



Veritrek Installation Instructions Manual

Veritrek 4.0

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PREPARED, DISTRIBUTED, AND SUPPORTED BY

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SYSTEM REQUIREMENTS

Veritrek supports Windows 10 (64-bit only) operating systems.

The *Veritrek Creation Tool* requires the following:

- Autodesk's AutoCAD® (2016, 2017, or 2018)
- Cullimore and Ring Technologies' Thermal Desktop® (6.0.14 or newer including 6.1) and SINDA/FLUINT products including their required dependencies (e.g. Intel Fortran Compiler, etc.)
- Anaconda3 version up to 5.2.0
- Python version up to 3.6.5
- Python GPy version 1.9.6 and associated python packages (numpy, scipy, six, decorator, paramz)

The *Veritrek Exploration Tool* requires the following:

- Java Runtime Environment Version 8 (JRE 8) Update 60 thru 261 (64-bit only). An embedded JRE is included with your installation of *Veritrek 4.0*, so a separate install should not be necessary. Please refer to the *Veritrek 4.0 Installation Instructions Manual* for more information on system requirements.

Please refer to Section 6 for steps on how to download and install *Veritrek's* software dependencies.

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This reference document is intended as an instruction guide on how to download and install the *Veritrek* software suite, as well as how to set up the License Service for *Veritrek*.

Download and install occurs via a direct Sharepoint download link that will be sent via email.

Setting up a License Service will allow for the automatic start of the *Veritrek* License service when the user's computer is turned on, negating the need to manually start the License service every time a user's computer may get shut down. It is important to note that setting up this License Service is optional for the user. If the License Service is not set up, the user will simply need to point *Veritrek* to the appropriate license file when asked.

Veritrek uses *Flexera Software* as its software asset management; and therefore, these instructions are based on other tutorials and instructions provided by *Flexera Software*. The tutorials and instructions provided by *Flexera Software* can certainly be used; however, this document condenses and consolidates that information into the steps that are strictly used and necessary of *Veritrek*. If experience setting up License Services or using *Flexera Software* is already attained, these instructions may not be necessary. These instructions are intended only for someone who is setting up the License Service and has never done this before using *Flexera Software*. It is assumed that successful download and install have already been performed. For more help, visit <http://veritrek.com/>.

2 OBTAIN AND SEND MAC ADDRESS

The first step involves LoadPath creating a license file for the user. In order to create this license file, LoadPath needs the MAC address of the user computer (and the “server computer” if going for a server and client set-up). These instructions can be followed to obtain the MAC address of the user computer, which needs to be sent via email to LoadPath.

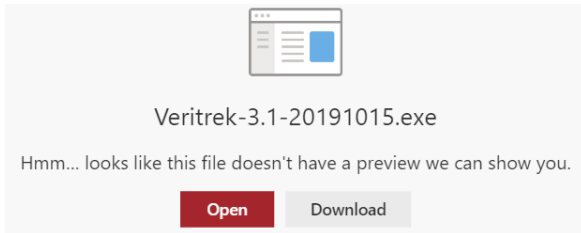
Obtaining MAC Address	
<p>1. Type “cmd” into the Start Menu, and press Enter.</p> 	<p>This will open the Command Prompt.</p>
<p>2. Type “ipconfig /all” and press Enter.</p> 	
<p>3. Scroll-down and look for a Physical Address.</p> 	
<p>4. Send this MAC address to LoadPath.</p>	

3 DOWNLOAD AND INSTALL VERITREK

After creating your license file, LoadPath will send a download link and license file to the user via email.

Download and Install Veritrek

1. Receive a direct download link via email.
2. **Download** Veritrek.



3. **Run** the *Veritrek* Installer and follow the instructions of the Install Wizard.

The direct download is performed using a Sharepoint download link. If you are not able to download from Sharepoint, just let us know and we can figure out an alternative method to getting you the software.

4 PLACE VERITREK LICENSE.LIC FILE

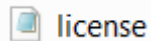
After download and install, the user will need to place the *Veritrek* license.lic file in the proper location and start the license service.

4.1 For a License Administrator (Server and Client machine are the same)

Once the license file (license.lic) is obtained, proceed with the following instructions.

