
Managing Local Logs

Getting Started with Local Logs

The **Diagnostics** tab displays a listing of log files stored locally on the Ribbon SBC 2000, SBC 1000 v2, and SBC SWe Lite file systems. Ribbon System logs can record every internal and external action the systems perform, including user visible actions (such as placing calls), as well as internal parsing and messaging operations. The actual level of logging detail is configurable by [Setting the Local Log Level](#).

Preview


Locally stored log files can be directly viewed from the Ribbon Web interface. To do so, simply click the **expand** (



) icon next to the log file you wish to preview the log in place, or click the **popup** (



) icon to preview in a separate window.

 Previewing logs files larger than 2 Megabytes is not recommended as this may slow down your browser. Please consider [downloading the logs](#) instead.

Download


To download a copy of any local log file (or Web Access/Error log), simply click the **Download** button located under the **Actions** column.

Rotate

Aside from [automatic log rotation](#), you can directly rotate the current **webui.log** from memory to disk from the Ribbon SBC 2000, SBC 1000 v2, and SBC SWe Lite Web interface. To do so, click the **Rotate** button located under the **Actions** column.

Note that the system can store up to 6 local log files. When rotating the current log file, the 6th local log file on disk is deleted to make way for the newly rotated file.

Working with Local Logs

 Local logging is supported on SBC 2000, SBC 1000 v2, and SWe Lite models.

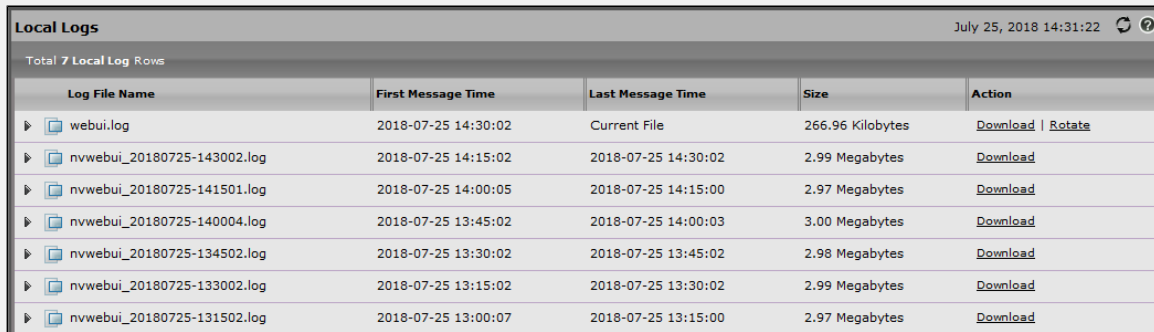
The Local logging facility maintains two differently named log files:

- **webui.log**: This file contains the current log messages being sent by the Ribbon SBC 2000, SBC 1000 v2, and SBC SWe Lite Systems. Once the log is written to a file, it is no longer present in the memory; this is to reduce the I/O overhead on the overall Ribbon SBC 2000, SBC 1000 v2, and SBC SWe Lite systems This log file gets automatically rotated, refer to [Understanding Local Log Rotation Rules](#).
- **nwebui_<timestamp>.log**: When the **webui.log** file is [rotated manually](#) (or [automatically](#)) its contents are copied from memory to the local Ribbon SBC disk. The file is then named `nwebui_<timestamp>.log` where `<timestamp>` represents the time when **webui.log** was rotated. The Ribbon The system **stores a maximum of 6 local log files on disk**.

Access Local Logs as follows:

1. In the WebUI, click the **Diagnostics** tab.
2. In the Logs page, click the **Logs > Local System Logs** tab.

Figure 1: Local System Logs



Log File Name	First Message Time	Last Message Time	Size	Action
webui.log	2018-07-25 14:30:02	Current File	266.96 Kilobytes	Download Rotate
nvwebui_20180725-143002.log	2018-07-25 14:15:02	2018-07-25 14:30:02	2.99 Megabytes	Download
nvwebui_20180725-141501.log	2018-07-25 14:00:05	2018-07-25 14:15:00	2.97 Megabytes	Download
nvwebui_20180725-140004.log	2018-07-25 13:45:02	2018-07-25 14:00:03	3.00 Megabytes	Download
nvwebui_20180725-134502.log	2018-07-25 13:30:02	2018-07-25 13:45:02	2.98 Megabytes	Download
nvwebui_20180725-133002.log	2018-07-25 13:15:02	2018-07-25 13:30:02	2.99 Megabytes	Download
nvwebui_20180725-131502.log	2018-07-25 13:00:07	2018-07-25 13:15:00	2.97 Megabytes	Download

Working with Web Access and Web Error Logs



Web Access and Web Error Logs are supported on all SBC Edge models (SBC 1000/2000 and SBC SWe Lite).

