Tricerat License Server
Installation and Application Guide

Release Info

This version of the *Tricerat License Server Installation and Application Guide* is applicable for all ScrewDrivers products, Version 7.0 and is current until replaced.

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Preface

Welcome to the *Tricerat License Server Installation and Application Guide*. The purpose of the *Tricerat License Server Installation and Application Guide* is to answer your questions and guide you through the procedures necessary to license and maintain a trial or purchased version of a ScrewDrivers product efficiently and effectively.

Conventions used in the manual

The *Tricerat License Server Installation and Application Guide* uses the following conventions:

- Information that can vary in a command—variable information—is indicated by alphanumeric characters enclosed in angle brackets; for example, <Server>. Do not type the angle brackets when you specify the variable information.
- A new term, or term that must be emphasized for clarity of procedures, is *italicized*.
- Page numbering is “online friendly.” Pages are numbered from 1 to x, *starting with the cover*, and ending on the last page of the guide.

Although numbering begins on the cover page, this number is not visible on the cover page or front matter pages. Page numbers are visible beginning with the first page of the Table of Contents.

- This manual is intended for both print and online viewing.
  - If information appears in blue, it is a hyperlink. Table of Contents entries are also hyperlinks. Click the hyperlink to advance to the referenced information.

Organization of the manual

In addition to this Preface, the *Tricerat License Server Installation and Application Guide* contains the following chapters:

- Chapter 1, “Setting Up or Updating Tricerat Licensing,” on page 9 details the installation of the Tricerat License Server. It also details the Tricerat License Server application, which provides all the options needed for managing your licensed products after you have installed the Tricerat License Server. Finally, the chapter also provides information about renewing or updating a Tricerat license file.
- Chapter 2, “Tricerat Licensing Considerations,” on page 21 describes the contingency procedures that Tricerat has in place in the event that a server has the potential of being moved to a different piece of hardware. It also describes how you can change the licensing mode for any product that uses the Tricerat LMX licensing technology and, if you move your Tricerat License Server to a different piece of hardware, how you can specify the new address.

Chapter 1
Setting Up or Updating Tricerat Licensing

A Tricerat product can be licensed under one of three models – Nodelocked, Concurrent User or Concurrent Server. If you are licensing your Tricerat product under the Concurrent User model or the Concurrent Server model, then you must install the Tricerat License Server. This chapter details the installation of the Tricerat License Server. It also details the Tricerat License Server application, which provides all the options needed for managing your licensed products after you have installed the Tricerat License Server. Finally, the chapter also provides information about renewing or updating a Tricerat license file.

This chapter covers the following topics:

- "Installing the Tricerat License Server" on page 11.
- "Renewing or Updating an Existing Tricerat License File" on page 18.

Chapter 1
Setting Up or Updating Tricerat Licensing

Installing the Tricerat License Server

If you are installing a Tricerat product under the Concurrent User model or the Concurrent Server model, then you must install the Tricerat License Server. The Tricerat License Server installation file is called TriceratLicenseServer_<version_number>_x64, (for example, TriceratLicenseServer_5.3.1.0_x64), and you can download it from the Tricerat website by:

1. Opening the Tricerat website: www.tricerat.com.
2. Logging in with your customer credentials.
3. Opening Product Downloads, and locating and downloading the correct download file.

You must run the Tricerat License Server executable on a 64-bit server OS. The intended installation directory requires at least 19 MB of free disk space. The default installation directory is C:\Program Files\Tricerat, but you can select a different location. Tricerat supplies the necessary server activation code in an email to you. Your Tricerat products are available for use immediately after you install and activate the license server.

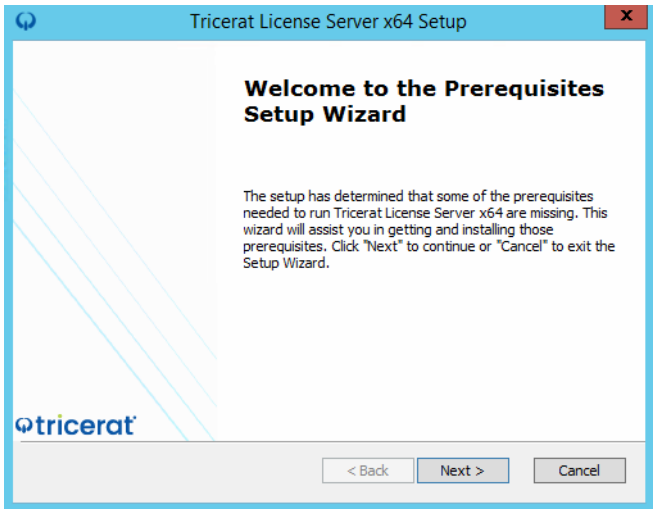
The following procedure assumes that the server that is hosting the Tricerat License Server *or another Tricerat product has Internet access. In the event that the hosting server does not have Internet connectivity, see* *"Activating a License without Internet Access" on page 23.*

