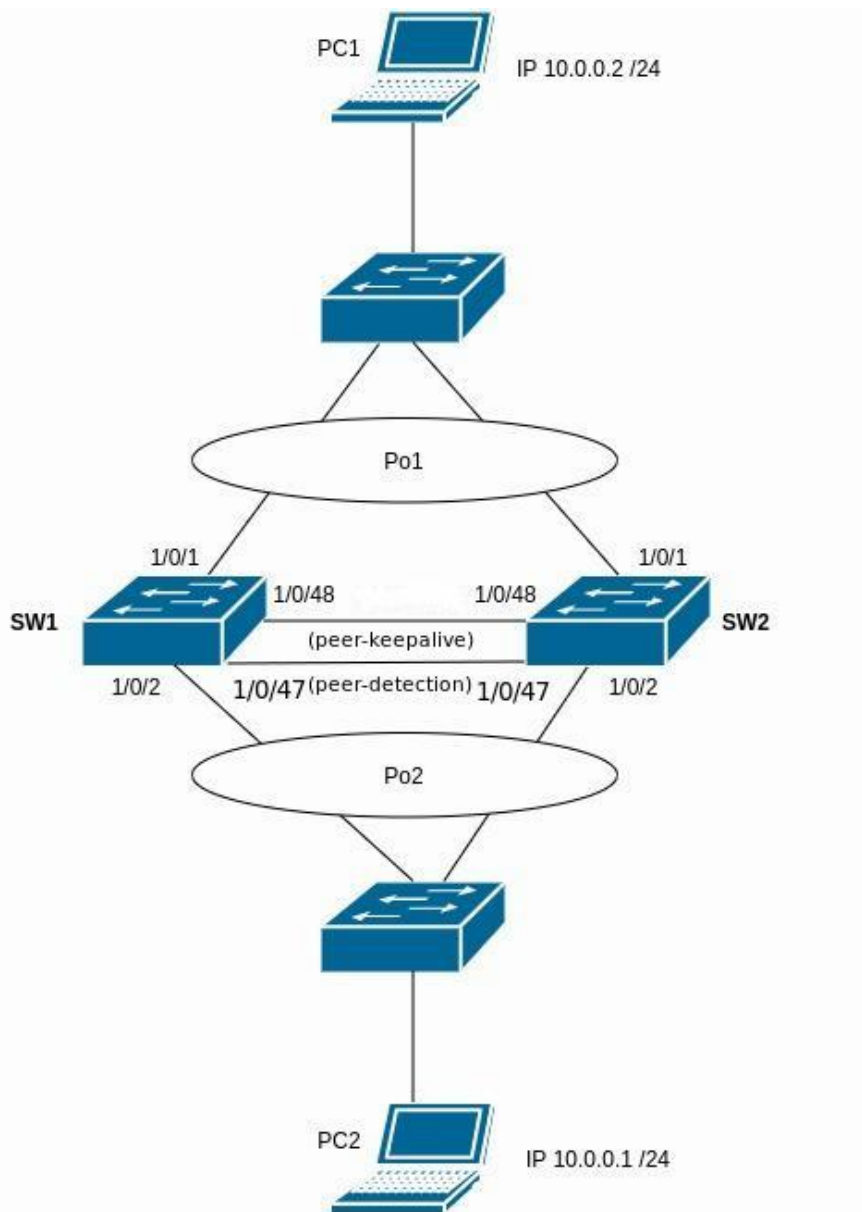


# Multi-Switch Link Aggregation Group (MLAG)

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

VPC-*primary*, VPC-*secondary*.



MLAG :

VPC MES5448/7048 - peer-detection ( \_peer-detection MES23xx/33xx/53xx/5400-xx), LAG. 1/0/47 , LAG 48.  
 - peer-keepalive, " " . , . **peer-keepalive** *secondary*- , VPC , *errdisable*.  
 primary-. peer-keepalive L3. 1/0/48. OOB-.

SW1:

```
vlan database
vlan 100
vlan routing 1 1
vlan routing 100 3
exit
```

configure

```
interface 1/0/1
addport lag 1
exit
interface 1/0/2
addport lag 2
exit
interface 1/0/47
addport lag 48
exit
```

```
!
interface 1/0/1
no shutdown
exit
!
interface 1/0/2
no shutdown
exit
!
```

```
interface 1/0/48
no shutdown
```

routing

```
ip address 10.5.0.1 255.255.255.0
exit
```

```
!
interface 1/0/47
no shutdown
exit
```

```
!
interface lag 1
no port-channel static
switchport mode trunk
vpc 1
exit
```

```
!
interface lag 2
switchport mode trunk
vpc 2
exit
```

```
!
interface lag 48
switchport mode trunk
vpc peer-link
exit
```

```
!
interface vlan 1
routing
ip address 10.1.0.21 255.255.255.0
exit
```

```
!
feature vpc
vpc domain 1
peer-keepalive enable
peer-keepalive destination 10.5.0.2 source 10.5.0.1
peer detection enable
exit
exit
```

SW2

```

vlan database
vlan 100
vlan routing 1 1
vlan routing 100 3
exit

configure
interface 1/0/1
addport lag 1
exit
interface 1/0/2
addport lag 2
exit
interface 1/0/47
addport lag 48
exit
!
interface 1/0/1
no shutdown
exit
!
interface 1/0/2
no shutdown
exit
!

interface 1/0/48
no shutdown

routing

ip address 10.5.0.2 255.255.255.0
exit

!
interface 1/0/47
no shutdown
exit
!
interface lag 1
no port-channel static
switchport mode trunk
vpc 1
exit
!
interface lag 2
switchport mode trunk
vpc 2
exit
!
interface lag 48
switchport mode trunk
vpc peer-link
exit
!
interface vlan 1
routing
ip address 10.1.0.22 255.255.255.0
exit
!
feature vpc
vpc domain 1
peer-keepalive enable
peer-keepalive destination 10.5.0.1 source 10.5.0.2
peer detection enable
exit
exit

```

SW3 SW4 Port-Channel. 100 VLAN.

:

1) Peer-keepalive .

2) VPC , VPC . VP system-mac-VPC, .

system-mac :

```
console (Config)# vpc domain 1
console (Config-Vpc 1)# system-mac XX:XX:XX:XX:XX:XX
```

3) Primary BPDU ( STP Root).

4) VPC .

5) peer-keepalive VPC ( )

:

**show vpc brief**

**show vpc role**

**show vpc peer-keepalive**