

sFlow Samples

Sampledata

32 bit

int data format sample data (20 bit enterprise & 12 bit format)
(standard enterprise 0, formats 1,2,3,4)

int sample length byte

sample data

enterprise = 0, format = 1

Flow Sample

int sample sequence number

int source id type
(0=ifIndex|
1=smonVlanDataSource|
2=entPhysicalEntry)

int source id index value

int sampling rate

int sample pool (total number of packets that could have been sampled)

int drops (packets dropped due to a lack of resources)

int input (SNMP ifIndex of input interface, 0 if not known)

broadcast or multicast are handled as follows:

the first bit indicates multiple destinations, the lower order bits number of interfaces

int n * flow records

flow record

enterprise = 0, format = 2

Counter Sample

int sample sequence number

int source id type
(0=ifIndex|
1=smonVlanDataSource|
2=entPhysicalEntry)

int source id index value

int n * counter records

counter record

enterprise = 0, format = 3 Expanded Flow Sample

int sample sequence number

int source id type

int source id index

int sampling rate

int sample pool (total number of packets that could have been sampled)

int drops (packets dropped due to a lack of resources)

int input interface format

int input interface value

int output interface format

int output interface value

int n * flow records

flow record

enterprise = 0, format = 4 Expanded Counter Sample

int sample sequence number

int source id type

int source id index

int n * counter record

counter record

Flow Record

int data format flow data (20 bit enterprise & 12 bit format) (standard enterprise 0, formats 1, 2, 3, 4, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012)

int flow data length

flow data

Counter Record

int data format counter data (20 bit enterprise & 12 bit format)
(standard enterprise 0, formats 1,2,3,4,5,1001)

int counter data length

counter data