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VeEX RTU-300 Firmware Software Updates User Guide

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VeEX RTU-300 Firmware Software
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RTU-300 Platform

Software Release Notes

RTU-300 Firmware/Software Updates

The RTU-300 test platform and its factory-installed modules (RTU-320/RTU-600x) constantly evolve to keep up with new applications and advanced capabilities. Go to www.veexinc.com to download the full upgrade packages to keep the test set and modules up to date. Refer to the last section of this document for software upgrade guide.

Software version 04.00.02   Sep 12, 2022

Release Scope:

Maintenance Release. General availability.

Requires ReVeal Probe Configuration Tool 1.5.0 or later.

RTU-300 is designed to operate in Standalone mode or in a centralized monitoring system such as VeSion. For VeSion implementation it requires:

- VeSion Server version 4.3.3.25070 or later,
- VeSion RTU-320 Server version 3.2.0.25070 or later,
- VeSion HTML5 version 7.0.9225 or later
- Test Scheduler Server 1.0.4.25070 or later
- GeoServer 2.0.0.475 (for compatibility with RTU-4000/4100)
- VeSion RTU410 4.3.0.25070 (for compatibility with RTU-4000/4100)

New features and improvements:

1. Alignment with VeSion Server and HTML5 Versions

Known issues or limitations:
a. No new significant issues to report

Software version 03.03.16 November 30, 2021

Release Scope:
Maintenance Release. General availability.
Requires ReVeal Probe Configuration Tool 1.4.8 or later.
RTU-300 is designed to operate in Standalone mode or in a centralized monitoring system such as VeSion. For VeSion implementation it requires:

- VeSion Server version 4.2.2.24546 or later,
- VeSion RTU-320 Server version 3.1.9.24546 or later,
- VeSion HTML5 version 7.0.6318 or later
- Test Scheduler Server 1.0.2.24546 or late

New features and improvements:
1. Fixed Option control bug

Known issues or limitations:
a. No new significant issues to report

Software version 03.03.14 September 10, 2021

Release Scope:
Formal Release. General availability.
Requires ReVeal Probe Configuration Tool 1.4.8 or later.
RTU-300 is designed to operate in Standalone mode or in a centralized monitoring system such as VeSion. For VeSion implementation it requires:

- VeSion Server version 4.2.2.24546 or later,
- VeSion RTU-320 Server version 3.1.9.24546 or later,
- VeSion HTML5 version 7.0.6318 or later
- Test Scheduler Server 1.0.2.24546 or later

New features and improvements:

1. Added R-Server support
2. Added DNS support

Known issues or limitations:
a. No new significant issues to report

Software version 03.03.13 January 27, 2021

Release Scope:

Formal Release. General availability.
Requires ReVeal Probe Configuration Tool 1.4.3 or later.
RTU-300 is designed to operate in Standalone mode or in a centralized monitoring system such as VeSion. For VeSion implementation it requires:

- VeSion Server version 4.2.0.23531 or later,
- VeSion RTU-320 Server version 3.1.8.23531 or later,
- VeSion HTML5 version 7.0.5518 or later
- Test Scheduler Server 1.0.0.23531 or later

New features and improvements:

1. Added support for new RTU-600x and RTU-320 module combination in a single RTU unit. This serves as a complete multi-service 64k to 100G hardware configuration, supporting up to three concurrent tests.

Known issues or limitations:
a. No new significant issues to report

Software version 03.03.10 — March 20, 2020

Release Scope:
Formal Release. General availability.

New features and improvements:
1. File is created for test port DNS lookup if it doesn't exist

Known issues or limitations:
a. No new significant issues to report

Software version 03.03.03 — June 5, 2019

Release Scope:
Formal Release. General availability.
New features and improvements:

1. Improved management port connectivity health check with its configured gateway. This ensures that remote connectivity is not lost
2. Improved web remote access
3. Improved web remote upgrades: software upgrade status is now displayed throughout the upgrade
4. Improved software image file integrity check during and after the upload to RTU, and before the upgrade is initiated
5. Bug fix: memory leakage over long term remote access and testing. The RTU would become inaccessible via remote access

Known issues or limitations:
a. No new significant issues to report

Release Scope:
Formal Release. General availability.

New features and improvements:

1. Web remote browser software upgrades are now supported
2. Web login page added with user configurable login credentials. User can edit or add new accounts tin the Web Remote Access "Account" tab. Default credentials are admin/veexinc
3. Operating System health monitor features are added to manage web control connectivity and monitor application status
4. Bug fix: The default gateway configured on the management was intermittently lost. This was causing remote connectivity issues, mainly when trying to access the RTU via a PC on a different IP network

Known issues or limitations:
a. No new significant issues to report

Release Scope:
Formal Release. General availability.

New features and improvements:

1. Application loading failures were reported. The issue has been fixed by issuing a hardware ECO along with additional software improvements
2. Remote connectivity improvements

Known issues or limitations:

a. Continue to monitor remote connectivity instability in different network environments

Release Scope:

Formal Release. General availability.

New features and improvements:
1. Added support for Probe Configuration Tool for better user-friendly software upgrades

Known issues or limitations:
a. Monitor remote connectivity to the management port. Remote control issues have been reported in certain network
environment. There are ongoing efforts to duplicate the issue in the lab

Release Scope:
Initial Release. General availability.

