

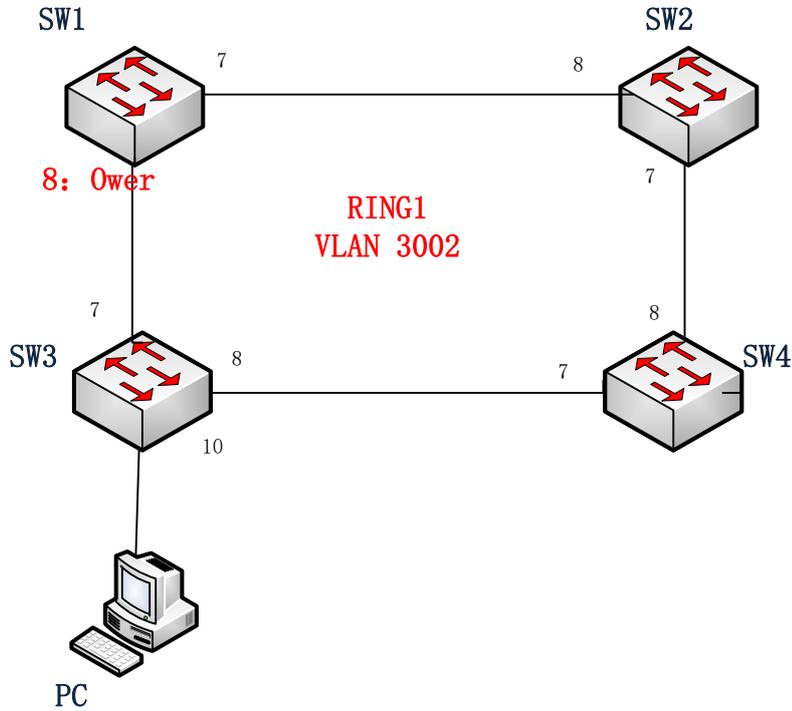
How to configure G.8032 on Case G. Series Switches

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A. Single-Ring Configuration

1. Form SW1 - SW4 into a single ring through ERPS.
2. Users can ping SW1-SW4 from a PC, they can also ping them if Ring is disconnected.



3. Set the IP Address of SW1-SW4 as (192.168.2.1) - (192.168.2.4), and set the ports to trunk port, which are to be used to connect with the ring.

- Information & Status
- MLD Snooping
- DHCP
- Security
- QoS
- Network Admin
 - IP
 - NTP
 - Timezone
 - SNMP
 - SysLog
- Port Configure
- PoE
- Advanced Configure
- Security Configure
- QoS Configure
- Diagnostics
- Maintenance

IP Configuration

Mode	Host
DNS Server 0	No DNS server
DNS Server 1	No DNS server
DNS Server 2	No DNS server
DNS Server 3	No DNS server
DNS Proxy	<input type="checkbox"/>

IP Interfaces

Delete	VLAN	DHCPv4			IPv4		Enable	DHCPv6		IPv6	
		Enable	Fallback	Current Lease	Address	Mask Length		Rapid Commit	Current Lease	Address	Mask Length
<input type="checkbox"/>	1	<input type="checkbox"/>	0		192.168.2.2	24	<input type="checkbox"/>	<input type="checkbox"/>			

Add Interface

IP Routes

Delete	Network	Mask Length	Gateway	Next Hop VLAN
Add Route				

Save Reset

Global VLAN Configuration

Allowed Access VLANs: 1
 EtherType for Custom S-ports: 88A8

Port VLAN Configuration

Port	Mode	Port VLAN	Port Type	Ingress Filtering	Ingress Acceptance	Egress Tagging	Allowed VLANs	Forbidden VLANs
1	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
2	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
3	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
4	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
5	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
6	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
7	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
8	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
9	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
10	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	

- Set SW1 as Ring1, the type of ring is Major.
- Set control VLAN as 3002. Enable APS Protocol in MEP, the type is R-APS.
- Set Port 7 as the East port, Port 8 as the West port. Port 8 is as the owner.

Maintenance Entity Point

Delete	Instance	Domain	Mode	Direction	Residence Port	Level	Flow Instance	Tagged VID	This MAC	Alarm
<input type="checkbox"/>	7	Port	Mep	Down	7	0		3002	9A-86-03-3B-69-08	<input checked="" type="checkbox"/>
<input type="checkbox"/>	8	Port	Mep	Down	8	0		3002	9A-86-03-3B-69-09	<input checked="" type="checkbox"/>

↓ vlan

MEP Configuration

Instance Data

Instance	Domain	Mode	Direction	Residence Port	Flow Instance	Tagged VID	EPS Instance	This MAC
9	Port	Mep	Down	9		3003	2	9A-86-03-3B-58-0A

Instance Configuration

Level	Format	Domain Name	MEG id	MEP id	Tagged VID	Syslog	cLevel	cMEG	cMEP	cAIS	cLCK	cLoop	cConfig
0	ITU ICC		ICC000MEG0000	1	3003	<input type="checkbox"/>	<input checked="" type="checkbox"/>						

Peer MEP Configuration

Delete	Peer MEP ID	Unicast Peer MAC	cLOC	cRDI	cPeriod	cPriority	cDEG
No Peer MEP Added							

Functional Configuration

Continuity Check				APS Protocol				
Enable	Priority	Frame rate	TLV	Enable	Priority	Cast	Type	Last Octet
<input type="checkbox"/>	0	1 f/sec	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	Multi	R-APS	1

TLV Configuration

Organization Specific TLV (Global)

OUI First	OUI Second	OUI Third	Sub-Type	Value
0	0	12	1	2

TLV Status

Peer MEP ID	CC Organization Specific					CC Port Status		CC Interface Status		
	OUI First	OUI Second	OUI Third	Sub-Type	Value	Last RX	Value	Last RX	Value	Last RX
No Peer MEP Added										

Link State Tracking

Enable

Ethernet Rapid Ring Protection Switching

Delete	Ring ID	East Port	West Port	Ring Type	Interconnected Node	Major RRing ID	Alarm
<input type="checkbox"/>	1	7	8	Major	No	1	●

Rapid Ring Configuration 1 Auto-refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
1	7	8	7	8	7	8	Major Ring

Instance Configuration

Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
●	1min	<input checked="" type="checkbox"/>	VLAN Config

RPL Configuration

RPL Role	RPL Port	Clear
RPL_Owner	West Port	<input type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block Status	West Port Block Status	FOP Alarm
Idle	OK	OK	NR RB BPR1	NR RB BPR1 9A-86-03-3B-69-08	NR RB BPR1 9A-86-03-3B-69-08	0	●	●	Unblocked	Blocked	●

7. Set SW2-SW4 as Ring1, the type of Ring is Major. Set control VLAN to 3002.
8. Enable APS Protocol in MEP, the type is R-APS.
9. Set Port 7 as the East port, Port 8 as the West port.
10. The difference in the configuration of Port 8 in SW1, is there is **no need to** set port 8 on SW2-SW4 as the Owner.

