VIAVI

XPERTrak 4.0
Quick Start Guide for Administrators

Notice

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This guide is a product of the VIAVI Technical Publications Department, issued as part of the product. The catalog number for a published guide is Catalog Number - printed. The catalog number for an electronic guide on USB is Catalog Number - electronic.

Terms and conditions

Specifications, terms, and conditions are subject to change without notice. The provision of hardware, services, and/or software are subject to VIAVI standard terms and conditions, available at **www.viavisolutions.com/en/terms-and-conditions**.

Before you begin

Thank you for purchasing XPERTrak™. This guide provides installation and setup instructions to get you up and running with the software as soon as possible.

Technical assistance

If you require technical assistance, call 1-844-GO-VIAVI / 1.844.468.4284.

For the latest TAC information, visit
**https://www.viavisolutions.com/en-us/services-and-support/support/technical-assistance**

Downloading XPERTrak software

1. Go to the **VIAVI Licensing Portal** to download the XPERTrak software.

   https://licensing.viavisolutions.com/ecp

2. Log in with the username and password provided by VIAVI.

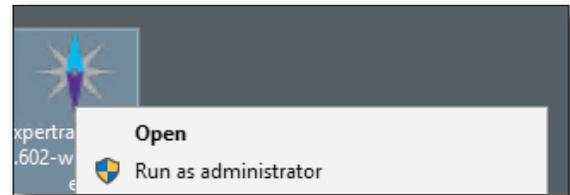3. Download the XPERTrak software to your server.

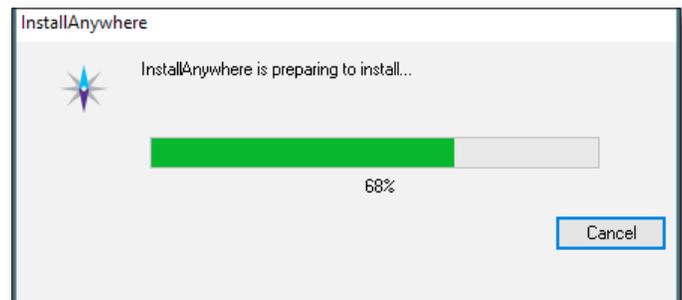   Contact us at 1-844-GO-VIAVI for complete instructions.
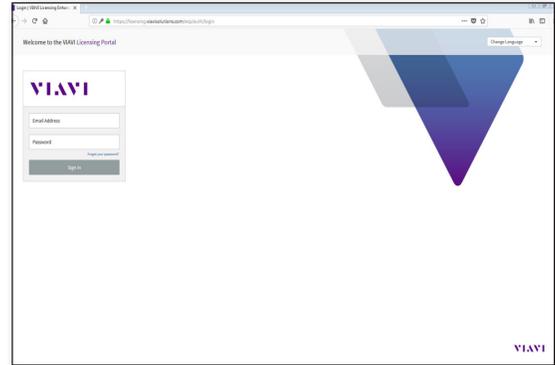
If you did not receive login information, please visit **http://www.viavisolutions.com/en-us/services-and-support/support/customer-service** and choose your country.

