

Release Notes

Scope

Recommended for all Sensys Networks customers interested in the features incorporated in the SncLog addon 4.2.0 release.

The Sensys Networks Communications Logger (SncLog) addon is an external addon that can be installed on the FlexControl Module or FlexControl Card (APCC) gateway. This addon is not available for the FlexAP gateway. The SncLog addon records the Sensys Networks sensors detection data to local thumb drive archival devices directly connected to the FlexControl Module or Card. Daily archive files for both “snclog” and “eventproxy” formats are recorded, providing a complete archive for all sensor activity on the system. This is particularly useful when the gateways are not connected to a SNAPS server. The data can be processed offline for traffic statistics and system diagnostics.

The SncLog addon 4.2.0 release requires the VDS release v4.2.2 or later installed on the FlexControl Module or Card.

Additional details regarding the SncLog addon will be available as part of the Set Up & Operating Guide – TrafficDOT on the company website.

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VDS240 Wireless Vehicle Detection System SncLog v4.2.0

Operating the Addon

1. Acquiring the Software Package

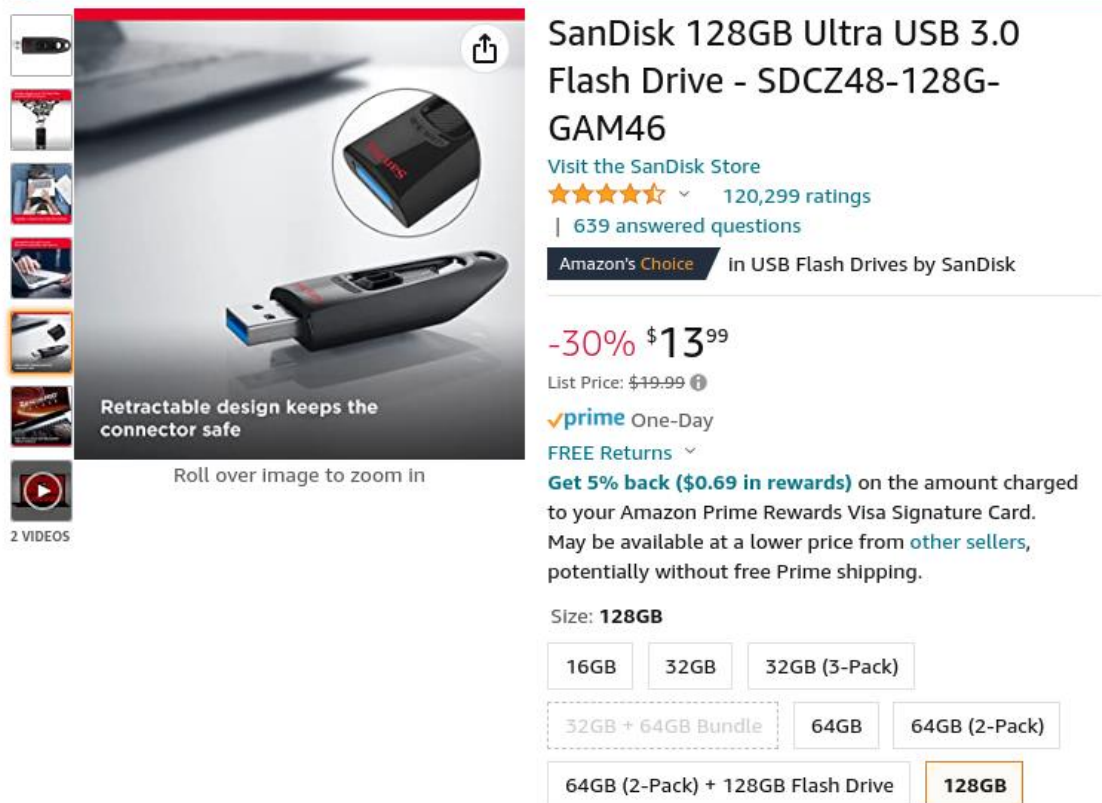
Please contact Sensys Technical Support for assistance acquiring and/or installing the SncLog addon

2. Acquiring the Archival Thumb Drive

Sensys recommends the following (as of October 2022):

SanDisk 128GB Ultra USB 3.0 Flash Drive – SDCZ48-128G-GAM46, available in the U.S. via Amazon.com

The USB drive must be formatted for the Linux ext4 filesystem. This will require access to a Linux computer with a disk partition manager. Standard windows formats (MSDOS/VFAT/FAT32/NTFS) are not yet supported for use with the SncLog Addon.