Rapid Ring Configuration 1 Auto-refre

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring
1	7	8	7	8	7	8	Maj

Instance Configuration

Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
●	1min	<input checked="" type="checkbox"/>	VLAN Config

RPL Configuration

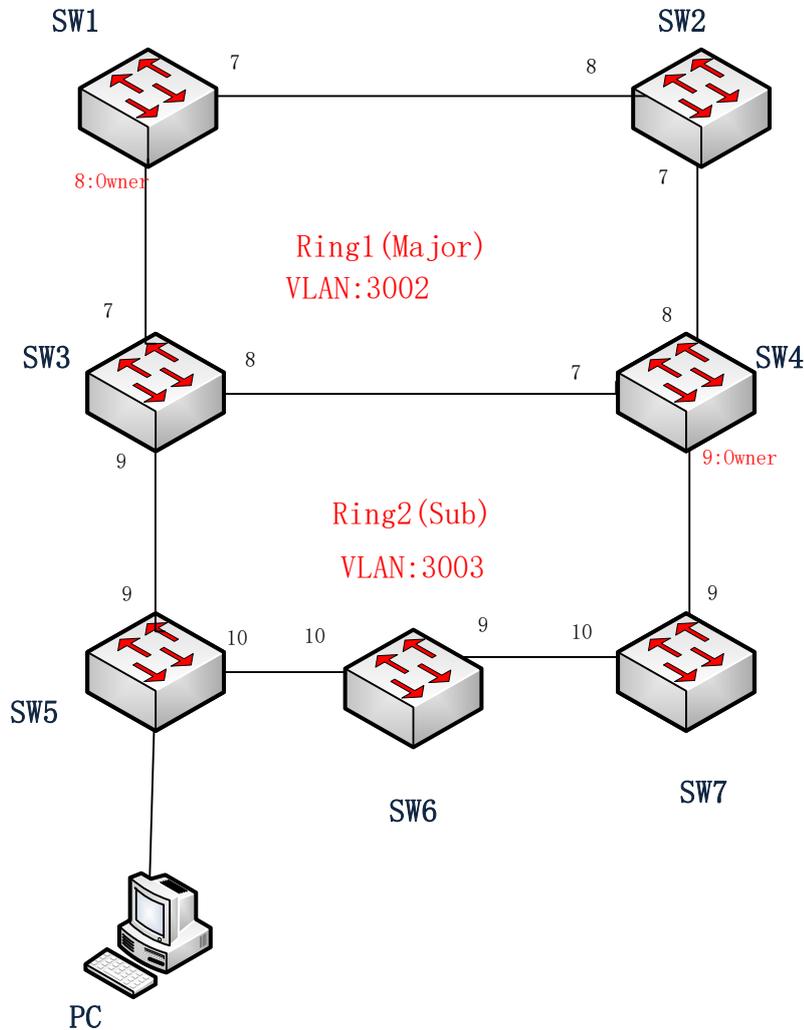
RPL Role	RPL Port	Clear
None	None	<input type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block Status	West Port Block Status	FOP Alarm

B. Coupling-Ring Configuration

1. Form SW1 - SW7 into a coupling ring through ERPS, Users can ping SW1-SW7 from the PC, and they can also ping them if Ring is disconnected.



2. Set the IP of SW1-SW7 to (192.168.2.1) - (192.168.2.7), and set the ports used to connect the switches into trunk ports.

IP Configuration

Mode	Host
DNS Server 0	No DNS server
DNS Server 1	No DNS server
DNS Server 2	No DNS server
DNS Server 3	No DNS server
DNS Proxy	<input type="checkbox"/>

IP Interfaces

Delete	VLAN	DHCPv4			IPv4		DHCPv6		IPv6		
		Enable	Fallback	Current Lease	Address	Mask Length	Enable	Rapid Commit	Current Lease	Address	Mask Length
<input type="checkbox"/>	1	<input type="checkbox"/>	0		192.168.2.2	24	<input type="checkbox"/>	<input type="checkbox"/>			

IP Routes

Delete	Network	Mask Length	Gateway	Next Hop VLAN
<input type="checkbox"/>				

Save | Reset

Global VLAN Configuration

Allowed Access VLANs: 1
 Ethertype for Custom S-ports: 88A8

Port VLAN Configuration

Port	Mode	Port VLAN	Port Type	Ingress Filtering	Ingress Acceptance	Egress Tagging	Allowed VLANs	Forbidden VLANs
1	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
2	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
3	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
4	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
5	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
6	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
7	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
8	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
9	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
10	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	

Save | Reset

- Set SW1 as Ring1, the type is Major, and set control VLAN to 3002.
- Enable APS Protocol in MEP, the type is R-APS.
- Set Port 7 as the East port, Port 8 as the West port. Port 8 is the owner. Add VLAN 3003 to protect Ring1 from messages from Ring2.

Maintenance Entity Point

Delete	Instance	Domain	Mode	Direction	Residence Port	Level	Flow Instance	Tagged VID	This MAC	Alarm
<input type="checkbox"/>	Z	Port	Mep	Down	7	0		3002	9A-86-03-3B-69-08	●
<input type="checkbox"/>	8	Port	Mep	Down	8	0		3002	9A-86-03-3B-69-09	●

Save | Reset

vlan

MEP Configuration Refresh

Instance Data

Instance	Domain	Mode	Direction	Residence Port	Flow Instance	Tagged VID	EPS Instance	This MAC
9	Port	Mep	Down	9		3003	2	9A-86-03-3B-58-0A

Instance Configuration

Level	Format	Domain Name	MEG id	MEP id	Tagged VID	Syslog	cLevel	cMEG	cMEP	cAIS	cLCK	cLoop	cConfig
0	ITU ICC		IC0000MEG0000	1	3003	<input type="checkbox"/>	<input checked="" type="checkbox"/>						

Peer MEP Configuration

Delete	Peer MEP ID	Unicast Peer MAC	cLOC	cRDI	cPeriod	cPriority	cDEG
No Peer MEP Added							

Functional Configuration

Continuity Check				APS Protocol				
Enable	Priority	Frame rate	TLV	Enable	Priority	Cast	Type	Last Octet
<input type="checkbox"/>	0	1 f/sec	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	Multi	R-APS	1

TLV Configuration

Organization Specific TLV (Global)				
OUI First	OUI Second	OUI Third	Sub-Type	Value
0	0	12	1	2

TLV Status

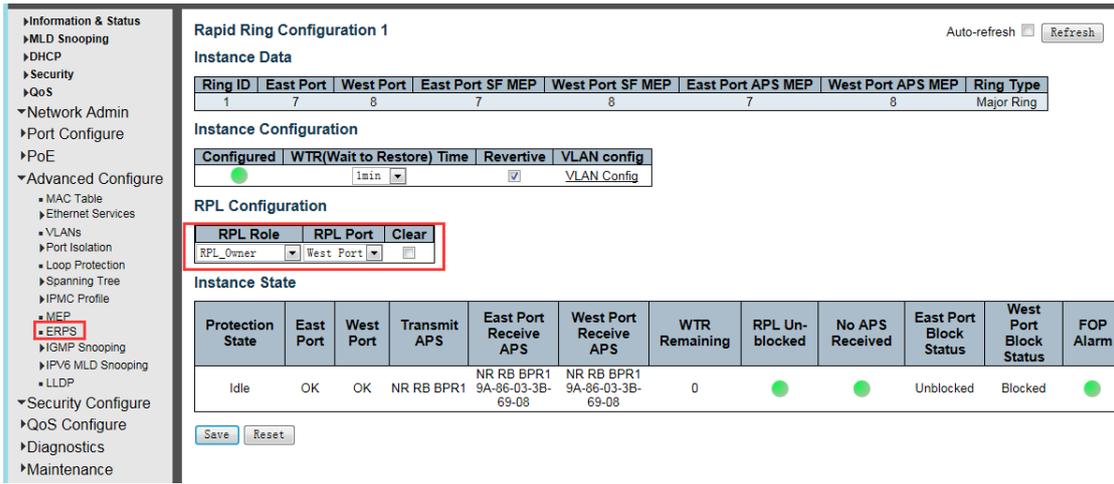
Peer MEP ID	CC Organization Specific					CC Port Status		CC Interface Status		
	OUI First	OUI Second	OUI Third	Sub-Type	Value	Last RX	Value	Last RX	Value	Last RX
No Peer MEP Added										

Link State Tracking

Enable

Ethernet Rapid Ring Protection Switching

Delete	Ring ID	East Port	West Port	Ring Type	Interconnected Node	Major RRing ID	Alarm
<input type="checkbox"/>	1	7	8	Major	No	1	<input checked="" type="checkbox"/>