License Administrator User License Placement and Veritrek Service Start

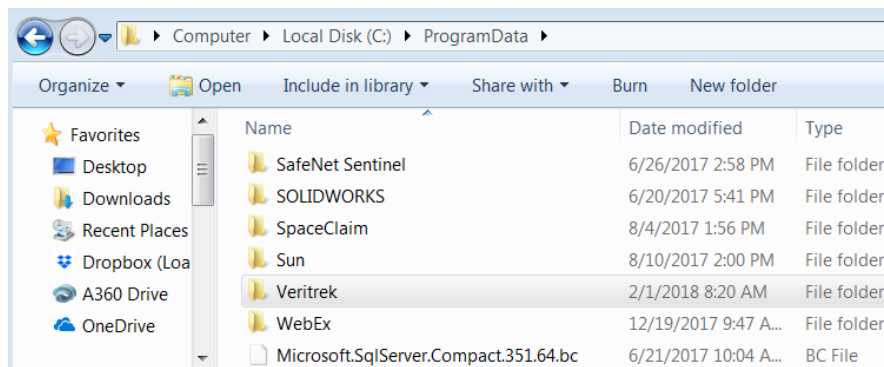
1. Download the license key file from the email attachment.
2. Copy or move the license file from the System Downloads folder.



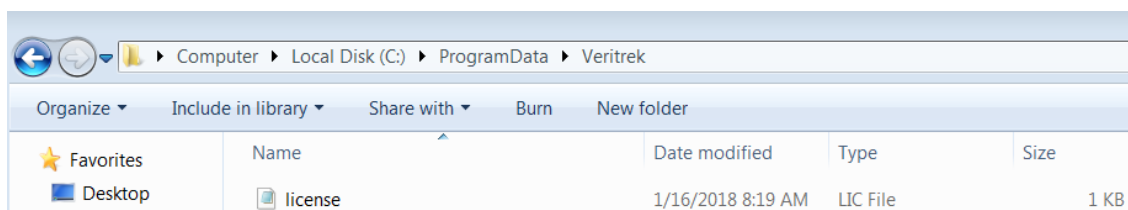
3. Type `%programdata%` into a Windows explorer window.
4. Press *Enter*.
5. Locate and open the `\Veritrek` folder.

An email will be sent to the email address provided. This email will contain the necessary license file(s) that need to be downloaded and copied, a software download link as described in the previous section, and a tutorial walkthrough along with this download and install instruction manual.

Navigate to the `\Veritrek` folder within the Program Data of the computer.



6. Paste the license.lic file into this folder.



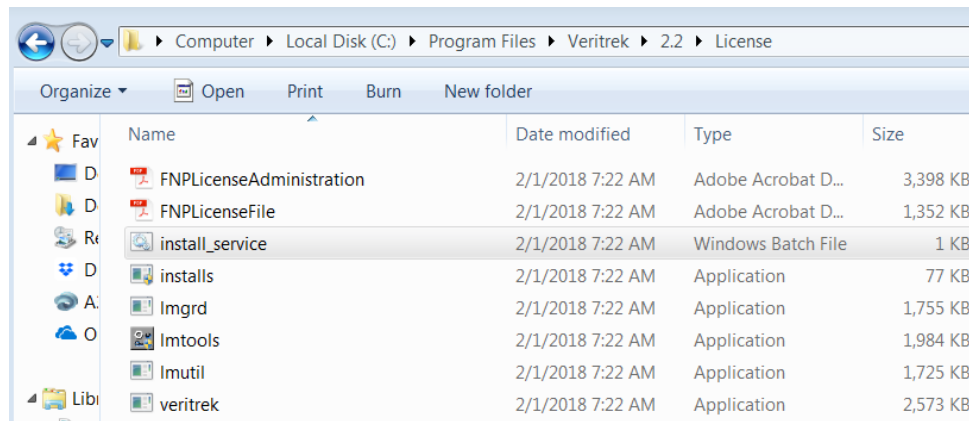
License Administrator User License Placement and Veritrek Service Start

7. Go to the \Veritrek folder that is created during install.
8. Locate the License folder.

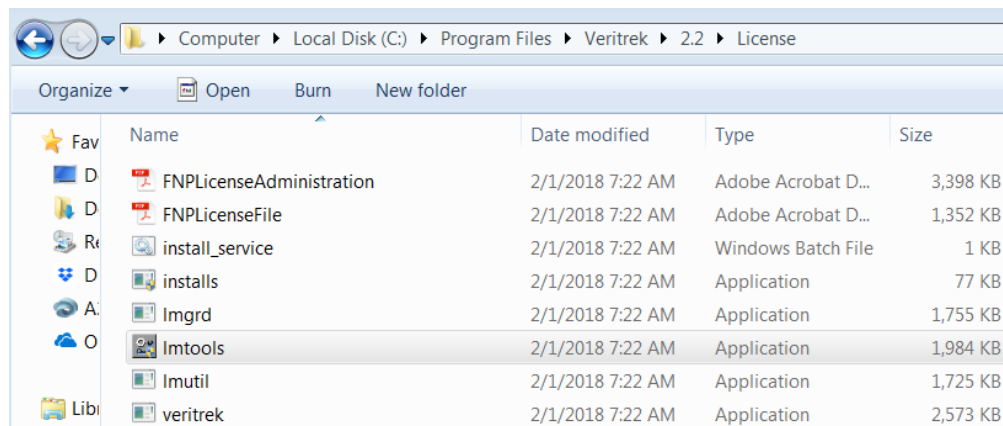
The default location for the \Veritrek folder is in the \Program Files folder of the Local Disk drive; however, if you chose a different location during install then that is where the \Veritrek folder will be.