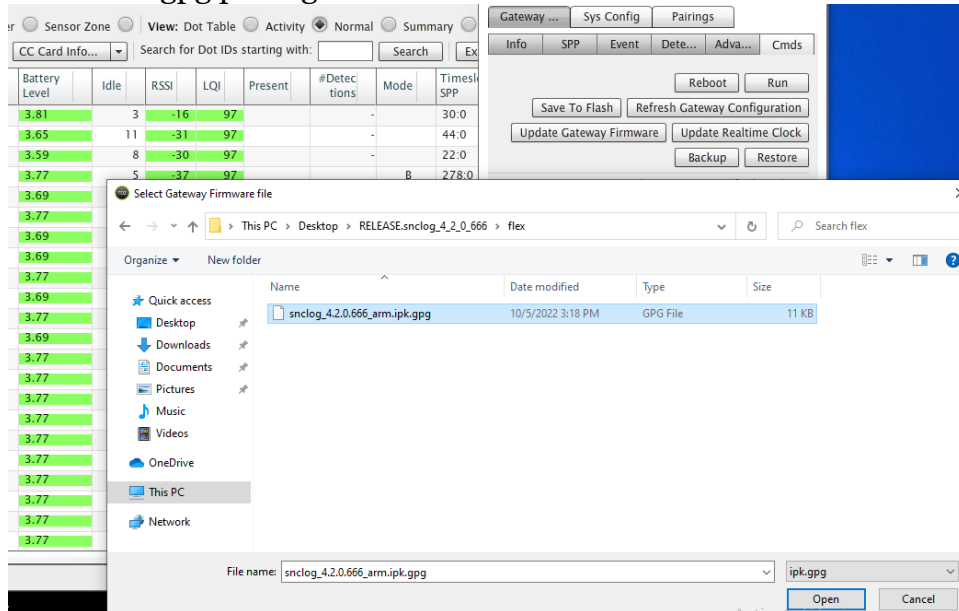


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3. Update Gateway Firmware with SncLog addon
 - a. Gateway->Cmds->Update Gateway Firmware
 - b. Select the .gpg package



- c. Reboot the FlexControl Module or Card. **NOTE: The actual installation of SncLog addon firmware occurs on the reboot of the system after code upload!**

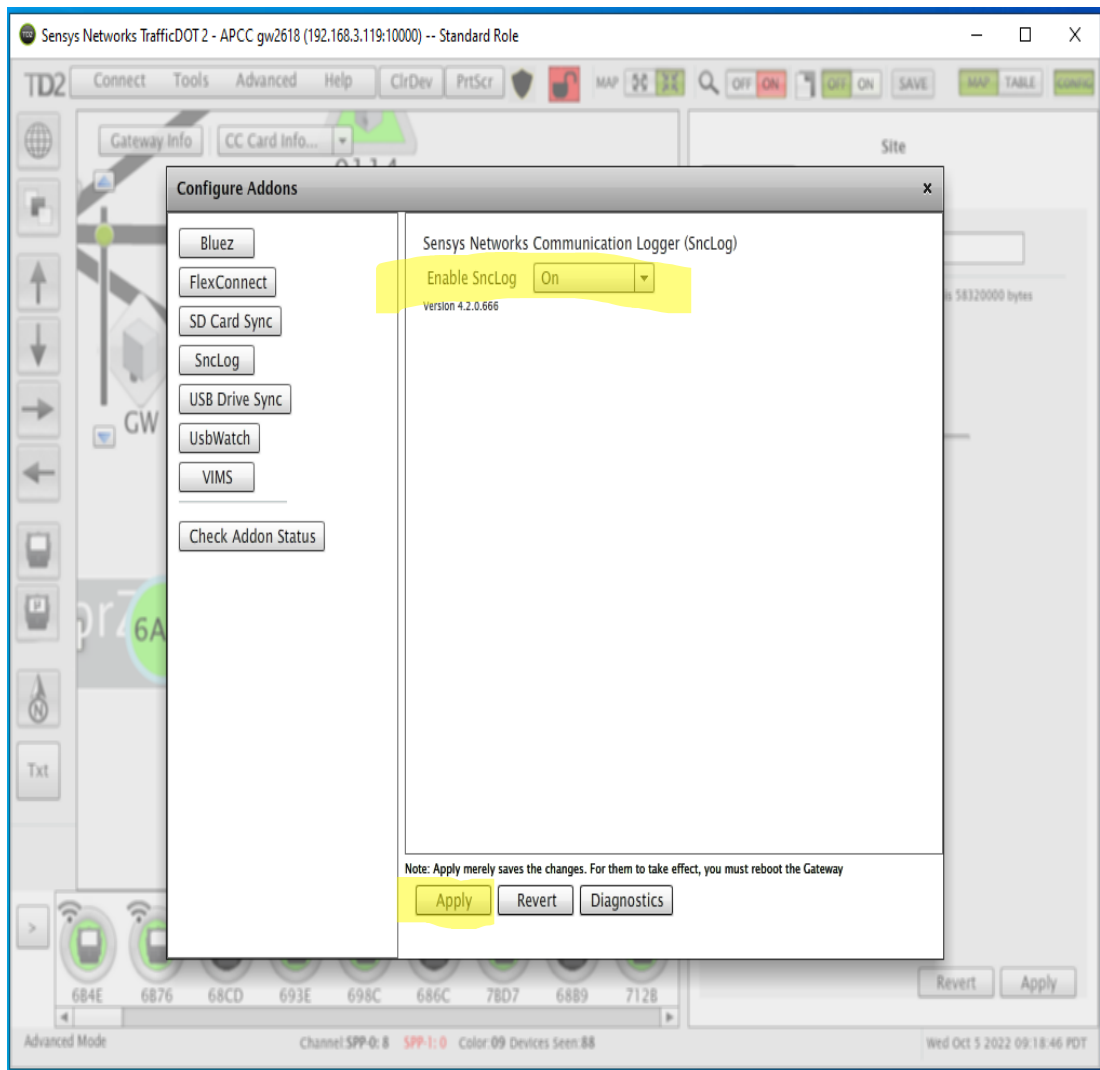
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4. Enable the Addon
 - a. Once rebooted, the Addon must be turned On.
 - b. Tools->Addons->SncLog exposes the “Enable SncLog Option”



