BitifEye License Manager

User Guide

Notices

Edition

August 30, 2020

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1. Introduction

Overview

The BitifEye License Manager allows users to manage the licenses for the N5990A and N5991 Test Automation software. It can be reached at https://licensing.bitifeye.com/

The BitifEye License Manager (BLM) provides the following features:

- Activation of your acquired license (online or offline)

- Overview of all acquired licenses for the specific user

- Overview of which licenses are in use and which are still available

- For transportable licenses, the ability to transfer licenses from one computer to another

This guide describes how to use the license manager.

2. Registration

To access the BitfiEye License Manager, it is necessary to be a registered user. To register, go to licensing portal at https://licensing.bitifeye.com/ and carry out the following steps:

1. Click on **Create new user account**.

Figure 1: Welcome to BitifEye License Manager

2. Accept the Privacy Policy and fill in all the registration fields.

Figure 2: Create user account (I)

In the Certificate Number field you must enter a valid BitifEye certificate number. The certificate number can be found on the BitifEye License Redemption Document:

Figure 3: Certificate Number

3. Click on **Register now**.

4. When all the entered information has been verified, you will receive an email with an activation link. Please click on that link to activate your account.

5. After activating the account, click on **Login** (see Figure Figure 4).
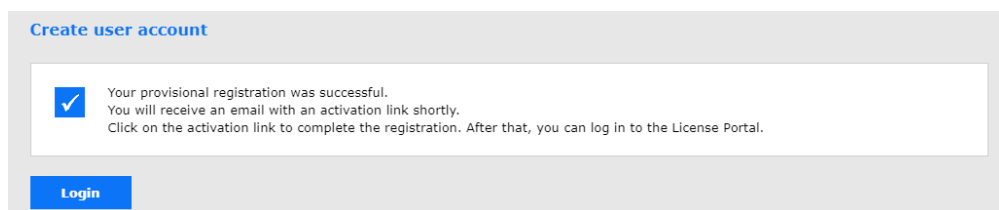

Figure 4: Create user account (II)

6. You will be redirected to the Login page. Enter your credentials here and you will have access to the License Manager.

NOTE: This registration process only needs to be done once. Once you are registered, to add more certificate numbers follow the steps described in Add New Certificate Number.

3. Navigating the License Manager

Certificate Numbers

The My Certificate Numbers view shows you the list of certificates available on your account (see Figure 5).

My Certificate Numbers

Here you can add more Certificate Numbers to your account.

	Certificate Number	Available	Purchased On
+	SRUKX-2C7Q7-RLLVL-2X4EF-2DAYW	0 (4)	03Jul2020
+	42HHF-YW29R-NKAG9-2FX3N-T8L72	0 (2)	03Jun2020
+	3WHDQ-H6VQ5-23HVC-CU28T-Q8407	0 (1)	14May2020
+	AHTBY-59G3A-RS63K-AWU8E-3PC4G	0 (1)	28Apr2020
+	RR6W5-2F4YQ-8VQXN-D3PPF-C872P	1 (1)	24Apr2020
+	X6F4H-FSH9A-C7H2D-3EW33-NL68B	0 (2)	24Apr2020
+	Y4SZR-KG3GG-7P2X4-C8QVM-VG8QF	0 (3)	20Mar2020
+	DFWVK-3VLKB-5WVNU-5QM84-5EV9U	0 (0)	15Jan2020
+	7STUB-R3W4-84B23-V2HF8-Q2S5P	0 (1)	14Jan2020

Add an additional Certificate Number

New Certificate Number:

    eg: A1234-B5678-C0912-D3456

Add New Certificate Number Now

Figure 5: Certificate Numbers section

Each certificate is composed of one or more licenses. The Available column shows both the number of available licenses (those that have not yet been activated) and the total number of licenses related to the certificate (shown in parenthesis). By expanding a specific certificate you can see the license information as shown in Figure 6:

- Item ID: A unique ID that identifies the product option.

- Name: A detailed explanation of the licensed product.

- License Container: A number that identifies the computer where the license is installed. This field is empty until the license is activated.

- Status: Specifies whether the license is Available or Activated.

Figure 6: License Information

The first time you go to this page, the list will only contain the certificate that was used to create the account. Then you can add more certificates as described in the Add New Certificate Number section.

To activate available licenses, continue to the section License Activation.

Products

The My Products view shows you the list of products related to the certificate numbers available on your account.

Figure 7: My Products section

By expanding a specific product you can see the following information:

- Host: The name of the host where the license is installed

- HostID: The ID of the host where the license is installed

- Qty: The number of licenses for that product

- Expiration: Indicates the expiration date, if one exists

- Maintenance: Indicates if the maintenance is included

- Certificate Number: The number of the certificate that contains that license

- Activated On: The date that the licensed was activated

Computers

The My Containers view shows you the list of containers related to the certificate numbers available on your account.

My License Containers

Here you can see your registered host PCs.

＋	License Container	Host	Purchased On
＋	130-3378749736	BIT-W-143	03Jul2020

Figure 8: My Containers section

Each container can have one or more licenses transferred. By expanding a specific container you can see the list of activated licenses for that container:

- ItemID: A unique ID that identifies the product option

- Name: A longer explanation of the product

- Qty: The number of licenses for that product

- Expiration: Indicates the expiration date, if one exists

- Maintenance: Indicates if the maintenance is included

- Certificate Number: The number of the certificate that contains that license

- Activated On: The date that the licensed was activated

Auto Update

It can happen that, for some reason, the system administrator modifies a license (for example changes the maintenance period). To make that change effective it will be necessary to update the container of that license.

In the auto update section you can apply the existing license updates for a specific container.

4. Main License Tasks

Add New Certificate Number

If you have a new certificate you can easily add it from the portal:

