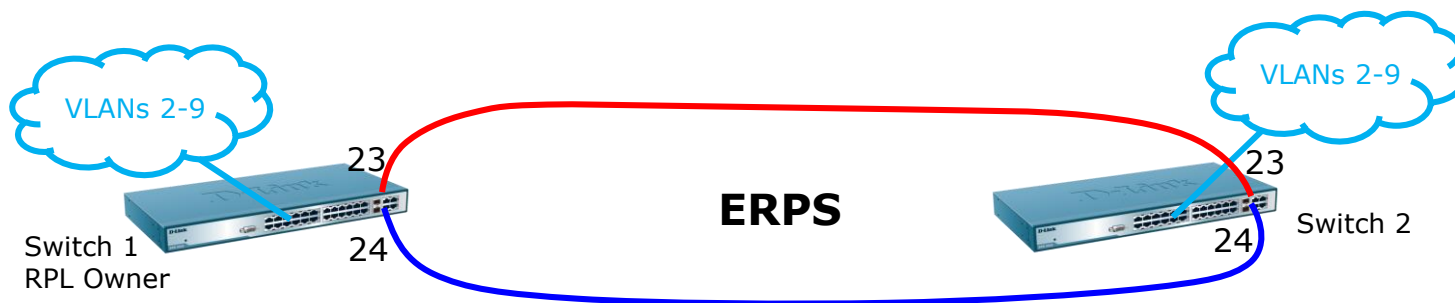


# DGS-3630 Series Switches

## Ethernet Ring Protection Switching (ERPS) Setup

# ERPS Setup (CLI)

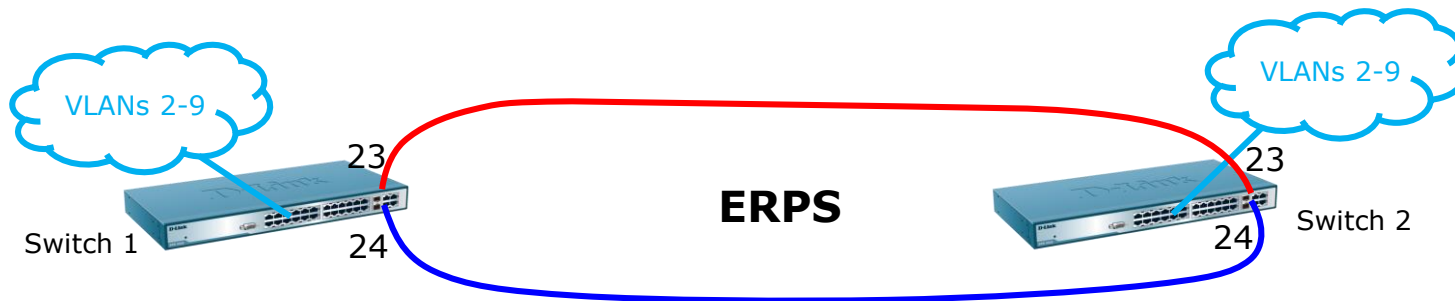


```
# vlan 1-9
# exit
# interface range eth1/0/23-24
# switchport mode trunk
# switchport trunk allowed vlan 1-9
# exit
# ethernet ring g8032 Ring1
# port0 interface eth1/0/23
# port1 interface eth1/0/24
# instance 1
# r-aps channel-vlan 1
# inclusion-list vlan-ids 2-9
# rpl port0 owner
# activate
```

```
# vlan 1-9
# exit
# interface range eth1/0/23-24
# switchport mode trunk
# switchport trunk allowed vlan 1-9
# exit
# ethernet ring g8032 Ring1
# port0 interface eth1/0/23
# port1 interface eth1/0/24
# instance 1
# r-aps channel-vlan 1
# inclusion-list vlan-ids 2-9
# activate
```

Note: if you are also running STP, the STP-enabled ports need to be on a separate VLAN.

# ERPS Setup (GUI)



Fuzzy Search

- DGS-3630-28TC
  - System
  - Management
  - L2 Features
    - FDB
    - VLAN
    - VLAN Tunnel
    - STP
    - ERPS (G.8032)
      - ERPS**
      - ERPS Profile
      - Loopback Detection

## Edit Ethernet Ring

### Ethernet Ring Settings

- |                    |   |
|--------------------|---|
| Ethernet Ring Name | Ring1   |
| Instance ID (1-32) | 1 <input checked="" type="checkbox"/> None <input type="checkbox"/> Specify         |
| Sub Ring Name      | 32 chars <input type="checkbox"/> None <input type="checkbox"/> Specify             |
| Port0              | eth1/0/23 <input checked="" type="checkbox"/> None <input type="checkbox"/> Specify |
| Port1              | eth1/0/24 <input checked="" type="checkbox"/> None <input type="checkbox"/> Specify |
| Ring ID            | 1 <input checked="" type="checkbox"/> None <input type="checkbox"/> Specify         |
| Ring Type          | Major ring <input checked="" type="checkbox"/>                                      |

# ERPS Setup (GUI)

## Edit Ethernet Instance

Ethernet Instance Settings

Ethernet Ring Name	Ring1
Instance ID	1
Description	64 chars <input type="checkbox"/> None <input checked="" type="radio"/> Specify
R-APS Channel VLAN (1-4094)	1 <input checked="" type="checkbox"/> None <input checked="" type="radio"/> Specify
Inclusion VLAN List	2-9 <input checked="" type="checkbox"/> None <input checked="" type="radio"/> Specify
MEL (0-7)	1 <input type="checkbox"/> None <input checked="" type="radio"/> Specify
Profile Name	32 chars <input type="checkbox"/> None <input checked="" type="radio"/> Specify
RPL Port	Port0 <input type="button" value="v"/>
RPL Role	Owner <input type="button" value="v"/> <input checked="" type="checkbox"/> None <input checked="" type="radio"/> Specify
Activate	Enabled <input type="button" value="v"/> <input checked="" type="checkbox"/>
Sub Ring Instance (1-32)	<input type="text"/> <input type="checkbox"/> None <input checked="" type="radio"/> Specify
Force Ring Port Block	Port0 <input type="button" value="v"/> <input type="checkbox"/>
Manual Ring Port Block	Port0 <input type="button" value="v"/> <input type="checkbox"/>

# ERPS Setup (GUI)

## ERPS Status on RPL Owner Switch

ERPS Status

ERPS Brief

Total Entries: 1

Ethernet Ring	Instance ID	Status	Port State	
Ring1	1	Idle	P0:eth1/0/23,Blocking(RPL) P1:eth1/0/24,Forwarding	<a href="#">Edit Instance</a>

## ERPS Status on other switches

ERPS Status

ERPS Brief

Total Entries: 1

Ethernet Ring	Instance ID	Status	Port State	
Ring1	1	Idle	P0:eth1/0/23,Forwarding P1:eth1/0/24,Forwarding	<a href="#">Edit Instance</a>