

03. ULSM

- [3.1. ULSM](#)
- [3.2. ULSM](#)
- [3.3. ULSM](#)

3.1. ULSM

ULSM (Uplink State Monitor) . ULSM uplink- downlink-, . Uplink- ULSM , uplink- Down, uplink-, ULSM Down. UP , uplink- . Do
wnlink ULSM-, ULSM-.

3.2. ULSM

1. ULSM ;
2. ULSM ;
3. .

1. ULSM :

ulsm group <group-id> no ulsm group <group-id> !	ULSM . no .

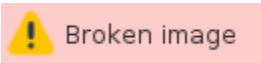
2. ULSM :

ulsm group <group-id> {uplink downlink} no ulsm group <group-id> {uplink downlink} !	uplink downlink ULSM

3. :

show ulsm group [group-id] ! debug ulsm event no debug ulsm event !	ULSM ULSM. no .

3.3. ULSM



66.1 - ULSM

, ULSM ULPP. 66.1, Switch A ULPP. Switch B Switch C ULSM Down uplink. uplink Down, ULSM downlink down, ULPP- Switch A uplink.

Switch A:

```
Switch(Config)#spanning-tree mst configuration
Switch(Config-Mstp-Region)#instance 1 vlan 1
Switch(Config-Mstp-Region)#exit
Switch(Config)#ulpp group 1
Switch(ulpp-group-1)#protect vlan-reference-instance 1
Switch(ulpp-group-1)#exit
Switch(Config)#interface ethernet 1/0/1
Switch(config-If-Ethernet1/0/1)# ulpp group 1 master
Switch(config-If-Ethernet1/0/1)#exit
Switch(Config)#interface Ethernet 1/0/2
Switch(config-If-Ethernet1/0/2)# ulpp group 1 slave
Switch(config-If-Ethernet1/0/2)#exit
```

Switch B:

```
Switch(Config)#ulsm group 1
Switch(Config)#interface ethernet 1/0/1
Switch(config-If-Ethernet1/0/1)#ulsm group 1 downlink
Switch(config-If-Ethernet1/0/1)#exit
Switch(Config)#interface ethernet 1/0/3
Switch(config-If-Ethernet1/0/3)#ulsm group 1 uplink
Switch(config-If-Ethernet1/0/3)#exit
```

Switch C:

```
Switch(Config)#ulsm group 1
Switch(Config)#interface ethernet 1/0/2
Switch(config-If-Ethernet1/0/2)#ulsm group 1 downlink
Switch(config-If-Ethernet1/0/2)#exit
Switch(Config)#interface ethernet 1/0/4
Switch(config-If-Ethernet1/0/4)#ulsm group 1 uplink
Switch(config-If-Ethernet1/0/4)#exit
```