Laborbericht - NVS - 5CHIF

Name: Juri Schreib | **Datum:** 2017-01-09

Ziel: Erfüllung der Aufgabenstellung

Monitroing (RSPAN) Configuration

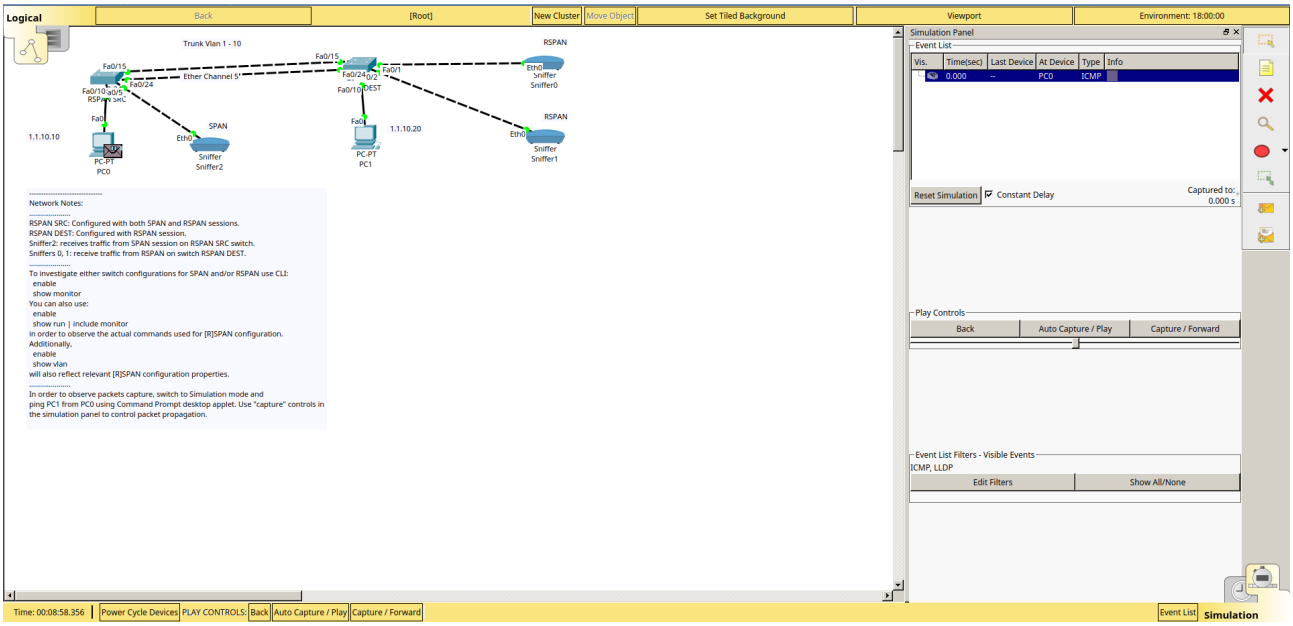
Switch RSPAN_SRC

```
Switch#show monitor
Session 1
---------
Type                   : Local Session
Description            : -
Source Ports           :
    Both               : Fa0/10
Destination Ports      : Fa0/5
    Encapsulation      : Native
          Ingress      : Disabled


Session 3
---------
Type                   : Remote Destination Session
Description            : -
Source Ports           :
    RX Only            : Fa0/10
Dest RSPAN VLAN        : 5


Switch#show run | include monitor
monitor session 1 source interface Fa0/10
monitor session 1 destination interface Fa0/5
monitor session 3 source interface Fa0/10 rx
monitor session 3 destination remote vlan 5 reflector-port Fa0/6
Switch#
```

