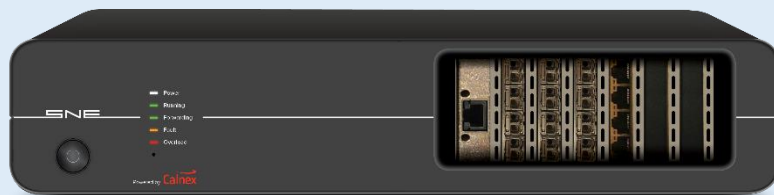




SNE

Web UI Release 11.0



SNE v11.0 Release

Web UI Enhancements

- Added the following map nodes:
 - Merge Point
 - Input Switch
 - Output Switch
 - Bit Error Rate
 - MPEG Video
 - Sink Hole
 - Burst Packets
 - Duplicator
 - Fragmentor
 - Packet Modifier
 - Reorder
 - DiffServ Filter
 - Payload Filter
 - IP Protocol Filter
 - MAC Address Filter
 - MPLS Filter
 - Packet Count Filter
 - RTP / MPEG Filter
 - TCP Server Generator
 - Packet Count Graph
 - Inter Packet Gap Graph
- Other map functionality:
 - Link animations now display packet throughput rate
 - Supplied map templates
 - Integrated help system
 - Node statistics display
 - Updated node icons
- Added the following system functionality
 - Run map on startup
 - File Management:
 - Pcap files upload / download
 - Map file import / export
 - Map conversion from SNE v7.0 GUI (via .map file)
 - HTTPS support
- Remote Control API:
 - Support for all new map nodes
 - Added StopAsync and Status endpoints (for maps with large delays)

7.x Features not included in this Web UI release

- Wireshark
- Timeline automation
- Virtual Routing
- SNMP traps
- PTP synchronisation

Web UI Firmware Upgrade Procedure

- Do not power off the SNE during the upgrade process
- Ensure that all maps are stopped
- Download the latest firmware .pck file
- Open a web browser
- Navigate to the IP address of the SNE (http://<ip_address>:8080) to access the firmware upgrader*
- Click *Select File*
- Select the firmware file “calnex-sne-release-11.0.0.xx.pck”
- Click *Update*
- Once the unit completes the update and reboots, navigate to the IP address of the SNE (http://<ip_address>) to access the new user interface

*If upgrading from 7.x, the firmware upgrader is located at http://<ip_address>

7.x to Web UI Map Migration Procedure

In the Web UI, maps are now stored on the instrument. This enables them to be accessed from any location on any browser.

Any maps created in 7.x (or earlier) must be migrated before they can be used. This is achieved as follows:

- In the (7.x) GUI client, select the map to migrate from the “Device / Map navigation” panel.
- Right click and select “Save map to disk”
- In the “Save As” dialog, select an appropriate location and name then select “Save”.
- Open a browser and connect to the instrument (upgraded to 11.0) at http://<ip_address>
- Select “System” | “File Management”
- Select the “Map Files” tab
- Select “Upload files”
- In the “Upload file” dialog browse to the location where the map file was previously saved, select the file, and then select Open.
- On successful import, the map will appear in the “User Maps” list in Maps.
- If any warnings or errors occur during the import a conversion report will be displayed containing any relevant information.

- Notes:
 - GUI maps containing unsupported functionality are not supported via import
 - **Maps must be exported from GUI client 7.x.** Earlier clients are not supported

Known Issues

1. On Safari if more than one map tab is open the map background goes black and node icons disappear when they are hovered over. Workaround: Only open 1 map tab at a time. Refresh the page to clear the issues after closing extra tabs. Use another browser type.
2. The percentage complete displayed on a traffic replay node is incorrect if the pcap file being used is not full (if the pcap comes from a traffic capture node and the allocated memory is not all used).
3. Packet Reorder by distance does not reorder the correct number of packets when the packet rate is lower than 1,000,000 packets per second.
4. Opening a map too quickly after reboot can cause odd behaviour. Workaround: Allow time for instrument to fully boot and close any toaster messages before working on a map.
5. Multi-browser map tabs getting out of sync while one map has unsaved local topology changes. Workaround: Browser refresh.
6. Impairment nodes sometimes need to be clicked more than once before the mouse click has been registered.
7. If a delay is updated on a running map and is given too high a delay value for its speed, it will not notify the end user and may end up in an unknown state.
8. Jitter Impairment reports incorrect packet utilisation.
9. Downgrading from 11.x back to 7.x does not report the upgrade has taken place and finished successfully.
10. There is currently no facility to delete users or edit usernames. This will be addressed in the next release.