Computer > Local Disk (C:) > Program Files > Veritrek > 2.2 > License

9. Right-click to run the **install_service.bat** file as an Administrator.



10. Allow the app to make changes to your computer.
11. Right-click to run the Imtools application as an Administrator.

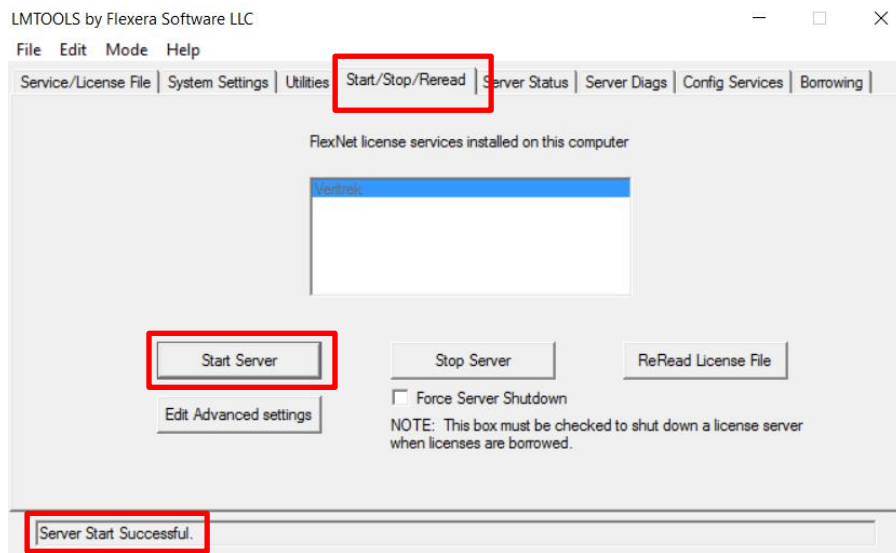


License Administrator User License Placement and *Veritrek* Service Start

12. Allow the app to make changes to your computer.
13. Click to the **Start/Stop/Reread** tab.
14. Click **Start Server**.
15. Wait for the “Server Start Successful” notice.

Located at the top of the windowpane.

Status can be observed at the bottom of the Lmtools windowpane. When it is complete, the line will say “Server Start Successful.”



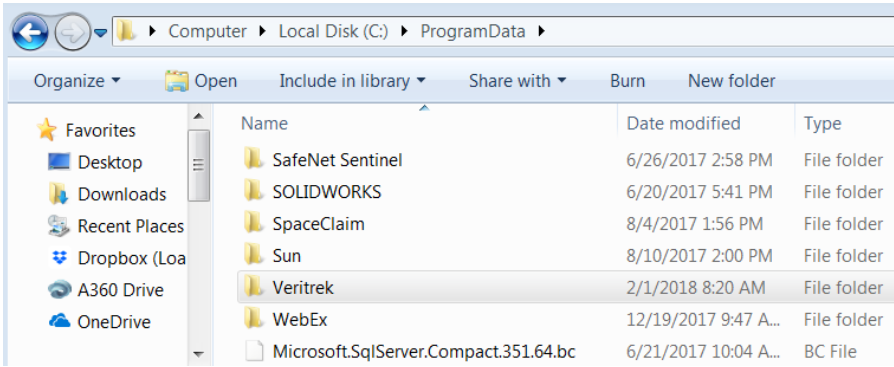
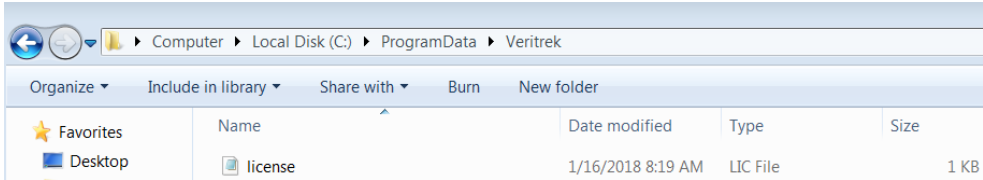
16. Start either the *Veritrek Exploration Tool* application or the *Veritrek Creation Tool* application.

License File Server Set-up is finished, and *Veritrek* can now be started.

4.2 For a Client User (Server and Client machines are separate)

THIS STEP IS AN INFORMATIONAL STEP FOR SET-UP OF A CLIENT MACHINE IN A SERVER-CLIENT CONFIGURATION. THIS REQUIRES THE VERITREK LICENSE SERVICE TO ALREADY BE PROPERLY SET-UP ON THE SERVER MACHINE, USING THE INSTRUCTIONS PROVIDED IN SECTION 5.1.


