
Managing Local Logs

Getting Started with Local Logs

The **Diagnostics** tab displays a listing of log files stored locally on the Sonus SBC 2000 file system. Sonus SBC 2000 system logs can record every internal and external action the Sonus SBC 2000 system performs, 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 Sonus SBC 2000 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 Sonus SBC 2000 Web interface. To do so, simply click the **Rotate** button located under the **Actions** column.

Please 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 not supported on Sonus SBC 1000 models.** Instead, please use [Remote logging](#).

The Local logging facility maintains two differently named log files:


- **webui.log:** This file contains the current log messages being sent by the Sonus SBC 2000 System. The contents of this file are directly stored in-memory to reduce the I/O overhead on the overall Sonus SBC 2000 system. This log file gets automatically rotated, see [Understanding Local Log Rotation Rules](#).
- **nvwebui_<timestamp>.log:** When the **webui.log** file is [rotated manually](#) (or [automatically](#)) its contents are copied from memory to the local Sonus SBC 1000/2000 disk. The file is then named `nvwebui_<timestamp>.log` where `<timestamp>` represents the time when **webui.log** was rotated. The Sonus SBC 1000/2000 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.

Local Logs					February 28, 2014 15:35:36
Total 7 Local Log Rows					
Log File Name	First Message Time	Last Message Time	Size	Action	
webui.log	2014-02-28 15:30:02	Current File	542.19 Kilobytes	Download Rotate	
nvwebui_20140228-153002.log	2014-02-28 15:15:02	2014-02-28 15:30:01	1.41 Megabytes	Download	
nvwebui_20140228-151502.log	2014-02-28 15:00:03	2014-02-28 15:15:01	1.42 Megabytes	Download	
nvwebui_20140228-150002.log	2014-02-28 14:45:02	2014-02-28 15:00:02	1.42 Megabytes	Download	
nvwebui_20140228-144501.log	2014-02-28 14:30:02	2014-02-28 14:45:01	1.40 Megabytes	Download	
nvwebui_20140228-143001.log	2014-02-28 14:15:02	2014-02-28 14:30:01	1.40 Megabytes	Download	
nvwebui_20140228-141502.log	2014-02-28 14:00:02	2014-02-28 14:15:02	1.42 Megabytes	Download	

Working with Web Access and Web Error Logs

 **Web Access and Web Error Logs are supported on Sonus SBC 1000/2000 models.**

The Sonus SBC 1000/2000 system keeps exclusive tracking of the internal and external actions strictly having to do with the system's Web Server. The Web Server on Sonus SBC 1000/2000 is responsible for serving requests to and from the [Web Interface](#) and the [Sonus SBC 1000/2000 REST API](#). These logs are typically used only when troubleshooting issues with Sonus SBC 1000/2000 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**.

Web Access Logs					February 28, 2014 15:33:45
Total 4 Web Access Log Rows					
Log File Name	First Message Time	Last Message Time	Size	Action	
lighttpd.access.log	2014-02-28 15:00:02	Current File	17.91 Kilobytes	Download	
lighttpd.access.log_20140228-150002	2014-02-28 13:00:01	2014-02-28 15:00:01	7.63 Kilobytes	Download	
lighttpd.access.log_20140228-130002	2014-02-28 01:00:02	2014-02-28 12:00:02	1.03 Kilobytes	Download	
lighttpd.access.log_20140228-010002	2014-02-27 13:00:01	2014-02-28 00:00:01	1.03 Kilobytes	Download	

Web Error Logs					February 28, 2014 14:54:34
Total 3 Web Error Log Rows					
Log File Name	First Message Time	Last Message Time	Size	Action	
lighttpd.error.log	2014-02-24 10:00:01	Current File	4.10 Kilobytes	Download	
lighttpd.error.log_20140224-100002	2014-02-24 09:34:00	2014-02-24 09:34:07	1.60 Kilobytes	Download	
lighttpd.error.log_20140224-090002	2014-02-20 14:00:01	2014-02-24 08:59:06	2.49 Kilobytes	Download	

Working with Security Logs

Security Logs April 04, 2014 23:24:30

Total 7 Security Log Rows

Log File Name	First Message Time	Last Message Time	Size	Action
security.log	2014-04-04 23:15:25	Current File	5.20 Kilobytes	Download Rotate

Security Log Content

Contents of files...: security.log

```
[2014-04-04 23:15:25,269] 4833 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164517)
[2014-04-04 23:15:55,269] 4849 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164547)
[2014-04-04 23:16:25,269] 4859 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164577)
[2014-04-04 23:16:55,269] 4874 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164607)
[2014-04-04 23:17:25,269] 4890 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164637)
[2014-04-04 23:17:55,269] 4906 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164667)
[2014-04-04 23:18:25,269] 4922 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164697)
[2014-04-04 23:18:55,269] 4938 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164727)
[2014-04-04 23:19:25,269] 4955 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164757)
[2014-04-04 23:19:55,269] 4971 0000 com.sonus.sbc.osys INFO HW(SBC2000), S/N(????????????????), HWID(efb8efa8cdfedc3ba0bb7b), Release(SERVICE_ENH3) build(1)
sba(Installed C4000710360243), host(testux218), reboot reason(active partition changed from 172.16.110.112), uptime(164787)
```

[Reload](#)

nvsecurity_20140404-231502.log	2014-04-04 23:00:25	2014-04-04 23:14:55	8.20 Kilobytes	Download
nvsecurity_20140404-230003.log	2014-04-04 22:45:25	2014-04-04 22:59:55	8.20 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**.

System Vitals Logs April 05, 2014 00:09:07

Run System Vitals Total 3 System Vitals Logs Rows

Log File Name	First Message Time	Last Message Time	Size	Action
systemvitals.log	2014-04-05 00:08:57	Current File	119.02 Kilobytes	Download
nvsystemvitals_20140405-000856.log.tar.gz	2014-04-05 00:08:17	2014-04-05 00:08:17	13.21 Kilobytes	Download
nvsystemvitals_20140405-000817.log.tar.gz	2014-04-03 19:43:36	2014-04-03 19:43:36	13.00 Kilobytes	Download

System Vitals Log Content

```

Contents of files...: nvsystemvitals_20140405-000817.log.tar.gz
[2014-04-03 19:43:36]
#####
-----
System uptime (uptime)
19:43:36 up 18:10, load average: 0.10, 0.04, 0.00
-----
Number of open file descriptors (cat /proc/sys/fs/file-nr)
1283  0  50250
-----
Current processes (ps)
PID TTY  TIME CMD

```

[Reload](#)

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**.