DGS-3600 sFlow Configuration

- **Enable sFlow**
  - Enable the sFlow function on the switch
  - **Command Example:**
    
    ```
    enable sflow
    ```

- **Create sFlow analyzer_server**
  - Create the remote sFlow analyzer (collector) to gather and analyze the sFlow datagram sent from switches. The “owner” parameter is must and just for information purpose
  - **Command Example:**
    
    ```
    create sflow analyzer_server 1 owner OwnerName
    ```

- **Configure sFlow analyzer server IP address**
  - **Command Example:**
    
    ```
    config sflow analyzer_server 1 collectoraddress 192.168.0.10
    ```

- **Create sFlow counter_poller port**
  - Settings for the Switch’s counter poller. This mechanism will take a poll of the IF counters of the Switch and them package samplers into a datagram which will be sent to the sFlow Analyzer Server for examination. ( interval 20 means 20sec )
  - **Command Example:**
    
    ```
    create sflow counter_poller ports 1 analyzer_server_id 1 interval 20
    ```

- **Create sFlow flow_sampler ports**
  - Configure the sFlow sampler settings, and decide how to sample the data content via specifying the length of leading bytes. ( the maxheadersize can be 1-256 bytes )
  - **Command Example:**
    
    ```
    create sflow flow_sampler ports 1:1 analyzer_server_id 1 rate 1000 maxheadersize 128
    ```
sFlow setup Example

DGS-3650 configuration

```bash
# DGS-3650 configuration #
enable sflow
create sflow analyzer_server 1 owner D-ink_Monitor timeout 200000 collectoraddress 192.168.0.10
create sflow counter_poller ports 1 analyzer_server_id 1 interval 20
create sflow flow_sampler ports 1-27 analyzer_server_id 1 rate 10000 maxheadersize 128
```
How to verify the sFlow configuration

DGS-3650:4# show sflow analyzer_server
Command: show sflow analyzer_server

sFlow Analyzer_server Information
-----------------------------
Server ID : 1
Owner : D-link_Monitor
Timeout : 400
Current Countdown Time: 355
Collector Address : 0.0.0.0
Collector Port : 6343
Max Datagram Size : 1400
Total Entries: 1

DGS-3650:4#

DGS-3650:4# show sflow counter_poller
Command: show sflow counter_poller

<table>
<thead>
<tr>
<th>Port</th>
<th>Analyzer Server ID</th>
<th>Polling Interval (secs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DGS-3650:4#

DGS-3650:4# show sflow flow_sampler
Command: show sflow flow_sampler

<table>
<thead>
<tr>
<th>Port</th>
<th>Analyzer Server ID</th>
<th>Configured Rate</th>
<th>Active Rate</th>
<th>Max Header Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>10000</td>
<td>0</td>
<td>128</td>
</tr>
</tbody>
</table>
Total Entries: 1

DGS-3650:4#
Plixer.com’s Scrutinizer software provides network-wide surveillance of complex multilayer switched and routed environments, ensuring the rapid identification and resolution of any threat to the network.

- Enforce security policies.
- Identify suspicious behavior.
- Quickly respond to security threats.
- Ensure quality of service.
- Account for network usage.
- Reduce network costs.