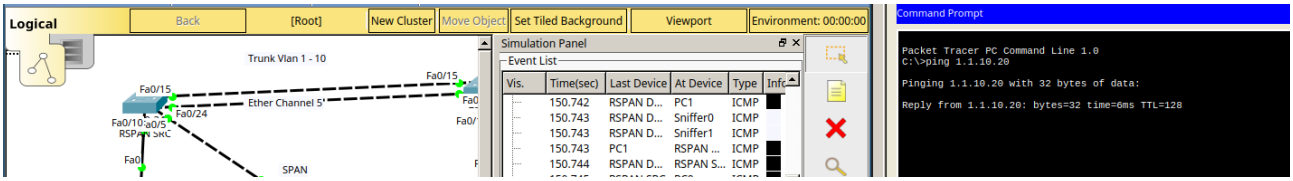
Switch RSPAN_DEST

```
Switch>en
Switch#show monitor
Session 5
---------
Type                   : Remote Source Session
Description            : -
Source RSPAN VLAN      : 5
Destination Ports      : Fa0/1
    Encapsulation      : Native
          Ingress      : Disabled


Session 7
---------
Type                   : Remote Source Session
Description            : -
Source RSPAN VLAN      : 5
Destination Ports      : Fa0/2
    Encapsulation      : Native
          Ingress      : Disabled


Switch#show run | include monitor
monitor session 5 destination interface Fa0/1
monitor session 5 source remote vlan 5
monitor session 7 destination interface Fa0/2
monitor session 7 source remote vlan 5
Switch#
```