Rapid Ring Configuration 1 Auto-refresh Refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
1	7	8	7	8	7	8	Major Ring

Instance Configuration

Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
<input checked="" type="checkbox"/>	1min	<input checked="" type="checkbox"/>	VLAN Config

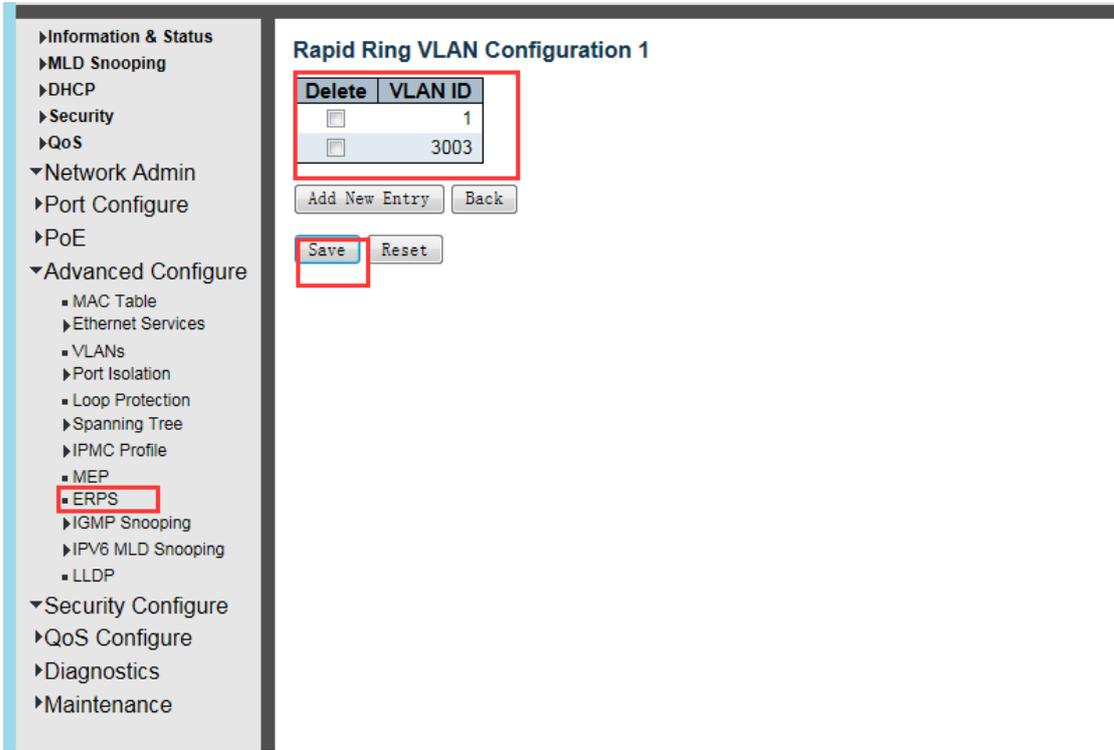
RPL Configuration

RPL Role	RPL Port	Clear
RPL_Owner	West Port	<input type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block Status	West Port Block Status	FOP Alarm
Idle	OK	OK	NR RB BPR1	9A-86-03-3B-69-08	9A-86-03-3B-69-08	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unblocked	Blocked	<input checked="" type="checkbox"/>

Save Reset



Rapid Ring VLAN Configuration 1

Delete	VLAN ID
<input type="checkbox"/>	1
<input type="checkbox"/>	3003

Add New Entry Back

Save Reset

6. Set SW2 as Ring1, the type of Ring is Major.
7. Set control VLAN to 3002. Set Port 7 as the East port, Port 8 as the West port.
8. Add VLAN 3003 to protect Ring1 from message from Ring2. The configuration of MEP is same with step 3.

Maintenance Entity Point Refresh

Delete	Instance	Domain	Mode	Direction	Residence Port	Level	Flow Instance	Tagged VID	This MAC	Alarm
<input type="checkbox"/>	7	Port	Mep	Down	7	0		3002	9A-86-03-3C-79-08	●
<input type="checkbox"/>	8	Port	Mep	Down	8	0		3002	9A-86-03-3C-79-09	●

Ethernet Rapid Ring Protection Switching

Delete	Ring ID	East Port	West Port	Ring Type	Interconnected Node	Major RRing ID	Alarm
<input type="checkbox"/>	1	7	8	Major	No	1	●

Rapid Ring Configuration 1 Auto-refresh Refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
1	7	8	7	8	7	8	Major Ring

Instance Configuration

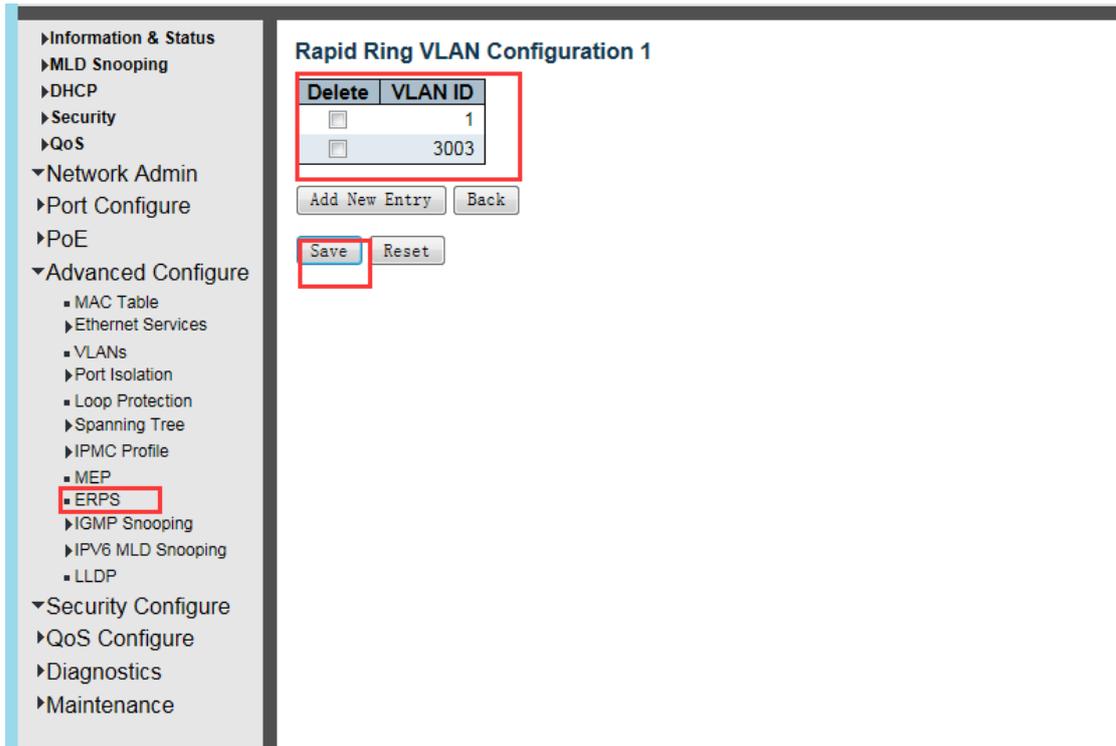
Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
●	1min	<input checked="" type="checkbox"/>	VLAN Config