To install the Tricerat License Server

1. Download the Tricerat License Server installation file, TriceratLicenseServer_<version_number>_x64, onto your 64-bit server OS.
2. Double-click the file to start the installation.

   The Prerequisites Setup Wizard opens. The Prerequisites Setup page is the open page.

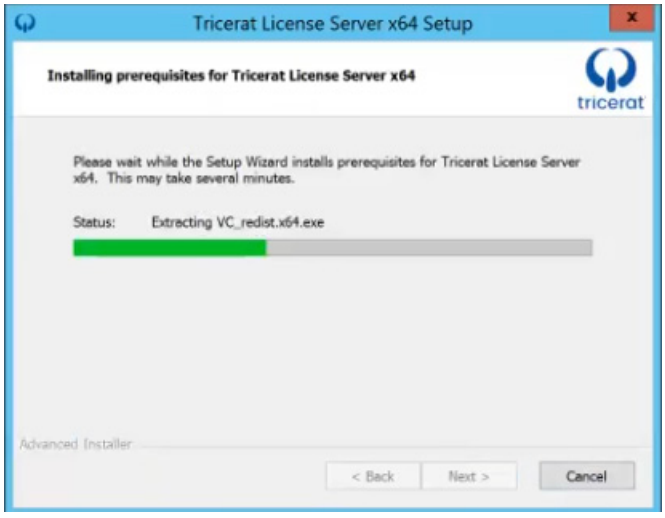
Figure 1-1: Tricerat License Server x64 Setup Wizard, Prerequisite Setup page



3. Click Next.

   The Installing Prerequisites Progress page opens. The page displays the progress of installing the prerequisites for the Tricerat License Server. After the installation of the prerequisites is complete, Next is enabled.

Figure 1-2: Prerequisites Setup Wizard, Installing Prerequisites Progress page



4. Click Next.

   The Tricerat License Server x64 Setup Wizard opens. The Welcome page is the open page. The End User License Agreement page then opens immediately after the Welcome page. See Figure 1-4 on page 13.

Figure 1-3: Tricerat License Server x64 Setup Wizard, Welcome page

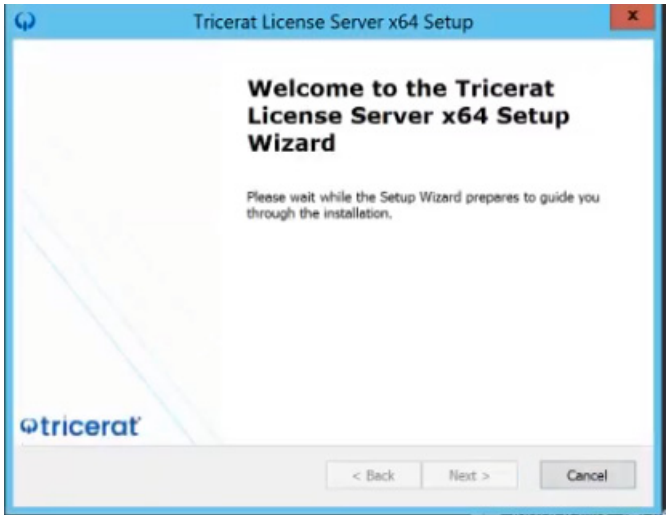
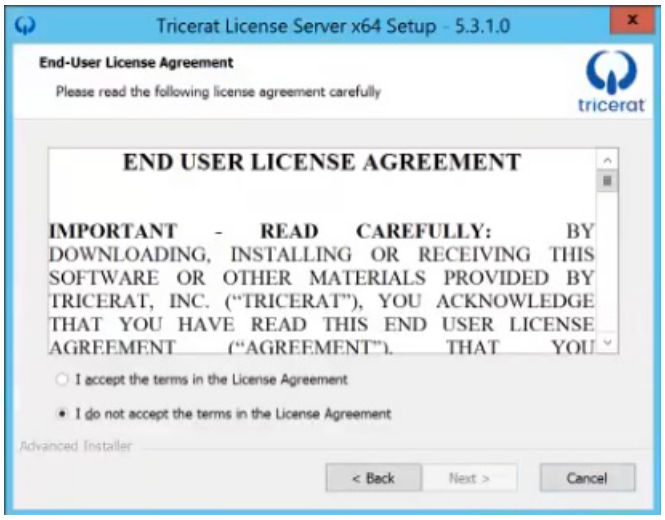