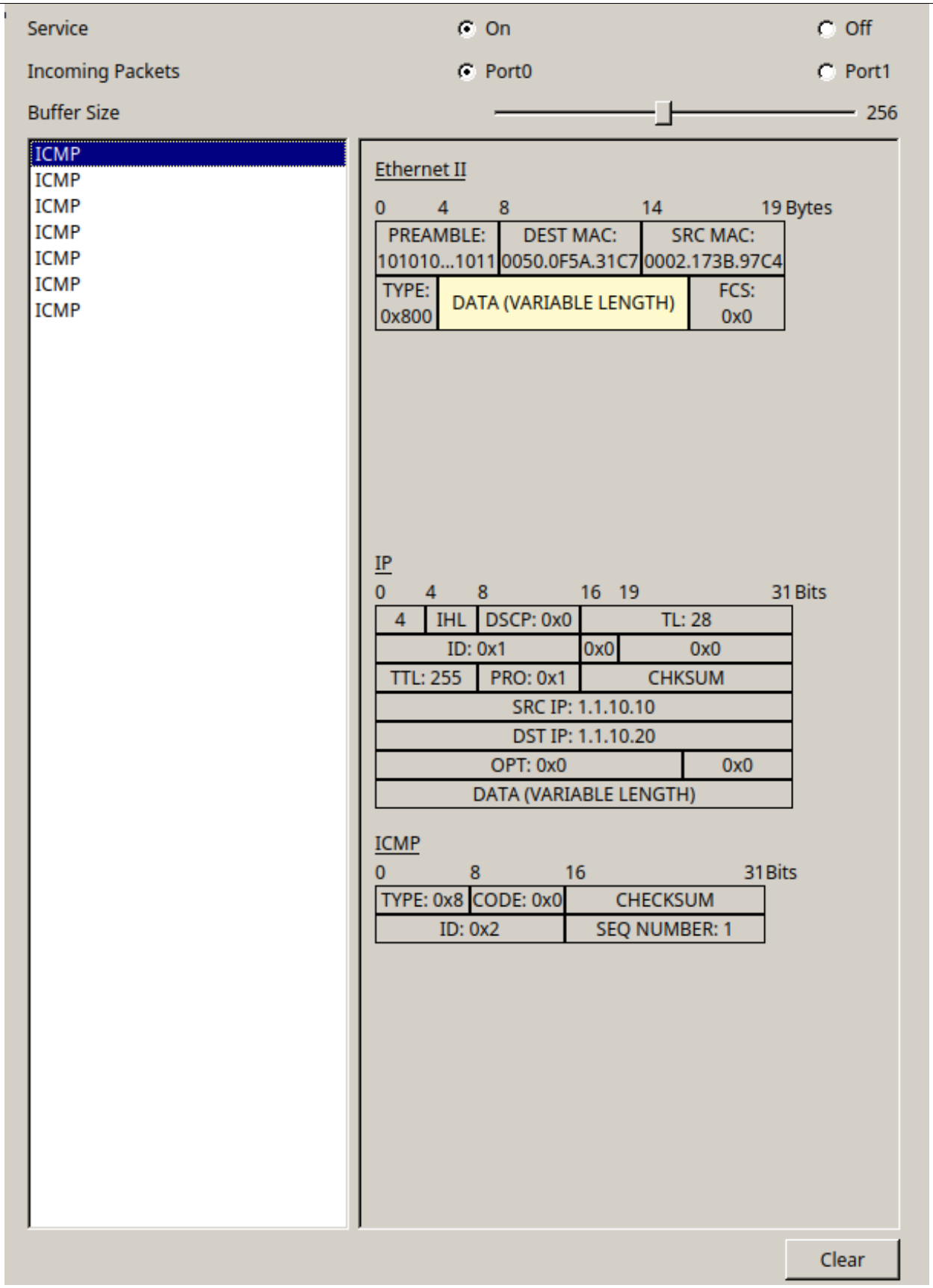
Monitoring Simulieren



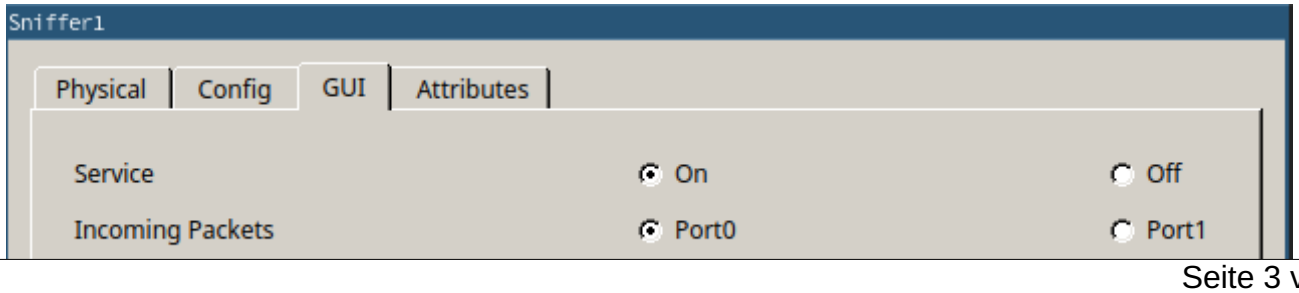
Ping Kommando testen

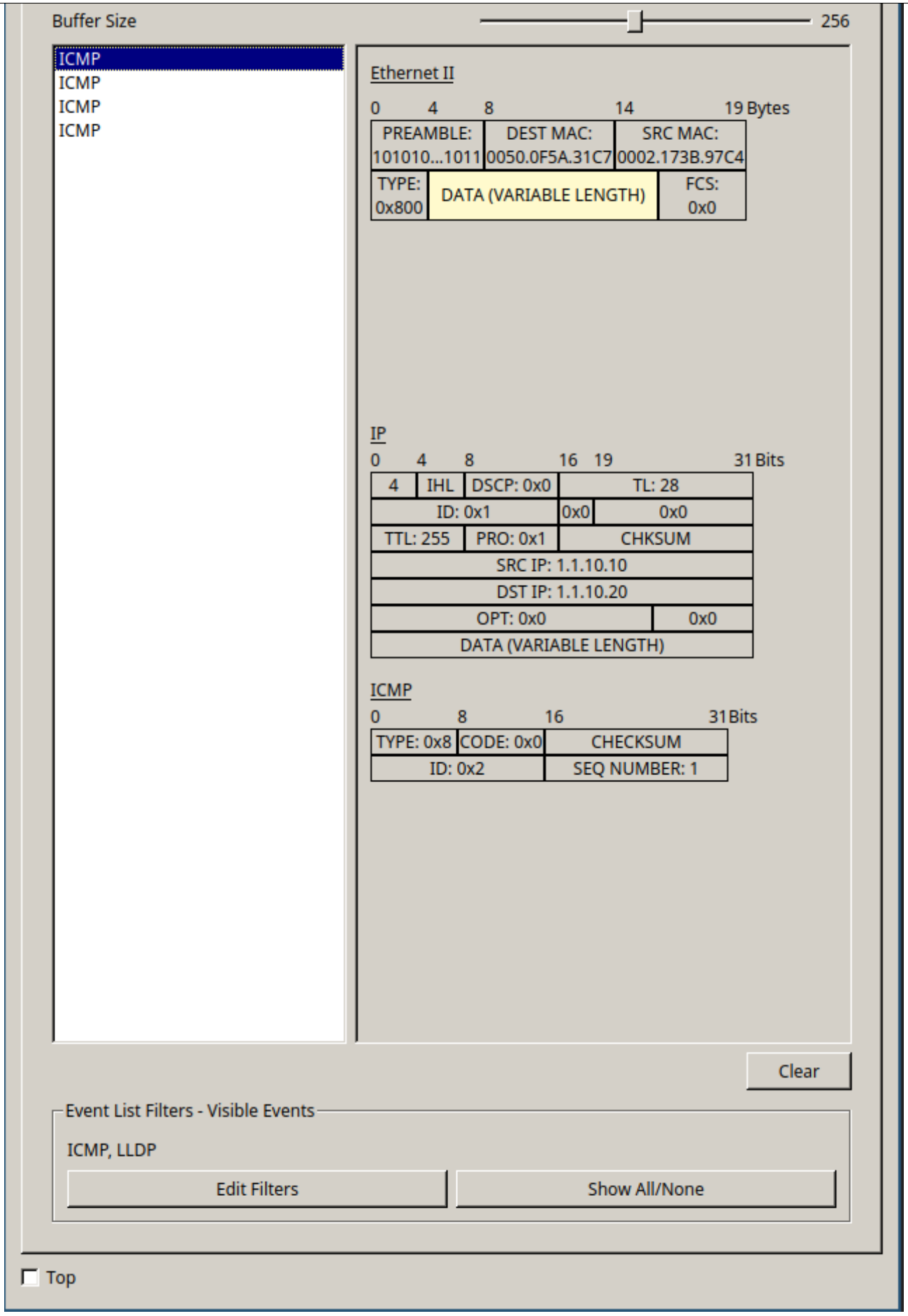


Sniffer 2


Service
On
Off
Incoming Packets
Port0
Port1
Buffer Size
256
ICMP
ICMP
ICMP
ICMP
ICMP
ICMP
ICMP
Ethernet II
0 4 8 14 19 Bytes
PREAMBLE: 101010...1011
DEST MAC: 0050.0F5A.31C7
SRC MAC: 0002.173B.97C4
TYPE: 0x800
DATA (VARIABLE LENGTH)
FCS: 0x0
IP
0 4 8 16 19 31 Bits
4
IHL
DSCP: 0x0
TL: 28
ID: 0x1
0x0
0x0
TTL: 255
PRO: 0x1
CHKSUM
SRC IP: 1.1.10.10
DST IP: 1.1.10.20
OPT: 0x0
0x0
DATA (VARIABLE LENGTH)
ICMP
0 8 16 31 Bits
TYPE: 0x8
CODE: 0x0
CHECKSUM
ID: 0x2
SEQ NUMBER: 1
Clear