RPL Configuration

RPL Role	RPL Port	Clear
None	None	<input type="checkbox"/>

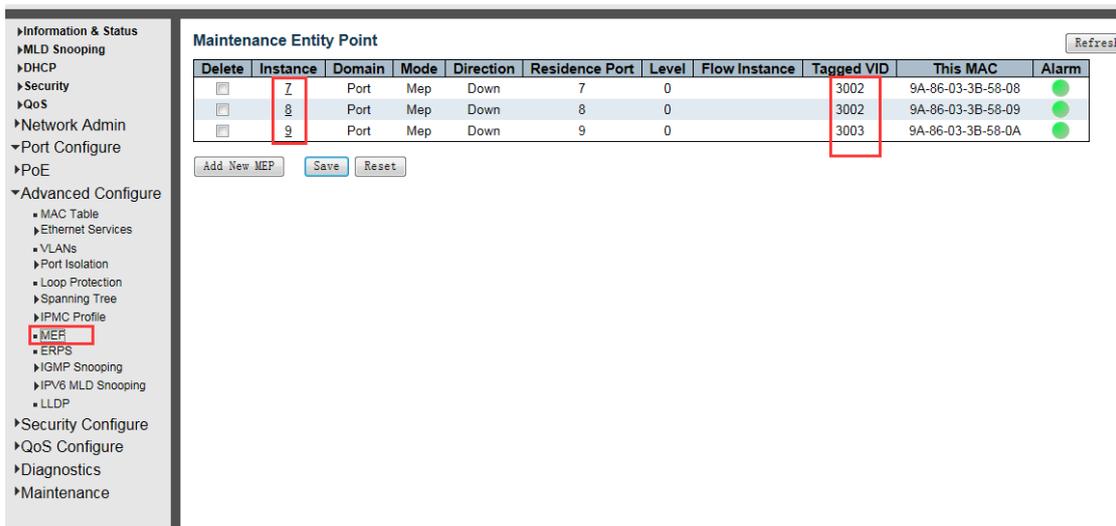
Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block Status	West Port Block Status	FOP Alarm
Idle	OK	OK		NR RB BPR1 9A-86-03-3B-69-08	NR RB BPR1 9A-86-03-3B-69-08	0	●	●	Unblocked	Unblocked	●



9. Set port 7-8 of SW3 as Ring1, the type is Major.
10. Set control VLAN to 3002. Set Port 7 as the East port, Port 8 as the West port.
11. Add VLAN 3003 to protect Ring1 from messages from Ring2.
12. Set port 9-10 of SW3 as Ring2, the type is Major.
13. Set control VLAN as 3003. And set Port 9 as the East port, Port 10 as the West port.
14. Add VLAN 3002 to protect Ring 2 from messages from Ring1. Click Interconnected Node for RING1 and RING2.

RING1:



Ethernet Rapid Ring Protection Switching

Delete	Ring ID	East Port	West Port	Ring Type	Interconnected Node	Major RRing ID	Alarm
<input type="checkbox"/>	1	7	8	Major	Yes	1	●
<input type="checkbox"/>	2	9	-	Sub	Yes	1	●

Rapid Ring Configuration 1 Auto-refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
1	7	8	7	8	7	8	Major Ring

Instance Configuration

Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
●	1min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> VLAN Config

RPL Configuration

RPL Role	RPL Port	Clear
None	None	<input type="checkbox"/>

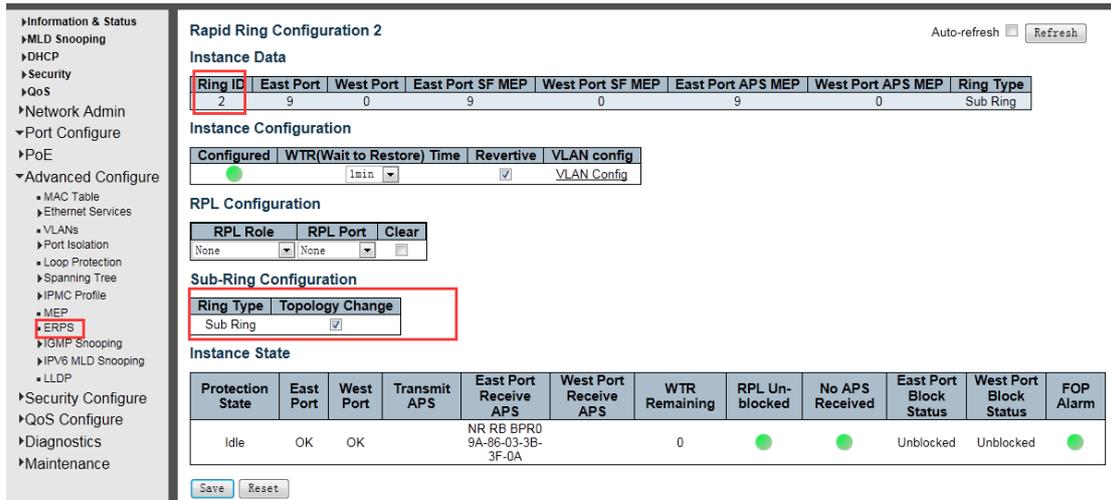
Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block Status	West Port Block Status	FOP Alarm
Idle	OK	OK		NR RB BPR1 9A-86-03-3B-69-08	NR RB BPR1 9A-86-03-3B-69-08	0	●	●	Unblocked	Unblocked	●

Rapid Ring VLAN Configuration 1

Delete	VLAN ID
<input type="checkbox"/>	1
<input type="checkbox"/>	3003

RING2:



Rapid Ring Configuration 2 Auto-refresh Refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
2	9	0	9	0	9	0	Sub Ring

Instance Configuration

Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
<input checked="" type="checkbox"/>	1min	<input checked="" type="checkbox"/>	VLAN Config

RPL Configuration

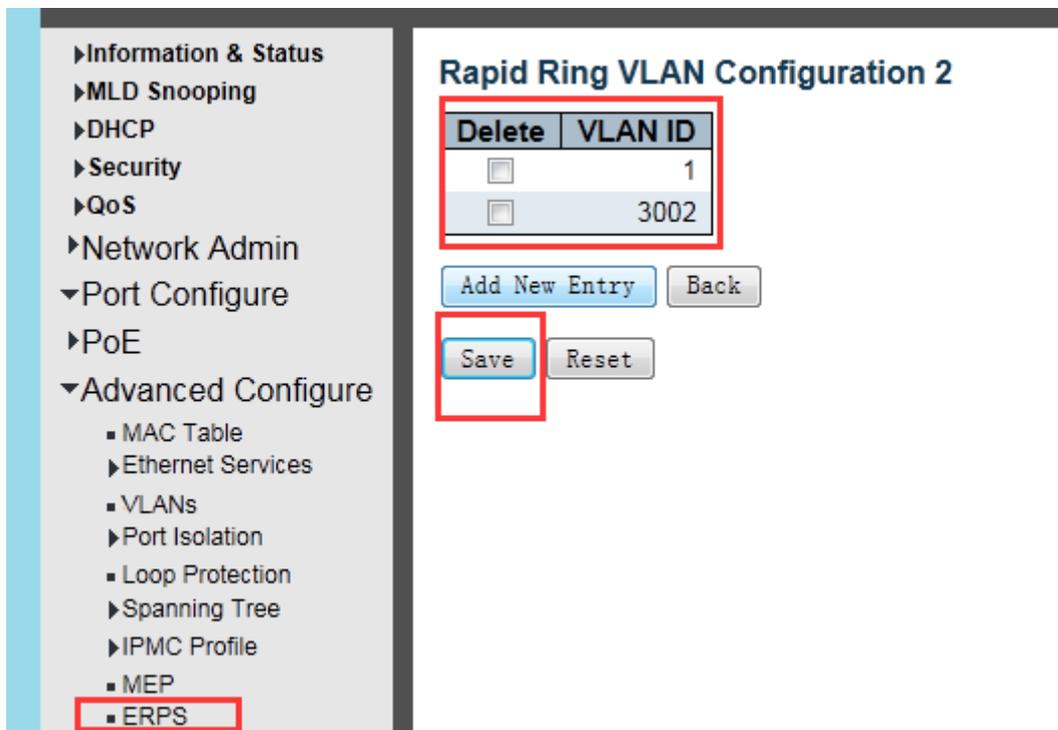
RPL Role	RPL Port	Clear
None	None	<input type="checkbox"/>

