Test Report (TR S2510-PoE-DC)

Patch Version 2.2.0C Build 71585

Techroutes

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1. Introduction

The document communicates the test result for mentioned test-cases of TR S2510-PoE-DC.

2. About this test report

This Test Report provides information of support for adequate multicast group entries for snooping support.

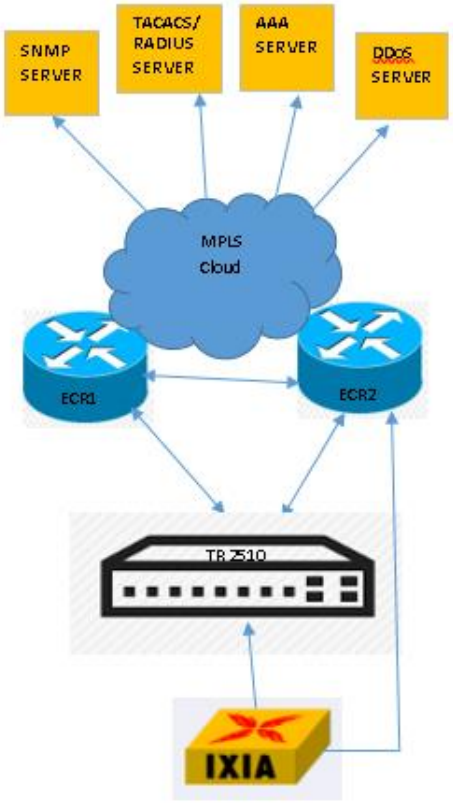
Present software version- Version 2.2.0C Build 71585;
Present hardware version- V1.0;

3. Test Reports

A. RJIL-IP-QA-DS-SYS-027

To check Switch support for adequate multicast group entries for snooping support.