1. Go to Certificate Numbers section (default view, see Figure 9)

2. In the "New Certificate Number" subsection, insert the certificate number.

3. Click on **Add New Certificate Number Now**

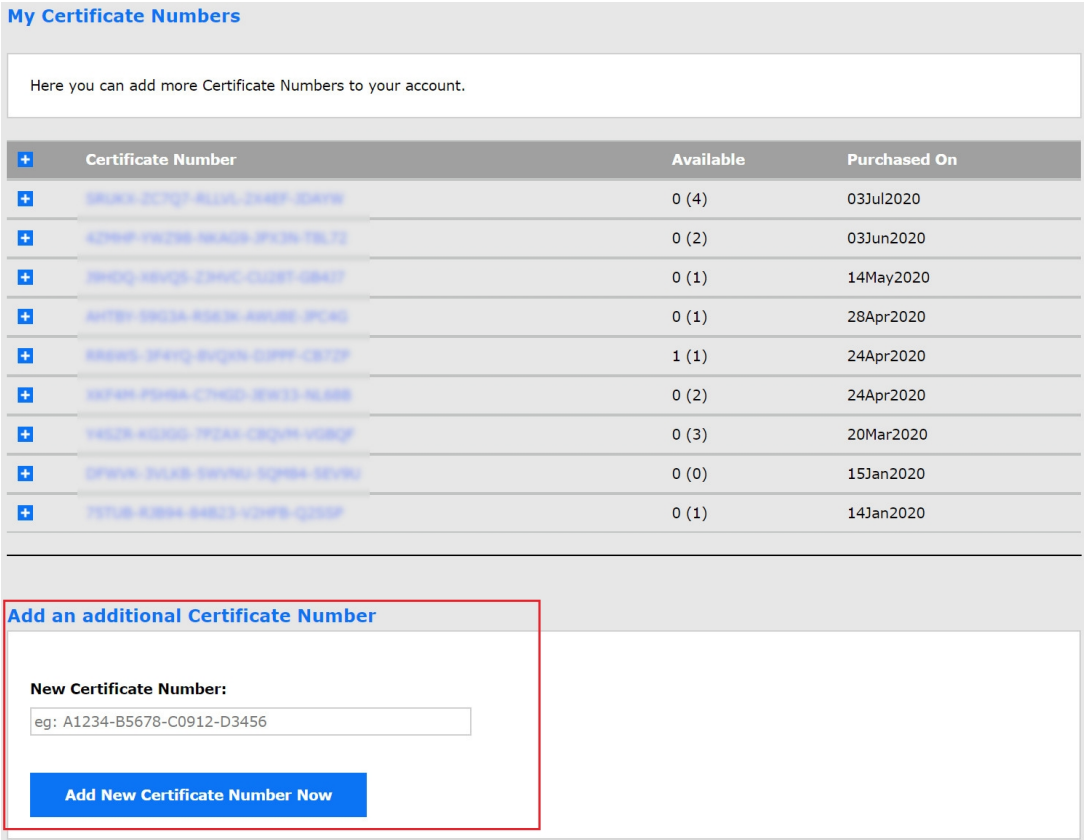If everything is OK, the certificate will be added to the certificate list

Figure 9: Add New Certificate Number

License Activation

There are two ways of activating a license:

- Direct License Transfer

- File-based License Transfer

NOTE: Before activating a specific license, make sure that the products related to that license are already installed on the controller PC (refer to Downloading and Installing the Software). If they are not installed you will get some error messages and the activation will not work.

Direct License Transfer

This is the easier way. It requires the controller PC where you want to activate the license to have internet access. Then you must access the portal on that PC and perform the following steps:

1. Go to Certificate Numbers section (see Figure 10).

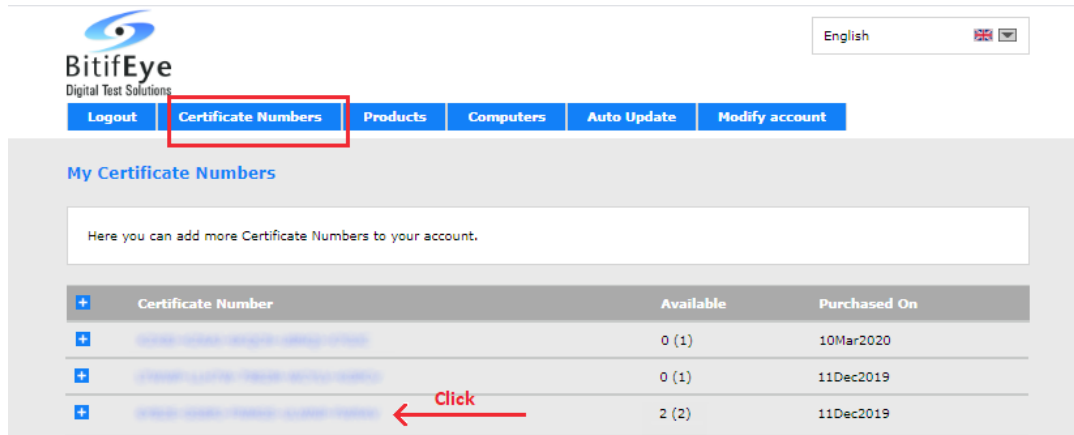2. Click on the certificate with the licenses to be activated (see Figure 10).

Figure 10: License Activation - Direct License Transfer – (I)

3. You will be redirected to My Licenses view (Figure 11). In this view (same as in My Certificate Numbers view) you can see the details of the licenses for that certificate.

4. Click on the **Activate Licenses** button (Figure 11).
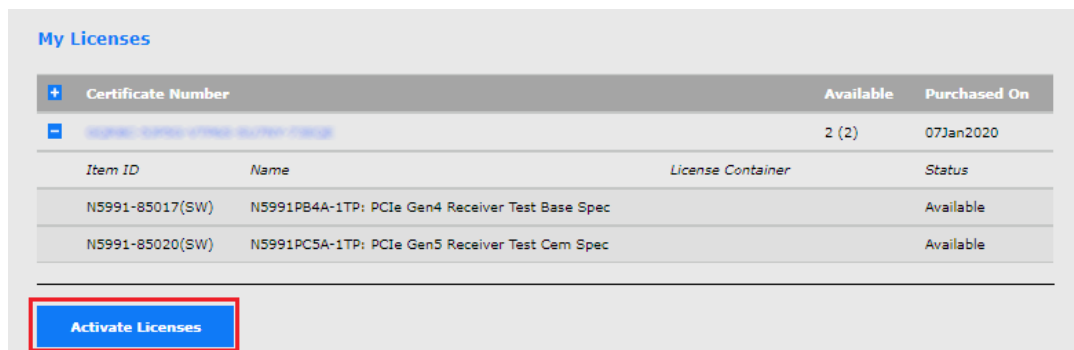
Figure 11: License Activation - Direct License Transfer – (II)

5. Then, in the Available Licenses view (Figure 12), you can individually select the licenses you want to activate (by default all the available items are selected).

