ECHELON

OpenLNS Server License Guide

078-0498-01A

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Preface

The OpenLNS Server network operating system allows LONWORKS network tools to interoperate with one another and interact with the managed LONWORKS network. OpenLNS brings the power of client-server architecture and object-oriented component-based software into control networks. This enables OpenLNS tools to work together to install, maintain, monitor, and control LONWORKS networks. In addition, it provides the fastest, most efficient way to bring control on-line with all your other information systems.

Purpose

This guide explains how to obtain and activate a license for the OpenLNS Server product.

Audience

This guide is intended for system designers and integrators using OpenLNS Server.

System Requirements

System requirements for running the OpenLNS Server are as follows:

- Microsoft Windows® 8 (64-bit and 32-bit), Windows 7 (64-bit and 32-bit), Windows Server 2008 SR2 64-bit, Windows Vista® with Service Pack (SP) 1, or Windows XP with SP3 (32-bit).
- 500 MHz processor or faster. 2 GHz processor recommended.
- 2 GB or more of free disk space.
- 512 MB RAM. 2 GB RAM recommended.
- 1,024 MB page file minimum. 2,048 page file recommended.
- 1,024 x 768 or higher-resolution display with at least 256 colors.
- Mouse or compatible pointing device
- DVD-ROM drive.
- OpenLDV 4.0-compatible local, remote, or IP-852 network interface.
    - Compatible local network interfaces include the U10/U20 USB network interface; PCC-10, PCLTA-20, or PCLTA-21 network interface cards; and the SLTA-10 Serial LonTalk Adapter. The PCC/PCLTA and SLTA-10 network interfaces are compatible with 32-bit versions of Windows only.
    - Compatible remote network interfaces include the SmartServer, i.LON 100 Internet Server, i.LON 600 IP-852 Router, and i.LON 10 Ethernet Adapter.
    - Compatible IP-852 network interfaces include the SmartServer (with IP-852 routing option), i.LON 100 Internet Server (with IP-852 routing option), and i.LON 600 IP-852 Router.

For More Information and Technical Support

If you have technical questions that are not answered by this document, you can contact Echelon technical support. There is no charge for software installation-related questions during the first 30 days after you download the OpenLNS Server or purchase an OpenLNS Server activation key. To receive technical support from Echelon, you must purchase support services from Echelon or an Echelon support partner. See *www.echelon.com/support* for more information on Echelon support. Your OpenLNS distributor may also provide customer support.

You can obtain technical support via phone, fax, or e-mail from your closest Echelon support center. The contact information is as follows:

Region	Languages Supported	Contact Information
The Americas	English Japanese	Echelon Corporation Attn. Customer Support 550 Meridian Avenue San Jose, CA 95126 Phone (toll-free): 1.800-258-4LON (258-4566) Phone: +1.408-938-5200 Fax: +1.408-790-3801 *lonsupport@echelon.com*
Europe	English German French Italian	Echelon Europe Ltd. Suite 12 Building 6 Croxley Green Business Park Hatters Lane Watford Hertfordshire WD18 8YH United Kingdom Phone: +44 (0)1923 430200 Fax: +44 (0)1923 430300 *lonsupport@echelon.co.uk*
Japan	Japanese	Echelon Japan Holland Hills Mori Tower, 18F 5-11.2 Toranomon, Minato-ku Tokyo 105-0001 Japan Phone: +81.3-5733-3320 Fax: +81.3-5733-3321 *lonsupport@echelon.co.jp*
China	Chinese English	Echelon Greater China Rm. 1007-1008, IBM Tower Pacific Century Place 2A Gong Ti Bei Lu Chaoyang District Beijing 100027, China Phone: +86-10-6539-3750 Fax: +86-10-6539-3754 *lonsupport@echelon.com.cn*
Other Regions	English Japanese	Phone: +1.408-938-5200 Fax: +1.408-328-3801 *lonsupport@echelon.com*

1

Installing an OpenLNS Server

This chapter provides the information to install your OpenLNS Server.

Downloading the OpenLNS Server

Echelon's OpenLNS Server is available from the *downloads* tab of the OpenLNS Web page at http://www.echelon.com/products/tools/integration/openlns-server. The OpenLNS Server is included with other products, including the OpenLNS Commissioning Tool.

Once you download your OpenLNS Server product from the Echelon Web site you can install and activate them as described in the next section.

Acquiring the OpenLNS Server Activation Key

The OpenLNS Server requires an activation key to install the software. An Activation Key comes with one or more product licenses. Each license may be used on only one PC at a time. You can acquire this key with any of the following methods.

1. Request a free OpenLNS Server Trial Activation Key. This provides a trial license for one computer.
2. Request a free OpenLNS Commissioning Tool Trial Activation Key, which includes a trial license for both the OpenLNS Commissioning Tool and the OpenLNS Server. You will receive a trial license for one computer.
3. Purchase an OpenLNS Sever Standard Activation Key. One computer can use this license.
4. Purchase the OpenLNS Commissioning Tool Professional or Standard Edition, or purchase the OpenLNS Commissioning Tool Professional or Standard Activation Key. These products all include an OpenLNS CT Activation Key that provides up to two OpenLNS Server licenses.
5. Purchase another product that includes an OpenLNS Server Activation Key. This provides a license for one computer.

WARNING: Do not use the same Activation Key to create a license on more than one PC. If you use the same key to activate the OpenLNS Server on multiple computers, the licenses *will be deactivated* on the old PC when the Echelon License Server detects the duplicate activations.

