activate License**.

4. Depending on whether you are using the file as it was received from Vicon Support or as a text string copied from the file:

   ▌ In the **License File Activation** field, type or browse to the location of the license file (**.lic) and click *Activate from File**; or

   ▌ Copy the text to the **License Activation string** field and click **Activate from String**.

5. Click **OK**.

> ⊘ **Tip**
>
> You can deactivate a network license from the relevant license server machine only, not from any of the client machines.

When you have activated your license, you are ready to start using Vicon Nexus.

Set the license server

If a server provides licenses to client PCs on your network, to enable a client PC to find its license quickly, on the client PC specify the license server for Vicon Nexus to use.

If you use standalone licensing, Vicon Nexus should find its license. If not, or if you need to change the license server, complete the following steps.

To enable Vicon Nexus to find its license:

1. Ensure you have installed Vicon Nexus as described in Install Vicon Nexus on page 5. Depending on the type of license you have, ensure that your system is ready:

   ▎ If your PC obtains its license from a license server, ensure that Vicon Nexus is licensed on the relevant server.

   ▎ If you are using a standalone license, ensure that you have requested, saved and activated your license on this machine.

2. Start Vicon Nexus and depending on whether or not a license is found:

   ▎ If the **Vicon Automated Unified Licensing Tool** dialog box opens, click **Set License Server**; or

   ▎ If Vicon Nexus opens and you want to view or change the current license server:

      ▎ On the **Help** menu, click **Licensing**.

      ▎ In the **Vicon Automated Unified Licensing Tool** dialog box, go to the **Product License Location** list (in the lower half of the dialog box), and right-click on the line that shows the relevant Vicon Nexus license and then click **Set License Type**.

3. In the **Change License Server** dialog box, do one of the following:

- To use standalone licensing, select **Use Standalone/Commuter Licenses Only** and then click **OK**.

- To obtain a license from any available license server (local or on a network), select **Use Standalone/Commuter Licenses Or Scan for a License Server** and then click **OK**.

- To select a specific license server from a list of available servers:

  - Click **Discover**. Local and network licenses are displayed.

  - In the **Available Servers** list, double-click the required license server and then click **OK**.

- To specify a license server on your network, select **Use a Specific Network License Server**, type the name in the **License Server** field, and click **OK**.

> ⊘ Tip
>
> You can instead select the required license server by going to the **License Server** list (in the upper half of the **Vicon Automated Unified Licensing Tool** dialog box), right-clicking on the line that shows the relevant Vicon Nexus license and then clicking **Use This License for Vicon Nexus**.

View information about license servers

In the **Vicon Automated Unified Licensing Tool** dialog box, you can view information about all available license servers without affecting the license server that is currently in use. To do this:

1. Open the advanced **Vicon Automated Unified Licensing Tool** dialog box by doing one of the following:

   ▌ Before licensing Vicon Nexus, start Nexus and in the **Vicon Automated Unified Licensing Tool** dialog box click **Advanced Licensing**; or

   ▌ After Vicon Nexus is licensed, start Vicon Nexus and on the **Help** menu, click **Licensing** to open the **Vicon Automated Unified Licensing Tool** dialog box; or

   ▌ Click the Windows **Start** button, then **All Programs** > **Vicon** > **Licensing** > Vicon **Product Licensing**.

2. In the **Vicon Automated Unified Licensing Tool** dialog box, if the required license server is not displayed in the **License Server** field at the top, click **Change** at the top right of the dialog box.

3. In the **Options** area of the **Select License Server** dialog box, do one of the following:

   ▌ To view local standalone licenses and commuter licenses (for information on commuter licenses, see Use commuter licenses on page 23), select **View Licenses from the Locally Installed License Server**; or

   ▌ To view licenses on a specified license server, type the required server name in the **License Server** field. If you don't know the name of the license server, click **Discover** and in the **Available Servers** list, double-click a license server.

