

Test Case-48

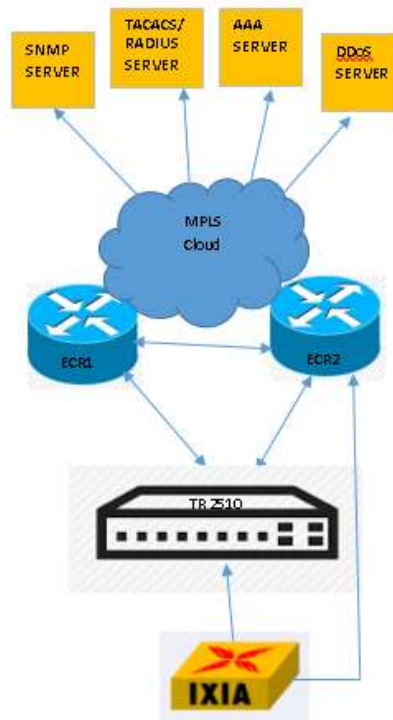
Test Name: RJIL-IP-QA-DS-SYS-049

Test Objective: To check that the demarc should suppress Broadcast/Multicast storm and Support "secure ports" that prevents unauthorized stations from accessing the switch by restricting the number of MAC addresses allowed to access the port.

Test Configuration:

```
interface GigaEthernet0/6
storm-control broadcast threshold 200
storm-control multicast threshold 300
storm-control unicast threshold 100
```

Test Set up (Including Pre requisites): Switch ,ECR1,ECR2, IXIA



Procedure: Connect Switch to IXIA

Action: Generate the traffic from IXIA towards switch		Response: Broadcast/Multicast storm are suppressed by restricting the number of MAC addresses allowed to access the port.	
1	Generate the traffic from IXIA towards switch	1	Broadcast/Multicast storm are suppressed by restricting the number of MAC addresses allowed to access the port.

Problem – Issues:

Notes:

Expected Result: Broadcast/Multicast storm are suppressed by restricting the number of MAC addresses allowed to access the port.

Actual Result:

The screenshot displays the IxNetwork 8.50 EA interface. The top menu includes File, Home, Automation, Results / Reports, Views, Configuration, and Help. The main workspace shows a configuration for 'L2-3 Traffic Items' with a table of items:

Transmit State	Traffic Item Name	Enabled	Flow Groups	Tx Ports	Rx Ports	Endpoint/Encapsulation Sets
1	IPv4	<input type="checkbox"/>	2	2	2	2
2	IPv6	<input type="checkbox"/>	2	2	2	2
3	MAC	<input type="checkbox"/>	1	1	1	1
4	QoS_333	<input type="checkbox"/>	6	2	2	6
5	QoS_335	<input type="checkbox"/>	2	2	2	2
6	Broadcast Storm	<input checked="" type="checkbox"/>	1	1	1	1
7	Unknown unicast	<input checked="" type="checkbox"/>	1	1	1	1
8	Multicast Storm	<input checked="" type="checkbox"/>	1	1	1	1

Below this, the 'Flow Statistics' table is visible:

Tx Port	Rx Port	Traffic Item	Source/Dest Endpoint Pair	Source/Dest Port Pair	Tx Rate (Mbps)	Rx Rate (Mbps)	Packet Loss	Duration (ms)	Loss %	Tx Frames	Rx Frames
1	To CPE LAN	To ECR	QoS_335	2.2.2.1-2.2.2.2	49.998	49.998	0.000	0.000	0.000	141,080	141,080
2	To ECR	To CPE LAN	QoS_335	2.2.2.2-2.2.2.1	49.998	49.998	0.000	0.000	0.000	141,080	141,080
3	To CPE LAN	To ECR	Broadcast Storm		39.996	2.400	31,759.200	93.798	112,864	7,000	
4	To CPE LAN	To ECR	Unknown unicast		30.000	1.200	32,459.600	95.866	84,648	3,490	
5	To CPE LAN	To ECR	Multicast Storm		34.998	3.600	30,259.200	89.368	96,756	10,500	