Sub-Ring Configuration

Ring Type	Topology Change
Sub Ring	<input checked="" type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Unblocked	No APS Received	East Port Block Status	West Port Block Status	FOP Alarm
Idle	OK	OK		NR R5 BPR0 9A-86-03-3B- 3F-0A		0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unblocked	Unblocked	<input checked="" type="checkbox"/>



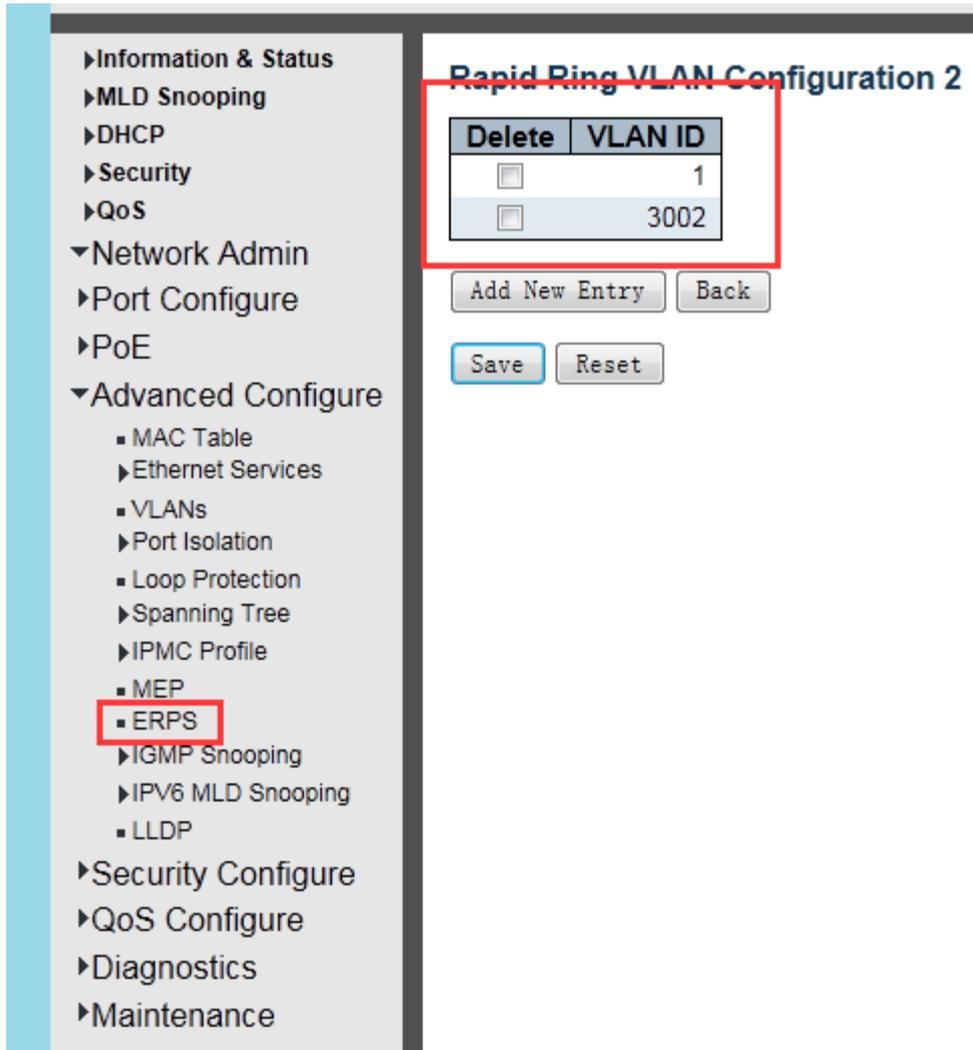
Rapid Ring VLAN Configuration 2

Delete	VLAN ID
<input type="checkbox"/>	1
<input type="checkbox"/>	3002

15. Same configuration with SW3 for SW4.

16. The difference is the requirement to set port 9 as the owner.

17. Set SW5 as Ring 2, the type is Sub, and set control VLAN as 3003. Set Port 9 as the East port, Port 10 as the West port. Add VLAN 3002 to protect Ring2 from messages from Ring1. Configuration of MEP is same with Step 3.

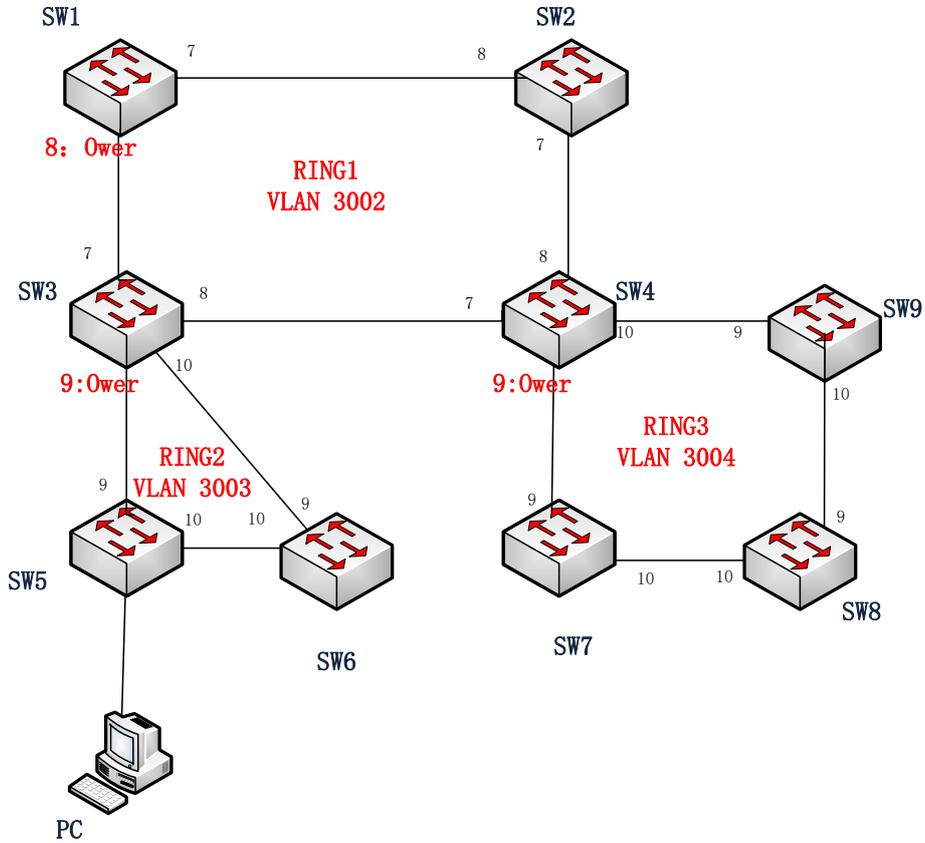


17. Configuration of SW6 & SW7 is same with SW5.

18. Test the configuration result. Users can ping SW1-SW7 from a PC, they can also ping them if the ring is disconnected.

C. Intersecting-ring Configuration

1. Form SW1 - SW9 to an intersecting ring through ERPS. Users can ping SW1-SW9 from the PC, and can also ping them if Ring is disconnected.



2. Set the IP of SW1-SW9 as (192.168.2.1) - (192.168.2.9), and set the ports used to connect the switches into a ring to trunk port.