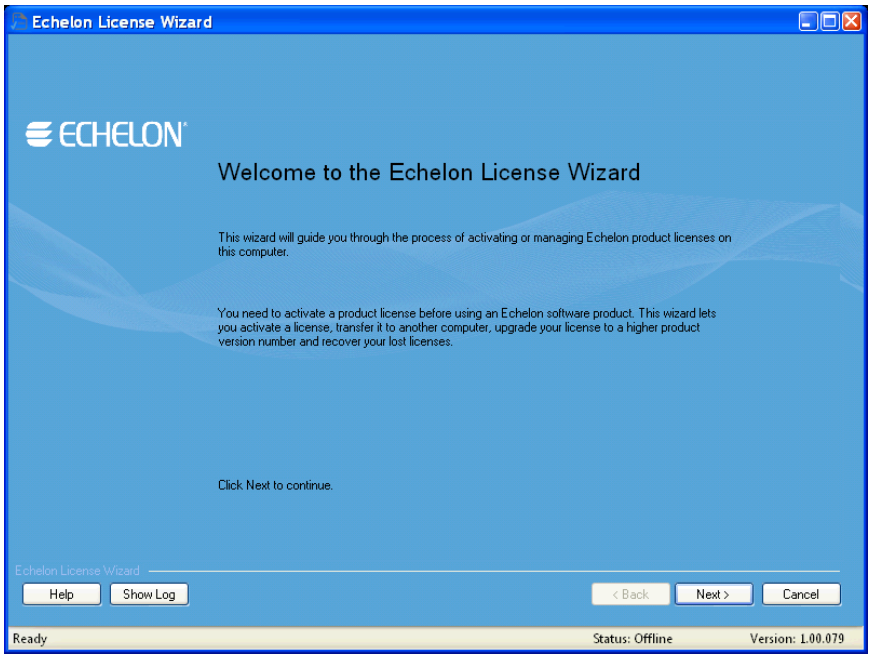
Installing the OpenLNS Server

When you install the OpenLNS Server, it attempts to communicate with the Echelon license server to automatically activate your software. If your computer does not communicate with the Echelon license server, you will need to manually activate the OpenLNS Server. For the OpenLNS Commissioning Tool (CT), you will need to manually activate both the OpenLNS Server license and the OpenLNS CT license. The following section describes manual activation.

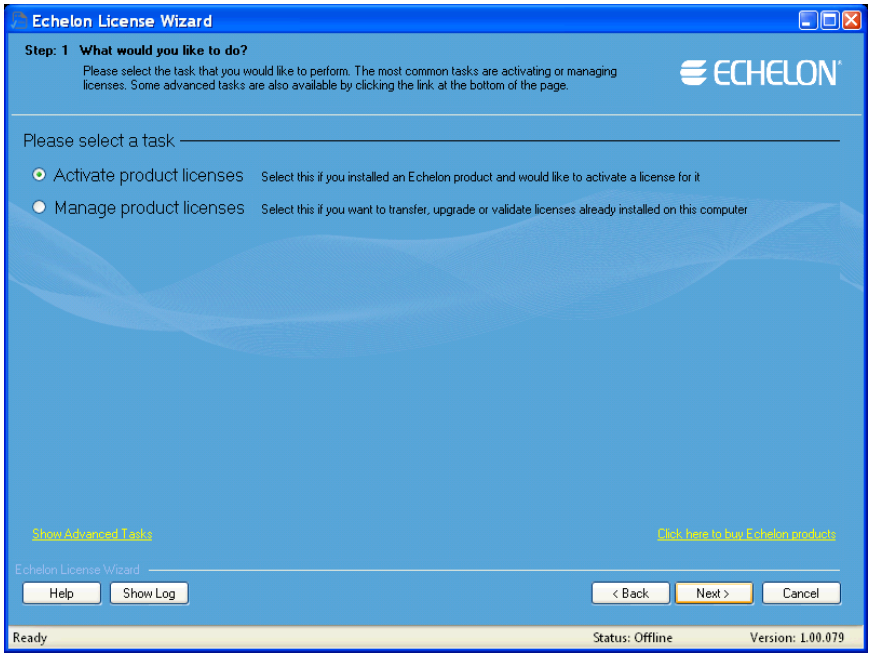
Manually Activating OpenLNS Server

If your computer was not attached to the Internet (or if the automatic installation failed) when you installed the OpenLNS Server, you can use the Echelon License Wizard to activate OpenLNS Server (and OpenLNS CT if purchased together) after you complete the software installation. You can activate your software via the Internet if your computer is now online, or you can manually activate your software via e-mail or phone if your computer is still offline. To use the License Wizard to activate your OpenLNS software, follow these steps:

1. Open the Echelon License Wizard. Click **Start**, click **Programs**, point to **Echelon License Wizard**, and then click **License Wizard**. The **Echelon License Wizard** opens. Click **Next**.



2. The **Step 1: What would you like to do?** dialog opens.



3. To activate your OpenLNS software using the over the Internet or via e-mail, click **Activate Product Licenses** and then click **Next**.

   To activate over the phone, click **Show Advanced Tasks**, **Upgrade a Product License over the Phone**, and then follow the instructions in the License Wizard. If your computer is offline, activate via e-mail if you have e-mail access because activating over the phone requires manually entering many lengthy alpha-numeric strings. Reading the long license keys over the phone is error prone due to the length of the keys. To speed up the manual activation process, send requests via e-mail instead of over the phone.

4. If your computer is online, the **Step 2: What is Your Account Information** dialog opens. Complete the following steps to activate your software (if your computer is still offline, proceed to step 5):

   a. Enter your account information and/or your OpenLNS Server activation key, and then click **Next**.

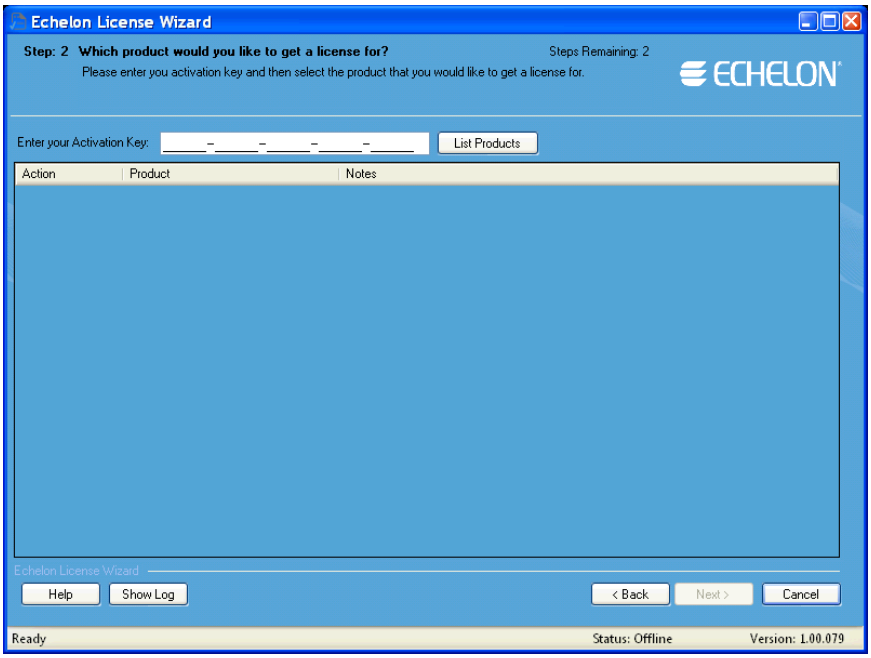
   b. The **Step 3: Which License Would You Like to Activate?** dialog opens.

   c. Select **Activate** from the **Action** list for OpenLNS Server, and then click **Next**.

   d. The **Step 4: Status** dialog opens, and the License Wizard activates your licenses.