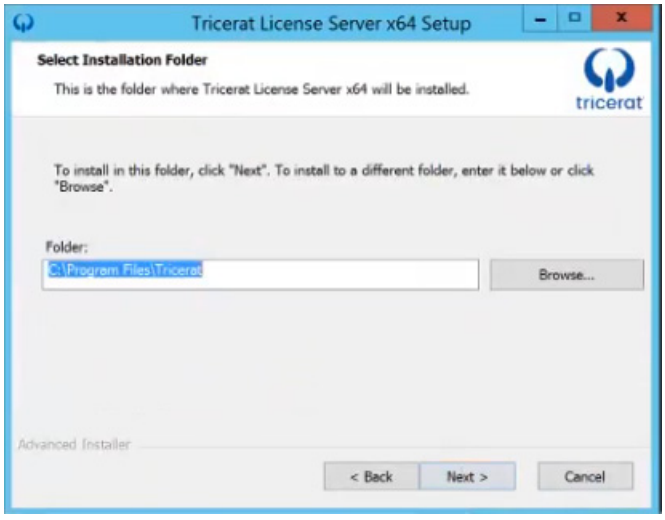
Figure 1-4: Tricerat License Server x64 Setup Wizard, End User License Agreement page



5. Optionally, read the EULA for the Tricerat License Server, and then click I accept the terms in the License Agreement, or simply click I accept the terms in the License Agreement.
6. Click Next.

   The Select Installation Folder page opens. The installation directory is set to the default value of C:\Program Files\Tricerat.

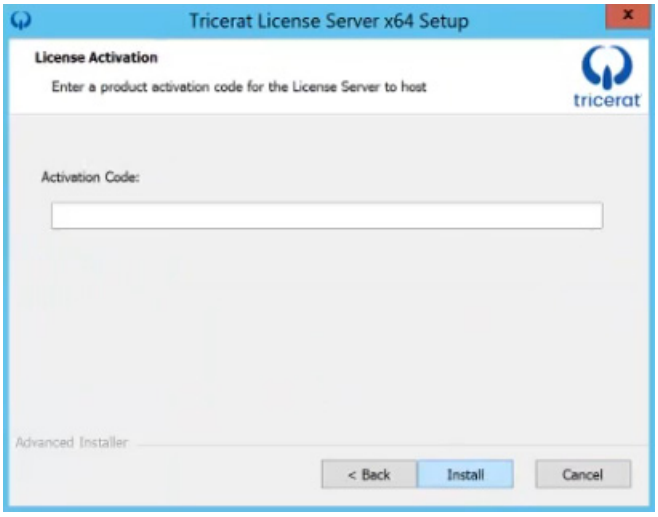
Figure 1-5: Tricerat License Server x64 Setup Wizard, Set Installation Directory page



7. Leave the installation directory set to the default value of C:\Program Files\Tricerat, *or* click Browse to browse to and select a different installation location.
8. Click Next.

   The License Activation page opens. See Figure 1-6 on page 14.

Figure 1-6: Tricerat License Server x64 Setup Wizard, License Activation page



9. In the Activation Code field, enter the license server activation code that Tricerat emailed to you, and then click Install.

   The Installation Progress page opens. After the Tricerat License Server is successfully installed, the Finish Installation page opens. See Figure 1-7 below and Figure 1-8 on page 15.