6. Select the locally connected Container to which you want to transfer the licenses (Figure 12).

7. Finally click on **Activate Selected Licenses Now** (Figure 12).
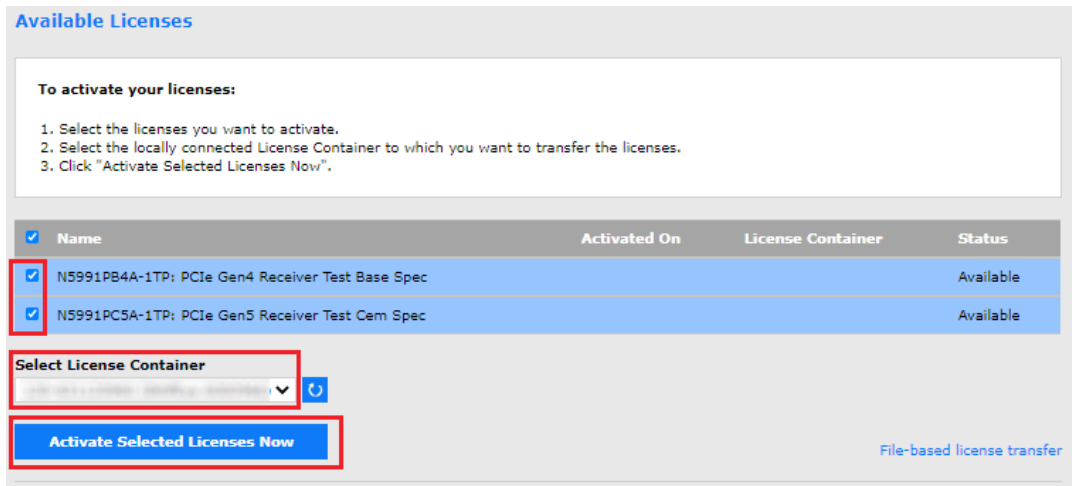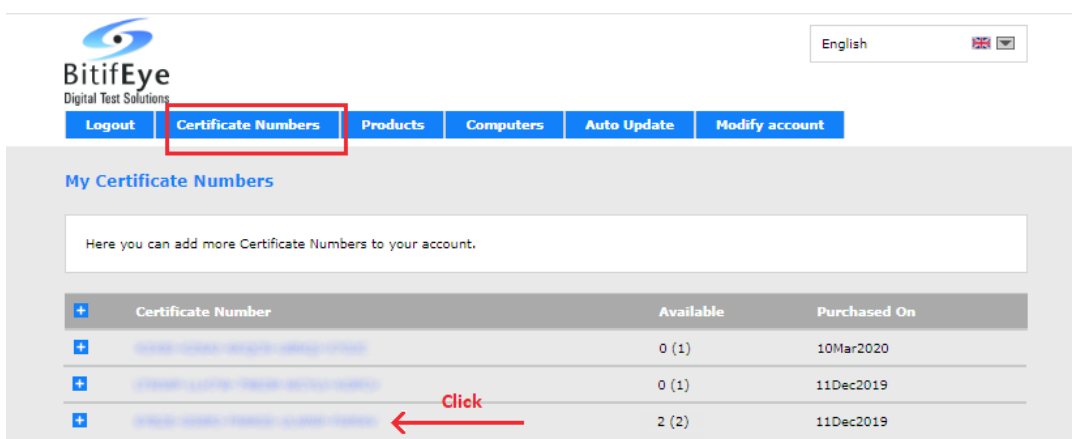
Figure 12: License Activation - Direct License Transfer – (III)

If everything is OK, the licenses will be activated

File-based License Transfer

If the controller PC where you want to install the license does not have internet access, you must transfer the license using the file-based method.

In this case, you need access to the portal from a non-controller PC (with internet access).

In the PC with internet, go to the license portal and perform the following steps:

1. Go to Certificate Numbers section (see Figure 13).

2. Click on the certificate with the licenses to be activated (see Figure 13)..

Figure 13: License Activation – File-based License Transfer – (I)

3. You will be redirected to My Licenses view (Figure 14).

4. Click on the **Activate Licenses** button (Figure 14).
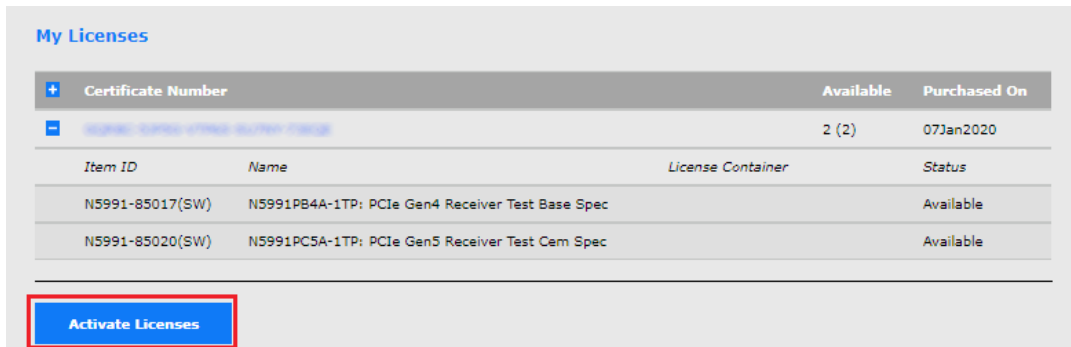
Figure 14: License Activation - File-based License Transfer – (II)

5. Then, in the Available Licenses view, change the transfer mode by selecting the **File-based license transfer** option (see Figure 15 and Figure 19).
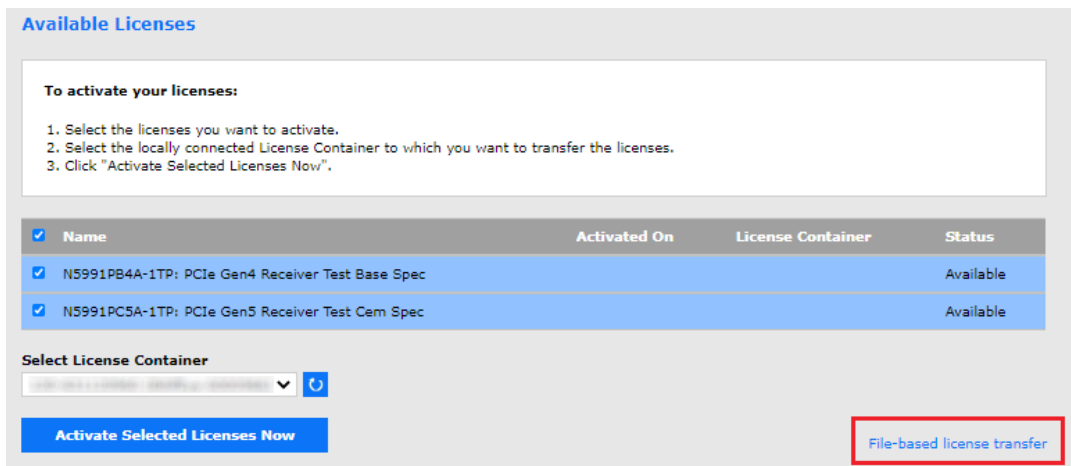

Figure 15: License Activation - File-based License Transfer – (III)

At this point, in the offline controller PC (where you want to install the license), continue with the following steps:

6. Create a license request file

6.1. Start the CodeMeter Control Center. To download the software refer to CodeMeter Control Center section.

6.2. Select the License Container (Figure 16)

NOTE: The computer where the license is going go be installed needs to have a specific container for the N5591 products (Bitifeye 6000966) and a specific container for the N5990A products (Bitifeye 6000961), as shown in Figure 16. If the computer does not yet have those containers you can use the template available on the BitifEye License portal (in the upload request section, see in Figure 19 highlighted in yellow). Drag the template file to CodeMeter Control Center.