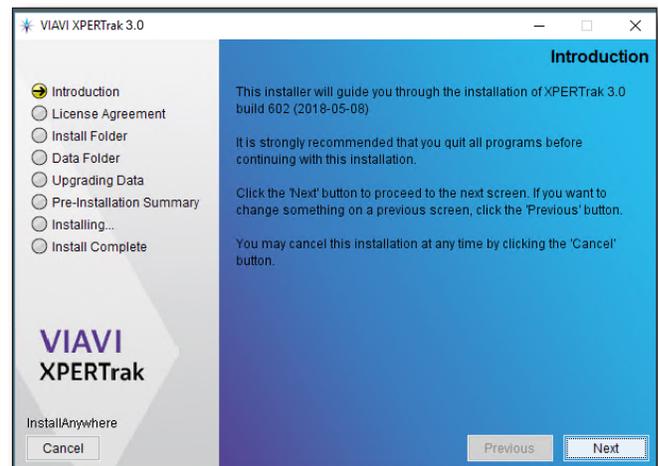# Installing XPERTrak

1. Right click on the executable file and run as administrator.
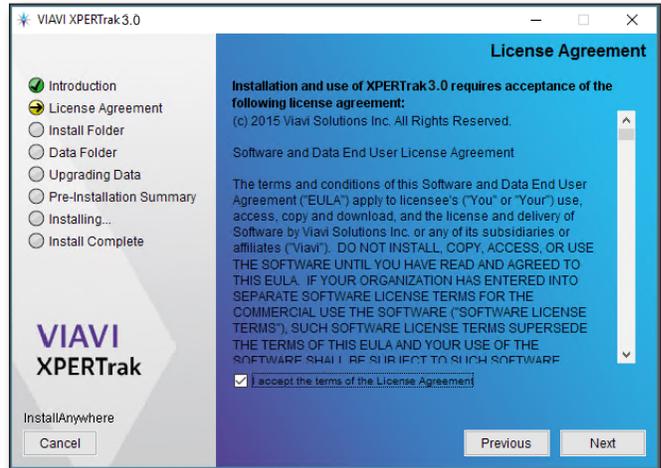

   The **InstallAnywhere Process** will begin.

   After it completes, the **Introduction** page is displayed. Click **Next**.
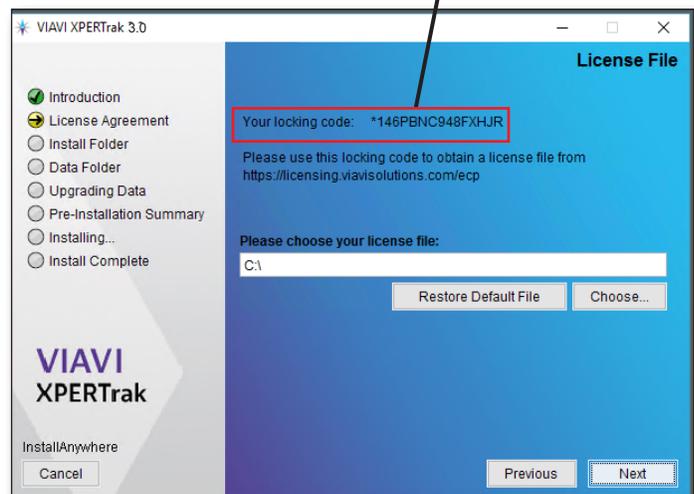
2. Accept the license agreement and click **Next**.

3. A *locking code* will then be generated by the system. Copy this code (including the asterisk) for the next step.

   The locking code is like a "fingerprint" of the host machine and is used to uniquely tie the software license to the specific host machine.

4. Next, go back to the **VIAVI Licensing Portal** to activate and obtain your license file.

   The XPERTrak installation requires a valid license file to proceed with an upgrade installation. For a new installation, a license file may be added afterwards.

5. Log in again, if necessary.

6. Use the locking code you copied from the XPERTrak installer and activate your license. Your license file will be emailed to you shortly.
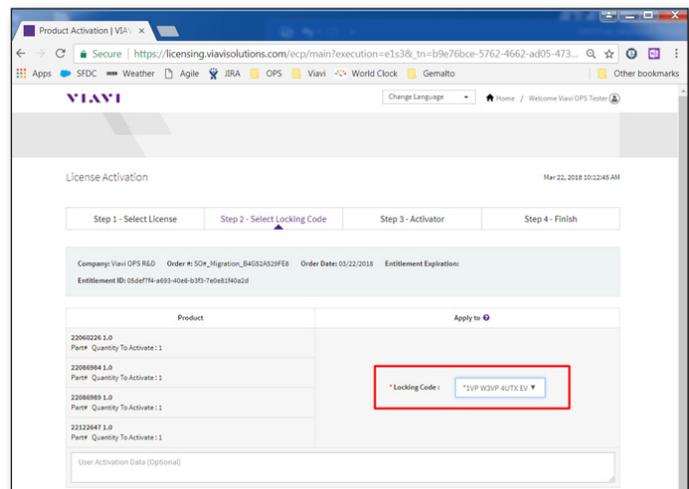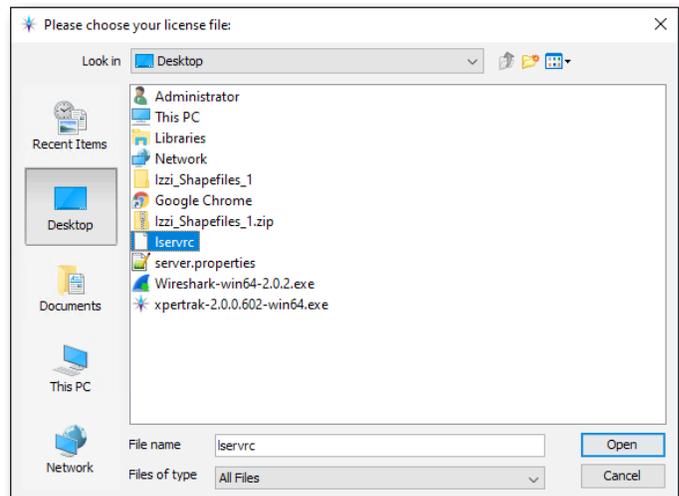
7. Save the license file to your XPERTrak server.

