

sFlow, short for "sampled flow", is an industry standard for packet export at Layer 2 of the OSI model. sFlow was originally developed by InMon Corp. It provides a means for exporting truncated packets, together with interface counters for the purpose of network monitoring. Maintenance of the protocol is performed by the sFlow.org consortium, the authoritative source of the sFlow protocol specifications.

In this example sFlow will be enabled for Port Eth-0-1. Use this same procedure for any other port desired.

Connect to the Advanced Features unit. A connection to the unit may be established using two options:

Directly connected to the Console Interface to COM Port using Putty/Serial connection.

Connected via the IP Management Interface using Putty/SSH connection.

1. Press the Return key.
2. Enter enable.
3. Enter configure terminal.
4. Enter the following commands to enable sFlow.

```
Switch(config)# sflow enable
Switch(config)# sflow agent ip xxx.xxx.xxx.xxx    (Advanced Features IP Address)
Switch(config)# sflow collector mgmt-if xxx.xxx.xxx.xxx 6343 (Laptop or PC)
Switch(config)# sflow counter interval 10
Switch(config)# interface eth-0-1                (Advanced Features port)
Switch(config-if-eth-0-1)# sflow counter-sampling enable
Switch(config-if-eth-0-1)# sflow flow-sampling rate 32768
Switch(config-if-eth-0-1)# sflow flow-sampling enable both
Switch(config-if-eth-0-1)# exit
Switch(config)# exit
Switch#
```

5. Enter the following command to display sFlow.

```
Switch# show sflow
```

```
sFlow Version: 5
```

```
sFlow Global Information:
```

```
Agent IPv4 address      : xxx.xxx.xxx.xxx
```

```
Counter Sampling Interval : 10 seconds
```

```
Collector 1:
```

```
mgmt-if IPv4 Address: xxx.xxx.xxx.xxx
```

```
Port: 6343
```

```
sFlow Port Information:
```

Port	Counter	Flow	Flow-Sample Direction	Flow-Sample Rate
eth-0-1	Enable	Enable	Both	32768