If the containers have already been created DO NOT create more containers. Just select the existing ones.
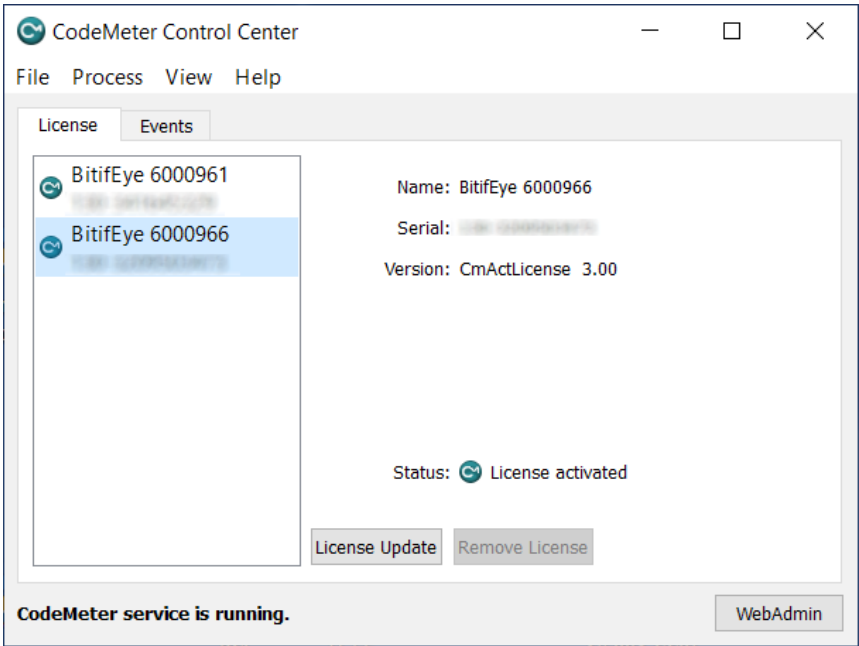
Figure 16: License Containers for N5990A and N5991

6.3. Click on **License Update** (see Figure 17).
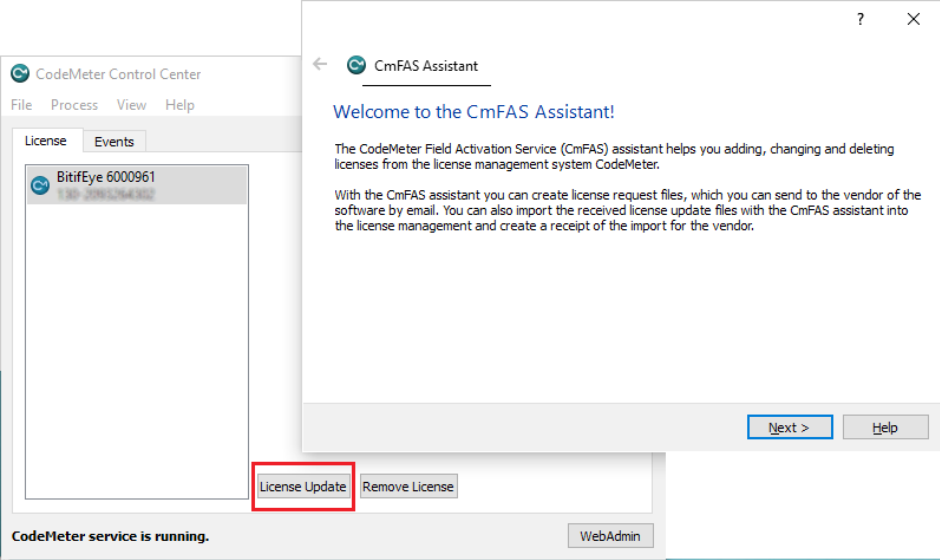

Figure 17: License Update

6.4. The "CmFAS Assistant" will open. Choose the option "Create license request" (Figure 18) and select the path to save it. Then click **Commit** to generate the license request file.
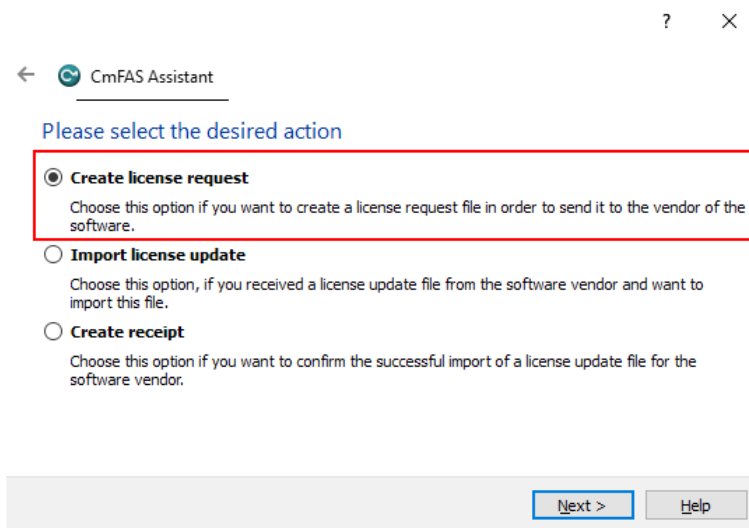
Figure 18: Create license request

7. Copy the license request file from the offline controller PC to the online PC connected to the portal.

Then, in the online PC, continue in the Available Licenses view:

