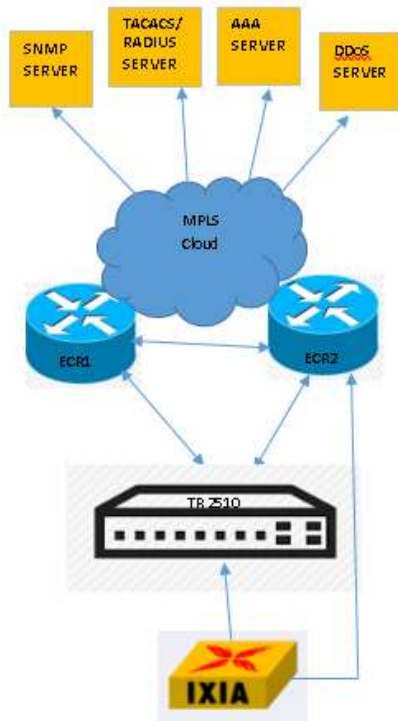# Test Case-20

Test Name: RJIL-IP-QA-DS-SYS-020

Test Objective: Switch shall support IPv4/IPv6 Dual stack.

Test Configuration:

ip default-gateway 192.168.1.11

ipv6 default-gateway 2405:200:1410:1010::81

Switch#

interface VLAN883

 ip address 10.64.89.228 255.255.255.248

 ipv6 address 2405:200:1410:1010::84/124

Test Set up (Including Pre requisites): Switch, ECR 1 , ECR2,IXIA

Procedure: Connect Gi0/1 port of switch to the uplink and configure the default gateway and interface VLAN for IPV4 and IPV6 on the switch

Action:		Response:	
1	Config ipv4 and ipv6 default gateways and give ipv4 and ipv6 addresses to interface vlan . Ping and pingv6	1	Switch should be able to configure and ping IPV4 and IPV6 on same interface vlan

Expected Result: Switch should be able to configure and ping IPV4 and IPV6 both on VLAN 1

Actual Result: Switch#show run int vlan 883

Building configuration...

Current configuration:

!

interface VLAN883

 ip address 10.64.89.228 255.255.255.248

 ipv6 address 2405:200:1410:1010::84/124

Switch#

Switch#show run | in default-gateway

Building configuration...

Current configuration:

!

ip default-gateway 192.168.1.11

ipv6 default-gateway 2405:200:1410:1010::81

Switch#

Switch#ping6 2405:200:1410:1010::81

PING 2405:200:1410:1010:: (2405:200:1410:1010::81): 56 data bytes

!!!!!

```
--- 2405:200:1410:1010:: ping6 statistics ---

5 packets transmitted, 5 packets received, 0% packet loss

round-trip min/avg/max = 0/8/40 ms

Switch#ping 192.168.1.11

PING 192.168.1.11 (192.168.1.11): 56 data bytes

!!!!!

--- 192.168.1.11 ping statistics ---

5 packets transmitted, 5 packets received, 0% packet loss

round-trip min/avg/max = 0/0/0 ms

Switch#
```