

Imaging Instructions for Multisim

Updated: 5/13/2016

Creating a ghost image to replicate a lab

If you want to replicate a ghost image of a master computer instead of individually installing multiple seats, you can do so by following the instructions in the following Knowledge Base from the ni.com website:

[KB 5GTELLQC: How can I Change the Hardware Used for Activation of NI Software?](#) A regular activation is based in a computer ID taken from the MAC address of the computer. In order to create an image of a computer for deployment, you need to switch this computer ID to use instead the disk volume serial number.

You will need to activate your software with a new activation code obtained from NI. Follow the instructions in the KB to obtain the necessary information and to contact NI for the activation code. Please be aware, that is not guaranteed you will be eligible for this option, changing the computer ID for activation is handled in a case-by-NI. However, when contacting NI indicate that you are a PLTW school.

Troubleshooting

Here is a list of the most common problems; if you are still unable to activate the software, please contact PLTW.

Problem	How to fix it
I receive a “serial number” error from the Activation Wizard.	<input type="checkbox"/> Verify that there are no typos in the serial number (e.g. alpha character O vs. numeric digit 0).
	<input type="checkbox"/> Verify that you are using a PLTW provided serial number.
	<p>If your network is behind a firewall you'll need to contact your IT department to allow TCP/IP access to the following processes:</p> <ul style="list-style-type: none"> • lmgrd.exe • nilm.exe <p>If you are running a personal firewall you may also need to allow:</p> <ul style="list-style-type: none"> • lmrreread.exe <p>If using FLEXnet to manage your licenses instead of NI License Manager, then also allow:</p> <ul style="list-style-type: none"> • lmdown.exe <p>By default License Manager uses port 27000.</p>

I receive a “cannot communicate” error message from the Activation Wizard.	<input type="checkbox"/> Verify that you have internet access.
Do I need Internet access to activate?	<input type="checkbox"/> Automatic activation through an Internet connection is preferred. <input type="checkbox"/> In case you don't have any internet access, you may select another option to active from the Activation Wizard when you launch it. <input type="checkbox"/> You can activate using a web browser, email client, telephone, or even a fax machine.

To Create a Master Image

What to send to NI to enable you to create a master image

Multisim v14. Off www.ni.com site

To prepare for imaging to multiple computers, see below.

Problem:

I want to activate my National Instruments software using a computer ID generated from different hardware than the default MAC address or disk volume serial number. How can I change the hardware used for activation?

Solution:

Activation of National Instruments software will use the computer ID available in NI License Manager by default. Another computer ID can be generated based on an alternative MAC Address or disk volume serial number upon request from National Instruments. Please note that ability to use this method for activation is handled on a case-by-case basis. To inquire about eligibility, email agreements@ni.com with the following information:

- Organization Name and Department
- NI products to be activated
- Version(s) of each product
- Serial Number of each product

You will need to provide the disk volume serial number or MAC Address that you wish to use for activation.

For example, you could send an email like below,

	To...	<u>agreements@ni.com</u>
	Cc...	
	Subject:	PLTW Computer ID

Hello,

I am from a PLTW school and I am imaging my computers. My volume serial number is B0FC-5528.
Could you please generate a computer ID for me.

Thank you,

Test User
Any School USA, District name USA
Any City, State, zip
(111) 111-1111 ext 111

To obtain a MAC address for a network card:

1. Open a command prompt by clicking **Start » Run**.
2. Type **cmd** and click **OK**.
3. At the command prompt, type **ipconfig /all** and press **Enter**.
4. Your MAC Address will be listed under "Physical Address" and takes the form XX-XX-XX-XX-XX-XX.

To obtain a disk volume serial number:

1. Open a command prompt by clicking **Start » Run**.
2. Type **cmd** and click **OK**.
3. At the command prompt, change the active directory to the drive of interest by typing the letter followed by a colon, for example **C:**, then press **Enter**.
4. Type **vol** and press **Enter** to get your disk volume serial number.

If you are eligible, National Instruments will respond with a new computer ID that can be used for activation.

Once NI sends the custom code

Follow the directions they send to activate your software.

Example email like below,

I've created a new Volume computer ID for you: VXXX-XXXX-XXXX-XXXX

Here are the instructions again just in case you need them. Please let me know if I can assist in any other way.

For your source image, please follow the steps indicated below to activate the license:

1. On the master image computer, open **NI License Manager** by navigating to **Start»All Programs»National Instruments**
2. Under the Local Licenses tree, expand the tree of the product you would like to activate.
3. Select the desired edition of the product and then select **Options»Activate**
4. In the NI Activation Wizard, select the **second radio-button** (The Web option will allow you to use your Custom Computer ID. The other activation options do not allow you to change the default computer ID.) 5. Select **Next**.
6. Select the **first radio-button**. (The Web browser option will allow you to conveniently get a complete listing of Activation codes for all of your entitled software products. This will allow you to quickly activate all of your software at once.)
7. Select **Next** and enter the Serial Number for the product.
8. Select **Next**.
9. Select the **ni.com/activate** link. (This link will redirect you to the correct web address where you may retrieve your activation code(s).)
10. In the NI Product Activation web page, replace the Computer ID with the **special computer ID** provided above.
11. Select **Submit** to generate your Activation Codes.
12. The final web page provides you with a convenient listing of Activation Codes for all of your entitled products. Follow the instructions described in *Step3: Apply your Activation Codes* to easily and quickly apply all of the Activation Codes at once.