8. Select the licenses you want to activate (see Figure 19).

9. Select the license request file (see Figure 19).

10. Click on **Upload Request And Continue Now** (see Figure 19).
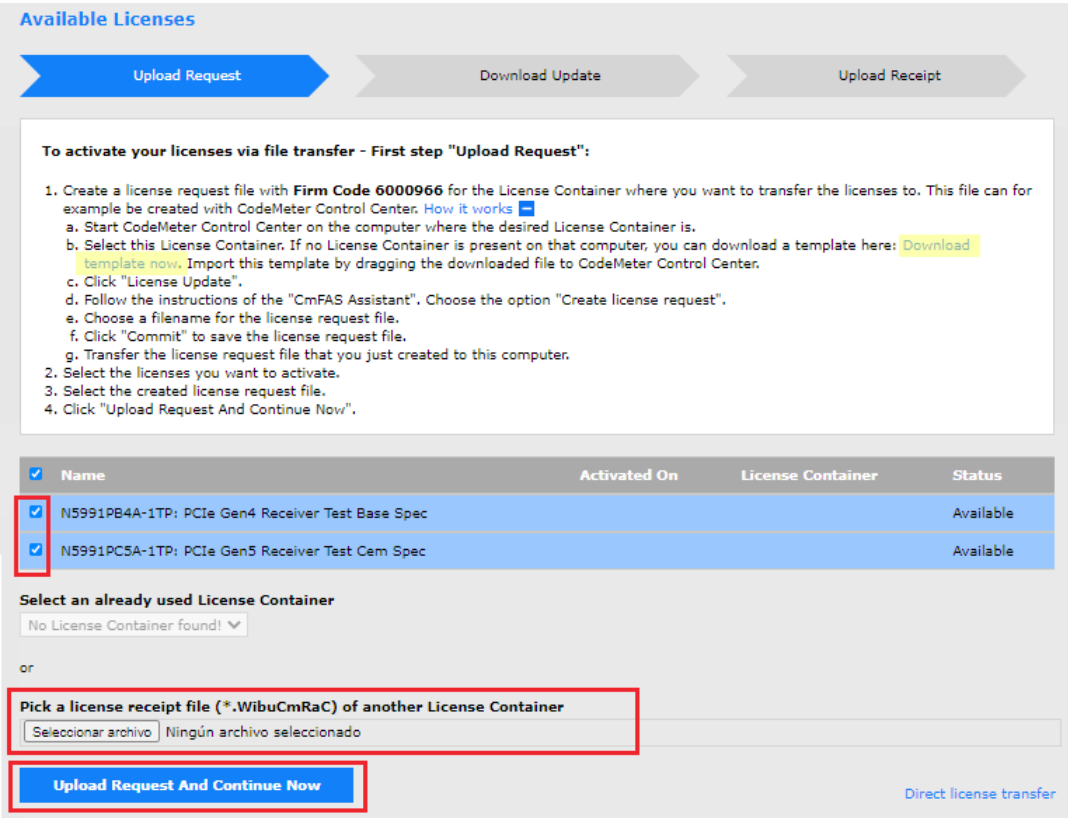
Figure 19: License Activation - File-based License Transfer – (IV)

11. In the Download License Update File view, click on the **Download License Update File Now** button to download the license update file (see Figure 20). Then click **Next** to go to the Confirm License Transfer view.
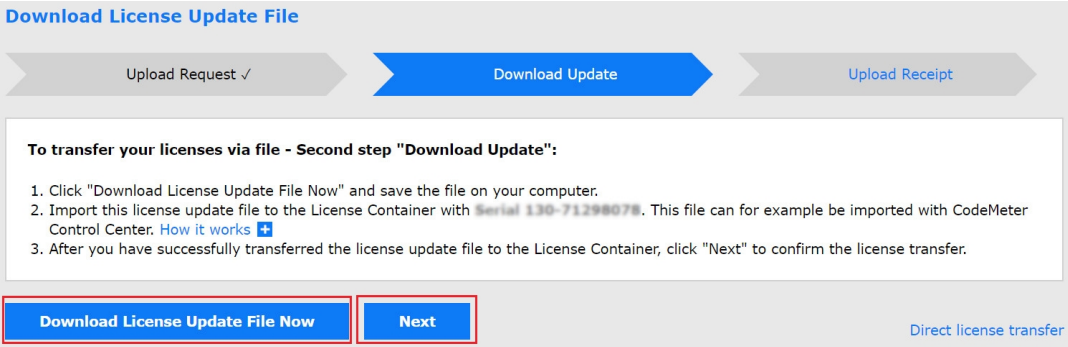
Figure 20: License Activation - File-based License Transfer – (V)

12. Copy the update license file to the offline controller PC.

Now in the offline controller PC:

13. Import License update.

    13.1.   In the CodeMeter Control Center, select the License Container (Figure 16).

    13.2.   Click on **License Update** (see Figure 17).

13.3.   The "CmFAS Assistant" will open. Choose the option "Import license update" (Figure 21) and select the path where the license update file is saved. Then click **Commit** to apply the update.
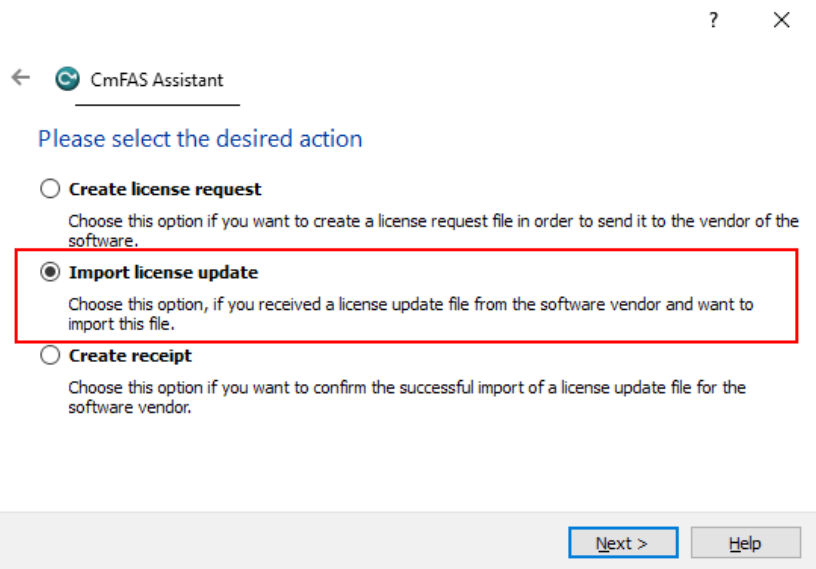
Figure 21: Import license update

13.4.   Click on the **Next** button to confirm that the license was successfully updated.

14.   Create a license receipt file

14.1.   In the CodeMeter Control Center, select the License Container (Figure 16).

14.2.   Click on **License Update** (see Figure Figure 17).

14.3.   The "CmFAS Assistant" will open. Choose the option "Create receipt" (Figure 22) and select the path to store the receipt file. Then click C**ommit** to create the file.
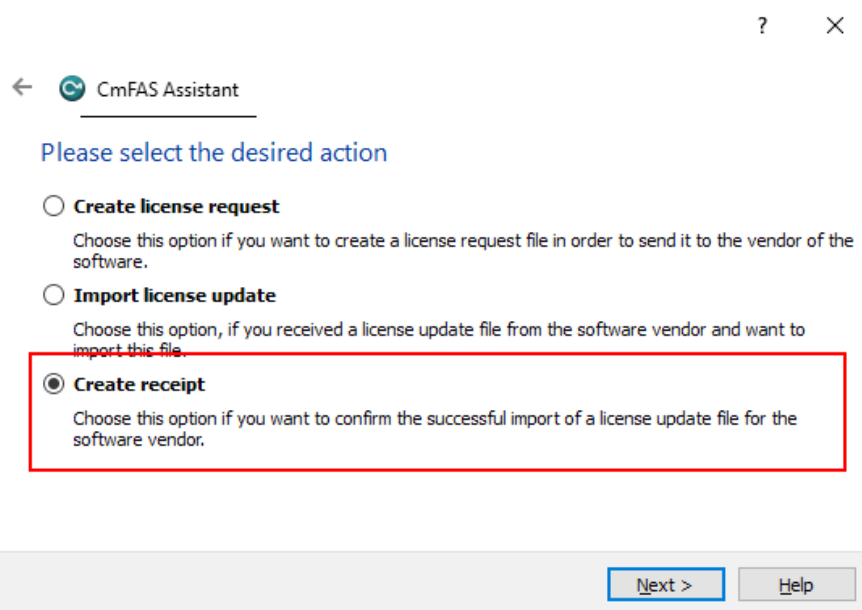
Figure 22: Create receipt

15. Copy that license receipt to the online PC connected to the portal.

Finally in the online PC, in the Confirm License Transfer view:

16. Select the license receipt (see Figure 23).

17. Click on **Upload Receipt Now** button (see Figure 23).

Figure 23: License Activation - File-based License Transfer – (VI)

If everything is OK the license transfer process has been finished successfully.