Figure 1-7: Tricerat License Server x64 Setup Wizard, Installation Progress page

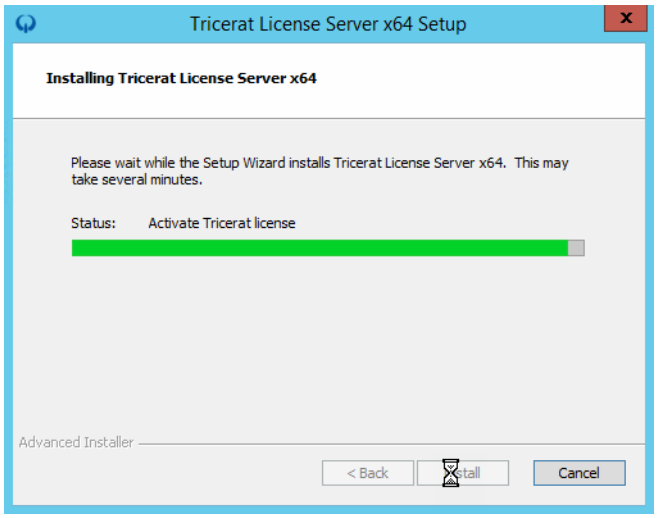
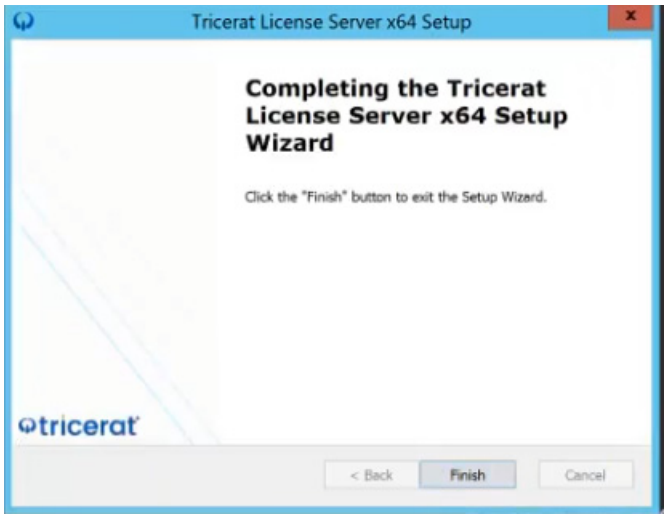


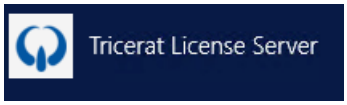
Figure 1-8: Tricerat License Server x64 Setup Wizard, Installation Progress page



10. Click Finish.

    The Tricerat License Server Installation wizard closes. After the Tricerat License Server is installed, a shortcut for the Tricerat License Server application (app) is placed on the server desktop. See “The Tricerat License Server Application” on page 16..

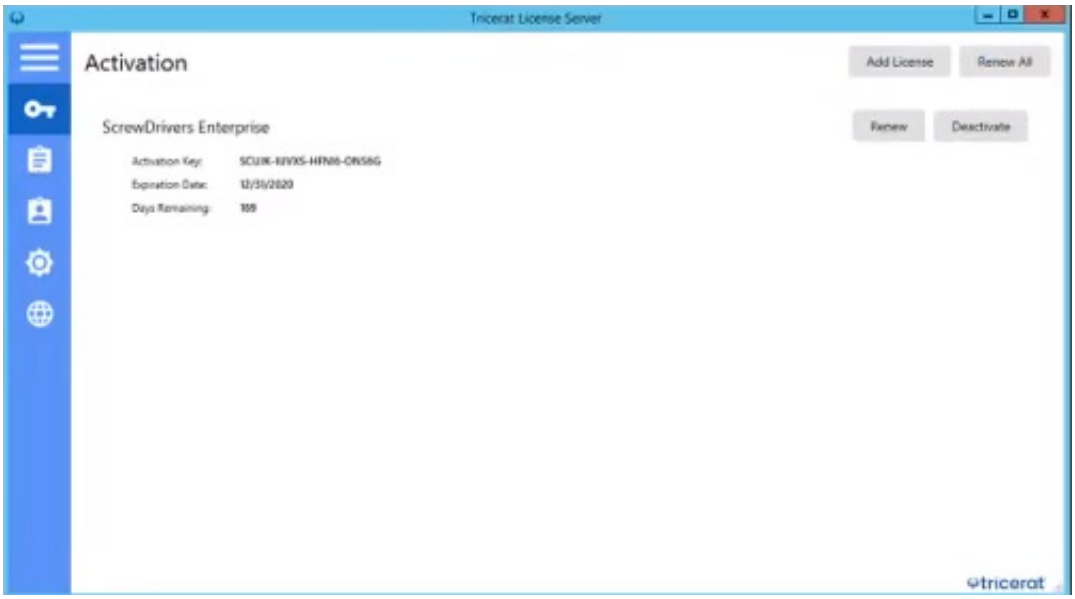
Figure 1-9: Tricerat License Server app desktop shortcut



The Tricerat License Server Application

The Tricerat License Server application (app) provides all the necessary functions for managing the licenses for your Tricerat products, including renewing and updating licenses. You can also use the app to monitor license usage and product users and to start, stop, or refresh the license server. To open the Tricerat License Server app, double-click the Tricerat License Server desktop shortcut.