4. Click **OK**.
   In **License Server** list at the top of the **Vicon Automated Unified Licensing Tool** dialog box, licenses from the specified license server are displayed.

> ⊘ **Tip**
>
> Changing the license server that is displayed in the **License Server** list does not affect the license server that is used for licensing, shown in the **Product License Location** list in the lower part of the dialog box. To change the license server that is used for licensing, see Set the license server on page 20.

Move and revoke Vicon Nexus licenses

While using Vicon Nexus, you may find that you want to temporarily use a seat from a license on a machine that is not on the license server network (commuter licensing), or that you need to permanently move the license from one machine to another, involving license revocation.

This section contains information on how to:

▌ Use commuter licenses on page 24

▌ Revoke a license on page 29

Use commuter licenses

After you have licensed Vicon Nexus, if required, you can check out (borrow) a seat from a network license so that it can be used for the number of days that you specify, on a machine that is not connected to the license server network (known as commuter licensing). You can check out a seat to either:

▮ A machine on your network (see), so that Vicon Nexus can subsequently be used when the machine is no longer connected to your network; or

▮ A machine that is not connected to your network (see).

When a commuter license is no longer needed, it is checked back in again, so that it can be used from the license server network as usual. Licenses are automatically checked in at the end of a specified check-out period, or can be manually checked in early (not applicable to remotely checked-out licenses), For more information, see .

Check out to a network machine

You can check out a seat from an existing license for use on a machine on your license server network, so that Vicon Nexus can subsequently be used on the machine when it is no longer connected to your network.

To check out a seat to a machine on the license server network:

1. On a network machine that you want to use remotely, open the advanced **Vicon Automated Unified Licensing Tool** dialog box by either:

   ▮ Starting Vicon Nexus and on the **Help** menu, clicking **Licensing**; or

   ▮ Clicking the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.

2. In the **License Server** list in the top part of the dialog box, right-click on the license that contains the seat that you want to check out and click **Check Out**.

3. In the **Check Out License** dialog box, specify the number of days for the license to be used remotely and then click **Check Out**.
   Checked out licenses are flagged with **Commuter** in the **Type** column in the **License Server** list in the top part of the **Vicon Automated Unified Licensing Tool** dialog box.

Check out to a remote machine

In addition to checking out a license to a network machine (see Check out to a network machine on page 24), you can also check out a license to a machine that is running the Vicon Automated Unified Licensing Tool (VAULT), but is not connected to the network containing the license server. This involves the following procedures:

❚ Generate a locking code on the remote machine on page 25 and send it to a user of a machine on the license server network.

❚ Check out a commuter license on a network machine on page 26 and send it to the remote user.

❚ Save and activate the commuter license on the remote machine on page 27

Generate a locking code on the remote machine

On the remote machine on which you want to use Vicon Nexus, use VAULT to generate a locking code, which can then be sent to someone on the network that includes the Vicon Nexus license server.

To generate a locking code:

1. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box, do one of the following:

    ❚ Start Vicon Nexus and in the **Vicon Automated Unified Licensing Tool** dialog box click **Advanced Licensing**; or

    ❚ Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.

2. In the **Vicon Automated Unified Licensing Tool** dialog box, click **View Remote Locking Code**.

3. In the **Current Machine Locking Code** dialog box, type the email address of a person to whom the network license server is available, and click **Send**, or to save it to a string to send later, type or browse to the required location and filename, click **Save to File** and close the dialog box.

The person with access to the license server can then check out a commuter license for use on the remote machine, as described in Check out a commuter license on a network machine on page 26.

Check out a commuter license on a network machine

When you receive a locking code for a remote machine, you can use the locking code to check out a license for the number of days that you specify. You can then send the license to the user of the remote machine.

To check out a commuter license:

1. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box:

   ▍ Start Vicon Nexus and on the **Help** menu, click **Licensing**; or

   ▍ Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.

