NV9000 Web Suite v3.1

Browser application for viewing NV9000 data

Release Notes

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Introducing Web Suite for NV9000 v3.1

The Web Suite software tool provides a real-time overview of your routing statuses. It can track statuses of up to 2,048 destinations over 32 levels. Based on HTML-5, Web Suite can be run on any compliant browser, which makes it very convenient for troubleshooting over your mobile devices or from anywhere with simple network access. Web Suite is the perfect tool to monitor your complex routing system with tie-lines and resource management (DHP) functionality. An operation extension of the software allow efficient multi-level bulk routing with the ability to save and recall subset of the router crosspoint configuration via salvo mode.

This document lists cumulative changes to the Web Suite for NV9000 software version 3.1. This software install the Web Suite Server onto your computer.

Note: It is not advisable to install the Web Suite server onto your NV9000 or NV920 Hardware.

New Features

GWT-376: Added Destination Quick Filters for Bulk Routing

Up to 10 preset Destination Quick Filters can be added to the Bulk Routing page allowing you to rapidly switch between predefined destination filters. Quick Filters are added by typing text into the Destination Quick Filter text box and pressing the "Add" button on the Bulk Routing Preferences panel. The Destination Quick Filters are specific to the current user and associated with the specific Bulk Routing page.

GWT-369: Enhanced the Snapshot Fire status and failure notification

When requesting a snapshot be fired, a dialog now displays the progress of the fire process. If failures occur, an error message is displayed. Clicking the Close/Refresh button, closes the dialog and the table is updated with the most current status. If you would like to recall specific failure information, use the Logs panel and filter by "Take Socket". Additionally, the time it takes to fire a snapshot has been reduced by about 50%.

Improvements

GWT-378: Web Suite is now compatible with NV9000 on Windows 10

Web Suite v3.1 can now status the NV9000 running on the 64-bit, Windows 10 operating system.

GWT-377: Enhanced the notification of failures when performing single takes

If a failure occurs on a multi-level take, such as copy/paste or table selection take, an information dialog appears and displays the level and error description. If a failure occurs on a device, then only take information about the failure is displayed, not the specific level. The dialog does not interrupt user tasks and disappears once you click away from the dialog. Failures can be recovered by using the Log Panel and filtering for "Take Socket".

GWT-373: Reduced CPU usage during Snapshot Fire

The server subscribes to the NV9000 for notifications regarding crosspoint changes. A fix to the Web Suite server now allows those messages to be ignored until the Snapshot Fire has been completed. This drastically reduces CPU usage during a Snapshot Fire and improves stability during the process.

GWT-368: Improved the performance of the dynamic update of data in Web Suite

When a data reload performed, a red warning label now appears on the Bulk Take Panel instead of the Server Data Reload notification window. This resolves the issue where the Web Suite was not accessible during data reload.

When the client side receives notification that all of the new data is ready, the web page is refreshed and the most current data is displayed. Also, the amount of time it takes the Web Suite Server to process a dynamic update has been reduced from about 2 minutes to about 30-45 seconds.

GWT-367: Improved handling of dynamic updates and configuration changes

Previous versions of Web Suite locked users out of the display during changes to the NV9000 configuration for almost two minutes. Fixes in the server have now reduced the time it takes to reload the data into the server and prevents the need to lock users out. During a configuration change, users now receive a notification of the connection to the NV9000, as well as notification when the Web Suite server is reloading initial configuration data from a dynamic update.

GWT-364: Improved the transmission performance during Snapshot operations

Snapshots are now stored on the server and only transmitted to the web browser during preview, capture, or firing operations. This change prevents congestion in the web browser, which has reduced memory use by almost 60% and reduced CPU use during all Snapshot operations.

GWT-360: Added auto-suggestion functionality to Destination and Source filtering

As you type in the filter text box, a new auto-suggestion mechanism displays possible entries that begin with the text being typed. The Possible Choices label also displays the number of possible entries that contain the specified text. It is possible that no suggestions are displayed, but when filtering occurs there may be sources or destinations that contain the desired text.

Fixes

GWT-338: Use of pagination improves page load time

Page load time has been reduced by giving the customer the ability to determine the number of destinations that should be rendered on the Bulk Take Page. By setting number of destinations to a lower number it will change how long it takes for the page to load, refresh, and also the overall responsiveness of the page. The adjustment can be found on the Bulk Take Panel Sidebar. The number of destinations is limited to increments of ten from 20 to 5000 destinations.

Suggested number of destinations for a modern CPU is less than 500 destinations per page. Fewer destinations will result in increased page refresh times.

Contact Us

For technical assistance, contact our international support center at 1-800-547-8949 (US and Canada) or +1 530 478 4148.

To obtain a local phone number for the support center nearest you, please consult the Contact Us section of Grass Valley's Web site (www.grassvalley.com).

An online form for e-mail contact is also available from the website.

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