

How to enable Sflow on HP ProCurve.

Most ProCurve switches are currently designed so that sFlow is enabled remotely by an sFlow collector. The sFlow collector writes to the appropriate SNMP MIBs to both enable and configure sFlow data collection. Once sFlow has been enabled and configured, the switch sFlow agent then autonomously sends samples, via UDP, to the specified sFlow collector(s). The SNMP MIBs can be manually configured. Following is a step-by-step example using a ProCurve 2800 Series switch. It is interesting to note that the management station needs to periodically refresh the receiver timeout value in order to make sure that it continues to receive data from the switch. Otherwise, a failsafe mechanism exists that will ensure that the switch does not send sFlow samples to a receiver in case it ever becomes unavailable or defunct. Please be aware that it is necessary to take care when enabling the receiver. The IP address is delivered in Hex without the leading 0x. Also, when setting the sampling rate, be sure a real port number is used.

EXAMPLE: The following example was published in the context of a switch that had at least 55 ports installed. For the sake of this example, the IP address was 15.29.16.93.

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STEP 1: Set the destination IP
(The IP of the collector station--Note that the IP Address is in hex but
without the leading 0x):
setmib sFlowRcvrAddress.1 -o 0F1D105D
For reference, here is an IP to HEX converter:
http://www.kloth.net/services/iplocate.php
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STEP 2: Set the traffic destination port number
Destination port 996 (Default value is 6343)
setmib sFlowRcvrPort.1 -i 996
STEP 3: Enable Receiver
setmib sFlowRcvrOwner.1 -D Name sFlowRcvrTimeout.1 -i 100000000
STEP 4: Set flow sampling sampling rate
Port 53, sampling rate of 37:
setmib 1.3.6.1.4.1.14706.1.1.5.1.4.11.1.3.6.1.2.1.2.2.1.1.53.1 -i 37
Port 55, rate of 20:
setmib 1.3.6.1.4.1.14706.1.1.5.1.4.11.1.3.6.1.2.1.2.2.1.1.55.1 -i 20
Port 5, rate of 20:
setmib 1.3.6.1.4.1.14706.1.1.5.1.4.11.1.3.6.1.2.1.2.2.1.1.5.1 -i 20
(Note: Some switches require a sample rate of at least 50)
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STEP 5: Set Enable to True (1), Per Port
Port 53:
setmib 1.3.6.1.4.1.14706.1.1.5.1.3.11.1.3.6.1.2.1.2.2.1.1.53.1 -i 1
Port 55:
setmib 1.3.6.1.4.1.14706.1.1.5.1.3.11.1.3.6.1.2.1.2.2.1.1.55.1 -i 1
Port 5:
setmib 1.3.6.1.4.1.14706.1.1.5.1.3.11.1.3.6.1.2.1.2.2.1.1.5.1 -i 1
STEP 6: Set the counter polling interval, Per Port
Interval of 8 seconds, port 53:
setmib 1.3.6.1.4.1.14706.1.1.6.1.4.11.1.3.6.1.2.1.2.2.1.1.53.1 -i 8
Interval of 7 seconds, port 55:
setmib 1.3.6.1.4.1.14706.1.1.6.1.4.11.1.3.6.1.2.1.2.2.1.1.55.1 -i 7
Interval of 50 seconds, port 5:
setmib 1.3.6.1.4.1.14706.1.1.6.1.4.11.1.3.6.1.2.1.2.2.1.1.5.1 -i 50
Disabling:
```

To kill all sampling and to release the receiver just set timeout to 0:
setmib sFlowRcvrTimeout.1 -i 0

If it is desirable to keep the receiver and just disable flow sampling, it is possible to either set the sampling rate to 0 or set enable to false/0: Disable flow sampling on port 53 by setting enable FALSE: setmib 1.3.6.1.4.1.14706.1.1.5.1.3.11.1.3.6.1.2.1.2.2.1.1.53.1 -i 0

The following devices are capable of exporting sFlow:

3Com

- [4800G Family](#)

AlaxalA Networks

- [AX7800R](#)
- [AX7800S](#)
- [AX7700R](#)
- [AX5400S](#)

Alcatel-Lucent

- [OmniSwitch 6850](#)
- [OmniSwitch 9000 series](#)

Allied Telesis

- [SwitchBlade 7800R series](#)
- [SwitchBlade 7800S series](#)
- [SwitchBlade 5400S series](#)

Brocade

- [BigIron series](#)
- [FastIron series](#)
- [IronPoint series](#)
- [NetIron series](#)
- [SecureIron series](#)
- [ServerIron series](#)

Comtec Systems

- [!-Rex 16Gi & 24Gi & 24Gi-Combo](#)

D-Link

- [DGS-3600 series](#)

Extreme Networks

- [Alpine 3800 series](#)
- [BlackDiamond 6800 series](#)
- [BlackDiamond 8800 series](#)
- [BlackDiamond 10808](#)
- [BlackDiamond 12804C](#)
- [BlackDiamond 12800R Series](#)
- [Summit X150 Series](#)
- [Summit X250e Series](#)
- [Summit X450 Series](#)
- [Summit i series](#)

Force10 Networks

- [C series](#)
- [E series](#)

H3C

- [H3C S7500E Series Switches](#)
- [H3C MSR 20-1X Series Routers](#)

Hewlett-Packard

- [ProCurve 2610 series](#)
- [ProCurve 2800 series](#)
- [ProCurve 2900 series](#)
- [ProCurve 3400cl series](#)
- [ProCurve 3500yl series](#)
- [ProCurve 4200vl series](#)
- [ProCurve 5300xl series](#)
- [ProCurve 5400zl series](#)
- [ProCurve 6200yl series](#)
- [ProCurve 6400cl series](#)
- [ProCurve 6600 series](#)
- [ProCurve 8212zl](#)
- [ProCurve 9300m series](#)
- [ProCurve Routing Switch 9408sl](#)
- [ProCurve Wireless Edge Services xl Module](#)

- [ProCurve Wireless Edge Services zl Module](#)
- [ProCurve Access Point 530](#)

Hitachi

- [GR4000](#)
- [GS4000](#)
- [GS3000](#)

InMon Corp.

- [Virtual Probe](#)

Juniper Networks

- [EX series](#)

NEC

- [IP8800/R400 series](#)
- [IP8800/S400 series](#)