License Transfer

There are two types of licenses: Fixed and Transportable.

A fixed license cannot be transferred from one PC to another after it has been activated. On the other hand, a transportable license can be deactivated on one PC and then activated on another.

There are two ways of deactivating a license (same as for activation):

- Direct License Transfer

- File-based License Transfer

Once the license is deactivated, it can be activated on the desired PC (see License Activation).

Direct License Transfer

This requires the controller PC where you want to deactivate the license to have internet access. Then you must access the portal on that PC and perform the following steps:

1. Go to My Certificate Numbers section (default view, see (see Figure 24).

2. Click on the certificate number with the licenses to be transferred (see Figure 24).
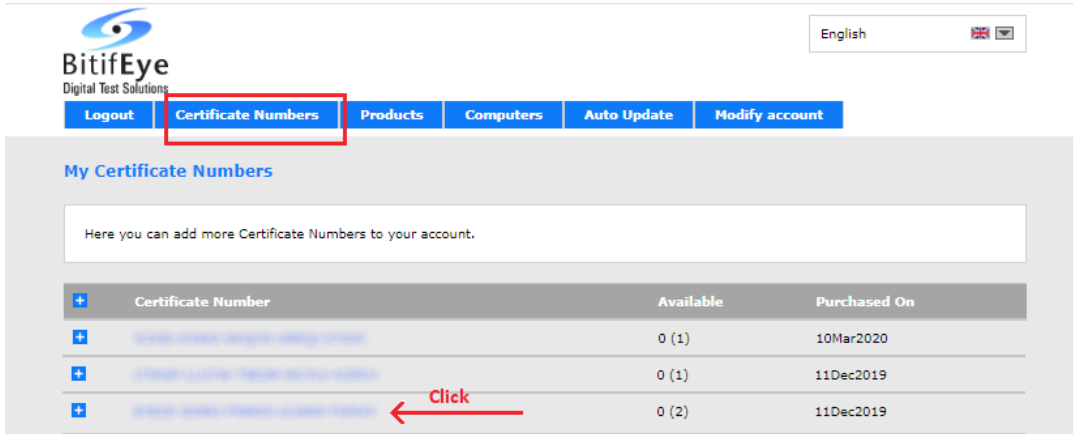
Figure 24: Re-Host License - Direct License Transfer – (I)

3. You will be redirected to My Licenses view (Figure 25).

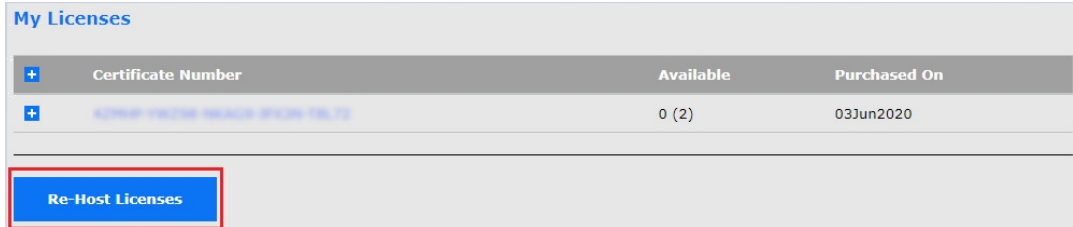4. Click on the **Re-Host Licenses** button (Figure 25).

Figure 25: Re-Host License - Direct License Transfer – (II)

5. Then, in the Re-Host Licenses view (Figure 26), you can select the licenses you want to deactivate.
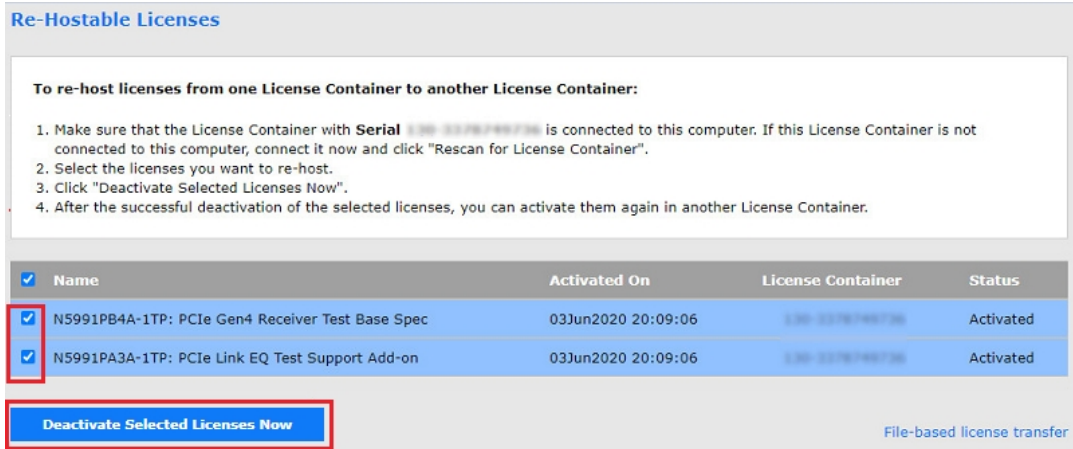
6. Finally, click on **Deactivate Selected Licenses Now**.

Figure 26: Re-Host License - Direct License Transfer – (III)

If everything is OK, the licenses will be deleted from the PC where they were installed, and then they will be available again to be installed on another PC.

File-based License Transfer

If the controller PC where you want to deactivate the license does not have internet access, you must transfer the license using the file-based method.

In this case, you need access to the portal from a non-controller PC (with internet access).