- Information & Status
- MLD Snooping
- DHCP
- Security
- QoS
- Network Admin
 - IP**
 - NTP
 - Timezone
 - SNMP
 - SysLog
- Port Configure
- PoE
- Advanced Configure
- Security Configure
- QoS Configure
- Diagnostics
- Maintenance

IP Configuration

Mode	Host
DNS Server 0	No DNS server
DNS Server 1	No DNS server
DNS Server 2	No DNS server
DNS Server 3	No DNS server
DNS Proxy	<input type="checkbox"/>

IP Interfaces

Delete	VLAN	DHCPv4			IPv4		DHCPv6		IPv6	
		Enable	Fallback	Current Lease	Address	Mask Length	Enable	Rapid Commit	Current Lease	Address
<input type="checkbox"/>	1	<input type="checkbox"/>	0		192.168.2.2	24	<input type="checkbox"/>	<input type="checkbox"/>		

Add Interface

IP Routes

Delete	Network	Mask Length	Gateway	Next Hop VLAN
<input type="checkbox"/>				

Add Route

Save Reset

Global VLAN Configuration

Allowed Access VLANs: 1
 Ethertype for Custom S-ports: 88A8

Port VLAN Configuration

Port	Mode	Port VLAN	Port Type	Ingress Filtering	Ingress Acceptance	Egress Tagging	Allowed VLANs	Forbidden VLANs
*	<>	1	<>	<input checked="" type="checkbox"/>	<>	<>	1	
1	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
2	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
3	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
4	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
5	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
6	Access	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag All	1	
7	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
8	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
9	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
10	Trunk	1	C-Port	<input checked="" type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	

Save Reset

- Set SW1 as Ring1, the type is Major.
- Set control VLAN as 3002. Enable APS Protocol in MEP, the type is R-APS.
- Set Port 7 as the East port, and Port 8 as the West port.
- Set Port 8 as the owner.
- Add VLAN 3003 & 3004 to protect Ring1 from message from Ring 2 & Ring3.

Maintenance Entity Point

Delete	Instance	Domain	Mode	Direction	Residence Port	Level	Flow Instance	Tagged VID	This MAC	Alarm
<input type="checkbox"/>	Z	Port	Mep	Down	7	0		3002	9A-86-03-3B-69-08	●
<input type="checkbox"/>	g	Port	Mep	Down	8	0		3002	9A-86-03-3B-69-09	●

Add New MEP Save Reset

vlan

MEP Configuration Refresh

Instance Data

Instance	Domain	Mode	Direction	Residence Port	Flow Instance	Tagged VID	EPS Instance	This MAC
9	Port	Mep	Down	9		3003	2	9A-86-03-3B-58-0A

Instance Configuration

Level	Format	Domain Name	MEG id	MEP id	Tagged VID	Syslog	cLevel	cMEG	cMEP	cAIS	cLCK	cLoop	cConfig
0	ITU ICC		IC0000MEG0000	1	3003	<input type="checkbox"/>	<input checked="" type="checkbox"/>						

Peer MEP Configuration

Delete	Peer MEP ID	Unicast Peer MAC	cLOC	cRDI	cPeriod	cPriority	cDEG
No Peer MEP Added							

Functional Configuration

Continuity Check				APS Protocol				
Enable	Priority	Frame rate	TLV	Enable	Priority	Cast	Type	Last Octet
<input type="checkbox"/>	0	1 f/sec	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	Multi	R-APS	1

TLV Configuration

Organization Specific TLV (Global)				
OUI First	OUI Second	OUI Third	Sub-Type	Value
0	0	12	1	2

TLV Status

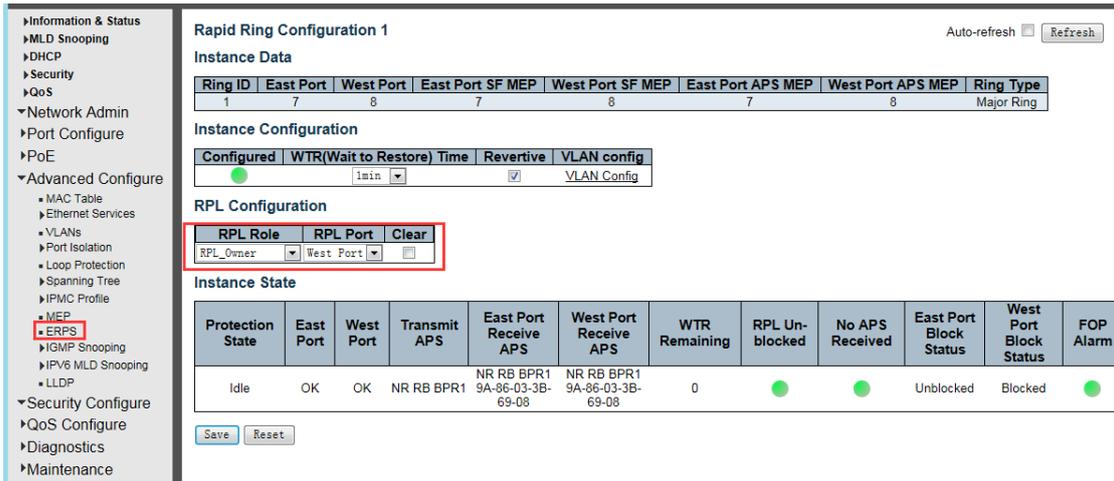
Peer MEP ID	CC Organization Specific				CC Port Status		CC Interface Status	
	OUI First	OUI Second	OUI Third	Sub-Type	Value	Last RX	Value	Last RX
No Peer MEP Added								

Link State Tracking

Enable

Ethernet Rapid Ring Protection Switching

Delete	Ring ID	East Port	West Port	Ring Type	Interconnected Node	Major RRing ID	Alarm
<input type="checkbox"/>	1	7	8	Major	No	1	<input checked="" type="checkbox"/>



Rapid Ring Configuration 1 Auto-refresh Refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
1	7	8	7	8	7	8	Major Ring

Instance Configuration

Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
<input checked="" type="checkbox"/>	1min	<input checked="" type="checkbox"/>	VLAN Config

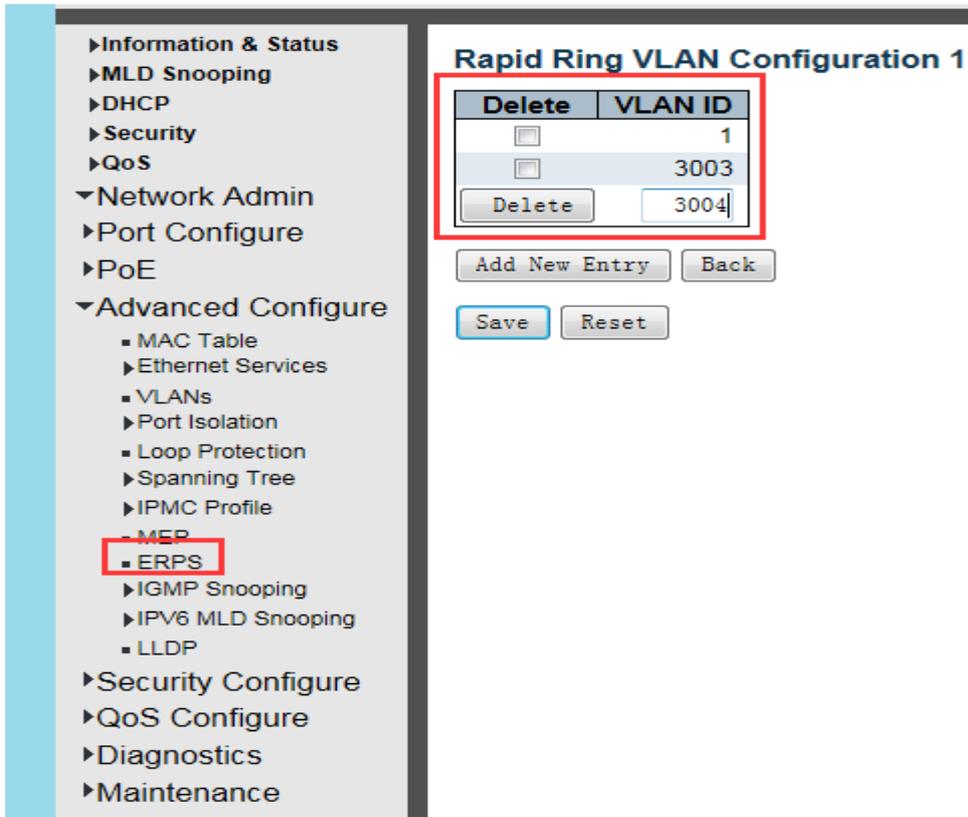
RPL Configuration

RPL Role	RPL Port	Clear
RPL_Owner	West Port	<input type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block Status	West Port Block Status	FOP Alarm
Idle	OK	OK	NR RB BPR1	9A-86-03-3B-69-08	9A-86-03-3B-69-08	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unblocked	Blocked	<input checked="" type="checkbox"/>

