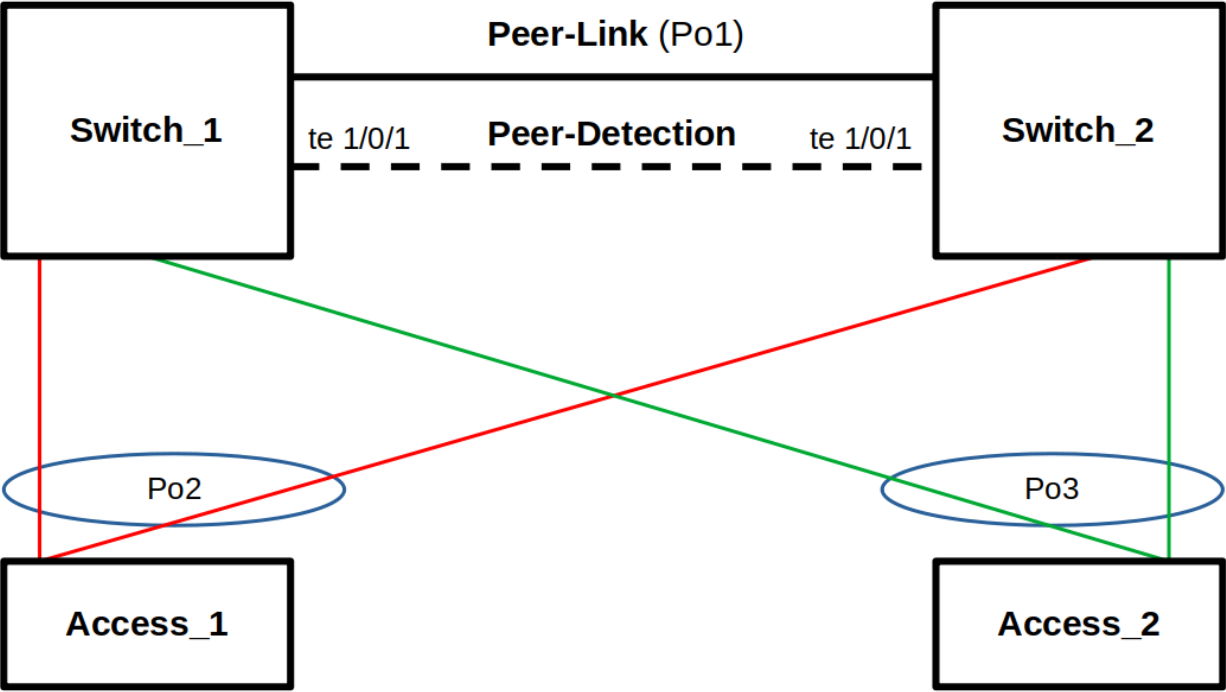


Multi-Switch Link Aggregation Group (MLAG) MES23xx /33xx/35xx/5324

LAG, LAG Ethernet- . MLAG VPC (Virtual port-channel). LAG , VPC .
VPC .
VPC-primary, VPC-secondary.

VPC :



Peer-Link - VPC- , vlan , . . .
Peer-Detection - peer-detection VPC- (te1/0/1, gi1/0/x).

Switch_1:

VPC , VPC:

```
console(config)#vpc
```

VPC 1 :

```
console(config)#vpc domain 1
```

peer-detection , .

```
console(config-vpcdomain)#peer
console(config-vpcdomain)#peer detection interval 200
console(config-vpcdomain)#peer detection timeout 700
```

destination, source IP- peer-detection protocol:

```
console(config-vpcdomain)#peer detection ipaddr 1.1.1.2 1.1.1.1
```

peer-keepalive, .

```
console(config-vpcdomain)#peer keepalive
console(config-vpcdomain)#peer keepalive timeout 5
```

role priority , Primary.

```
console(config-vpcdomain)#role priority 1
```

Port-Channel peer-link:

```
console(config-vpcdomain)#peer link Port-Channel 1
```

VPC . VPC . VPC

```
console(config)#vpc group 1
console(config-vpcgroup)#domain 1
console(config-vpcgroup)#vpc-port Port-Channel 2
```

interface te1/0/1 IP- peer-detection

```
console(config)#interface te1/0/1
console(config-if)#ip address 1.1.1.1 /30
```

Po1 (Peer-Link), Po2, Po3 :

```
interface TenGigabitEthernet1/0/2
channel-group 1 mode auto
exit
!
interface TenGigabitEthernet1/0/12
```

```
channel-group 2 mode auto
exit
!
interface TenGigabitEthernet1/0/13
channel-group 3 mode auto
exit

Switch_2 VPC :

vpc
vpc domain 1
peer detection
peer detection interval 200
peer detection timeout 700
peer detection ipaddr 1.1.1.1 1.1.1.2
peer keepalive
role priority 2
peer link port-channel 1
exit
!
vpc group 2
vpc-port port-channel 2
exit
!
vpc group 3
vpc-port port-channel 3
exit
!
!
hostname Switch_2
!
!
interface TenGigabitEthernet1/0/1
ip address 1.1.1.2 255.255.255.252
exit
!
interface TenGigabitEthernet1/0/2
channel-group 1 mode auto
exit
!
```

```
interface TenGigabitEthernet1/0/12
channel-group 2 mode auto
exit
```

!

```
interface TenGigabitEthernet1/0/13
channel-group 3 mode auto
exit
```

(Access_1,Access_2) VPC Po . Switch_1, Switch_2, , Po2, Po3 VPC .

Access_1:

```
interface tengigabitethernet1/0/3
channel-group 1 mode auto
!
interface tengigabitethernet1/0/4
channel-group 1 mode auto
!
interface Port-channel1
switchport mode trunk
switchport trunk allowed vlan add 200
```

VPC:

```
show vpc
show vpc role
show vpc peer detection
show vpc group X
```

:

1. Peer Detection, Peer-link, secondary- , VPC , errdisable :

LINK-W-PORT_SUSPENDED: Port Po2 suspended by vpc

, , primary-

```
show errdisable interfaces
set interface active te1/0/x(Po x).
```

2. Peer-detection

VPC-N-ROLECHANG: Peer detection protocol no longer detected.

3. VPC , VPC . VP system-mac-VPC, .

system-mac :

```
console(config)#vpc domain 1
```

```
console(config-vpcdomain)#system mac-addr XX:XX:XX:XX:XX:XX
```

4. Primary BPDU (STP Root).

5. VPC .

6. switchport forbidden default-vlan interface Po1, .. VPC untagged default vlan.

7. peer-detection VPC (), , VPC , VPC .