

Switch L2

```
ip dhcp excluded-address 172.16.45.1
ip dhcp excluded-address 172.16.45.2
ip dhcp excluded-address 172.16.45.3
ip dhcp excluded-address 172.16.45.4
!
ip dhcp pool vlan100
network 172.16.45.0 255.255.255.0
default-router 172.16.45.254
```

Switch L3

```
interface Vlan100
mac-address 0002.1789.9401
ip address 172.16.45.2 255.255.255.0
standby version 2
standby 1 ip 172.16.45.254
standby 1 priority 150
standby 1 preempt
!

interface Port-channel3
no switchport
ip address 172.45.2.1 255.255.255.248
!
```

There is a port-channel connection between the L2 en L3 switch