In the PC with internet, go to the license portal and perform the following steps:

1. Go to My Certificate Numbers section (default view, see (see Figure 27).

2. Click on the certificate number with the licenses to be transferred (see Figure 27).
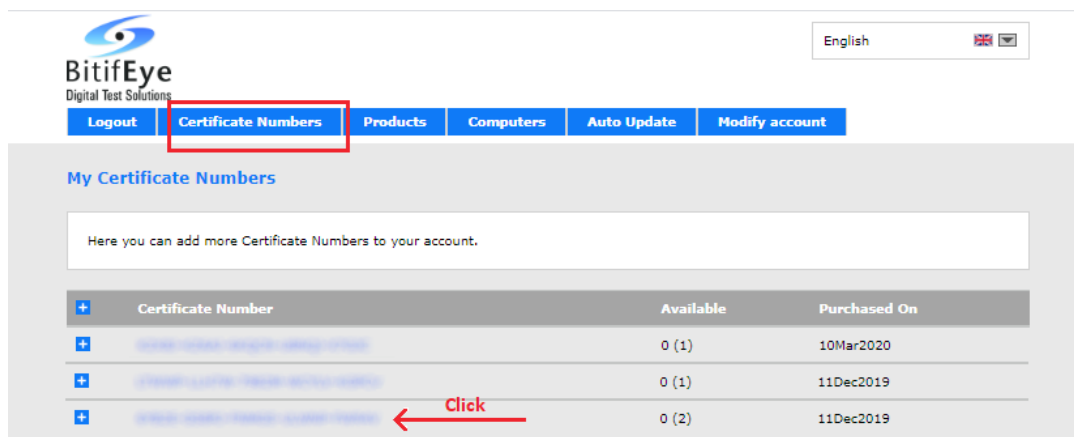
Figure 27: Re-Host License - File-based License Transfer – (I)

3. You will be redirected to My Licenses view (Figure 28).

4. Click on the **Re-Host Licenses** button (Figure 28).
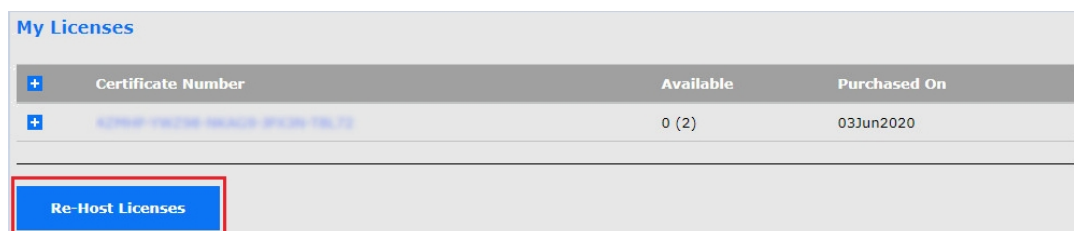
Figure 28: Re-Host License - File-based License Transfer – (II)

5. Then, in the Re-Hostable Licenses view, change the transfer mode by selecting the **File-based license transfer** option (see Figure 29).

Figure 29: Re-Host License - File-based License Transfer – (III)

At this point, in the offline controller PC (where you want to install the license), continue with the following steps:

6. Create a license request file

    6.1. Start the CodeMeter Control Center. To download the software refer to CodeMeter Control Center section.

    6.2. Select the License Container (Figure 16)

    6.3. Click on **License Update** (see Figure 17).

    6.4. The "CmFAS Assistant" will open. Choose the option "Create license request" (Figure 18) and select the path to save it. Then click **Commit** to generate the license request file.

7. Copy the license request file from the offline controller PC to the online PC connected to the portal.

Then, in the online PC, continue in the Re-Hostable Licenses view:

8. Select the licenses you want to re-host (see Figure 30).

9. Select the license request file (see Figure 30).

10. Click on **Upload Request And Continue Now** (see Figure 30).

Figure 30: Re-Host License - File-based License Transfer – (IV)

11. In the Download License Update File view, click on the **Download License Update File Now** button to download the license update file (see Figure 31). Then click **Next** to go to the Confirm License Transfer view.

Figure 31: Re-Host License - File-based License Transfer – (V)

12. Copy the update license file to the offline controller PC.

Now in the offline controller PC:

13. Import License update.

    13.1. In the CodeMeter Control Center, select the License Container (Figure 16).

    13.2. Click on **License Update** (see Figure 17).

    13.3. The "CmFAS Assistant" will open. Choose the option "Import license update" (Figure 21) and select the path where the license update file is saved. Then click Commit to apply the update.

    13.4. Click on the **Next** button to confirm that the license was successfully updated.

14. Create a license receipt file

    14.1.   In the CodeMeter Control Center, select the License Container (Figure 16).

    14.2.   Click on **License Update** (see Figure 17).

    14.3.   The "CmFAS Assistant" will open. Choose the option "Create receipt" (Figure 22) and select the path to store the receipt file. Then click C**ommit** to create the file.

15. Copy that license receipt to the online PC connected to the portal.

Finally in the online PC, in the Confirm License Transfer view:

16. Select the license receipt (see Figure 23).

17. Click on **Upload Receipt Now** button (see Figure 23).

Figure 32: Re-Host License - File-based License Transfer – (VI)

If everything is OK, the license deactivation process has been finished successfully.

5. Additional License Tools

CodeMeter Control Center

The CodeMeter software can be used as a complementary tool for license management. You can download it here: https://www.bitifeye.com/download-n5991/ (CodeMeter User Runtime for Windows).

This software is especially useful for the File-based License Transfer method. It provides the following features:

- Create a License Request

- Update a License File

- Create a License Receipt

6.   Downloading and Installing the Software

Before activating a license on a controller PC, it is necessary that the related software is already installed on that PC.

Download the Software

The N5990 and N5991 installers can be found at the download section of the BitfiEye portal: https://www.bitifeye.com/download/. Here you can select several options:

- Bitifeye License Manager

- N5990A Software

- N5991 Software

- Instruments Manuals & Firmware

Click on N5990A or N5991 Software to see the list of all the available products for these solutions. Then by selecting the desired product, one or more download links will be available.

Figure 33 shows how to download the N5991 PCIe software. In this case, for PCIe there are four items available: N5991 ValiFrame PCI Express, VFSeasim software (required for Rx testing) and N5991 PCI Express Link Training Suite.

Figure 33: Download the software

Install the Software

To install a product just execute the corresponding installer and follow the steps of the installer wizard.

