
SC Logging

<https://campus.barracuda.com/doc/46894047/>

The SC creates logs for all system processes. By default, all log files on the SC are written to a temporary partition in volatile memory that is reset every time the device is rebooted. You can also configure the SC to stream the logs to the Control Center syslog server. For troubleshooting purposes, you can enable persistent logging directly to the SD card of the SC. Enabling persistent logging is not recommended because it decreases the lifetime of the SD card.

- **/var/phion/logs/c3c.log** - Log file for the communication between SCs and the Control Center.
- **/var/phion/logs/cudavpn.log** - SC VPN service log file.
- **/var/phion/logs/scactl.log** - Web UI log file
- **/var/phion/logs/shorewall/shorewall.log** - Logs connections denied by the SC Firewall service.
- **/var/phion/logs/shorewall/shorewall-init.log** - Log file containing firewall activation logs.

In this article:

Syslog Streaming

Syslog streaming to the Control Center allows you to process the log files using the Control Center syslog service. The SC streams over UDP port 5140.

For more information, see [SC Syslog Streaming](#).

Web Interface Log File Viewer

Use the web interface to view the log files on the SC:

1. Log into the web interface.
2. Go to **CONFIGURATION > Logs**.
3. From the **Log file** drop-down list, select the log file.

LOGS





Log file

```
Nov 30 12:25:58 localhost dhclient: bound to 192.168.1.30 -- renewal in 20521 seconds.
Nov 30 12:25:58 localhost dhclient: DHCPACK from 192.168.1.1
Nov 30 12:25:58 localhost dhclient: DHCPREQUEST on wlan0 to 192.168.1.1 port 67
Nov 30 12:24:47 localhost wpa_supplicant[25834]: wlan0: WPA: Group rekeying completed with 68:1c:a2:01:47:4f [GTK=CCMP]
Nov 30 12:24:47 localhost wpa_supplicant[25834]: wlan0: WPA: Group rekeying completed with 68:1c:a2:01:47:4f [GTK=CCMP]
Nov 30 12:18:47 localhost wpa_supplicant[25834]: wlan0: WPA: Group rekeying completed with 68:1c:a2:01:47:4f [GTK=CCMP]
Nov 30 12:18:47 localhost wpa_supplicant[25834]: wlan0: WPA: Group rekeying completed with 68:1c:a2:01:47:4f [GTK=CCMP]
Nov 30 12:16:51 localhost dhclient: bound to 192.168.1.19 -- renewal in 21498 seconds.
Nov 30 12:16:51 localhost dhclient: DHCPACK from 192.168.1.1
Nov 30 12:16:51 localhost dhclient: DHCPREQUEST on wlan0 to 192.168.1.1 port 67
Nov 30 12:12:47 localhost wpa_supplicant[25834]: wlan0: WPA: Group rekeying completed with 68:1c:a2:01:47:4f [GTK=CCMP]
```

Enable Persistent Logging

1. Go to **your Cluster > Cluster Settings > Secure Connector Editor**.
2. Click **Lock**.
3. Double-click to edit the device or SC template.
4. In the left menu, click **Advanced Settings**.
5. (Template only) Enable **Advanced Settings**.
6. Select **Enable Persistent Logging**.

Advanced System Settings

Enable Persistent Logging	<input checked="" type="checkbox"/>	
USB Mass Storage support	<input checked="" type="checkbox"/>	
Enable Syslog Streaming	<input type="checkbox"/>	
Syslog Target Address/Host	<input type="text"/>	

7. Click **OK** and **Activate**.

Figures

1. sca_Logging_web_01.png
2. sca_Logging_01.png

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