- c. Insert the ext4 formatted thumb drive into the FlexControl's USB Port.
- d. Reboot the FlexControl Module or Card.

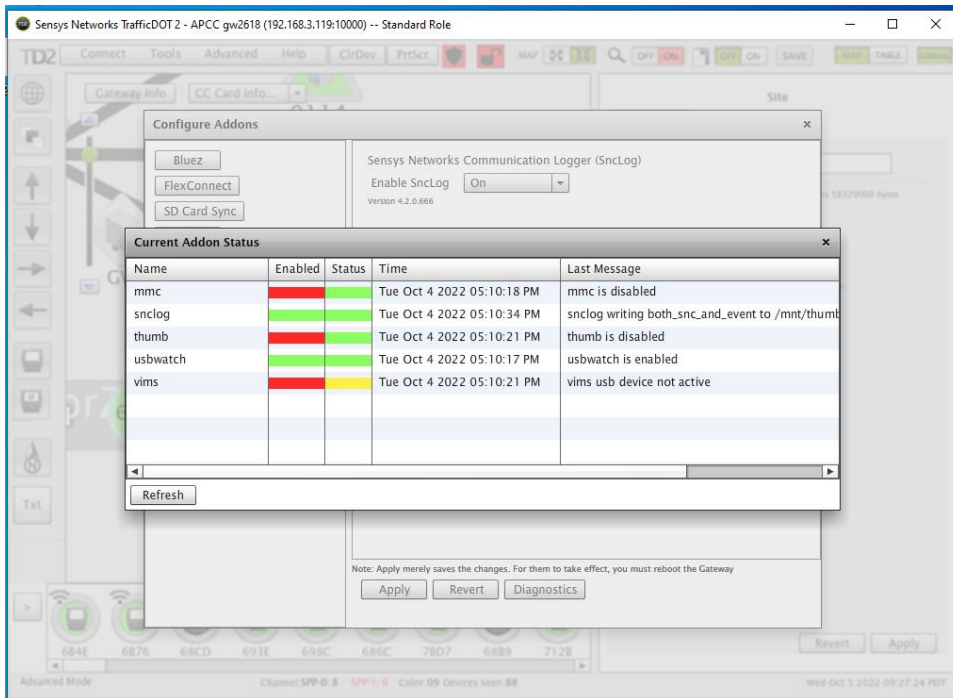
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5. Running the Addon

- a. Confirmation of Operation: Select Tools->Addons ->Check Addon Status. The snclog should show both *Enabled* and *Status* bars as green



NOTE: There exist other Sensys Addons which may adversely interact with the SncLog Addon. It is therefore important to check the other Addon Configurations to ensure smooth operation.

- **USB Drive Sync:** It is best to turn this addon “Off” to avoid conflicts over the USB Thumb Drive.
- **USBWatch:** USBWatch has the task of restarting unresponsive USB devices. Assuming the Thumb Drive is in good health, it is recommended to set the USB Port used by the Thumb Drive to the “On” IF the Enable USB Watcher is set to “On”
- **VIMS:** It is best to turn VIMS “Off”.