2. In the **License Server** list in the top part of the dialog box, right-click on a license that permits commuter licensing for Vicon Nexus.
   If the selected license permits commuter licensing, the context menu displays a **Check Out** option and at the bottom of the dialog box, a **Check Out** button is displayed.

3. Click **Check Out** and in the **Check Out License** dialog box:

   a. Specify the number of days to use the license remotely.

   b. Expand the **Advanced Options** by clicking the downward pointing arrow on the right, and click **Remote Check Out**.

> ⚠ **Caution**
>
> Do not overestimate the number of days for which the license will remain checked out. After a remote check out, you cannot check the license back in again until the number of days that you specified has expired.

4. In the **Remote Commuter License Check Out** dialog box, enter the locking code string for the remote machine that was emailed or sent by the user of the remote machine, as described in , and click **Check Out**.

5. In the **Save Commuter License** dialog box, type or browse to a path and filename for the saved commuter license, click **Save to File** and then close the dialog box. The commuter license is saved as a license file (*.lic).

6. Email the saved commuter license file to the remote user. The remote user can then save and activate the checked-out commuter license on the remote machine, as described in .

Save and activate the commuter license on the remote machine

When you receive a license file for a remote machine, you can use VAULT to activate the license for use on the remote machine.

1. Save the file that was sent to you as described in to the Windows desktop (or any other suitable location).

2. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box, do one of the following:

   ▌ Start Vicon Nexus and in the **Vicon Automated Unified Licensing Tool** dialog box click **Activate License**; or

   ▌ Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**, and then click **Activate License**.

3. Depending on whether you are using the file as it was received from the license network user or a text string copied from the file, do one of the following:

   ▌ In the **License File Activation** field, type or browse to the location of the license file (**.lic) and click *Activate from File**; or

   ▌ Copy the text to the **License Activation string** field and click **Activate from String**.

4. Close the **Activate a License** dialog box.
   In the **License Server** list in the top part of the **Vicon Automated Unified Licensing Tool** dialog box, checked out licenses are flagged with **Commuter** in the **Type** column.

Check in a commuter license

Licenses that have been checked out are checked back in and made available for use from the network in either of the following ways:

❙ If the specified check-out period has expired, the license is automatically checked back in.

❙ If the license is no longer needed for remote use, you can check it back in early.

> ⚠ **Caution**
>
> This does not apply to licenses that were checked out using Remote Check Out, which remain checked out until their check-out period expires.

To check in a license manually:

1. To open the advanced **Vicon Automated Unified Licensing Tool** dialog box, do one of the following:

   ❙ Start Vicon Nexus and on the **Help** menu, click **Licensing**.; or

   ❙ Click the **Start** button, then **All Programs > Vicon > Licensing > Product Licensing**.

2. In the top part of the **Vicon Automated Unified Licensing Tool** dialog box, click on the license you want to check in and then click **Check In License**.

> ⚠ **Important**
>
> You cannot check in a license that was checked out using **Remote Check Out** before its check-out period has expired. You set the check-out period when you check out a license. To see how many days are left on a commuter license, in the **License Server** list in the top part of the **Vicon Automated Unified Licensing Tool** dialog box, find the relevant license and look at the date in the **Expiry** column.

Revoke a license

You may find that you need to move your Vicon Nexus license to a license server machine that is different from the one for which you originally obtained the license. To do this, you must revoke the original license. (If you want to temporarily use a single license seat on a remote machine, see Use commuter licenses on page 23.)

To avoid delays when changing license servers, before clicking **Revoke License**, email Vicon Support and wait to receive a reply before proceeding.

Ensure that your email to Vicon Support includes the following details:

❚ The Vicon product name (ie Vicon Nexus) and license revocation in the **Subject** line of the email.

❚ Information about the license that you want to revoke, including number of seats and locking code of the license server machine.

❚ The locking code of the machine to which you want to move the license.