Barracuda Reporting Server (BRS) Integration

https://campus.barracuda.com/doc/73720518/

The Barracuda Reporting Server (BRS) is a hardware appliance purpose-built for rapidly generating aggregated / dedicated reports for CloudGen Firewalls while maintaining or improving the accuracy of reporting data. Unlike a firewall that retains data for a maximum of 7 days, the Reporting Server caches data up to 12 months. Creating reports is done using schedules. The BRS enables CloudGen Firewalls to use less disk space on their internal SSDs and therefore contributes to longer SSD lifetimes. It also provides an aggregate view of data for customers with multiple connected devices.

Host names for stand-alone firewalls used on the BRS must be unique. When using the BRS in connection with more than one Control Center, the range IDs of the Control Centers must not overlap. This restriction does not apply to managed firewalls. HA clusters are displayed as a single unit on the BRS using the name of the primary firewall. The authentication data is transmitted encoded via port 2400 TCP; the log stream is transmitted encoded using port 8001 TCP. The minimum firmware version of the BRS must be 1.0.3.480 in order to work with CloudGen firmware 7.2.1.

The following logs are sent to the BRS: the box_Firewall_Activity.log, the box_Firewall_threat.log and the web log. Since the web log is not stored in a file, the log is directly streamed to the BRS.

Before You Begin

- You must provide a shared secret that was configured on the BRS beforehand. The shared secret will serve for authenticating the firewall to the BRS.

The shared secret can consist of small and capital characters, numbers, and non-alpha-numeric symbols, except the hash sign (#).

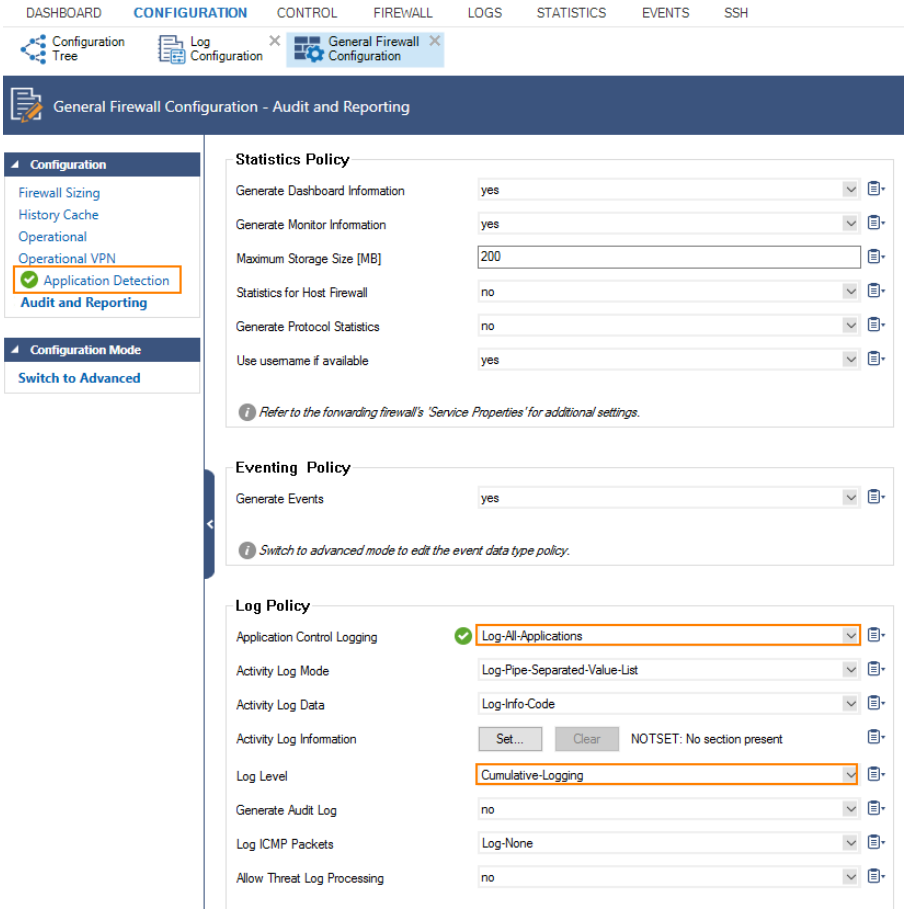
- Your BRS must be running and reachable via the network for all local CloudGen Firewalls.

Step 1. (optional, Virtual Firewalls only) Enter Serial Number for the Firewall to Enable Streaming to the Barracuda Reporting Server

1. Go to **CONFIGURATION > Configuration Tree > Box > Box Properties**.
2. Click **Lock**.
3. In the left navigation menu, click **Switch to Advanced** mode.
4. In the **Product and Model** section, enter the **Serial Number** of your virtual firewall to enable streaming to the Barracuda Reporting Server.