Figure 1-10: Tricerat License Server app



The Tricerat License Server app has five tabs that provide your license management functions. Each tab is represented by an icon on a Tab bar that is displayed on the left side of the app window. Click an icon to open the corresponding tab.

When the Tricerat License Server app first opens, the Tab bar is collapsed. You can hold your cursor over an icon on the Tab bar to display a tooltip that shows the name of the corresponding tab, or you can click the Hamburger icon to expand the Tab bar and view the complete name of each tab.

Tab	Description
	Activation tab - Displays all your installed and licensed Tricerat products, for example, ScrewDrivers Essentials. For each product license, the following information is provided: • Activation Key • Expiration Date • Days Remaining Options are also provided for renewing and updating a license. See “Renewing or Updating an Existing Tricerat License File” on page 18.

Tab	Description
	Product Usage tab - Displays all the features that were installed for your licensed product, for example, ScrewDrivers Endpoint and ScrewDrivers Scanning for ScrewDrivers Essentials. For *each* feature that was installed for the licensed product (ScrewDrivers Essentials, ScrewDrivers Pro, or ScrewDrivers Enterprise), the following information is provided: • License Type • Expiration Date • Version • Licenses in Use/Total Licenses Available A Refresh option is also provided. You can click Refresh to update this information in real-time.
	User Usage tab - Displays the following information for each user who is currently logged in to a feature for the licensed product: • The username • The user's login time • The HostID for the Session Agent • The name of the ScrewDrivers feature that the user is currently logged in to (for example, ScrewDrivers Direct). A Refresh option is also displayed. Click this option to update the information that is displayed on the tab in real time.
	Tricerat License Server tab - Displays the version of the Tricerat LMX licensing technology in use. Also displays the status of the license service (Running, Stopped, or Restarting) and provides the following options for the server: • Start • Stop • Restart
	About tab - Displays the version of the Tricerat License Server currently in use. Also provides a Help link for documentation and support.

Renewing or Updating an Existing Tricerat License File

Managing licenses for your Tricerat products consists of renewing or updating your existing licenses. You can renew a maintenance-based or subscription-based Tricerat license. You also have the option of updating your current Tricerat license file for many reasons, including:

- You are extending a trial license.
- You are transitioning from a trial license period to a production license.
- You are implementing a new license server.

To renew or update an existing Tricerat license file

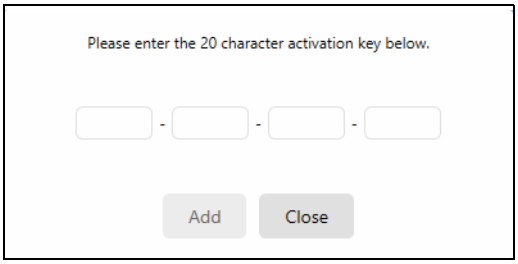
1. Open the Tricerat License Server app.

   The Activation tab is the open tab.

2. Do one of the following:
   - If you are extending a trial license for a product, then click Renew.
   - If you transitioning a license for a product, or you are implementing a new license server (you are moving the existing license to a new server), then do the following in the order indicated:
     - Copy the license activation code that Tricerat emailed to you to a safe and accessible location.
     - Click Deactivate.
     - On the existing or new server, click Add License.

       An Activation Key dialog box opens, with a prompt to enter the 20 character activation key.

Figure 1-11: Activation Key dialog box



3. Enter the license activation code that Tricerat emailed to you, and then click Add.

   A message opens, indicating that the license was successfully activated.

4. Click OK.

   The message closes. Your new license is now activated and in use.