New features and improvements:

1. Dual Module support
2. Up to four 1G/10G Ethernet ports supported simultaneously for testing
3. Ethernet features supported: Throughput/Multiple Streams, RFC2544, Y.1564/V-SAM, RFC6349/V-PERF, and IP functionality

Known issues or limitations:
a. No new significant issues to report

References

Upgrading the RTU-300 Software via Web Remote Access/VNC (Standalone Mode)
Note: The Platform and Module SW upgrade process is intrusive, and any test will be interrupted; make sure to save any configuration or test results before proceeding.

Platform Upgrade

1. Download and unzip the required software from **https://www.veexinc.com/support/software**. Make sure to enter first 4 characters of the RTU-300/320/600 serial number to find the correct files.
2. The Platform SW (install_rtu_platform.sh file) has to be upgraded first followed by Module upgrade. However, if only the Module SW has to be upgraded, there is no need to upgrade the Platform.
3. Click Platform Upgrade under the Web Remote Access option.
4. Browse the software image file by clicking the select file button.
5. Click upload button to send the file to the RTU-300.

6. Once the upload process is completed and file verification is successful, click upgrade button.
7. Users will be asked to confirm if the upgrade procedure should continue, as a reboot will be performed during the upgrading process.
8. When the upgrade process has been completed, log back in to the RTU-300 and verify that the Platform software version was updated on the home screen.

Module Upgrade

1. Download and unzip the required software from https://www.veexinc.com/support/software. Make sure to enter first 4 characters of the RTU-300/320/600 serial number to find the correct files.
2. The Module SW (install_rtu300_rtu320.sh for RTU-320 or install_rtu300_600x.sh for RTU-600x) has to be upgraded after the Platform SW upgrade completed.
3. Click Module Upgrade under the Web Remote Access option.
4. Browse the software image file by clicking the select file button.
5. Click upload button to send the file to the RTU Module.
6. Once the upload process is completed and file verification is successful, click upgrade button.
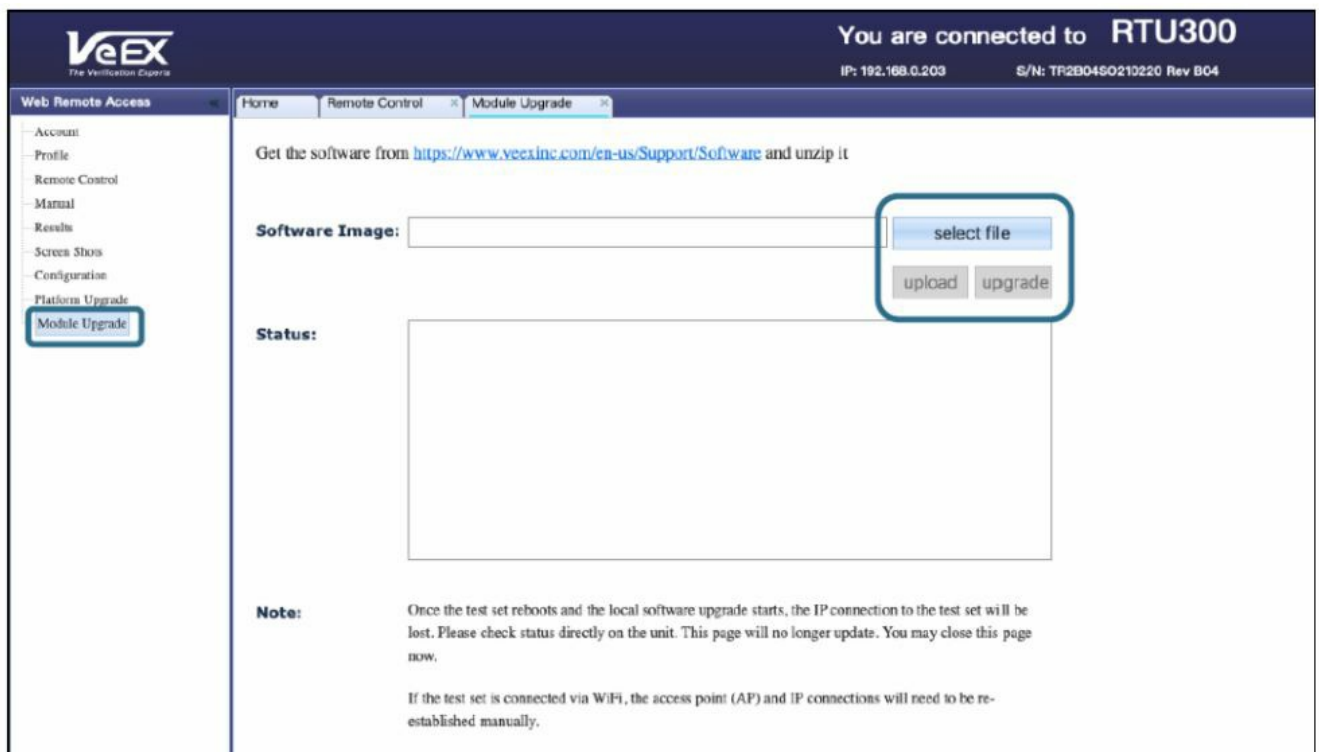
7. Users will be asked to confirm if the upgrade procedure should continue, as a reboot will be performed during the upgrading process.

8. When the upgrade process has been completed, log back in to the RTU-300 and verify that the Module software version was updated on the home screen.

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Contents

Documents / Resources

References

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