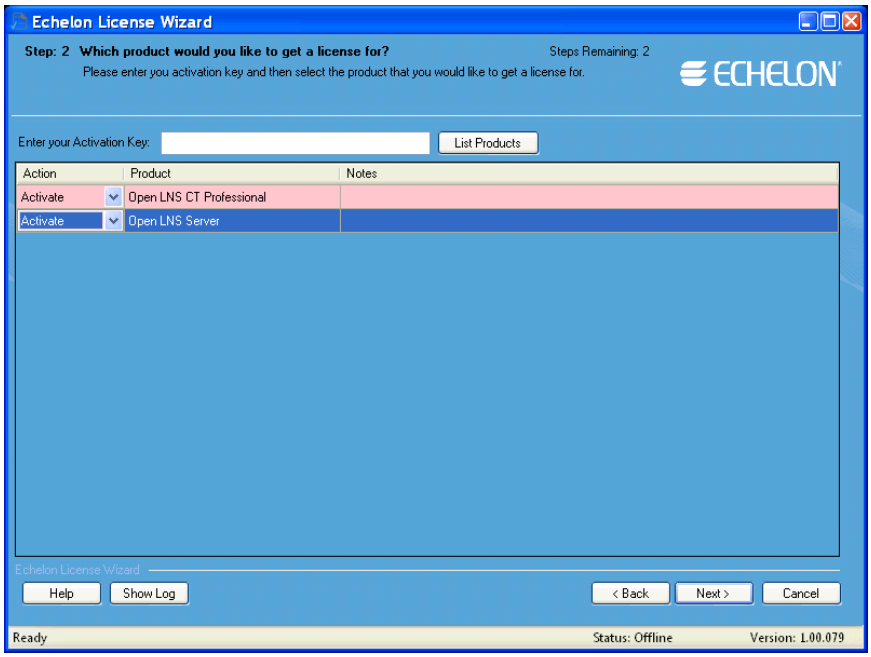
   e. Click **Exit** to close the License Wizard.

5. If your computer is still offline or if your computer cannot communicate to the Echelon license server, the **Step 2: Which Product Would You Like to Get a License For** dialog opens.

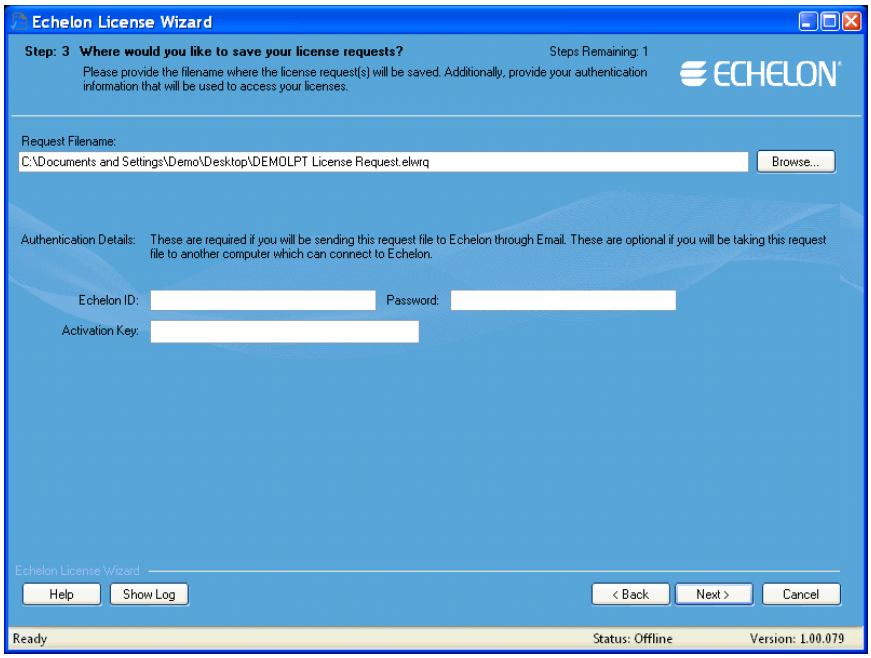


6. Enter your OpenLNS Server activation key in the **Enter Your Activation Key** box and then click **List Products**. The License Wizard lists your OpenLNS Server and, if included, your OpenLNS CT products. Select **Activate** from the **Action** list for both OpenLNS Server and OpenLNS CT, and then click **Next**.

WARNING: Do not use the same Activation Key to create a license on more than one PC. If you use the same key to activate the OpenLNS Server on multiple computers, the licenses *will be deactivated* on the old PC when the Echelon License Server detects the duplicate activations.



6. The **Step 3: Where Would You Like to Save Your License Requests?** dialog opens.

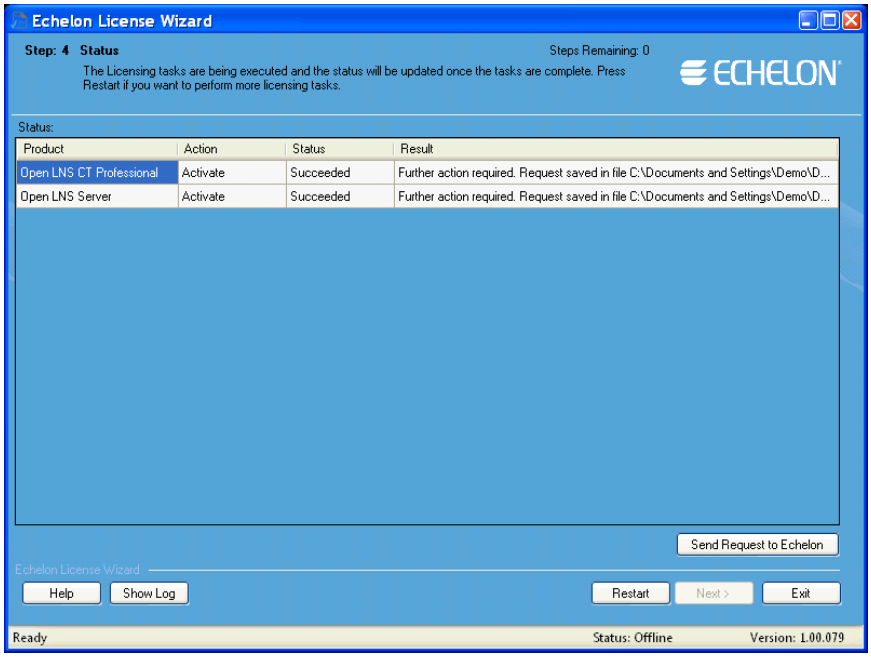


7. In the **Request File Name** property, enter a full path where a license request file (**.elwrq** extension) is to be saved, or click **Browse**, specify the directory where the license request file is to be saved, and then enter a name for the file.