Step 2. Enable Application Logs

1. Go to **CONFIGURATION > Configuration Tree > Box > Infrastructure Service > General Firewall Configuration**.
2. Click **Lock**.
3. In the left navigation menu, click **Switch to Basic** mode.
4. In the left menu, click **Audit and Reporting**.
5. In the **Log Policy** section, select **Log-All-Applications** for **Application Control Logging**.
6. **Activity Log Information** – If you have changed any setting that differs from its default value, the respective data may not be included in the reports. Click **Clear** to reset to defaults.
7. Ensure that **Log Level** is set to **Cumulative Logging** unless you want to have redundant data to be transmitted to the BRS.

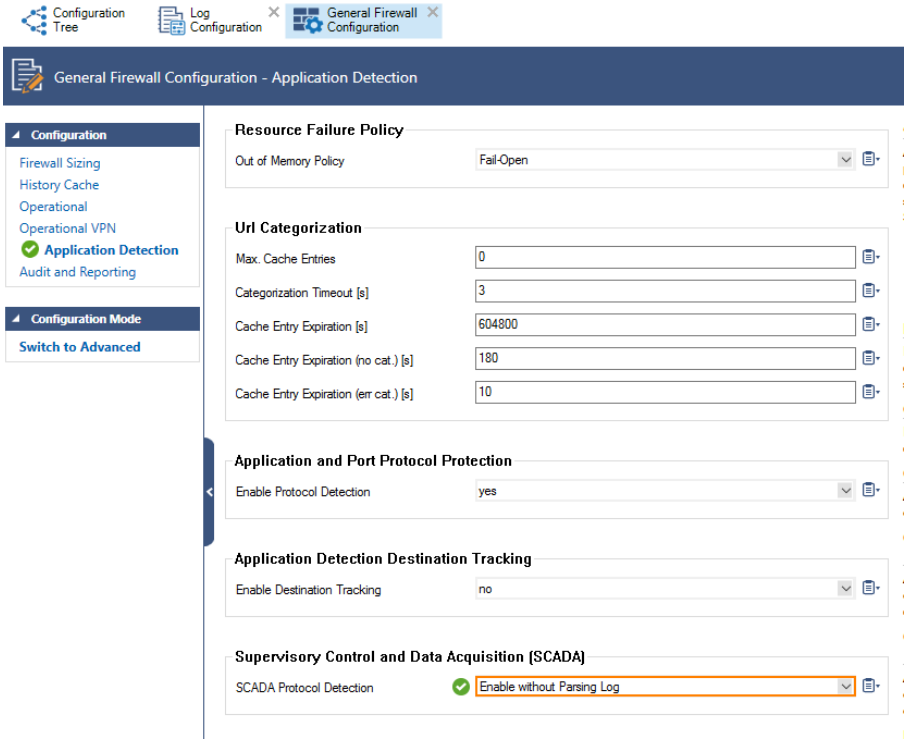


8. Click **Send Changes**.
9. Click **Activate**.

Step 3. (optional) Enable SCADA Logs

If you are using SCADA, application logs must be (re-)activated.

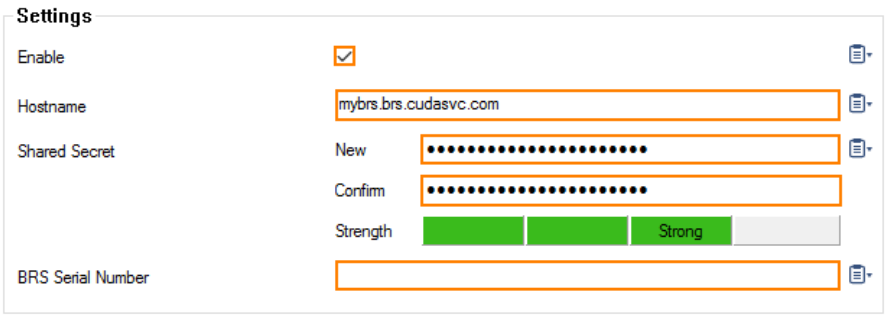
1. Go to **CONFIGURATION > Configuration Tree > Box > Infrastructure Service > General Firewall Configuration**.
2. Click **Lock**.
3. In the left navigation menu, click **Switch to Basic** mode.
4. In the left menu, click **Application Detection**.
5. In the **Supervisory Control and Data Acquisition (SCADA)** section, select **Enable without Parsing Log** for **SCADA Protocol Detection**.



6. Click **Send Changes**.
7. Click **Activate**.

Step 4. Enable Streaming to the Barracuda Reporting Server

1. Go to **CONFIGURATION > Configuration Tree > Box > Infrastructure Services > Syslog Streaming**.
2. In the left navigation bar, click **Barracuda Reporting Server**.
3. Click **Lock**.
4. Select the **Enable** check box.
5. Enter the **Hostname** of the IP address of the reporting server.
6. Enter the **Shared Secret** from your BRS in the **New** edit field.
7. Re-enter the **Shared Secret** into the **Confirm** edit field.
8. (optional) Enter the BRS Serial Number.



9. Click **Send Changes** and **Activate**.

Your firewall will now send data to the Barracuda Reporting Server.

Figures

1. enable_application_logs.png
2. enable_SCADA_logs.png
3. brs_enable.png

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