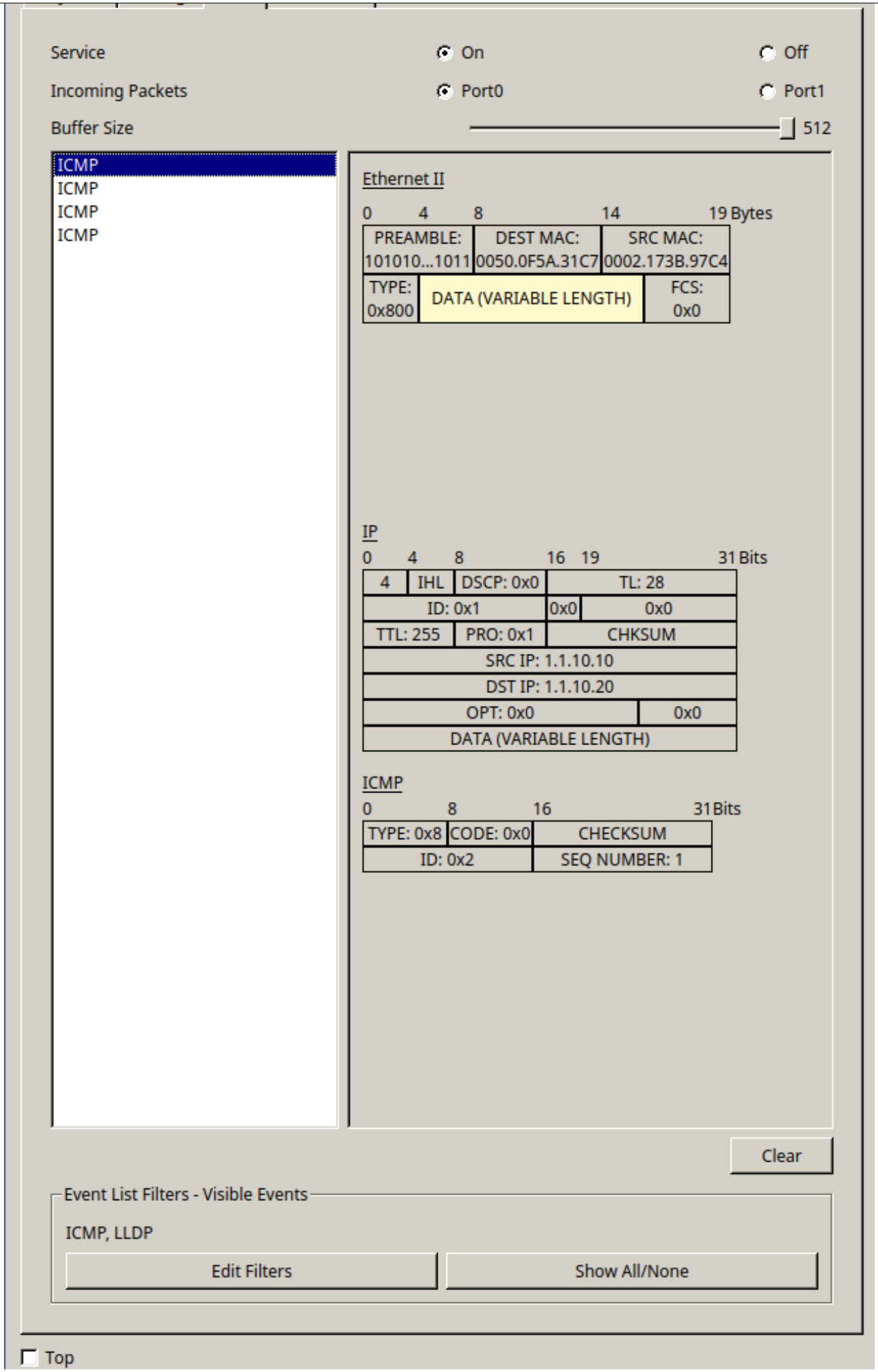
Sniffer 1


Sniffer1
Physical
Config
GUI
Attributes
Service
On
Off
Incoming Packets
Port0
Port1


Buffer Size
256
ICMP
ICMP
ICMP
ICMP
Ethernet II
0 4 8 14 19 Bytes
PREAMBLE: 101010...1011
DEST MAC: 0050.0F5A.31C7
SRC MAC: 0002.173B.97C4
TYPE: 0x800
DATA (VARIABLE LENGTH)
FCS: 0x0
IP
0 4 8 16 19 31 Bits
4
IHL
DSCP: 0x0
TL: 28
ID: 0x1
0x0
0x0
TTL: 255
PRO: 0x1
CHKSUM
SRC IP: 1.1.10.10
DST IP: 1.1.10.20
OPT: 0x0
0x0
DATA (VARIABLE LENGTH)
ICMP
0 8 16 31 Bits
TYPE: 0x8
CODE: 0x0
CHECKSUM
ID: 0x2
SEQ NUMBER: 1
Clear
Event List Filters - Visible Events
ICMP, LLDP
Edit Filters
Show All/None
Top

Sniffer 0


Sniffer0
Physical
Config
GUI
Attributes


Service
On
Off
Incoming Packets
Port0
Port1
Buffer Size
512
ICMP
ICMP
ICMP
ICMP
Ethernet II
0 4 8 14 19 Bytes
PREAMBLE: 101010...1011
DEST MAC: 0050.0F5A.31C7
SRC MAC: 0002.173B.97C4
TYPE: 0x800
DATA (VARIABLE LENGTH)
FCS: 0x0
IP
0 4 8 16 19 31 Bits
4
IHL
DSCP: 0x0
TL: 28
ID: 0x1
0x0
0x0
TTL: 255
PRO: 0x1
CHKSUM
SRC IP: 1.1.10.10
DST IP: 1.1.10.20
OPT: 0x0
0x0
DATA (VARIABLE LENGTH)
ICMP
0 8 16 31 Bits
TYPE: 0x8
CODE: 0x0
CHECKSUM
ID: 0x2
SEQ NUMBER: 1
Clear
Event List Filters - Visible Events
ICMP, LLDP
Edit Filters
Show All/None
Top

Die Übertragenen Pakete wurden von allen Sniffern empfangen
http://nvs.schreib.at/NVS/5CHIF_20170109_Schreib/