RELEASE NOTE

Release Note

iQunet Software Versions 1.9.x

RELEASE NOTE

Update log

Version 1.9.25 – April 2023

Fixed issues

- The issue where the **Base Station** might become **unresponsive (grey color)** in network environments with multiple Base Stations, has been solved.

Version 1.9.24 – March 2023

Fixed issues

- The bug where using a **vibration threshold level** that is not in the accepted values list resulted in the sensor not acquiring any measurements, has been fixed.
- The issue where a Linux kernel upgrade **breaks UserLAnd apps** (like for example Hamachi) has been solved.

Version 1.9.23 – February 2023

Improvements

- All **calendars** (in the vibration lab, the statistics lab, and the anomaly monitor) are now updated in real time when browsing backwards or forwards in time.

Version 1.9.22 - February 2023

Improvements

- The speed of the **moving average QUAD filter calculation** has been improved.
- Due to the faster moving average calculation, the response times for **RMS values** will be better (in OPC UA as well as in graphs).

Version 1.9.21 - February 2023

Improvements

- The multithreaded **database access** has been optimized, improving startup speed.
- The speed at which **datetimes are parsed** when reading the database has been improved.

Version 1.9.20 – February 2023

Fixed issues

- The issue of incoming packets not being processed fast enough when downloading sensor data on **older/slower server hardware** (3B+ and earlier) has been fixed.
- The "**BadCertificateUseNotAllowed**" error in the latest UA Expert version (version 1.6.3) has been fixed. This fix requires a certificate reset. Please contact iQunet if your Server needs a certificate reset.

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Version 1.9.19 - February 2023

Improvements

- The iQunet software has been rebuilt with the **newest Debian operating system** (bullseye-slim).

Version 1.9.18 - January 2023

Fixed issues

- The compatibility issue between the new GLIBC 2.31 library and the **Hamachi VPN software** has been resolved.

Version 1.9.17 - December 2022

Improvements

- The **historical search speed** has been optimized to avoid slow server response times.

Version 1.9.16 - November 2022

Fixed issues

- The bug causing the **velocity Kurtosis levels** to be too high for low vibration levels has been solved.

Version 1.9.15 - October 2022

Improvements

- Ping has been removed and replaced by the optional **PersistentKeepalive** parameter in WireGuard. This parameter defaults to 57 seconds.
- The **PresharedKey** and the **ListenPort** parameter of the client are now optional in WireGuard.

Version 1.9.14 - October 2022

Improvements

- The iQunet system now supports the use of the **OnLogic Factor 201** industrial IOT computer hardware.

Version 1.9.13 - October 2022

Improvements

- Backward compatibility with **OPC-UA v1.03** for custom structs (Type Dictionary) has been included on the iQunet Server.

Fixed issues

- Anomaly models and data are now **synchronized** automatically to iQunet-CloudLink.

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Version 1.9.12 - September 2022

Fixed issues

- An issue in the **over-the-air (OTA) firmware updating** process has been fixed.

Version 1.9.11 - September 2022

Fixed issues

- The bug regarding the **vibration threshold levels** in the iQunet Sensor Dashboard has been fixed.

Version 1.9.10 - September 2022

Features

You can now:

> o Select a 1Hz or 2Hz **high pass filter** in the iQunet Sensor Dashboard.

Improvements

- The **queuing** of the sensor measurements has been optimized for speed.

Fixed issues

- The bug in the showing of the **USB disconnect symbol** for the iQunet Base Stations has been fixed.
- The race condition in the **FSM** has been fixed.

Version 1.9.9 - September 2022

Improvements

- The 4th order feed-forward comb DC filter has been improved for better **velocity calculation**.

Version 1.9.8 - September 2022

Improvements

- The outdated FTDI **USB driver** has been replaced with a modern user space version.

Version 1.9.7 - August 2022

Features

You can now:

> o Perform over-the-air (OTA) sensor **firmware updates**. The sensor will automatically restart after a successful install.

Improvements

- The **calibration factors** for the IEPE acceleration/current modules are more accurately calculated.

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Version 1.9.6 - August 2022

Features

You can now:

- o Set the **threshold** setting for vibration downloads to be calculated automatically based on the vibration data or set its value manually.

Version 1.9.5 - August 2022

Features

You can now:

- o Use the Sensor Dashboard in combination with two **new types of iQunet sensor devices**:
  - ▪ SERN-322-2244 (IEPE Piezoelectric Accelerometer), and
  - ▪ SERN-322-2344 (IEPE Current Clamp).

Version 1.9.4 - August 2022

Features

You can now:

- Add a **WireGuard VPN** connection to the iQunet Server.

Version 1.9.3 - August 2022

Fixed issues

- The bug causing the **hash table** to overflow when there are more than 50 active concurrent sensors in one network has been fixed.
- The bug caused by **OPC UA clients** using different continuation points has been fixed.
- The race condition where the **downloading of vibration arrays** may get stuck indefinitely, has been solved.

Version 1.9.2 - August 2022

Features

You can now:

- o Read out the **server software version** and the **server build number nodes** in OPC UA.

Version 1.9.1 - August 2022

Improvements

- Preparations have been made for the migration of the deprecated **graphene-django** to strawberry-graphql.

RELEASE NOTE

Version 1.9.0 - August 2022

Improvements

- The internally used **Python** has been upgraded to version 3.9.
- Support for **OPC UA version 1.05** has been added.

Related Documents

- iQunet 1.9.x Software User Manual-D1503-en-CUST-220905
- iQunet OPC UA User Manual-D1042-en-CUST-220906