



E2E PulsePAK 4.4.0

Release Notes

Date of Release

February 2019

Software Description

E2E PulsePAK is a software add-on for the GE PulseNET application that gives it new features and capabilities to monitor additional devices. GE PulseNET is used for monitoring devices in Industrial Communications Networks. For additional information, visit the [End 2 End Technologies Website](#).

System Requirements

- **Disk Space:** 10 GB or greater of available storage
- **Software:** Only compatible with **GE PulseNET Enterprise 4.4.0**

Features

The following device models can be monitored by E2E PulsePAK 4.4.0 (minimum firmware version in parentheses):

4RF Aprisa SR+ (1.9.0)

FreeWave HTPlus (2.22)

FreeWave Serial (with proxy)

Freewave WavePro

Freewave Zumlink (1.1.1)

Radwin Airmux

Sierra Wireless AirLink

Sierra Wireless Raven

New Features

- Support for Radwin Airmux devices [issue #s-2580]
- Change Management for 4RF Aprisa for Configuration changes and Firmware Management [issue #s-2655]
- Change Management for Freewave Zumlink for Configuration changes [issue #s-2655]

Fixed Issues

- Change label in PulsePAK for Radwin Hertz to GHz [issue #s-2835]
- Fixed Topology for 4RF devices [issue #s-2656]
- Validate platform version when installing PulsePAK (i.e. Installing 4.4 PulsePAK on a 4.3 PulseNET Enterprise fails) [issue #s-2601]

Known Issues

- NOTE: A complete configuration poll is required for the Freewave Zumlink topology views to be correct.

Installation Instructions

When all the system requirements are verified, you are ready to install. E2E PulsePAK does not have an executable or graphical installer and is installed as a GE MDS PulseNET Enterprise addon.

NOTE: During the E2E PulsePAK installation process, several core files are overwritten to allow for the inclusion of PAK features. In case of interruption, it is strongly recommended you first create a backup of the existing GE MDS PulseNET instance.

1. Shut down GE PulseNET and **backup the entire folder structure** to a safe location.
2. Restart GE PulseNET. **The E2E PulsePAK must be applied while GE PulseNET Enterprise is running.** Otherwise, a failed connection message will be displayed.

⚠ **WARNING:** E2E PulsePAK 4.4.0 requires a GE PulseNET restart and it will automatically occur as a part of the installation process.

3. Locate the **E2E PulsePAK installer file** on your computer and make note of the file path.
4. Open a Windows Command Prompt or Linux Terminal and move to the **GE_MDS PulseNET addon-install bin directory**.
5. Run the install command: `install <PulseNET dir> <PulsePak path>`

Example, if running on Windows:

```
cd c:\GE_MDS\PulseNET\addon-install\bin
install.bat C:\GE_MDS\PulseNET C:\Users\Admin\Downloads\pulsepak-4.3.pak
```

Example, if running on Linux:

```
cd /opt/GE_MDS/PulseNET/addon-install/bin
install.sh /opt/GE_MDS/PulseNET /home/admin/downloads/pulsepak-4.3.pak
```

6. During installation, you must ensure all GE PulseNET services are shut down.

If running on Windows:

- Open and monitor the **Task Manager** tool and navigate to the **Processes** tab to ensure all GE PulseNET services are shut down.
- If you identify a service still running, right-click the process, and select **End task** to terminate it. Alternatively, select the item and click the **End task** button in the bottom-right corner of the window.

If running on Linux:

- Type the following command: `ps -ef | grep jsvc`
- If you identify a service still running, type: `kill -9 <pid>`

7. Once the installation is complete, the validation message in the Windows Command Prompt or Linux Terminal will read **Installation completed successfully**.
8. You can now request a feature license for E2E PulsePAK 4.4.0.

Requesting a License

After installing the E2E PulsePAK, you must request a valid feature license. You can make this request within the GE PulseNET software.

To request a license:

1. In GE PulseNET, Navigate to **Administration > Licensing > Request a License**. A dialog box will appear.
2. Select **E2E-PulsePAK** from the dropdown list of Available Products.
3. In the **Contact Name** field, type the name of the person at your company who will be the contact.
4. In the **Access Code** field, type your access code. You can obtain your access code from your E2E Sales team.
5. The **Desired Capacity** field will be disabled.
6. In the **Comment** field, enter any comments that you have which would help the Licensing team fulfill your license request.
7. Click **Review and Download** to continue.
8. Review the information on the Confirmation Screen and click **Download**.
9. Locate and send the downloaded file to **support@e2etechinc.com**.
10. For more information, contact End 2 End Technologies' Support Department.

Adding the License

After you receive your feature license from E2E, you must add it to GE PulseNET.

To add a license:

1. Navigate to **Administration > Licensing > Add a License**.
2. In the dialog box that appears, click **Import License from File** to locate the license file on your computer (the file must be on the machine where the browser is running). You may also copy the license key from the file and paste it directly into the **License Key** field.
3. Click **Add License**. If the license is valid, it is added to GE PulseNET. Otherwise, you will receive a message stating that the license key is invalid. Contact the E2E Support team if this occurs.
4. You can now discover your devices in GE PulseNET.

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Modernize Your Wireless Networks

Communications networks are becoming increasingly complex and the management of those networks has become a crucial component for corporate success. Finding the right people to modernize and manage them is difficult, especially when trying to control capital expenses. It is often more cost-effective to outsource this

task to providers with the experience and resources to build and manage best in class wireless networks as a service. This approach can free existing staff for higher business value projects while minimizing up-front capital expenses and integration risks.

The End 2 End Difference

E2E Technologies offers a unique combination of wireless communications and information technology expertise. We improve efficiency, reduce risk and lower the cost of industrial field operations via modernization and management of our customer's wireless communications networks. From initial planning through lifecycle support we assist your team in adopting a wireless solution that keeps communication costs low while maximizing network reliability and performance.

Customer Benefits

We offer a complete line of point-to-point and point-to-multipoint wireless products and accessories. Our solutions use industry-leading wireless equipment by the top providers in the world. From wellhead monitoring to utility substation automation, this equipment is built for industrial environments and has been rated and tested under harsh conditions. Our products enable a broad spectrum of applications and protocols from SCADA and telemetry to full voice and video.

Customer Support

If you have problems, comments, or questions pertaining to the E2E PulsePAK application, please contact End 2 End Technologies via one of the methods below:

Telephone +1 651-964-1299

Email support@e2etechinc.com

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