Save Reset



Rapid Ring VLAN Configuration 1

Delete	VLAN ID
<input type="checkbox"/>	1
<input type="checkbox"/>	3003
<input type="checkbox"/>	3004

Delete

Add New Entry Back

Save Reset

8. Configuration of SW2 is same with SW1.
9. Set port 7-8 of SW3 as Ring1, the type is Major. Set control VLAN as 3002.
10. Set Port 7 as the East port.
11. Add VLAN 3003 & 3004 to protect Ring1 from message from Ring 2 & Ring3.
12. Set port 9-10 of SW3 to Ring 2, the type is Major, and set control VLAN as 3003.
13. Set Port 9 as the East port
14. Set Port 10 as the West port. Add VLAN 3002 & 3004 to protect Ring 2 from message from Ring 1 & Ring3.

Maintenance Entity Point Refresh

Delete	Instance	Domain	Mode	Direction	Residence Port	Level	Flow Instance	Tagged VID	This MAC	Alarm
<input type="checkbox"/>	7	Port	Mep	Down	7	0		3002	9A-86-03-3B-58-08	●
<input type="checkbox"/>	8	Port	Mep	Down	8	0		3002	9A-86-03-3B-58-09	●
<input type="checkbox"/>	9	Port	Mep	Down	9	0		3003	9A-86-03-3B-58-0A	●
<input type="checkbox"/>	10	Port	Mep	Down	10	0		3003	9A-86-03-3B-58-0B	●

Ethernet Rapid Ring Protection Switching

Delete	Ring ID	East Port	West Port	Ring Type	Interconnected Node	Major RRing ID	Alarm
<input type="checkbox"/>	1	7	8	Major	No	1	●
<input type="checkbox"/>	2	9	10	Major	No	2	●

RING1:

Rapid Ring Configuration 1 Auto-refresh Refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
1	7	8	7	8	7	8	Major Ring

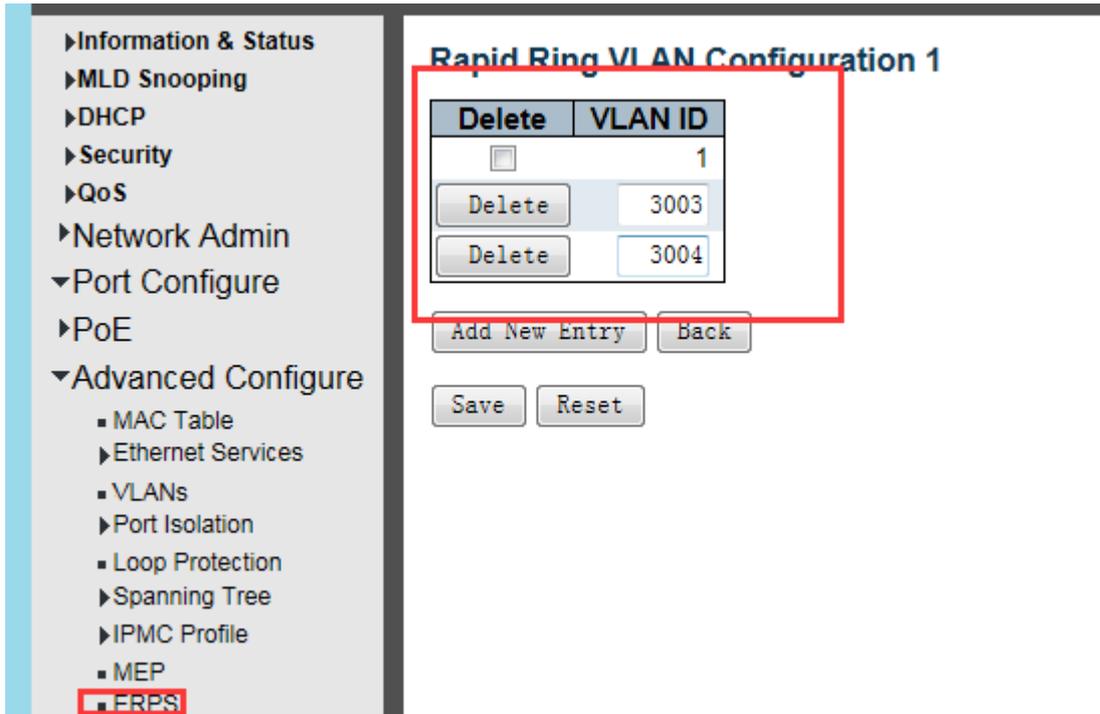
Instance Configuration

RPL Configuration

RPL Role	RPL Port	Clear
None	None	<input type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive APS	West Port Receive APS	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block	West Port Block	FOP Alarm



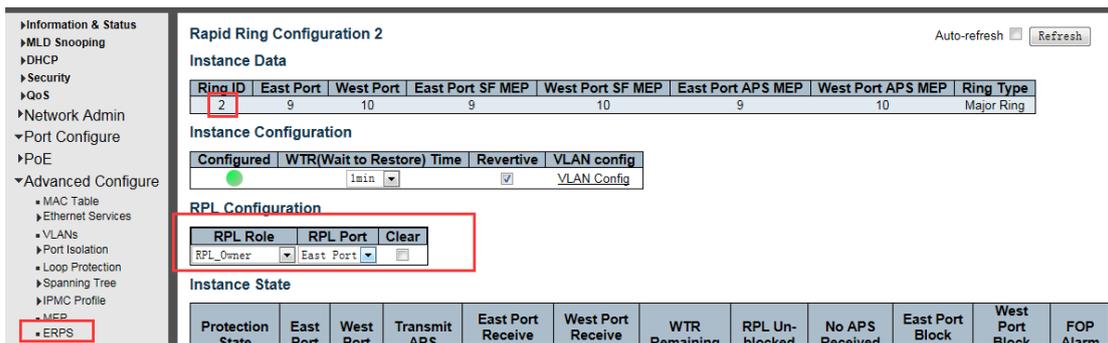
Rapid Ring VLAN Configuration 1

Delete	VLAN ID
<input type="checkbox"/>	1
Delete	3003
Delete	3004

Buttons: Add New Entry, Back, Save, Reset

Left sidebar menu: Information & Status, MLD Snooping, DHCP, Security, QoS, Network Admin, Port Configure, PoE, Advanced Configure (MAC Table, Ethernet Services, VLANs, Port Isolation, Loop Protection, Spanning Tree, IPMC Profile, MEP, **ERPS**)

RING2:



Rapid Ring Configuration 2 Auto-refresh Refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Type
2	9	10	9	10	9	10	Major Ring

Instance Configuration

Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
<input checked="" type="checkbox"/>	1min	<input checked="" type="checkbox"/>	VLAN Config