Chapter 1
Setting Up or Updating Tricerat Licensing

Chapter 2
Tricerat Licensing Considerations

Typically, you install a Tricerat license on a server that has Internet connectivity; however, Tricerat has contingency procedures in place in the event that a server does not have Internet connectivity. You can change the licensing mode for any product that uses the Tricerat LMX licensing technology and if you move your to a different piece of hardware, you can also specify the new address.

This chapter covers the following topics:

- “Activating a License without Internet Access” on page 23.
- “Changing Tricerat Licensing Options” on page 27.

Chapter 2
Tricerat Licensing Considerations

Activating a License without Internet Access

If the server that is hosting the Tricerat License Server or any other Tricerat product does not have Internet connectivity, then you must activate and download the necessary license from another server that has Internet connectivity, and then copy this license to the host server.

To activate a license without Internet access

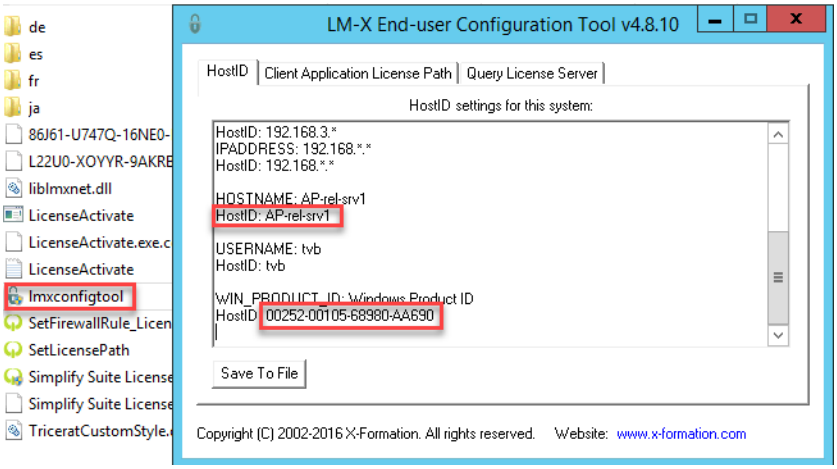
1. On the host server, locate and run the following executable: lmxconfigtool.exe. This file resides in the following location:
   - For the Tricerat License Server - C:\Program Files\Tricerat\Tricerat License Console.
   - For any other Tricerat product - The installation directory for the product.

   The main window for the LM-X End-user Configuration Tool opens. The HostID tab is the open tab.
2. Scroll to the Server HostId and Windows product HostID information section.

   The Server HostID and Windows product HostID information displayed is the machine-specific information that is required to activate the Tricerat license.

In Figure 2-1 below, the Server HostID is AP-rel-srv1 and the Windows product HostID is 00252-00105-68980-AA690.

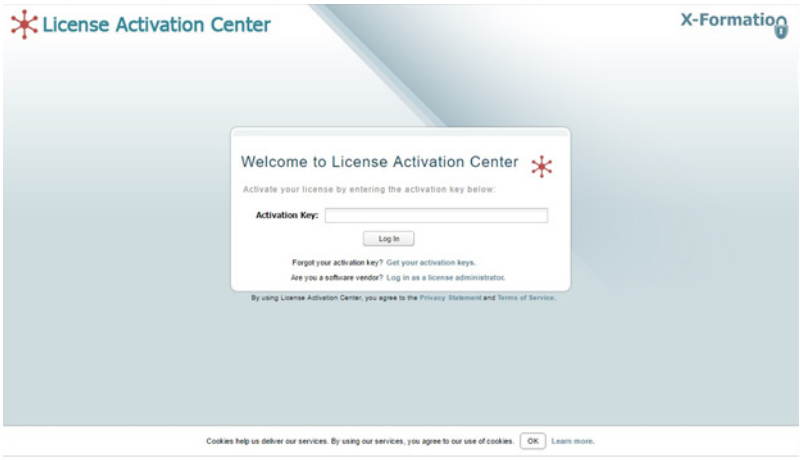
Figure 2-1: LM-X End-user Configuration Tool, main window



3. Log on to a client that has Internet connectivity, and in a browser of your choice, enter the following URL: https://license.x-formation.com.

   The License Activation Center opens. The Welcome page is the open page. See Figure 2-2 on page 24.

Figure 2-2: License Activation Center, Welcome page



If the page that opens does not look exactly like that shown in Figure 2-2 above, look for the text shown in Figure 2-3 below, and then click the link in the text to open the License Activation Center.