Once the client license file is obtained, proceed with the following instructions.

Client User License Placement	
<ol style="list-style-type: none"> 1. Download the license key file from the email attachment. 2. Copy or move the license file from the System Downloads folder. 3. Type <code>%programdata%</code> into a Windows explorer window. 4. Press <i>Enter</i>. 5. Locate and open the <code>\VeritreK</code> folder. 	<p>Navigate to the <code>\VeritreK</code> folder within the Program Data of the computer.</p>
	
<ol style="list-style-type: none"> 6. Paste the license.lic file into this folder. 	
<ol style="list-style-type: none"> 7. Open the license.lic file and replace the "192.168.88.13" with the IP address of your network server. 8. Save the license.lic file. 	<p>If you do not know the IP address of your network server, please contact your IT system administrator or you can refer to your VeritreK Customer Support Representative for assistance.</p>

4.3 Stopping and Removing the Veritrek License Service

THIS STEP IS AN INFORMATIONAL STEP FOR LICENSE ADMINISTRATORS ONLY AND DOES NOT NEED TO BE PERFORMED FOR SUCCESSFUL VERITREK STARTUP.

In some instances, the user may need to stop the *Veritrek* License Service or remove the *Veritrek* License Service completely. Examples of when this include updating to a new version of *Veritrek*, changes to the license file were made, etc. These steps can be followed to stop and remove the *Veritrek* License Service.

Stopping and Removing the Veritrek License Service	
<ol style="list-style-type: none">1. From the start menu, type in “command” and locate a shortcut to a command prompt.2. Right-click on the shortcut and select “Run as Administrator.”3. In the command line, type “SC STOP Veritrek”.4. Press Enter.5. In the command line, type “SC DELETE Veritrek”.6. Press Enter.	<p>This will stop the <i>Veritrek</i> License service from running.</p> <p>This will remove the <i>Veritrek</i> License service all together.</p>
<p> Administrator: Command Prompt</p> <pre>Microsoft Windows [Version 10.0.15063] (c) 2017 Microsoft Corporation. All rights reserved. C:\Users\JacobMoulton>SC STOP Veritrek SERVICE_NAME: Veritrek TYPE : 10 WIN32_OWN_PROCESS STATE : 3 STOP_PENDING (STOPPABLE, NOT_PAUSABLE, ACCEPTS_SHUTDOWN) WIN32_EXIT_CODE : 0 (0x0) SERVICE_EXIT_CODE : 0 (0x0) CHECKPOINT : 0x1 WAIT_HINT : 0xbb8 C:\Users\JacobMoulton>SC DELETE Veritrek [SC] DeleteService SUCCESS</pre>	

4.4 Silent Install Instructions

For those users wanting a silent install option, Veritrek can be installed silently. To do so, run the following command from a Command Prompt or Powershell:

```
Veritrek-${version}-${timestamp}.exe /verysilent /suppressmsboxes /norestart
```

, where `Veritrek-${version}-${timestamp}.exe` is whatever version of the installer the user happens to be using.

After successful placement of the license file, and successful set-up and start of the *Veritrek* license service by the License Administrator, *Veritrek* can be started.

To make sure that everything is set up properly and the necessary software is configured properly, start by opening the *Veritrek Creation Tool*. It is important to note that the *Veritrek Creation Tool* requires Anaconda3 versions 4.4.0 (up to 5.2.0) and Python 3.6 (up to 3.6.5). If you do not have this currently installed, you will receive a pop-up telling you so when you try and open the *Veritrek Creation Tool*. If this occurs, please go to <https://repo.continuum.io/archive/>, find the Anaconda3-4.4.0 executable for a Windows OS (should be dated 2017-05-26), and download and install Anaconda. This direct download link can also be used, https://repo.continuum.io/archive/Anaconda3-4.4.0-Windows-x86_64.exe. After Anaconda is installed, several python packages need to be installed as well. Open an Anaconda command prompt as an Administrator, which should be available in the Start Menu after Anaconda is installed, and issue the following command:

```
pip uninstall scipy numpy six decorator
```

press “y” and then hit “enter” when you are prompted

```
pip install -I gpy==1.9.6
```

After these steps are performed, the *Veritrek Creation Tool* can be opened and is ready for use.

Next, open the *Veritrek Exploration Tool*. It is also important to note that the *Veritrek Exploration Tool* requires Java version 8, but there is an embedded JRE that the *Veritrek Exploration Tool* will use to run.

Once you can open both the *Veritrek Creation Tool* and the *Veritrek Exploration Tool* without any pop-ups, you can start using the *Veritrek* software suite.