   Under **Authentication Detail**s, enter the Echelon ID (e-mail address) and Password you created for your Echelon download account (see step 2 if you do not have an Echelon download account). The **Activation Key** box displays the 25-character alphanumeric string for the Echelon product to be activated. Do not modify this property.

   Click **Next**.

8. The **Status** dialog opens. The License Wizard confirms the creation of the license request file.

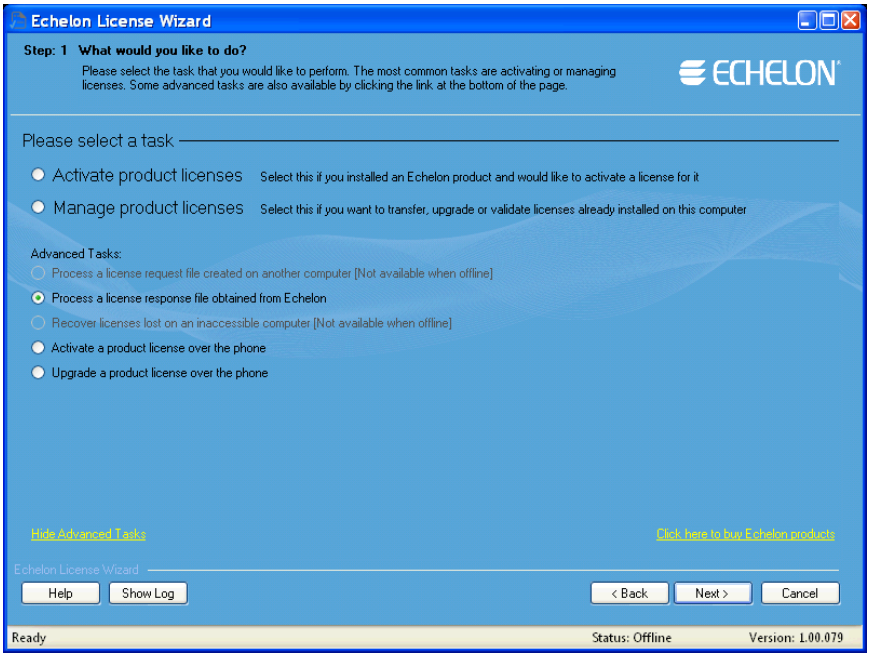


9. Click **Send Request to Echelon** to e-mail the license request file to Echelon at *activation@echelon.com*. Echelon will send you an e-mail message with a license response (**.elwrs** extension) file. For faster activation, copy the license request file to an Internet-connected computer with the License Wizard installed on it and importing it into the License Wizard. The License Wizard creates the license response file, which you can then copy to the original computer.

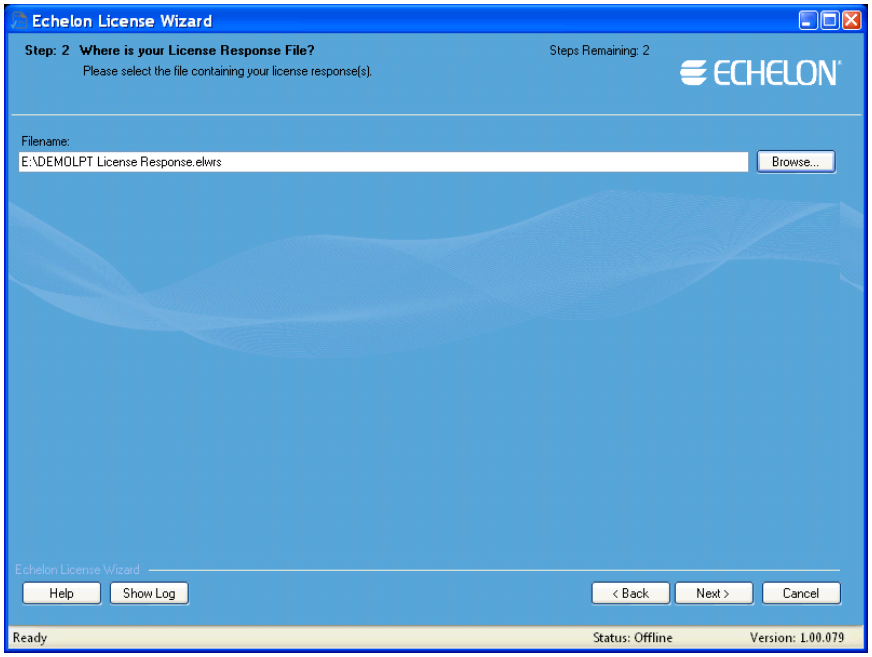
10. Import the license response (**.elwrs** extension) file into the License Wizard and activate your OpenLNS Server (and OpenLNS CT license, if applicable) following these steps:

    a. Start the Echelon License Wizard.

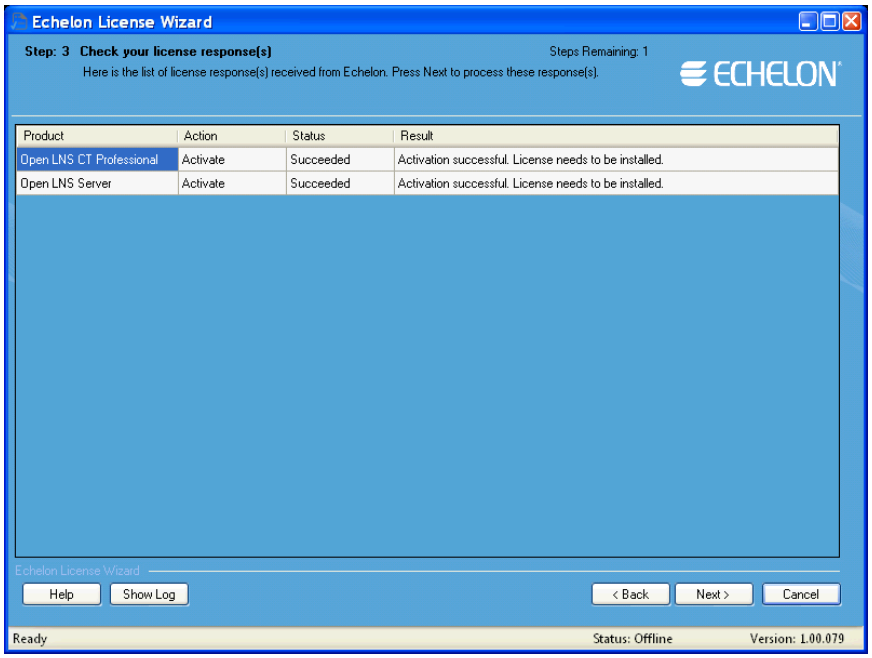
    b. In the **Task Selection** dialog, click the **Show Advanced Topics** link, and then click the **Process a License Response File Obtained from Echelon** option.