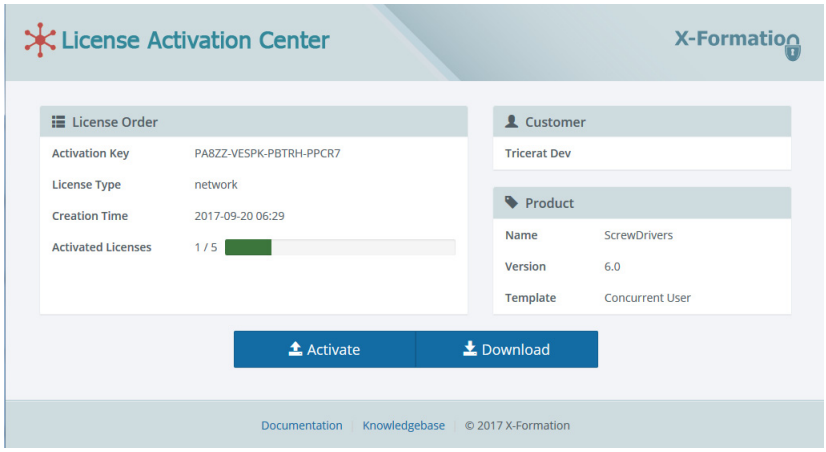
Figure 2-3: Alternate text to open License Activation Center page

Are you downloading a software license? Enter your activation key to get your license.

4. In the Activation Key field, enter the license activation key that Tricerat provided to you, and then click Log In.

   The License Information page opens.

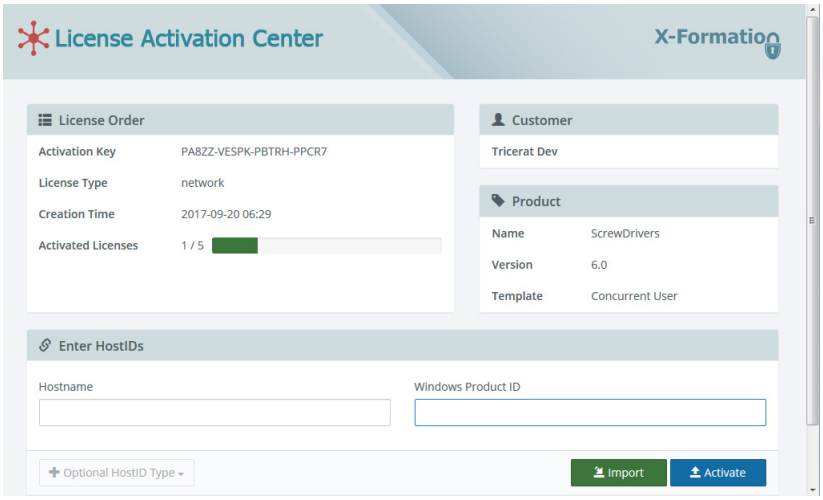
Figure 2-4: License Activation Center, License Information page



5. Click Activate

   The License Activation page opens. The page contains an option for entering the HostID for the host server and the Windows product HostID.

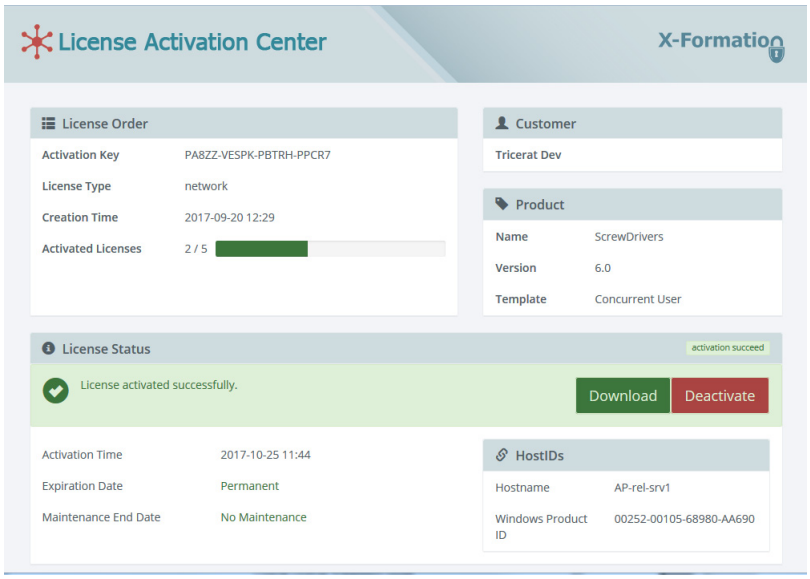
Figure 2-5: License Activation Center, License Activation page



6. In the Hostname field, enter the HostID for the host server and in the Windows Product ID field, enter the Windows product HostID (both values that you determined in Step 1), and then click Activate.

