

## sFlow Samples

### Countersample

32 bit

int sample type (2=contersample)	
int sequence number	
int source id type <small>(0=ifIndex  1=smonVlanDataSource  2=entPhysicalEntry)</small>	int source id index value
int counter sampling interval	
int counters version (1=generic 2=ethernet 3=tokenring 4=fddi 5=vgl6=wan 7=vlan)	
counters type	

### Counterstype - Generic

see RFC2233

32 bit

int ifIndex
int ifType
hyper ifSpeed
int ifDirection (0=unknown 1=full-duplex 2=half-duplex 3=in 4=out)
int ifStatus (bit 0 => ifAdminStatus 0=down 1=up, bit 1 => ifOperStatus 0=down 1=up)
hyper ifInOctets
int ifInUcastPkts
int ifInMulticastPkts
int ifInBroadcastPkts
int ifInDiscards
int ifInErrors
int ifInUnknownProtos
hyper ifOutOctets
int ifOutUcastPkts
int ifOutMulticastPkts
int ifOutBroadcastPkts
int ifOutDiscards
int ifOutErrors
int ifPromiscuousMode

### Counterstype - Ethernet

see RFC2358

32 bit

counterstype generic
int dot3StatsAlignmentErrors
int dot3StatsFCSErrors
int dot3StatsSingleCollisionFrames
int dot3StatsMultipleCollisionFrames
int dot3StatsSQETestErrors
int dot3StatsDeferredTransmissions
int dot3StatsLateCollisions
int dot3StatsExcessiveCollisions
int dot3StatsInternalMacTransmitErrors
int dot3StatsCarrierSenseErrors
int dot3StatsFrameTooLongs
int dot3StatsInternalMacReceiveErrors
int dot3StatsSymbolErrors

### Counterstype - Tokenring

see RFC1748

32 bit

counterstype generic
int dot5StatsLineErrors
int dot5StatsBurstErrors
int dot5StatsACErrors
int dot5StatsAbortTransErrors
int dot5StatsInternalErrors
int dot5StatsLostFrameErrors
int dot5StatsReceiveCongestions
int dot5StatsFrameCopiedErrors
int dot5StatsTokenErrors
int dot5StatsSoftErrors
int dot5StatsHardErrors
int dot5StatsSignalLoss
int dot5StatsTransmitBeacons
int dot5StatsRecoveryys
int dot5StatsLobeWires
int dot5StatsRemoves
int dot5StatsSingles
int dot5StatsFreqErrors

### Counterstype - FDDI

see RFC1512

32 bit

counterstype generic
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### Counterstype - 100BaseVG

see RFC2020

32 bit

counterstype generic
int dot12InHighPriorityFrames
hyper dot12InHighPriorityOctets
int dot12InNormPriorityFrames
hyper dot12InNormPriorityOctets
int dot12InIPMErrors
int dot12InOversizeFrameErrors
int dot12InDataErrors
int dot12InNullAddressedFrames
int dot12OutHighPriorityFrames
hyper dot12OutHighPriorityOctets
int dot12TransitionIntoTrainings
hyper dot12HCInHighPriorityOctets
hyper dot12HCInNormPriorityOctets
hyper dot12HCOuthighPriorityOctets

### Counterstype - WAN

32 bit

counterstype generic
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### Counterstype - VLAN

32 bit

int vlan_id
hyper octets
int ucastPkts
int multicastPkts
int broadcastPkts
int discards