The Ribbon SBC Edge system keeps exclusive tracking of the internal and external actions strictly having to do with the system's Web Server. The Web Server on the SBC Edge is responsible for serving requests to and from the [Web Interface](#) and the [REST API](#). These logs are typically used only when troubleshooting issues with the SBC Edge that do not have to do with telephony traffic.

Similarly to the Local logging facility, the [automatic log rotation rules](#) applies, and user are able to **Preview**, **Download**, and **Rotate** those files.

To access Local Logs:

1. In the WebUI, click the **Diagnostics** tab.
2. In the Logs page, click the **Logs > Web Access Logs OR Web Error Logs**.

Figure 2: Web Access Logs

Web Access Logs					July 25, 2018 14:34:53
Total 4 Web Access Log Rows					
Log File Name	First Message Time	Last Message Time	Size	Action	
▶ lighttpd.access.log	2018-07-25 14:00:02	Current File	112.73 Kilobytes	Download	
▶ lighttpd.access_20180725-140003.log	2018-07-25 13:00:02	2018-07-25 14:00:01	194.63 Kilobytes	Download	
▶ lighttpd.access_20180725-130003.log	2018-07-25 12:00:02	2018-07-25 12:59:58	194.22 Kilobytes	Download	
▶ lighttpd.access_20180725-120003.log	2018-07-25 11:00:02	2018-07-25 12:00:00	139.67 Kilobytes	Download	

Figure 3: Web Error Logs

Web Error Logs					July 25, 2018 14:36:15
Total 4 Web Error Log Rows					
Log File Name	First Message Time	Last Message Time	Size	Action	
▶ lighttpd.error.log	2018-07-25 14:00:01	Current File	51.67 Kilobytes	Download	
▶ lighttpd.error_20180725-140003.log	2018-07-25 13:00:01	2018-07-25 14:00:01	86.86 Kilobytes	Download	
▶ lighttpd.error_20180725-130002.log	2018-07-25 12:00:01	2018-07-25 12:59:58	86.65 Kilobytes	Download	
▶ lighttpd.error_20180725-120002.log	2018-07-25 09:00:02	2018-07-25 12:00:00	59.16 Kilobytes	Download	

Working with Security Logs

Figure 4: Security Logs

Security Logs					July 25, 2018 14:39:18
Total 7 Security Log Rows					
Log File Name	First Message Time	Last Message Time	Size	Action	
▶ security.log	2018-07-25 14:30:05	Current File	132.22 Kilobytes	Download Rotate	
▶ nvsecurity_20180725-143002.log	2018-07-25 14:15:01	2018-07-25 14:30:01	221.05 Kilobytes	Download	
▶ nvsecurity_20180725-141502.log	2018-07-25 14:00:04	2018-07-25 14:14:58	223.10 Kilobytes	Download	
▶ nvsecurity_20180725-140004.log	2018-07-25 13:45:04	2018-07-25 14:00:03	225.05 Kilobytes	Download	
▶ nvsecurity_20180725-134503.log	2018-07-25 13:30:04	2018-07-25 13:45:01	223.78 Kilobytes	Download	
▶ nvsecurity_20180725-133003.log	2018-07-25 13:15:04	2018-07-25 13:30:01	223.78 Kilobytes	Download	
▶ nvsecurity_20180725-131502.log	2018-07-25 13:00:04	2018-07-25 13:15:01	223.78 Kilobytes	Download	

Working with System Vitals Logs

The System Vitals Log contains system statistics crucial for understanding the overall health of the system. The SBC retains the current system vitals log, plus the previous five archived as tar.gz files. When a new current file is generated the oldest archive is rotated out of the list.

Each file, current and archived, is downloadable from the WebUI.

To access the System Vitals Logs:

1. Click the **Diagnostics** tab at the top of the WebUI.
2. In the left navigation pane, go to: **Logs > System Vitals Logs**.

Figure 5: System Vitals Logs

Log File Name	First Message Time	Last Message Time	Size	Action
systemvitals.log	2017-03-30 10:08:37	Current File	123.41 Kilobytes	Download

```
Contents of files...: systemvitals.log
[2017-03-30 10:08:37]
#####
=====
Node (uname -n)
sbc83
=====
System uptime (uptime)
10:08:37 up 15:52, load average: 0.04, 0.02, 0.00
=====
Number of open file descriptors (cat /proc/sys/fs/file-nr)
1331 0 24605
```

Generating System Vitals Logs

To generate a System Vitals Log:

1. Click the **Diagnostics** tab at the top of the WebUI.
2. In the left navigation pane, go to: **Logs > System Vitals Logs**.
3. Click **Run System Vitals** at the top of the page.

Downloading System Vitals Logs

To download a System Vitals Log:

1. In the **System Vitals Logs** table, click the **Download** link in the row for the log you wish to download.
2. Browse for the location in which to save the downloaded log.
3. Click **Save**.