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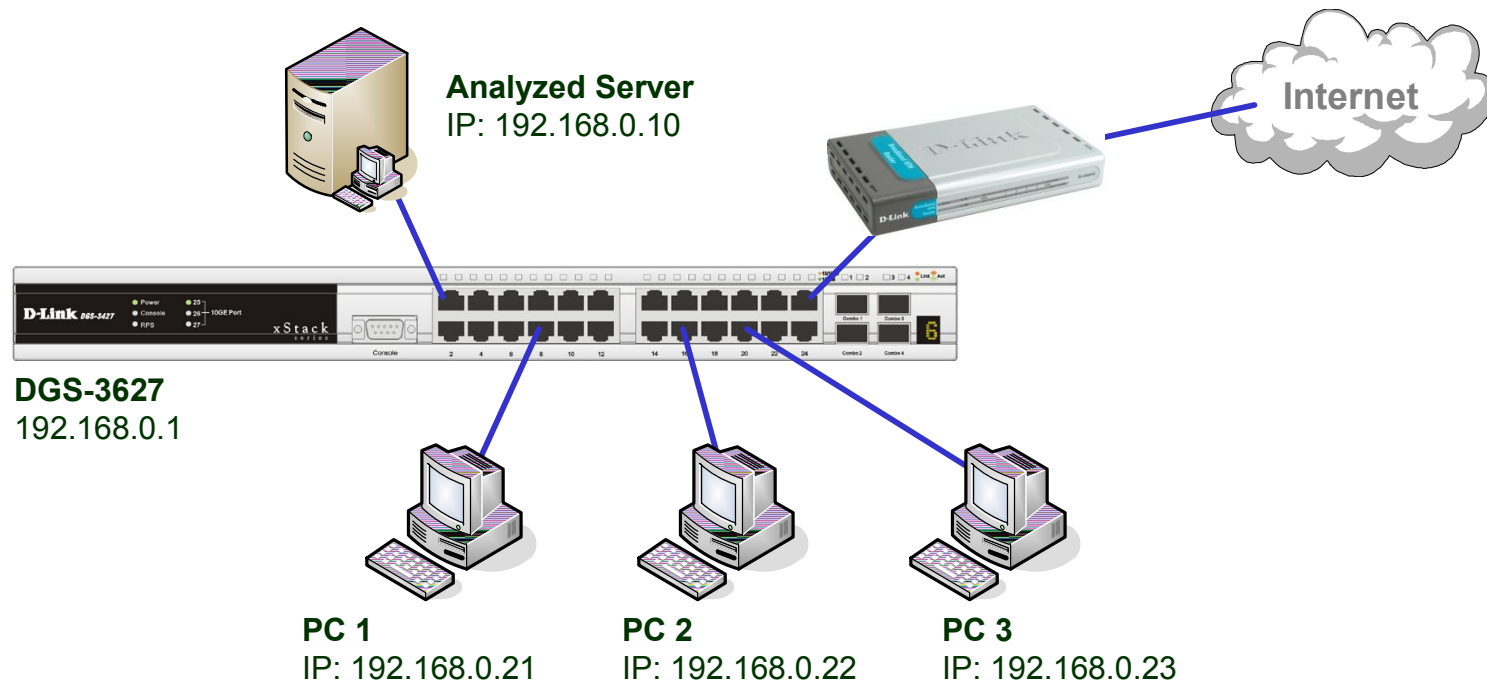
- ■ Create sFlow counter_poller port
  - • Settings for the Switch's counter poller. This mechanism will take a poll of the IF counters of the Switch and them package samplers into a datagram which will be sent to the sFlow Analyzer Server for examination. (interval 20 means 20sec)
  - • Command Example: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

- ■ Create sFlow flow_smapler 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

1

sFlow setup Example

Analyzed Server
IP: 192.168.0.10

Internet

DGS-3627
192.168.0.1

PC 1
IP: 192.168.0.21

PC 2
IP: 192.168.0.22

PC 3
IP: 192.168.0.23

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-ink_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

Port   Analyzer Server ID   Polling Interval (secs)
----   ------------------   ----------------------
1      1                    20
2      1                    20
3      1                    20
4      1                    20
5      1                    20
6      1                    20
7      1                    20
8      1                    20
9      1                    20
10     1                     20
...........................
...........................
```

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

Port   Analyzer Server ID   Configured Rate   Active Rate   Max Header Size
----   ------------------   ---------------   ----------    ---------------
1      1                    10000             0             128

Total Entries: 1

DGS-3650:4#
```

Sflow Software – sFlow Trend

- 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.