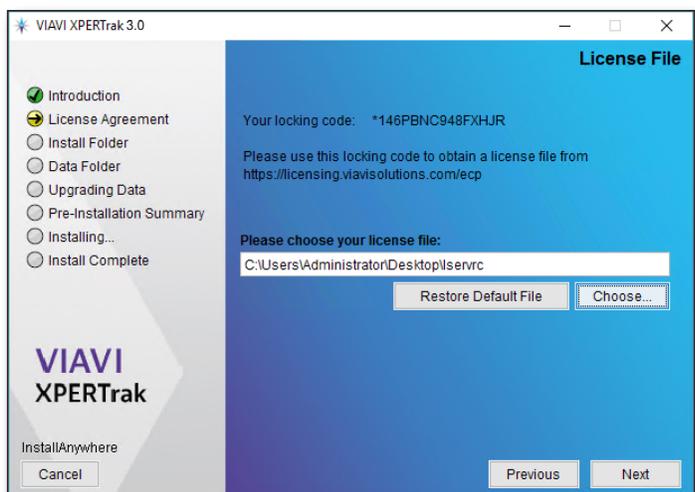   Contact us at 1-844-GO-VIAVI for complete instructions.

8. Back on the **License File** screen, select **Choose** and browse to the license that you downloaded to your XPERTrak server.
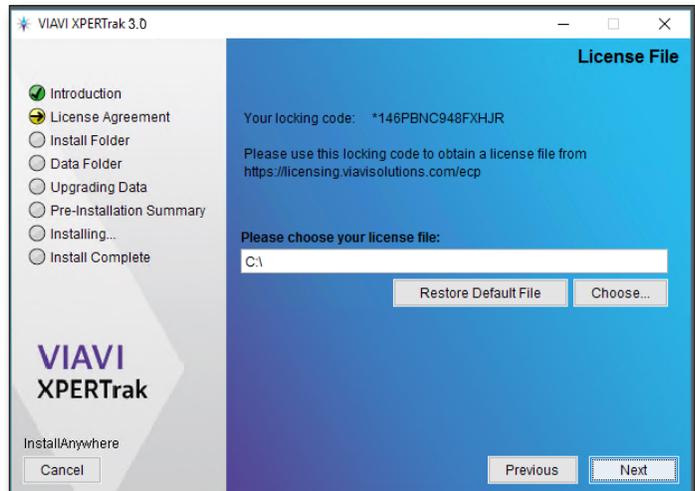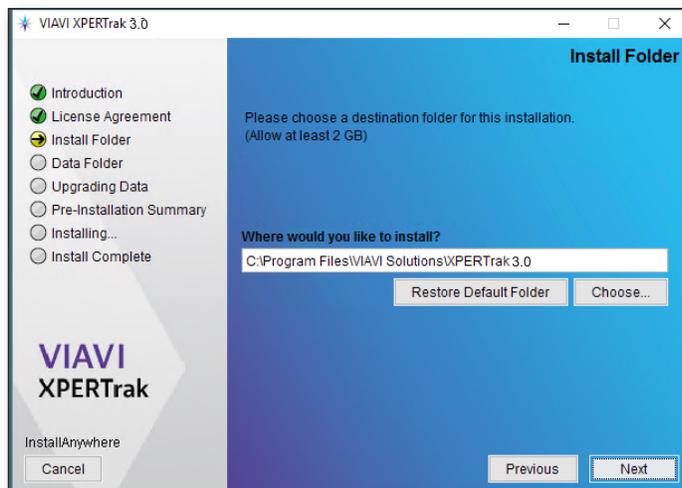
9. Select the license file and then select **Open**.