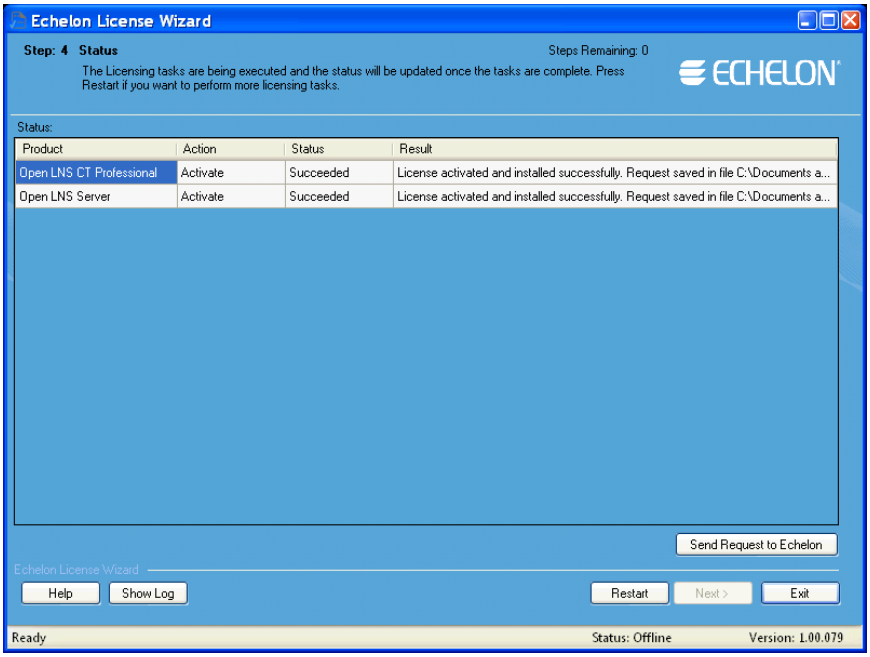
c. The **Import License Request or Response File** dialog opens. In the **File Name** property, enter the full path of the license response file (**.elwrs** extension), or click **Browse** and then select the file. Click **Next**.



d. The **Check License Response File** dialog opens. Confirm that the Echelon product licenses in the license response file are the ones you want to activate. Click **Next**. The License Server installs and activates the licenses in the license response file.



e. The **Status** dialog opens and confirms that the OpenLNS Server and, if included, OpenLNS CT licenses, have been successfully activated.



11. Click **Exit** to close the License Wizard.

2

Transferring the OpenLNS Server Licenses

Your OpenLNS Server license can be moved from one computer to another. This chapter gives you the steps to transfer a license.

Transferring OpenLNS Server Licenses

You can transfer your OpenLNS Server license (and, if you purchased OpenLNS CT, that license) from one computer to another using the **Echelon License Wizard**. Transferring your license lets you upgrade or switch your OpenLNS Server or OpenLNS CT computer without losing your license. You *cannot* use the **License Wizard** to install one license on multiple computers.

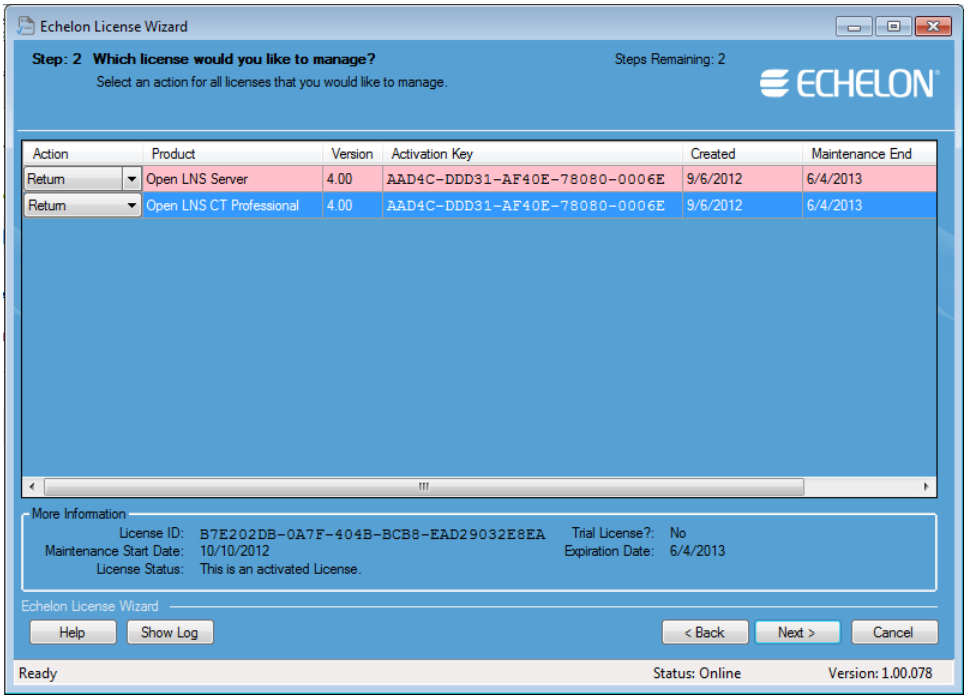
To transfer your license, follow these steps:

1. On the source computer, return the OpenLNS license:

   a. Open the Echelon License Wizard. Click **Start**, click **Programs**, point to **Echelon License Wizard**, and then click **License Wizard**. The **Echelon License Wizard** opens. Click **Next**.

   b. The **Step 1: What Would You Like to Do?** dialog opens. Click **Manage Product Licenses** and then click **Next**.

   c. The **Step 2: Which License Would You Like to Manage?** dialog opens. Select **Return** from the **Action** column of your OpenLNS Server and OpenLNS CT licenses, and then click **Next**