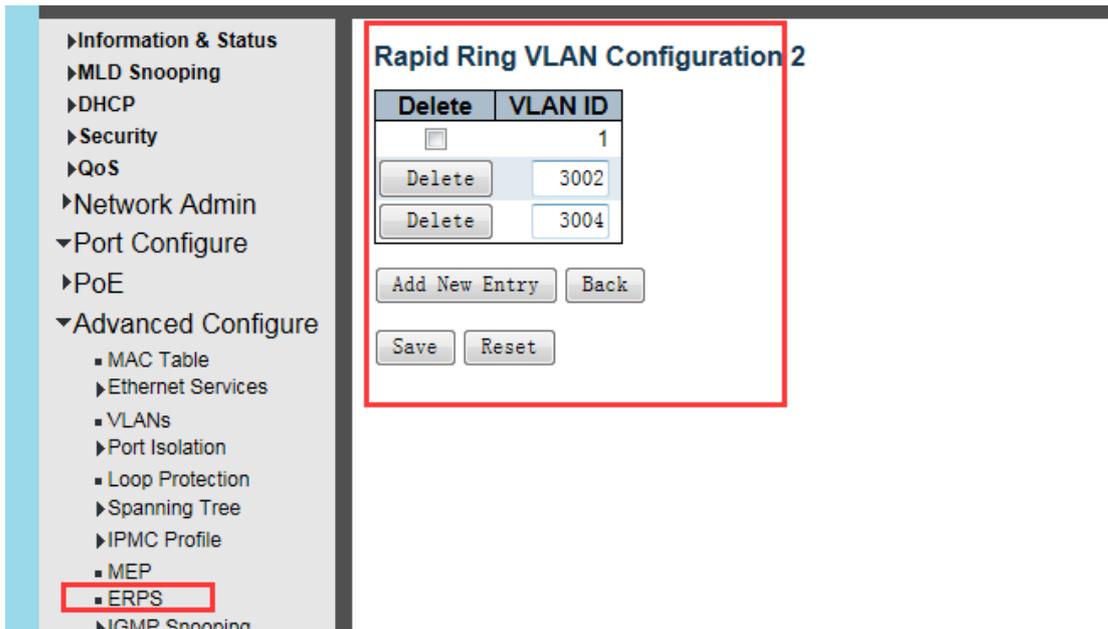
RPL Configuration

RPL Role	RPL Port	Clear
RPL_Owner	East Port	<input type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive	West Port Receive	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block	West Port Block	FOP Alarm

Left sidebar menu: Information & Status, MLD Snooping, DHCP, Security, QoS, Network Admin, Port Configure, PoE, Advanced Configure (MAC Table, Ethernet Services, VLANs, Port Isolation, Loop Protection, Spanning Tree, IPMC Profile, MEP, **ERPS**)



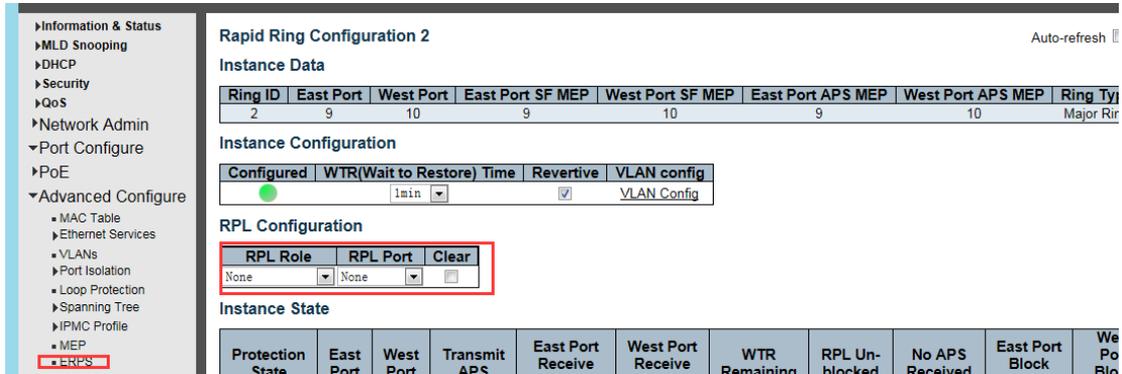
Rapid Ring VLAN Configuration 2

Delete	VLAN ID
<input type="checkbox"/>	1
Delete	3002
Delete	3004

Buttons: Add New Entry, Back, Save, Reset

Left sidebar menu: Information & Status, MLD Snooping, DHCP, Security, QoS, Network Admin, Port Configure, PoE, Advanced Configure (MAC Table, Ethernet Services, VLANs, Port Isolation, Loop Protection, Spanning Tree, IPMC Profile, MEP, **ERPS**, IGMP Snooping)

15. Set Port 9-10 of SW5 as Ring2, the type is Major. Set control VLAN as 3003.
16. Set Port 9 as the East port, Port 10 as the West port.
17. Add VLAN 3002 & 3004 to protect Ring2 from messages from Ring1 & Ring3.



Rapid Ring Configuration 2 Auto-refresh

Instance Data

Ring ID	East Port	West Port	East Port SF MEP	West Port SF MEP	East Port APS MEP	West Port APS MEP	Ring Ty
2	9	10	9	10	9	10	Major Ring

Instance Configuration

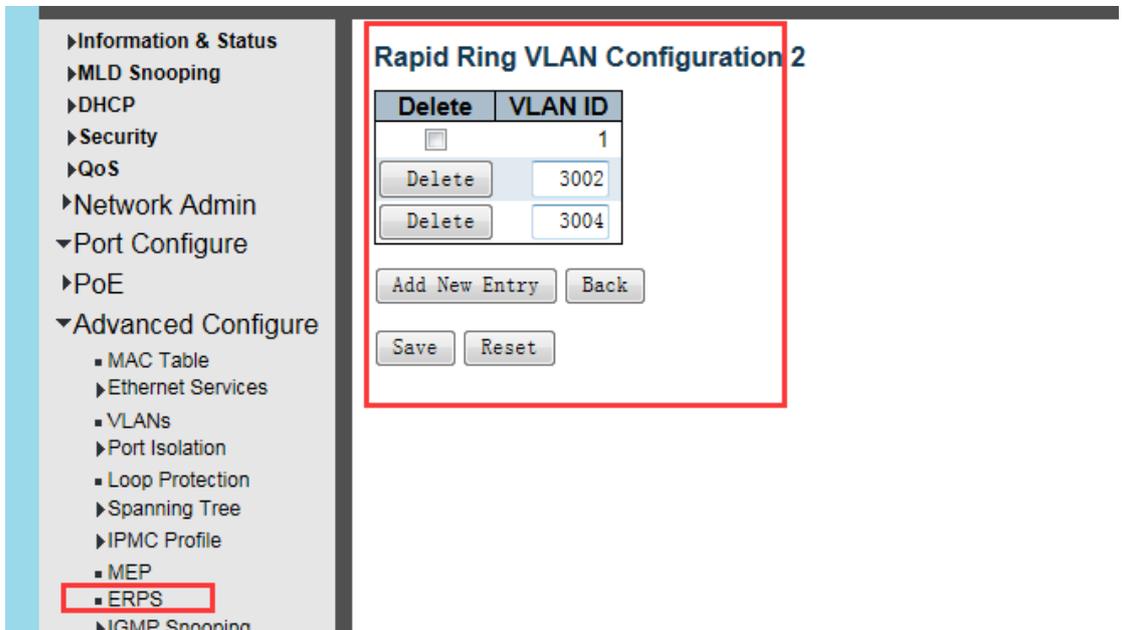
Configured	WTR(Wait to Restore) Time	Revertive	VLAN config
<input checked="" type="checkbox"/>	1min	<input checked="" type="checkbox"/>	VLAN Config

RPL Configuration

RPL Role	RPL Port	Clear
None	None	<input type="checkbox"/>

Instance State

Protection State	East Port	West Port	Transmit APS	East Port Receive	West Port Receive	WTR Remaining	RPL Un-blocked	No APS Received	East Port Block	West Port Block



Rapid Ring VLAN Configuration 2

Delete	VLAN ID
<input type="checkbox"/>	1
Delete	3002
Delete	3004

18. Configuration of SW4 is same as SW3.
19. Configuration of SW6-9 is same as SW5.