10. The **License File** screen should now update with the path to the file. Click **Next**.

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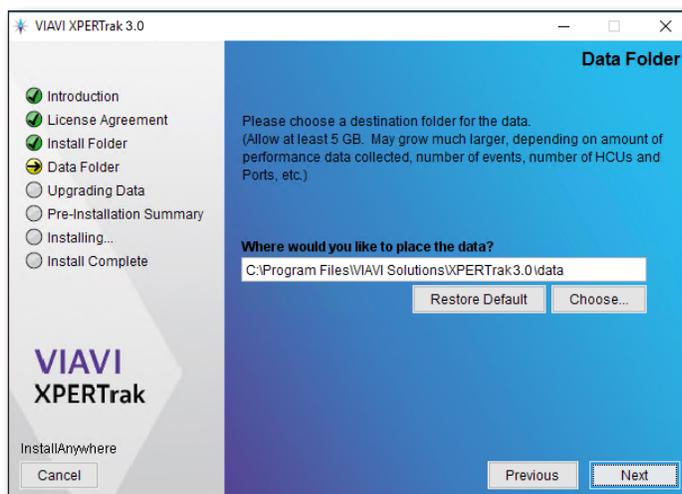11. The **Install Folder** screen displays the path where the XPERTrak files will install onto your server. Click **Next**.

12. The **Data Folder** screen displays the path where all the data is stored. Please first refer to the XPERTrak server specifications before selecting a path or drive.

    After a drive or path has been selected, click **Next**.

13. Review the **Pre-Installation Summary**, then click **Install**.
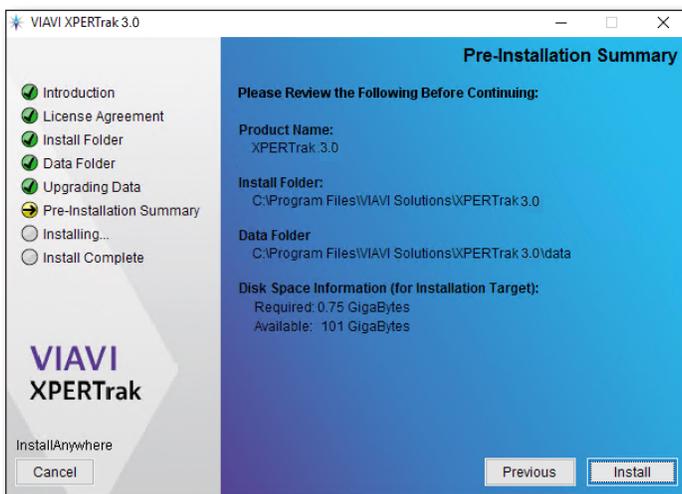
The installation process will begin. This may take some time due to significant updates to MYSQL, etc. **It is important that you do not stop the process.**
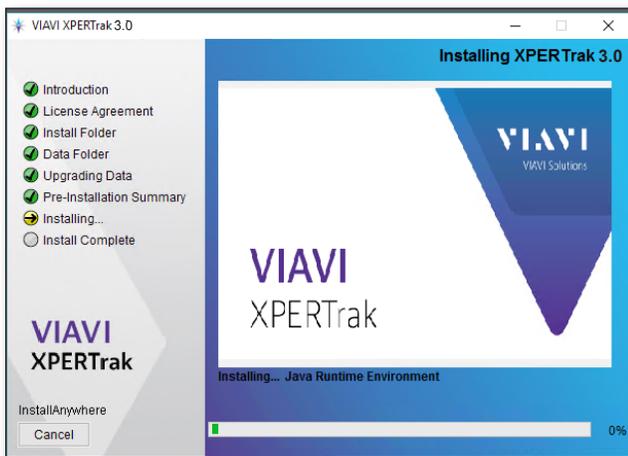
14. After the installation is complete, click **Done**.