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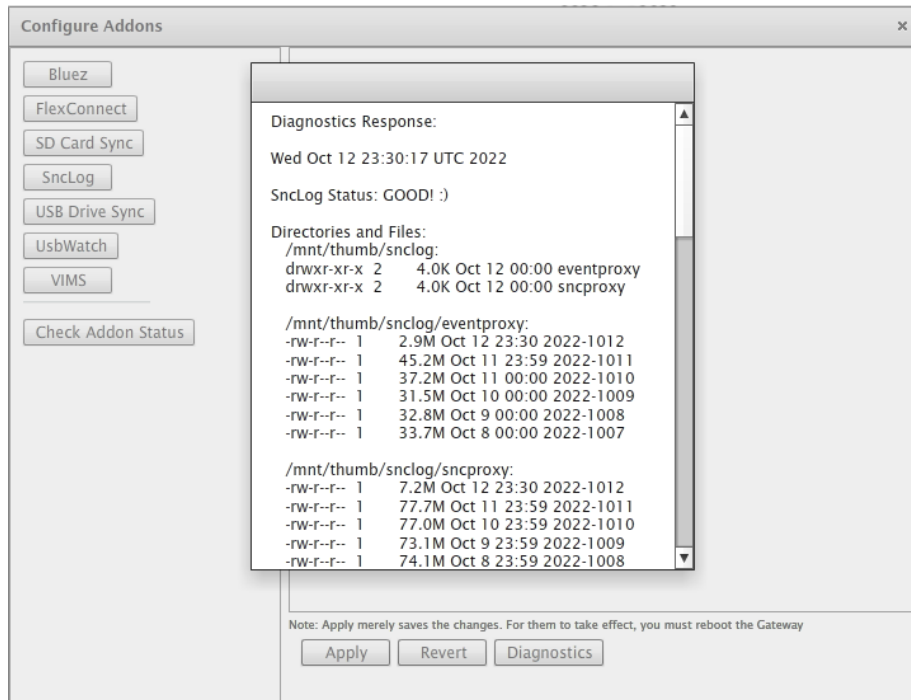
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Diagnostics

The diagnostic window provides the status of the SncLog addon operation, a listing of the daily log files in the “eventproxy” and “sncproxy” directories, and additional checks used to assess the system health.

The “Copy to Clipboard” option at the bottom of the diagnostic window (available in TD2.16.8 onwards) allows the diagnostic information to be copied and pasted in another applications (Notepad, MSWord, Email, etc.)



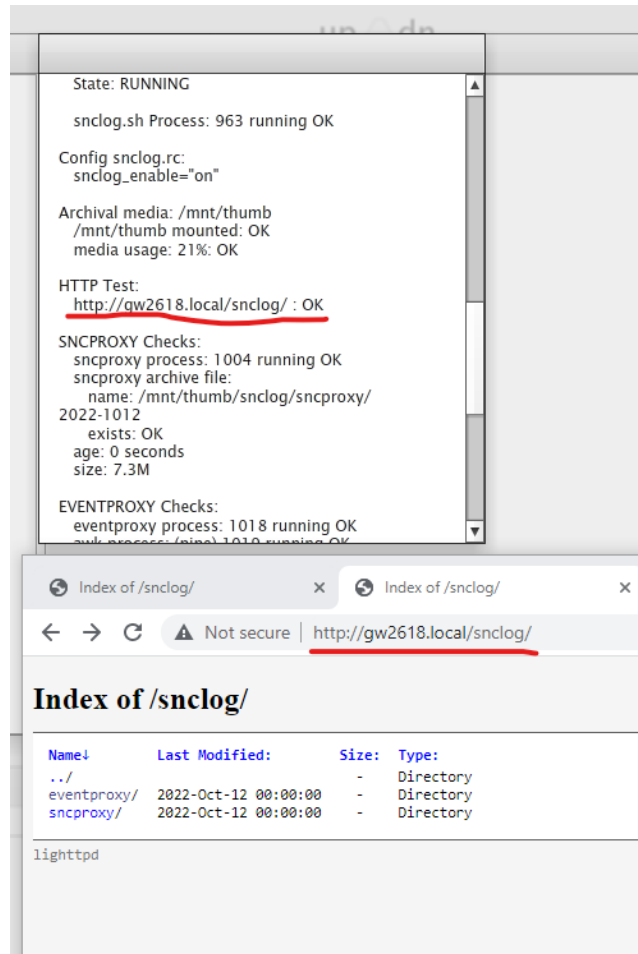
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Data Retrieval

The “eventproxy” and “sncproxy” files can be accessed and downloaded by entering the mDNS name or IP address of the FlexControl Module or Card (e.g, <http://gw2618.local/snclog/> or <http://192.168.3.119/snclog/>) in a browser.



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