Topology

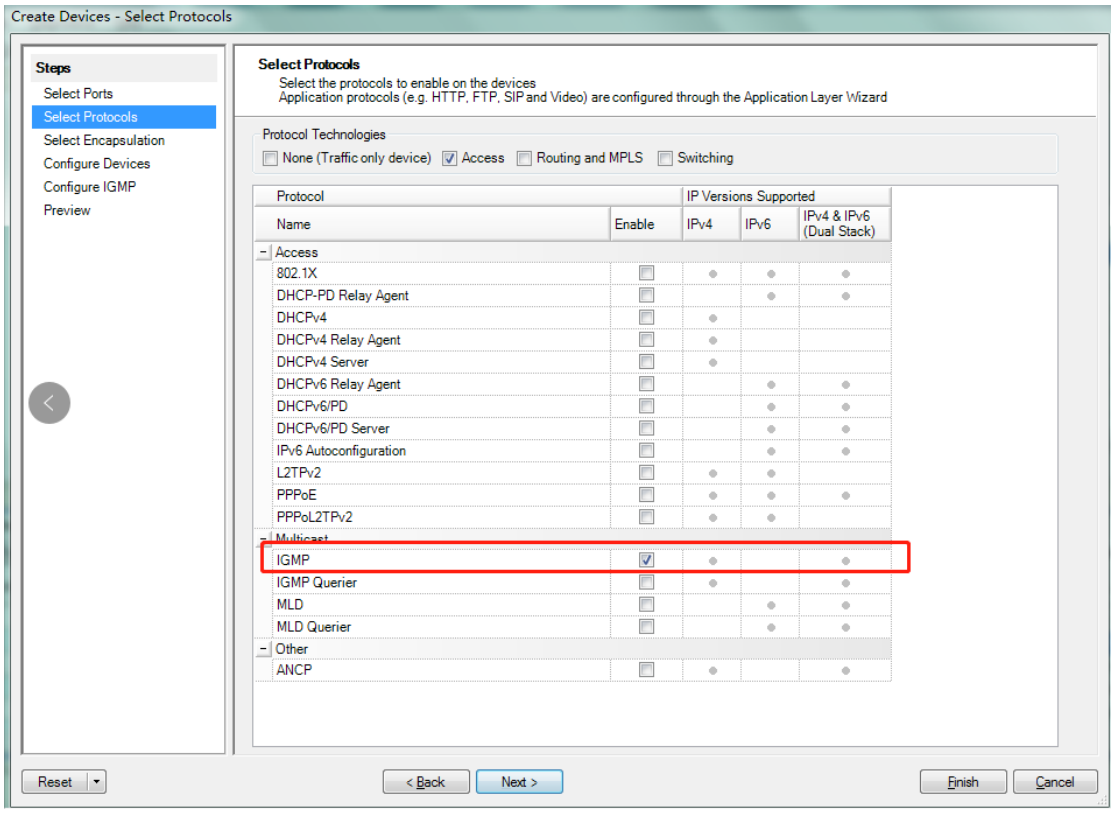


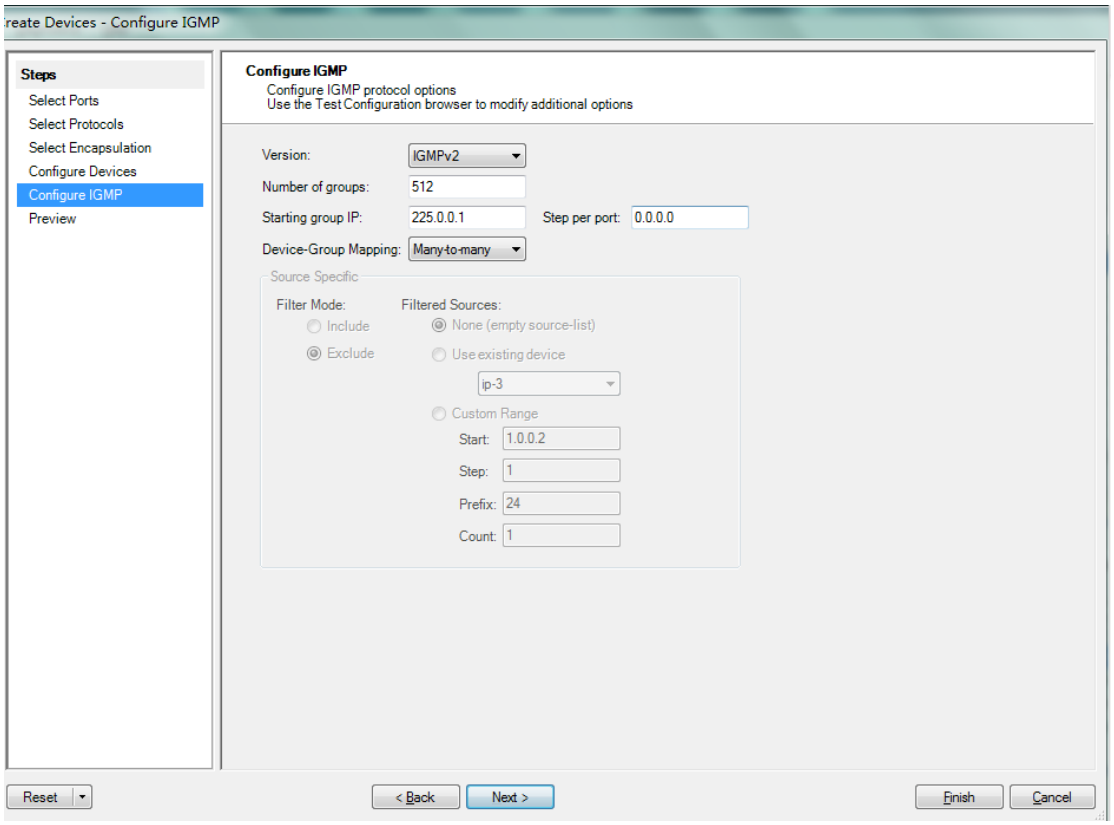
Configuration:

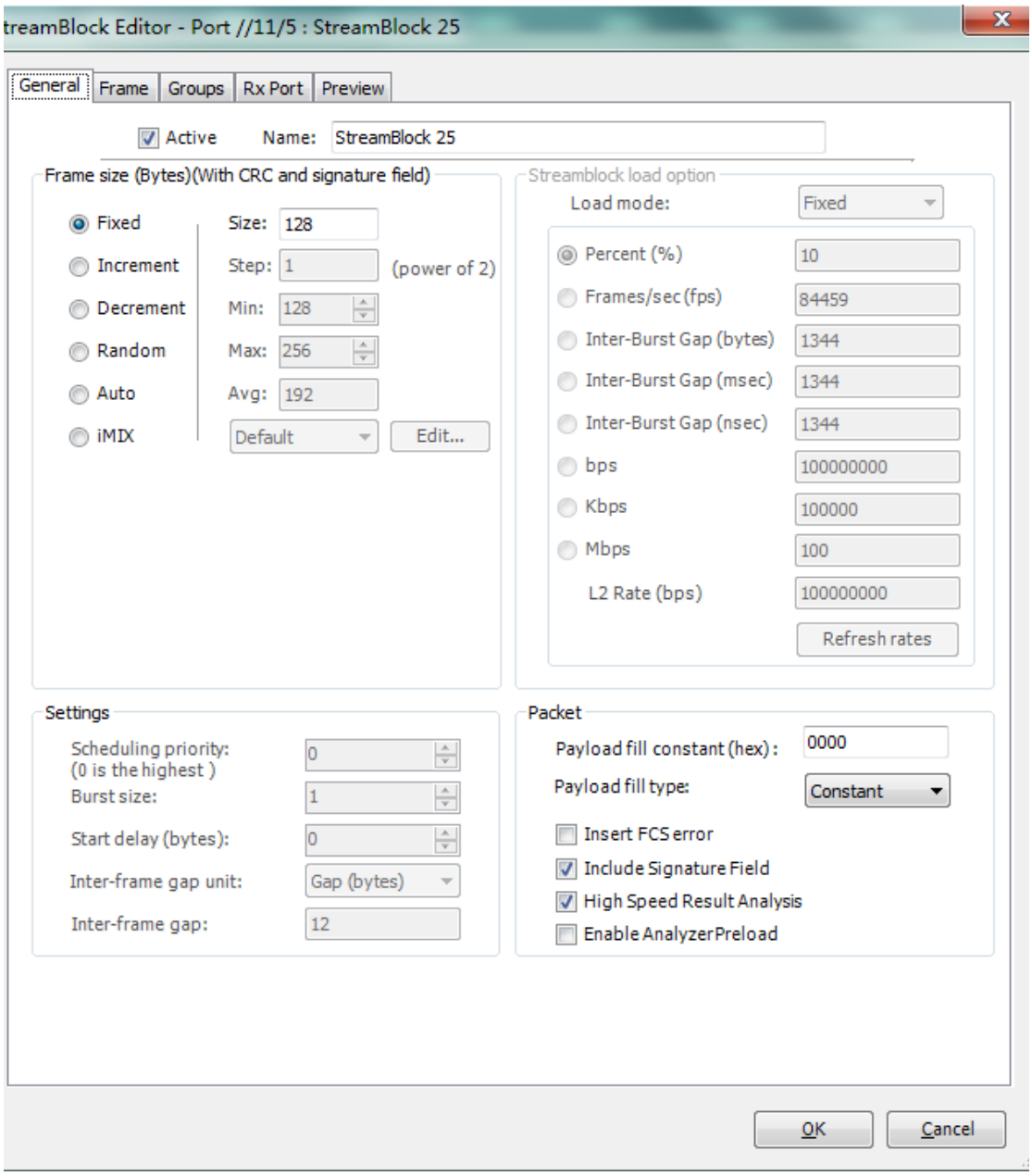
```
vlan 1,890,4094
!
!
ip igmp-snooping
ip igmp-snooping dlf-drop
ip igmp-snooping querier
!
!
!
!
!
!
!
!
!
snmp-server community 0 public RW
snmp-server trap-add-hostname
!
Switch_config#show running-config int g0/3
Building configuration...

Current configuration:
!
interface GigaEthernet0/3
 switchport pvid 4094
```