    Congratulations, XPERTrak is now installed!
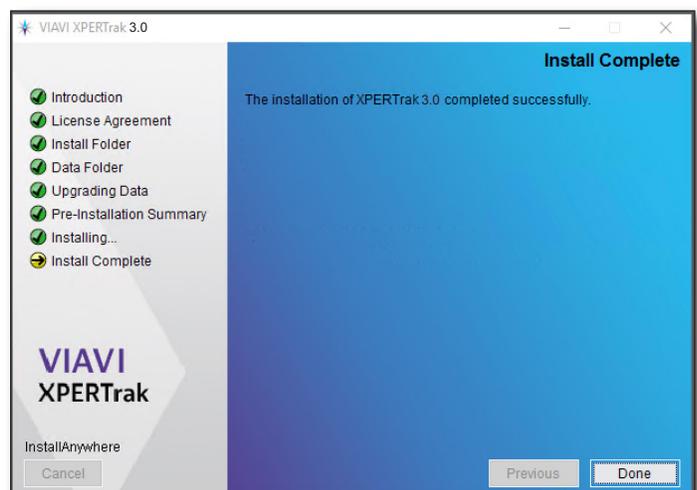
Logging in to XPERTrak

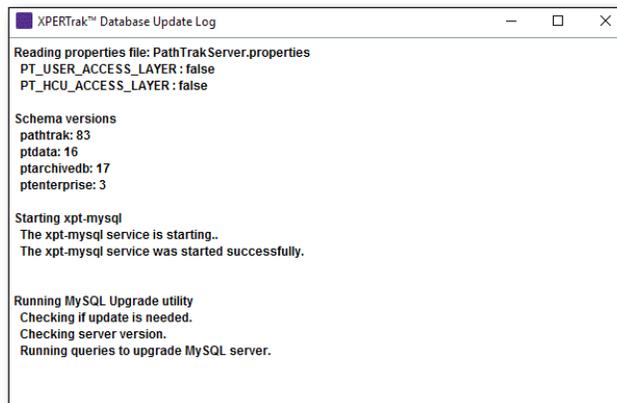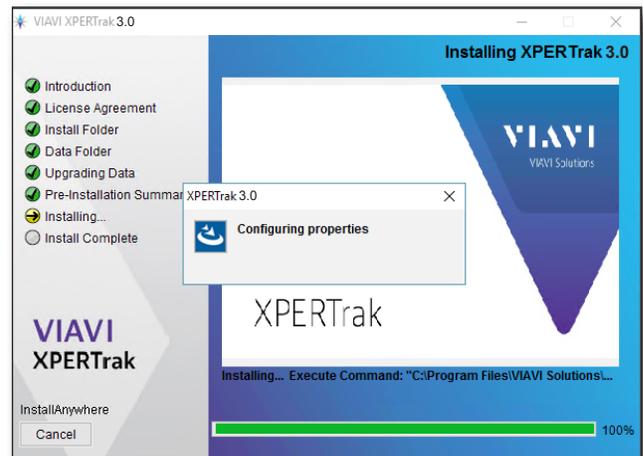To bring up the XPERTrak login screen from your browser, type the IP address or host name for your server and press return.

If you are not using the default web port of 80, the format is:

IP of server:port/pathtrak

Example: http://10.10.10.10:8082/pathtrak

Enter your Username and Password, then select the **Sign In** button.

The default login for a new install is:

User: admin

Password: admin

The XPERTrak **Main Dashboard** will be displayed.

XPERTrak Main Dashboard

Configuring the system

For detailed information on how to configure and manage your system, see *Chapter 13: Configuration* in the *User's Guide*.