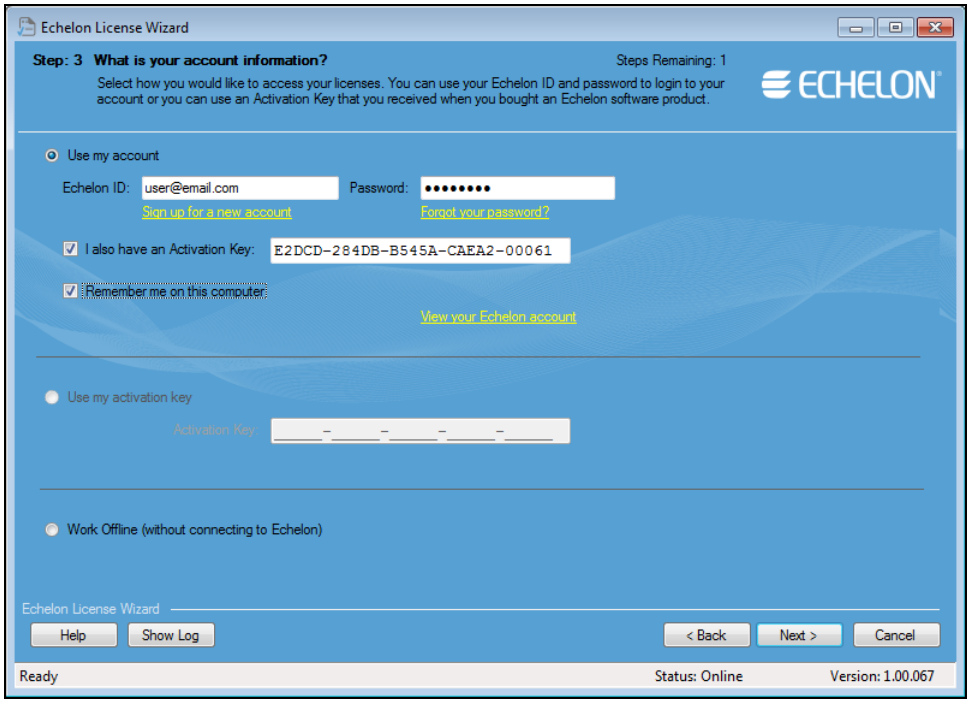


   d. The **Step 3: Enter Customer Information** dialog opens. Enter the User ID (e-mail address) and Password you created for your Echelon download account. If you do not have an Echelon download account, click the **Sign Up for a New Account** link, and create one on the *Echelon Web site*. If you forgot your password, you can retrieve it by clicking the **Forgot Your Password** link. This opens the Echelon Web site, where you can request the password to be e-mailed to you.

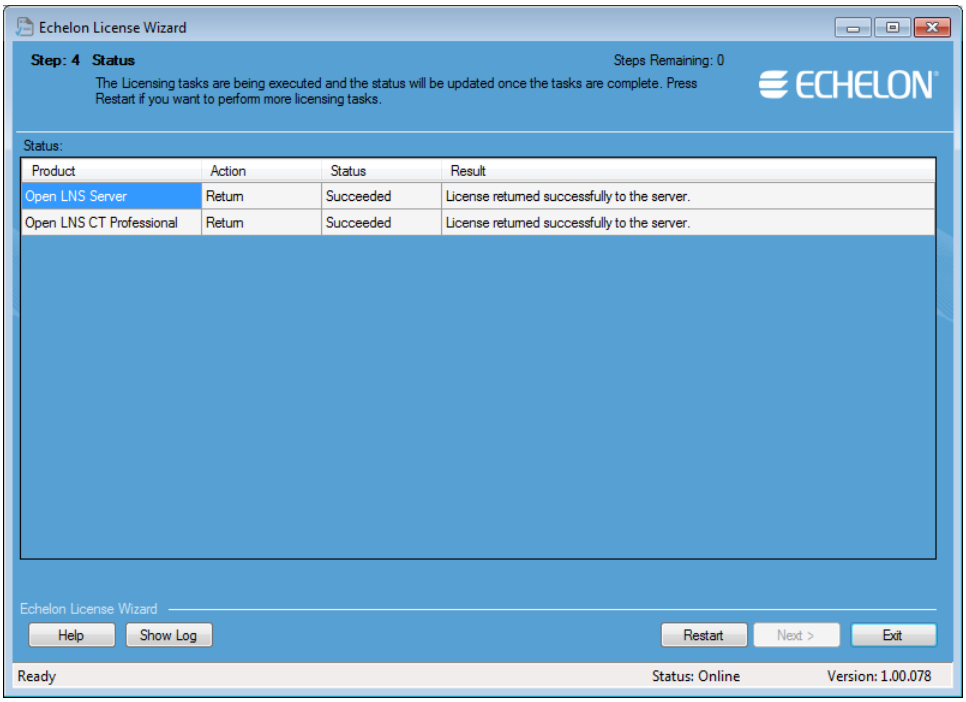
   Optionally, you can select the **Activation Key** check box and enter your product's 25-character alphanumeric string (five groups of five characters) that you received when you purchased your Echelon software product or products. This associates the product's activation key with your account, and it identifies all the Echelon products that you purchased in a single transaction.

You can select the **Remember Me on this Computer** check box to preserve your login credentials. This check box is selected by default, which means that your credentials will automatically be entered the next time you start the License Wizard.

If your computer does not have an Internet connection, click **Work Offline**, and then create a license request file (.**elwrq** extension) in the **Step 4: Where Would You Like to Save Your License Requests** dialog. After you save your license request, you can activate the license on the target computer by e-mailing the license request file to Echelon at *activation@echelon.com*, or by copying it to the target computer (if it has an Internet connection) and importing it into the License Wizard.



e. Your OpenLNS Server (and OpenLNS CT) licenses are returned to the Echelon License Server. The **Step 4: Status** dialog opens and report the results of the license return.



2. Install OpenLNS Server (and, if included, OpenLNS CT) on the target computer following the steps described earlier in this document. In the Customer Information window, enter the activation key you returned in step 1.

3

Recovering an OpenLNS Server License

This chapter provides the steps to recover your OpenLNS Server license.