Spirent Test Device configuration:







Name	Value
Frame	
EthernetII	
Destination MAC	01:00:5E:00:00:01
MAC Modifier	Count=512;Step=00:00:00:00:00:01
Source MAC	00:10:94:00:00:02
EtherType (hex)	<auto> 88B5

Test Result:

1.

```
Switch_config#show ip igmp-snooping groups

          The total number of groups        255

Vlan Group           Type Port(s)
---- --------------- ---- -----------------------------------------------------
4094 225.0.0.1       IGMP g0/4
4094 225.0.0.2       IGMP g0/4
4094 225.0.0.3       IGMP g0/4
4094 225.0.0.4       IGMP g0/4
4094 225.0.0.5       IGMP g0/4
4094 225.0.0.6       IGMP g0/4
4094 225.0.0.7       IGMP g0/4
4094 225.0.0.8       IGMP g0/4
4094 225.0.0.9       IGMP g0/4
4094 225.0.0.10      IGMP g0/4
4094 225.0.0.11      IGMP g0/4
4094 225.0.0.12      IGMP g0/4
4094 225.0.0.13      IGMP g0/4
4094 225.0.0.14      IGMP g0/4
4094 225.0.0.15      IGMP g0/4
4094 225.0.0.16      IGMP g0/4
4094 225.0.0.17      IGMP g0/4
4094 225.0.0.18      IGMP g0/4
```

2.

Port //11/5		*108,108,092*	*864,864,736*	*844,594*	*0*
Port //11/6		*0*	*0*	*0*	*844,595*
Port //11/7		*0*	*0*	*0*	*0*
Port //11/8		*0*	*0*	*0*	*0*

3.

```
Switch_config#show int g0/3
GigaEthernet0/3 is up, line protocol is up
  Ifindex is 3, unique port number is 3
  Hardware is Giga-TX, address is 5ccc.ff19.2e59 (bia 5ccc.ff19.2e59)
  MTU 1500 bytes, BW 1000000 kbit, DLY 10 usec
  Encapsulation ARPA
  Auto-Duplex(Full),  Auto-Speed(1000Mb/s),  Flow-Control Off
  5 minutes input rate 713028980 bits/sec, 696317 packets/sec
  5 minutes output rate 16135 bits/sec, 31 packets/sec
     Received 22978469 packets, 2941244544 bytes
     0 broadcasts, 22978469 multicasts
```

4.

```
Switch_config#show int g0/3
GigaEthernet0/3 is up, line protocol is up
  Ifindex is 3, unique port number is 3
  Hardware is Giga-TX, address is 5ccc.ff19.2e59 (bia 5ccc.ff19.2e59)
  MTU 1500 bytes, BW 1000000 kbit, DLY 10 usec
  Encapsulation ARPA
  Auto-Duplex(Full),  Auto-Speed(1000Mb/s),  Flow-Control Off
  5 minutes input rate 736385811 bits/sec, 719126 packets/sec
  5 minutes output rate 13692 bits/sec, 26 packets/sec
     Received 28045940 packets, 3589880832 bytes
     0 broadcasts, 28045940 multicasts
```