To get you started, on the top right side of the screen, select the **Configuration** ⚙ menu from the Main toolbar, as shown here.
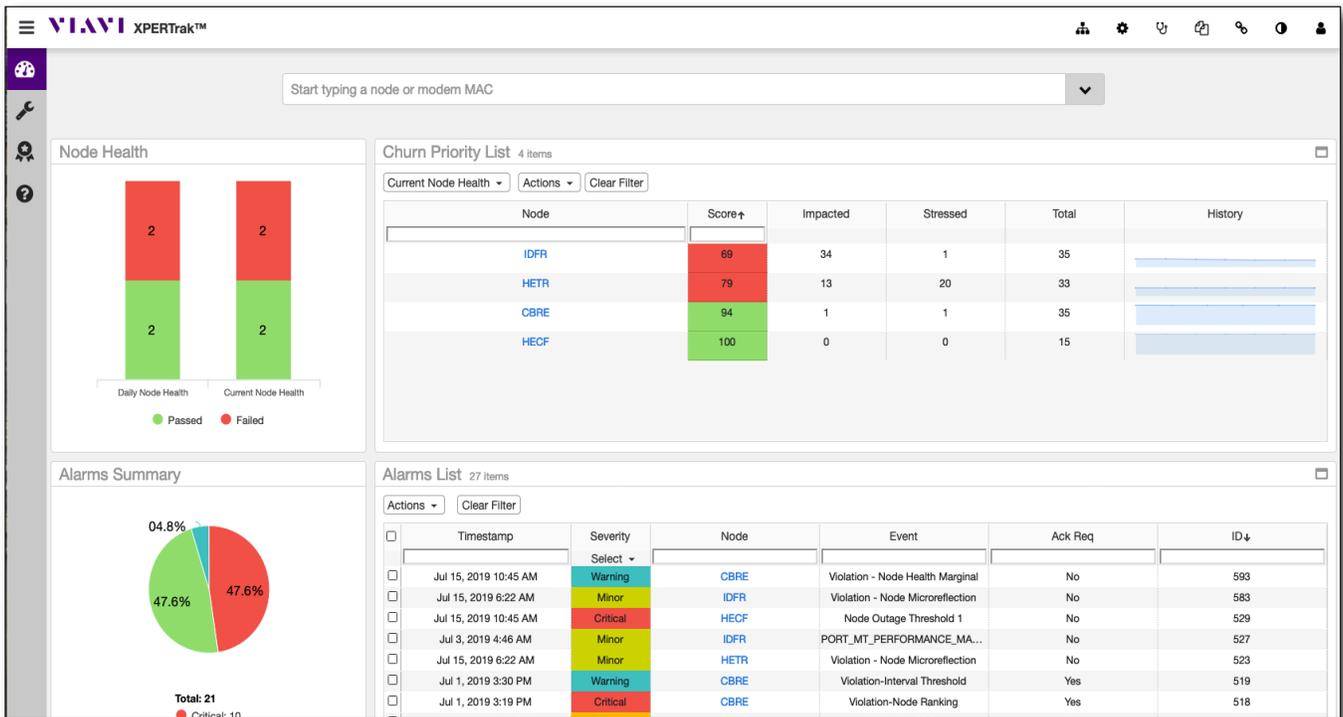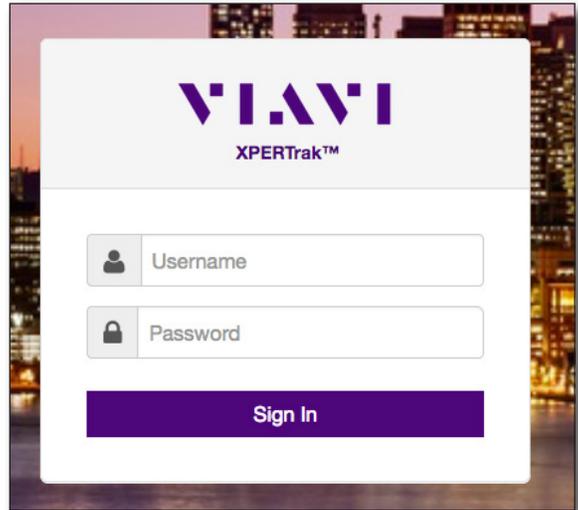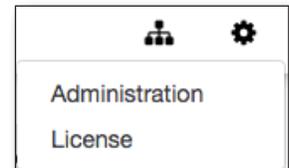
Configuration

From the dropdown, choose *Administration*. The **Administration** screen will open in a new tab, showing the Dashboard.