   The License Download page opens. The message that the license was successfully activated is displayed in the License Status pane at the bottom of the page.

Figure 2-6: License Download page



7. Click Download.

   The activated license is downloaded to your client.

8. Copy the downloaded license to the same directory in which you located lmxconfigtool.exe.
9. Open the Tricerat License Server app, and then open the License Server tab.
10. To restart the license service and read the new license file, click Restart.
11. Open the Activation tab and verify that the license was correctly read.

Changing Tricerat Licensing Options

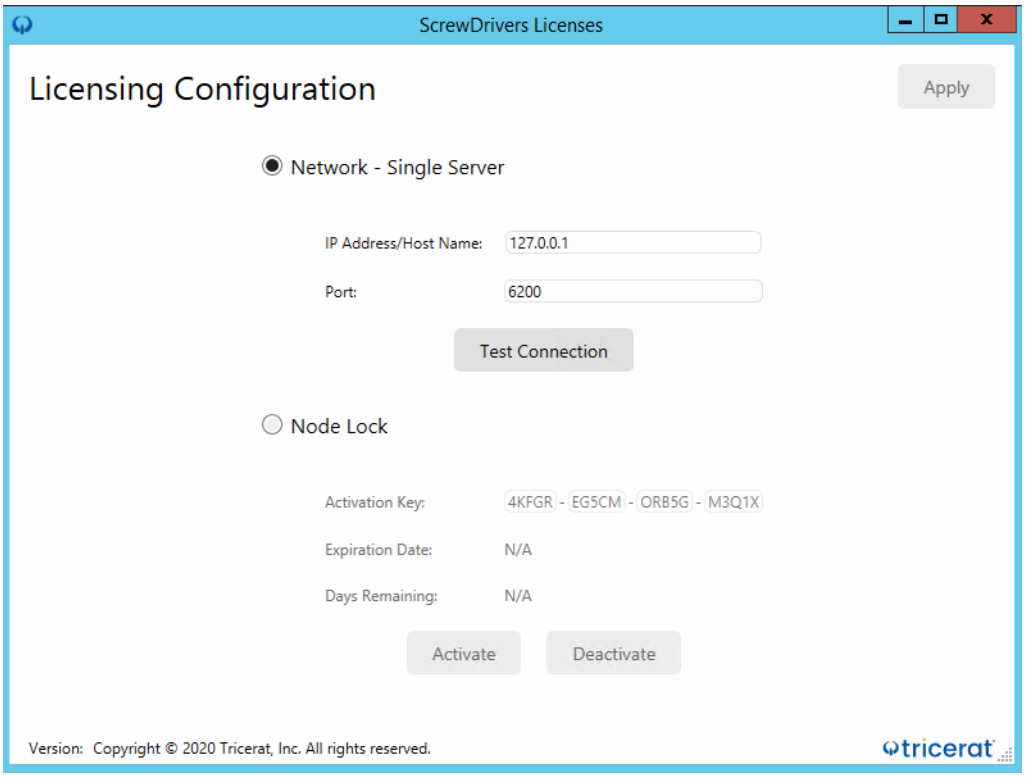
When you install a Tricerat product, if the product requires licensing, then the Tricerat License Server application (app) is silently installed as well. Because licensed ScrewDrivers products use the Tricerat LMX licensing technology, you can use Tricerat License Server to change either the licensing mode or licensing parameters for your installed products.

You can also use the options that are available on the Licensing Configuration tab of the ScrewDrivers Endpoint Session Agent app to change the licensing mode or licensing parameters for ScrewDrivers Endpointand ScrewDrivers Scanning.

Do one of the following to open the ScrewDrivers Licenses app, and then change your license options as needed:

- Navigate to the Control Panel, and then double-click your ScrewDrivers product to open it, for example, ScrewDrivers Endpoint.
- On the server desktop, double-click the Tricerat License Server shortcut.

Figure 2-7: Tricerat License Server app



Chapter 2
Tricerat Licensing Considerations