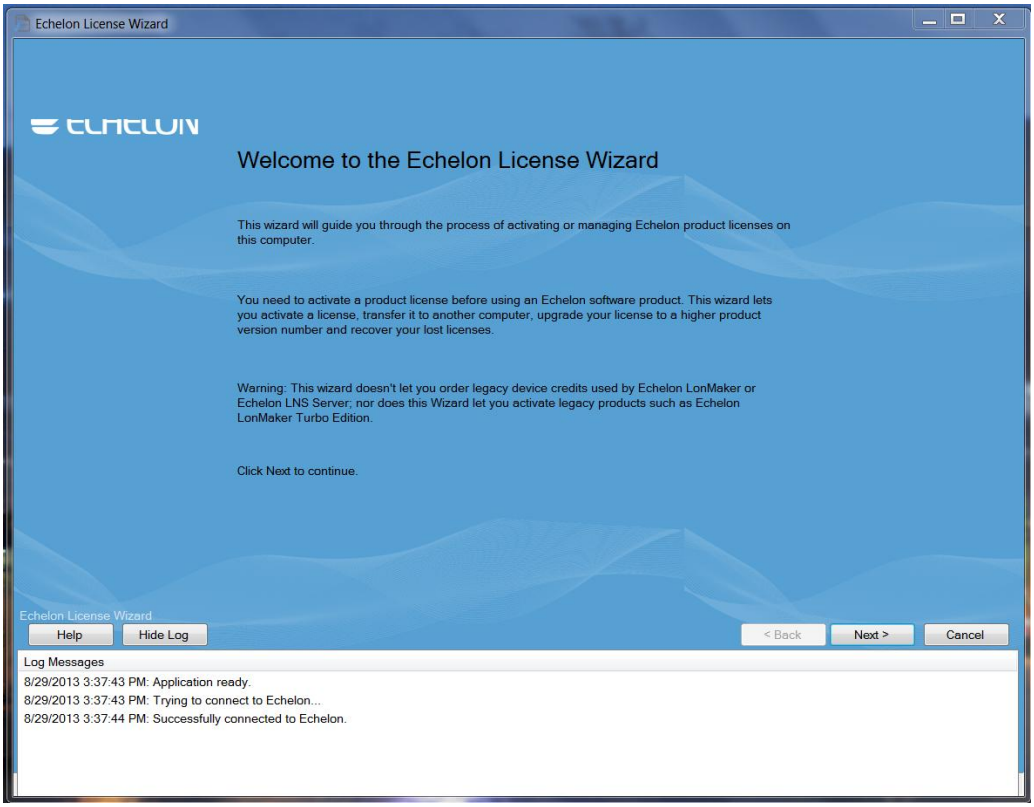
Recovering OpenLNS Server Licenses

You can recover a license that you lost because of hardware failure, hardware changes, or a BIOS change on your computer.

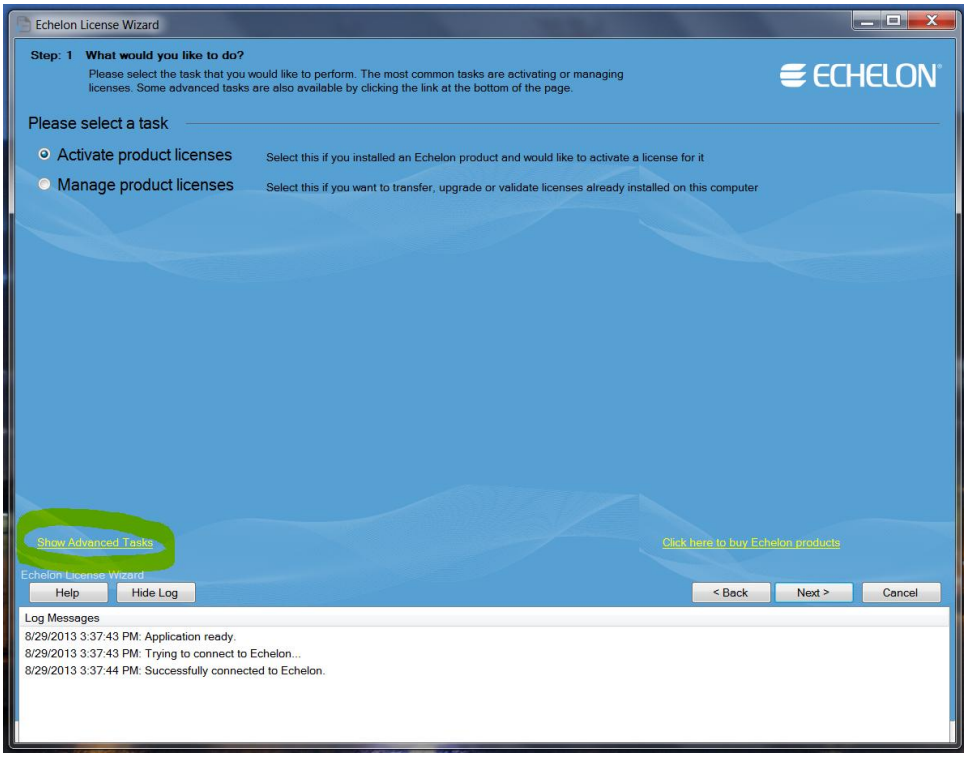
> **WARNING:** Do not use the same Activation Key to create a license on more than one PC. If you use the same key to activate the OpenLNS Server on multiple computers, the licenses *will be deactivated* on the old PC when the Echelon License Server detects the duplicate activations.

To recover your license, follow these steps:

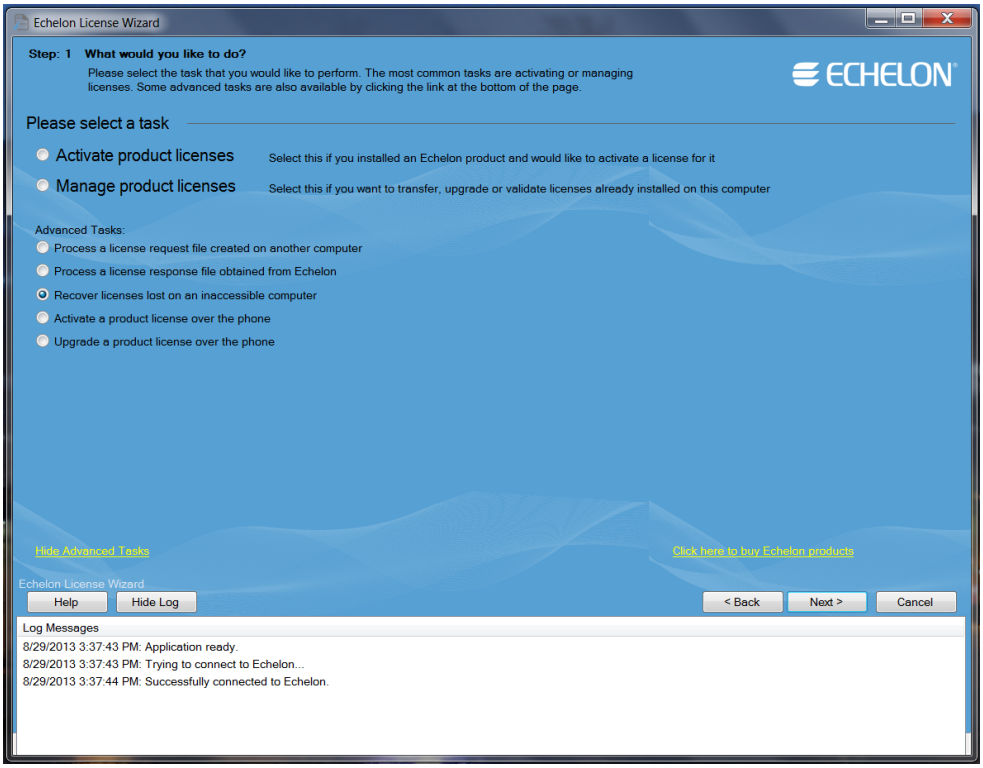
1. Open the Echelon License Wizard. Click **Start**, click **Programs**, point to **Echelon License Wizard**, and then click **License Wizard**. The **Echelon License Wizard** opens. Click Next.