Administration panel

On the left side of the screen is the **Administration Panel.** For more information and to set up, see the individual sections of the chapter.

- **Dashboard** – A visual summary of the alarms and basic information of the HCUs and CMTS

- **Alarms** – Display of all alarms and configuration

- **HCU** – Management of the HCU, RPM, ports, and HSM

- **CMTS** – Management of the CMTS, nodes, and modems

- **RCI** – Management of the RCI and sweep plan

- **OTU** – Management of the OTU and ports

- **Containers** – Management of all containers and meta tags

- **Sites** – Management of all hardware sites

- **Enterprise** – Management of regions and systems

- **Users** – Management of users, roles, and access

- **Settings** – Management of system settings

- **Information** – Basic information of the server, license, diagnostics, and triggers
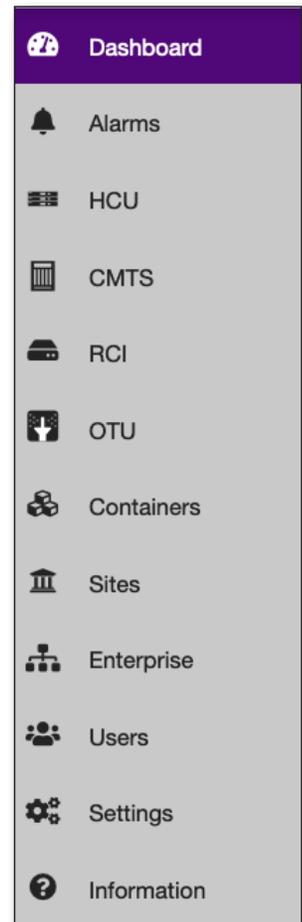
Licensing

Before you can set up or use any advanced features in XPERTrak (RCI, OTU, etc.), you may need to enter your licensing information.

Select **Information** and the **License Information tab** to get started.

See *Chapter 13: Configuration, Information* in the *User's Guide*.

Creating sites

Once you start configuring your XPERTrak system, one of the first things you'll want to do is create your site locations to differentiate them easily (North, South, Central, etc).

Select **Sites** to get started.

See *Chapter 13: Configuration, Sites* in the *User's Guide*.

Creating an enterprise

Next, you may want to set up an enterprise to manage configurations for the regions and systems inside the enterprise.

Select **Enterprise** to get started.

See *Chapter 13: Configuration, Enterprise* in the *User's Guide*.

Creating containers

Next you'll want to start building containers to put your network elements into (CMTSs, HCUs, HSMs, RPM cards, RPM ports, etc). Containers allow you to limit what users can access and what data is visible to them or their group.

Select **Containers** to get started.

See *Chapter 13: Configuration, Containers* in the *User's Guide*.

Adding a CMTS

Now that you have your sites and containers in place, you can add your CMTSs.

Select **CMTS** to get started.

See *Chapter 13: Configuration, CMTS* in the *User's Guide*.

Adding an HCU

Adding an HCU is a similar process to adding a CMTS.

Select **HCU** to get started.

See *Chapter 13: Configuration, Headend Controller Unit (HCU)* in the *User's Guide*.

Exporting system data

From the **Actions** dropdown on many of the Configuration sections, you can export the list or table of the device information to a CSV Excel file.

See *Chapter 13: Configuration* for each admin section in the *User's Guide*.

Upgrading firmware

Your XPERTrak server will periodically check for new firmware for any of the hardware. You should always make certain all of your PathTrak hardware has been updated with the latest firmware to ensure you have the latest fixes and patches, utilizing all of the most recent features and capabilities.

From the **Actions** dropdown in the **HCU** section, choose *Firmware Upgrade*.

