

Vertiv™ Trellis™ Real-Time Infrastructure Optimization Platform

Release Notes

VERSION 5.1.7, FEBRUARY 2022

Release Notes Section Outline

1. Overview
2. General Notes and Compatibility Information
3. Upgrading the Platform
4. Known Issues

1. Overview

IMPORTANT NOTE: Vertiv has elected to move the Trellis™ real-time infrastructure optimization platform into an End of Life model with no further development. Customers are encouraged to contact their sales representative for additional information; some support services are limited.

Trellis™ real-time infrastructure optimization platform version 5.1 is a minor release including several new features, bug fixes and enhancements to the user interface and general platform performance. Version 5.1.7 is a patch-level release including multiple bug fixes and security improvements. This upgrade is recommended for all Trellis™ platform customers using version 5.0.3 - 5.1.

FEATURE	DESCRIPTION
USER INTERFACE (UI) AND EXPERIENCE FEATURES	
Extensive UI/UX Refinements	Simpler, more intuitive, cleaner UI/UX. Includes removal of Flash from 2D view as well as new improvements and features related to connection management.
Trellis™ Platform Smart Forms	Object type specific detail pages and property panels. Shows meaningful data based on the object selected.
Additional Data-Driven Widgets	New dashboard widgets to provide more usability and configurability.
UDP Enhancements	New user-defined properties for lists and URLs.
Trellis™ Platform Guided Monitoring	Quickly and simply enable monitoring for multiple devices of the same make and model in one simple, guided dialog box.
Bulk Monitored Data Point Edit	Change monitored data points across all devices of the same make and model en masse.
Trellis™ Platform Templates	Create a preconfigured group of symbols to simplify deployment of commonly used configurations.
PLATFORM FEATURES	
Authentication Enhancement	Retirement of Oracle Directory Services removes long standing challenges dealing with Active Directory and SSO tools.
Security	Includes the latest updates and patches available.
Platform Support	Support for RHEL through 7.9 and CentOS through 7.8. Windows support now to 2016.

Resolved Issues

- Corrected the following issues related to the Datapoints Tabular widget:
 - Corrected displayed datapoints after changing the device and selecting new datapoints.
 - The Save button is disabled if the 20 datapoint limit is exceeded.
- Corrected the following issue related to 2D View:
 - Corrected failure to render if a device with a child card mounted in device is unplaced.
- Applied Oracle CPU Patches Q4 2021.

2. General Notes and Compatibility Information

For more information and detailed instructions on using the *Trellis™* platform, visit <https://www.vertiv.com/en-us/products-catalog/monitoring-control-and-management/software/trellis-enterprise-solutions/> for accompanying user documentation. Select the *Documents & Downloads* tab from that link location to access documentation options. Demonstration videos of version 5.1 platform features may be accessed at the following link: <https://vimeo.com/user/27320466/folder/5078106>.

Trellis™ Intelligence Engine and Avocent® Universal Management Gateway Compatibility

Version 5.1 of the *Trellis™* platform supports *Trellis™* Intelligence Engine version 5.1.0.20+, as well as the Vertiv™ Avocent® Universal Management Gateway appliance firmware version 4.4.0.15, containing the embedded *Trellis™* Intelligence Engine version 5.1.0.22.

Operating System Compatibility

The *Trellis™* platform version 5.1 release supports the following Operating Systems (OS):

- Red Hat Enterprise Linux
 - Tested on 6.10 and 7.6
 - Supported on 6.8 – 6.10 and 7.3 – 7.9
- CentOS
 - Tested on 7.6
 - Supported on 7.5 – 7.8
- Microsoft Windows
 - Tested and supported Server 2012 (upgrades only)
 - Tested and supported on Server 2016 (new installations only)

NOTE: Migrations from Windows 2012 to 2016 require engagement with Professional Services. Contact your Vertiv representative for more information.

Browser Compatibility

Supported browsers include Microsoft Edge (42.17134.1.0 or later), Chrome (72.0.3626.109 or later) and Firefox (65.0.1 or later).

3D Portfolio Rendering Check

With *Trellis™* platform versions 5.1.5 and later releases, the software checks for minimum 3D performance and support when the 3D Portfolio is loaded. A message appears on a user's system if it is lower than the recommended specifications. When minimum specifications are not met, rendering may be slow, or even not possible. Users will receive the following system messages:

- A warning message in 3D view if the workstation does not meet minimum hardware requirements
- A warning message if the image performance (frames per second) is too low (3D view provides dynamic image quality)
- A failure message if 3D view is unable to initialize due to either browser policy or lack of WebGL support

Data and Time Formats in Bulk Data Processing Sheets

When providing date or date-time data for UDPs in bulk data processing sheets, the cell must be type text and supported formats are:

- **For date:** MM/dd/yyyy
- **For date-time:** MM/dd/yyyy hh:mm:ss a

3. Upgrading the Platform

Prior to upgrading the *Trellis*™ platform to version 5.1.7, please refer to the *Trellis*™ Real-Time Infrastructure Optimization Platform Administrator Guide for Linux or Windows. **NOTE: If your organization has a configured business process using workflow or other non-standard platform configurations, it is recommended that you contact your account manager or salesperson before considering a *Trellis*™ platform upgrade.**

NOTE: The *Trellis*™ platform software version 5.1.7 can be applied only to version 5.1.6. Customers must upgrade to 5.1.6 before proceeding.

NOTE: If you are upgrading from version 4.0.3 or earlier, do not attempt to upgrade without contacting your account manager first.

NOTE: If your organization uses the tenancy features, a post upgrade procedure is required to avoid an issue related to connection management. Contact Technical Support for more information.

NOTE: If you are planning a self-upgrade, it is recommended that you open a case with Technical Support so Vertiv can assist with the preparation.

4. Known Issues

- A restart of the *Trellis*™ platform on the front server is required to correctly display connection status in the one-line diagram after adding monitored devices to the one-line diagram or modifying the Power Expression used to determine the connection state.
- Filtering by subject in the Event Viewer may not display more than 140 events without a refresh.
- Cannot connect to Hyper-V running on Windows 2012 platform.
- Recursive Tenant Assignment is available only for single tenant selection. Although the option is available for multiple tenants, functionality is not supported.
- Floor properties cannot be updated when altitude is entered in centimeters.
- One Line Diagram displays incorrect designed capacity as measured for Floor UPS.
- Available rack units on a rack are incorrect when devices are moved after tenant assignment.
- Tenant receives alarm notifications when devices are unassigned to tenant.
- During a drag and drop of a device in graphical view, the tool tip shows the X and Y coordinates in inches rather than the selected UOM configured. External users cannot receive alarm notifications individually, only via a Distribution List configured in the mapped user groups.
- When an external group with previously assigned *Trellis*™ platform Administrator permissions loses its permissions, the navigation links remain visible but non-functional.
- Tenancy users will encounter issues managing connections in the Portfolio. A post upgrade procedure is available through Technical Support to address the problem.
- Device creation using templates is currently limited for very large racks (500+ devices, for example) so that only three can be concurrently related.
- When filtering results by “Server”, server blades may be displayed in some cases.
- In some cases, one cannot move a Low Voltage Breaker to a Generic Switchgear, but can add the same Low Voltage Breaker from the Catalog.
- In some cases, the number of blade slot chassis remaining may be incorrectly reported.