



Test Report TR S2510PoE-DC
Firmware Version build 71585

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1. Introduction

This document is known for problems and solutions for TECHROUTES TR S2510PoE-DC Series switch.

2. About This Test Report

This Test Report provides information for

A. To check the MDS/ EDS shall support relay agent functionality (RFC 3315, RFC 3319) and DHCP option 82,option 77 should be supported.

Present software version- Version 2.2.0C Build 71585;

Present hardware version- V1.0;

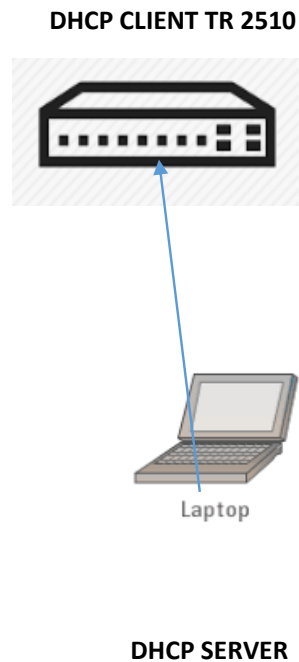


3. Test Report

A. RJIL-IP-QA-DS-SYS-062

1. To check the MDS/ EDS shall support relay agent functionality (RFC 3315, RFC 3319) and DHCP option 82,option 77 should be supported.

2. Test Set up : Switch , DHCP Server





3. Switch Configuration :

1. DHCP option 82

```
interface GigaEthernet0/3
switchport mode trunk
dhcp snooping trust
!
interface GigaEthernet0/4
dhcp snooping information circuit-id string techroutes
dhcp snooping information remote-id string techroutes
!

vlan 1,10,890

ip dhcp-relay snooping
ip dhcp-relay snooping vlan 1,10
ip dhcp-relay snooping information option format manual
!
```

4. Procedure:

1. Connect the DHCP server to the switch



5. Test Result :

Wireshark capture

27	_	0.0.0.0	255.255.255.255	DHCP	373 DHCP Discover - Transaction ID 0x336b740a
27	_	0.0.0.0	255.255.255.255	DHCP	373 DHCP Discover - Transaction ID 0x336b740a
33	_	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x1568e5ed
34	_	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x1568e5ed
35	_	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x1568e5ed
36	_	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x1568e5ed
36	_	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x4cbfaaa6
36	_	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x4cbfaaa6
36	_	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0x4cbfaaa6
37	_	0.0.0.0	255.255.255.255	DHCP	356 DHCP Discover - Transaction ID 0x4cbfaaa6
37	_	0.0.0.0	255.255.255.255	DHCP	368 DHCP Discover - Transaction ID 0xa7e23a24
38	_	0.0.0.0	255.255.255.255	DHCP	368 DHCP Discover - Transaction ID 0xa7e23a24
39	_	0.0.0.0	255.255.255.255	DHCP	368 DHCP Discover - Transaction ID 0xa7e23a24
40	_	0.0.0.0	255.255.255.255	DHCP	348 DHCP Discover - Transaction ID 0x79006bf4
40	_	0.0.0.0	255.255.255.255	DHCP	348 DHCP Discover - Transaction ID 0x79006bf4
40	_	0.0.0.0	255.255.255.255	DHCP	348 DHCP Discover - Transaction ID 0x79006bf4
40	_	0.0.0.0	255.255.255.255	DHCP	348 DHCP Discover - Transaction ID 0x79006bf4

Option: (61) Client identifier
Length: 15

Option: (82) Agent Information Option
Length: 24

- Option 82 Suboption: (1) Agent Circuit ID
Length: 10
Agent Circuit ID: 74656368726f75746573
- Option 82 Suboption: (2) Agent Remote ID
Length: 10
Agent Remote ID: 74656368726f75746573

Option: (255) End

1130	00 00 00 00 00 00 63 82 53 63 0c 06 53 77 69 74c. Sc..Swit
1120	63 68 35 01 01 37 07 01 03 06 0f 96 42 43 3d 0f	chS..7.. ..BC-
1130	30 30 65 30 30 66 34 35 36 62 66 34 2d 76 31 52	00e00f45 6bf4-v1R
1140	18 01 0a 74 65 63 68 72 6f 75 74 65 73 02 0a 74	. .techroutes...t
1150	65 63 68 72 6f 75 74 65 73 ff a5 a5	echroute s...

2. DHCP Option 77 is not supported