See *Chapter 13: Configuration, Headend Controller Unit (HCU)* in the *User's Guide.*

Adding an RCI

Next you can add an RCI to configure remote PHY controllers and sweep plans.

Select **RCI** to get started.

See *Chapter 13: Configuration, RCI* in the *User's Guide*.

Adding an OTU

Next you can add an OTU to configure fiber monitoring and testing.

Select **OTU** to get started.

See *Chapter 13: Configuration, OTU* in the *User's Guide*.

Creating users and groups

Now that you have your entire system built in XPERTrak, you can start creating users, groups, and assign roles and access.

Select **Users** to get started.

See *Chapter 13: Configuration, Users* in the *User's Guide*. Creating users and groups

Editing properties

Select the edit button 🖉 to the right of the element name (Node, HCU, RCI, OTU, etc.). Edit the information as needed, and click the **Save** button.

See *Chapter 13: Configuration* for each admin section in the *User's Guide*.

Editing monitoring plans

You can edit and copy monitoring plans through the **Ports** tab of the **HCU** section.

From the **Actions** dropdown in the **HCU** section, choose *Copy or Edit Monitoring Plan*.

See *Chapter 13: Configuration, Headend Controller Unit (HCU)* in the *User's Guide.*

Configuring alarms

You can configure alarms based on when certain events are triggered. Devices you can configure for alarms include: HCUs, RPMs, HSMs, ports, CMTSs, nodes, network elements (amplifiers, splitters, taps), RCIs, CMTS upstream ports, OTUs, or OTU ports.

Select **Alarms** and the **Alams Configuration tab** to get started.

See *Chapter 13: Configuration, Alarms* in the *User's Guide*.

Importing topology and street alarms views

You can import plant topology and street alarm data to get the full picture of the health of your network via API and CSV formats. These features require the corresponding licensing.

See *Chapter 14: Appendix, Topology import* in the *User's Guide*.

Configuring system settings

Finally, you'll want to customize the XPERTrak system settings, defaults, and advanced features, including measurement units, language, map overlays, events, alarms, and thresholds.

Select **Settings** to get started.

See *Chapter 13: Configuration, Settings* in the *User's Guide*.

Running reports

For detailed information on how to create reports, see *Chapter 12: Reports* in the *User's Guide*.

You can run reports in XPERTrak for detailed analysis, including node ranking and modem summaries. Only admins have access to the feature.

To get you started, on the top right side of the screen, select the **Reports** menu from the Main toolbar, as shown below.
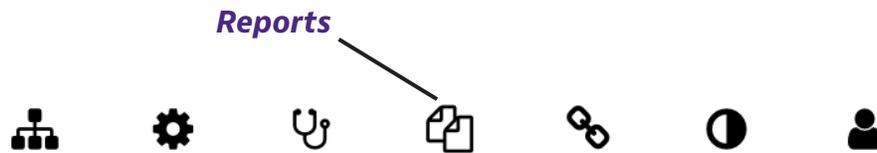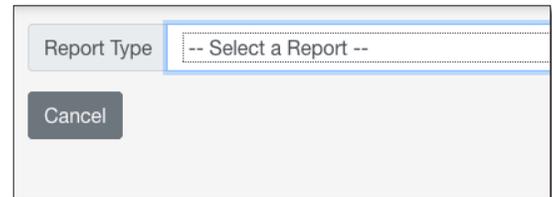
Reports

From the dropdown, choose *Reports*. The **Reports Dashboard** will open in a new tab.

You can also run pre-configured reports from here. See the *User's Guide* for more information.
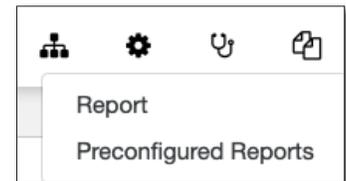
Select the **Generate Report** button on the right side to bring up the Report Type section.

Additional information

For more detailed information, contact us at **CATVsupport@viavisolutions.com** for these additional documents.

User's Guide

Application Notes

Software Release notes   (including system requirements and OIDs)

API Developer's Guide

RCI Software Installation Guide

Backup and Restore Processes

Server Configuration Instructions

Database Schema

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