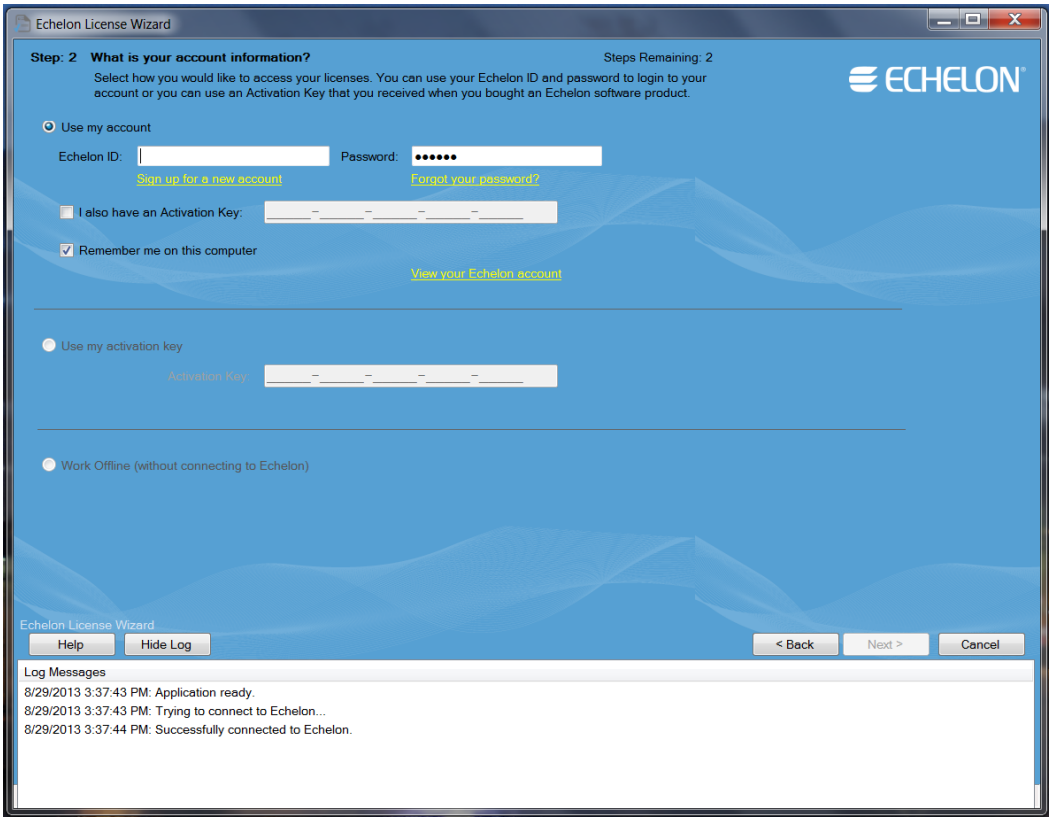
2. The **Step 1: What Would You Like to Do?** dialog opens. Click **Manage Product Licenses** and then click **Next**. Click **Show Advanced Tasks** at the bottom left of the Step 1 page



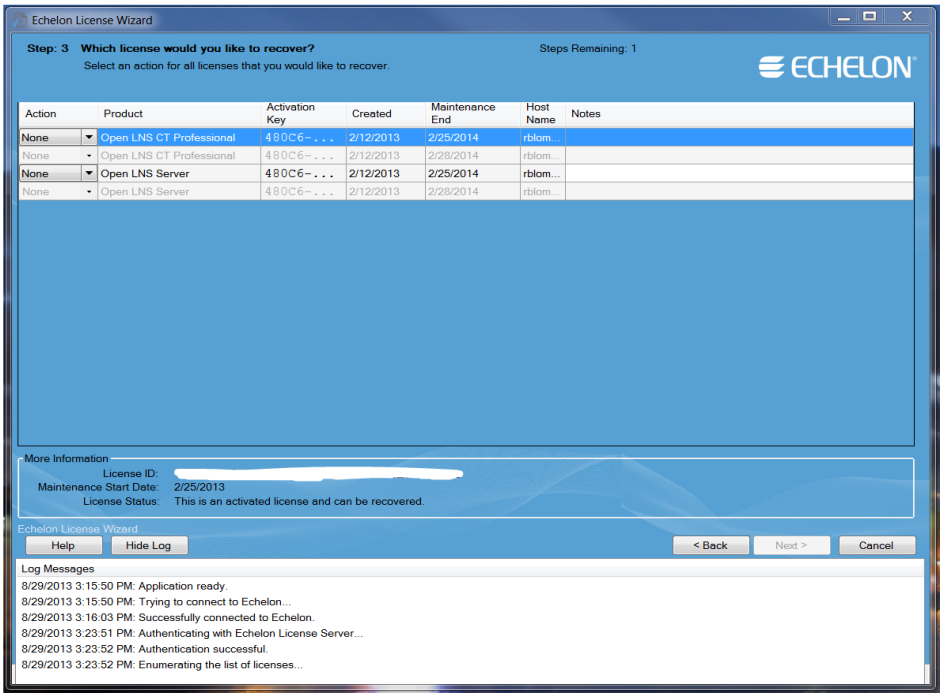
3. The advanced tasks are now added to the dialog.



4. Click **Recover Licenses Lost on an Inaccessible Computer**, and then click **Next**. The **Step 2: What is your account information?** Wizard dialog appears.



5. Enter your Echelon ID and Password, and then click **Next**. The **Step 3: Which license would you like to recover?** dialog now appears in the License Wizard.



6. Select **Recover** under **Action** for each of the licenses to be recovered. This option will only be available for licenses that you have previously activated.

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