

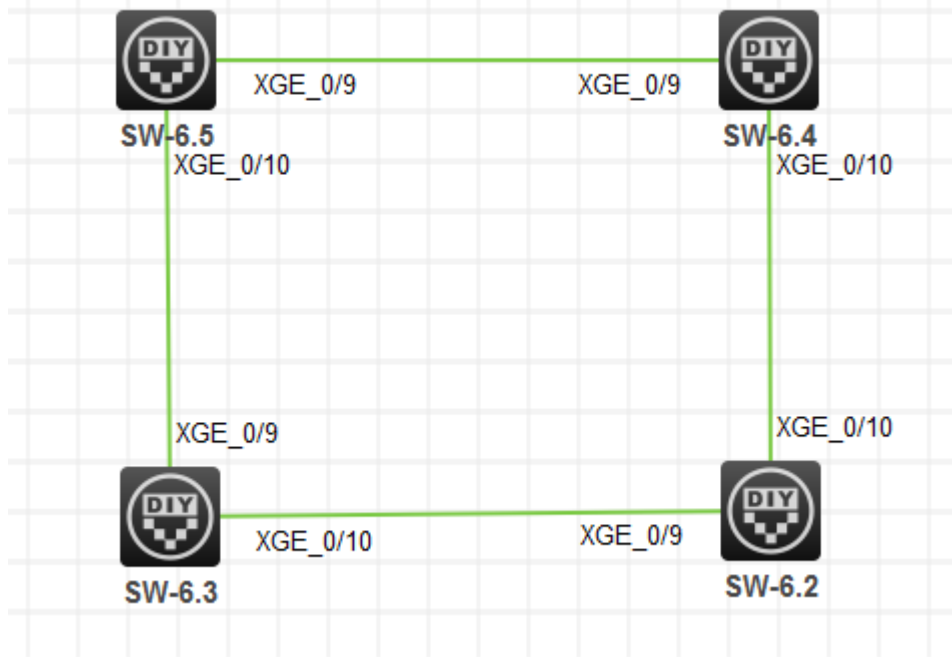
Quant

ELEVATING TECHNOLOGY

ERPS Networking and Configuration



Q-IE-7300-8P-8S-E	Q-M-3800-24P-L3-4S-R	Q-M-3800-48P-L3-4S-R	Q-EP-9500-24P-L3-4G-R
Q-EP-9500-48P-L3-4G-R	Q-IE-9600-24P-L3-4G-E-R	Q-IE-9600-48P-L3-4G-E-R	



Notice

1. Do not use pingIndoView software to ping packets during the test, you can directly use the computer cmd to ping packets.
2. For devices running the ERPS protocol, the VLAN that transmits ERPS protocol messages and data messages must be mapped to the protection instance, so that the ERPS protocol will forward or block these messages according to its blocking principle. Otherwise, VLAN packets may generate a broadcast storm in the looped network, making the network unavailable.
3. Command protected instance: protected-instance <instance id>, by default, no protected instance is configured on the ERPS ring.

SW6.2:

```
vlan 3-4
interface vlan1
ip address 192.168.6.2/24
spanning-tree mst configuration
instance 2 vlan 1,3-4 Pay attention to the configuration here, vlan1,2,3 refers to the vlan
that instance 2 needs to manage
erps
erps instance 2
wtr-timer 2
guard-timer 2000
mel 0
ring 5
port0 gi9
port1 gi10
protected-instance 2 Pay attention to the configuration here, protected-instance 2 is used
to manage ring 5
control-vlan 3
ring enable
interface gi9
switchport trunk allowed vlan add 3-4
interface gi10
switchport trunk allowed vlan add 3-4
```

SW6.3:

```
vlan 3-4
interface vlan1
ip address 192.168.6.3/24
spanning-tree mst configuration
instance 2 vlan 1,3-4 Pay attention to the configuration here, vlan1,2,3 refers to the vlan
that instance 2 needs to manage
erps
erps instance 2
wtr-timer 2
guard-timer 2000
mel 0
ring 5
port0 gi9
port1 gi10
protected-instance 2 Pay attention to the configuration here, protected-instance 2 is used
to manage ring 5
control-vlan 3
ring enable
interface gi9
switchport trunk allowed vlan add 3-4
```

```
interface gi10
switchport trunk allowed vlan add 3-4
SW6.4:
vlan 3-4
interface vlan1
ip address 192.168.6.4/24
spanning-tree mst configuration
instance 2 vlan 1,3-4 Pay attention to the configuration here, vlan1,2,3 refers to the vlan
that instance 2 needs to manage
erps
erps instance 2
wtr-timer 2
mel 0
ring 5
port0 gi9 owner
port1 gi10
protected-instance 2 Pay attention to the configuration here, protected-instance 2 is used
to manage ring 5
control-vlan 3
ring enable
interface gi9
switchport trunk allowed vlan add 3-4
interface gi10
switchport trunk allowed vlan add 3-4
```

```
SW6.5:
vlan 3-4
interface vlan1
ip address 192.168.6.5/24
spanning-tree mst configuration
instance 2 vlan 1,3-4 Pay attention to the configuration here, vlan1,2,3 refers to the vlan
that instance 2 needs to manage
erps
erps instance 2
wtr-timer 2
mel 0
ring 5
port0 gi9 neighbor
port1 gi10
protected-instance 2 Pay attention to the configuration here, protected-instance 2 is used
to manage ring 5
control-vlan 3
ring enable
interface gi9
```

```
switchport trunk allowed vlan add 3-4  
interface gi10  
switchport trunk allowed vlan add 3-4
```