### sFlow Samples

#### 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
    - 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 unknown)
    - Int output (SNMP ifIndex of output interface, 0 if unknown)
    - Int flow record count

#### Enterprise = 0, Format = 2
  - **Counter Sample**
    - Int sample sequence number
    - Int source id type
      - 0 = ifIndex, 1 = smonVlanDataSource, 2 = entPhysicalEntry
    - 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 counter record count

#### 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

#### Enterprise = 0, Format = 4
  - **Expanded Counter Sample**
    - Int sample sequence number
    - Int source id type
    - Int source id index
    - Int counter record count

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### Flow Record
- Int sample data format (20 bit enterprise & 12 bit format) (standard enterprise: 0, formats: 1, 2, 3, 4)
- Int sample length byte
- Sample data

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### Counter Record
- Int data format counter data (20 bit enterprise & 12 bit format) (standard enterprise: 0, formats: 1, 2, 3, 4, 5)
- Int counter data length
- Counter data