As an example, Figures Figure 34–Figure 37 show the installation of the N5991 ValiFrame PCIe product.
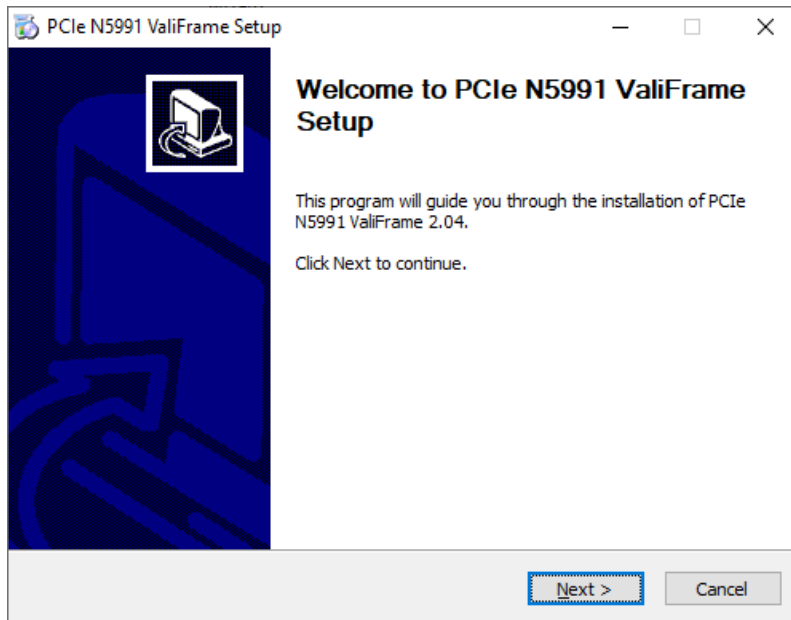

Figure 34: Installer Welcome Setup Window

The second page of the installer wizard will show the software license agreement (see Figure Figure 35). Read it carefully and select "I accept the terms of the License Agreement" option. Then, click on **Next** to continue.
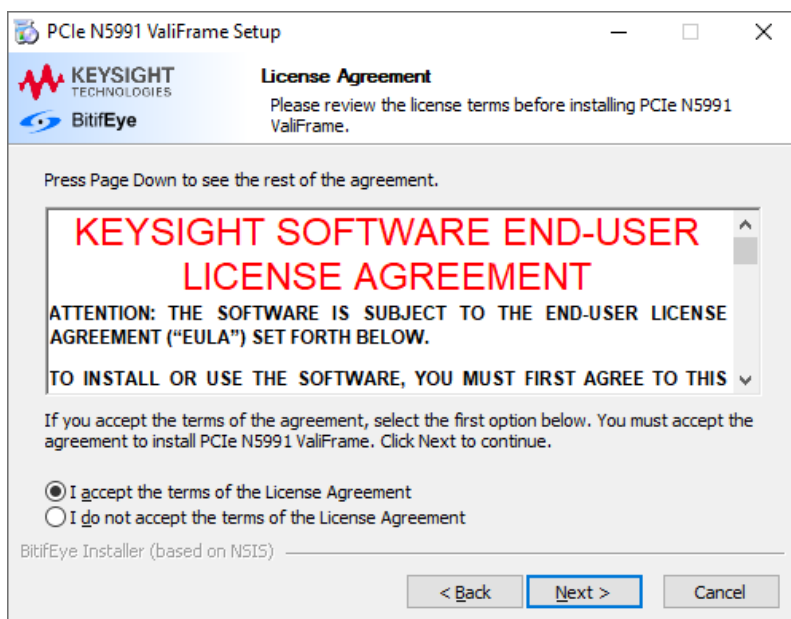

Figure 35: Installer License Agreement Window

After the **Next** button has been pressed, the Choose Components window is displayed as shown in Figure Figure 36. Select the "Full" option to install the default setup or "Custom" for custom installation. Then, click on **Next** to continue.
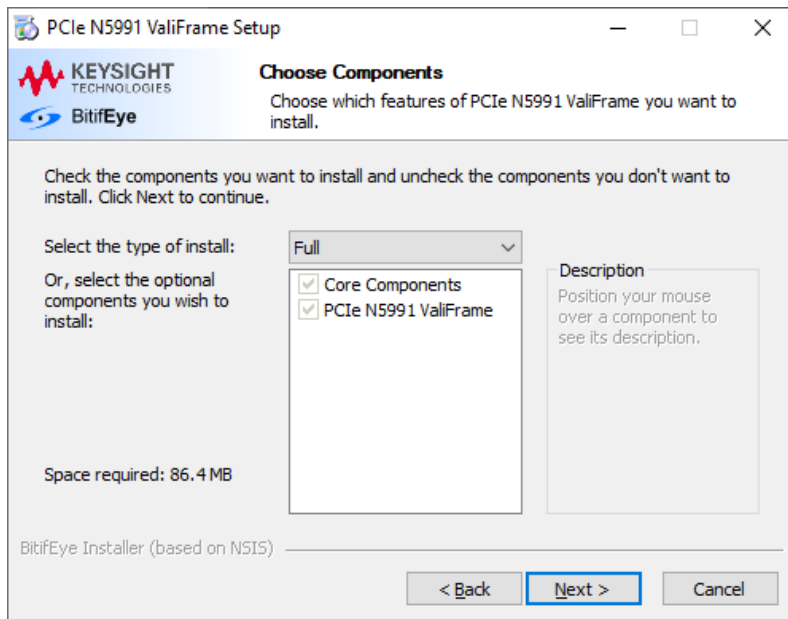

Figure 36: Installer Choose Components Window

The Choose Install Location window is displayed as shown in Figure Figure 37. Click the **Browse…** button to select the destination folder in which the software is to be installed. Finally, click the **Install** button to install the software.
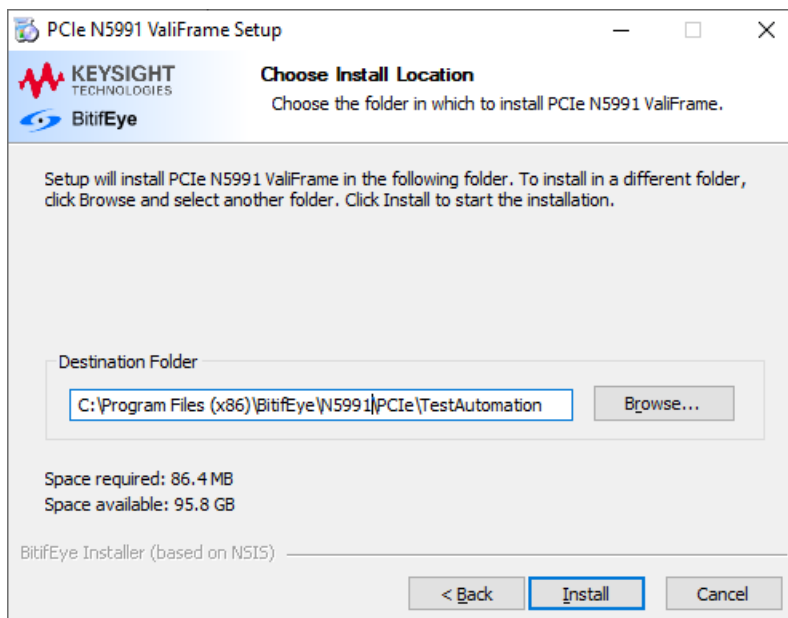

Figure 37: Installer Choose Location Window