
flokinet-013 - MLAG - Multi-chassis Link Aggregation Groups

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Connecting to the lab server

Open your favourite Terminal Emulator

SSH to the netlab server:

```
$ ssh-keygen -R netlab.nanocat.net <- delete the cached fingerprint
                                (lab server rebuilt frequently)
```

```
$ ssh lab@netlab.nanocat.net
Password: (generated fresh each week)
```

List the running containerlab devices:

```
$ sudo containerlab inspect --all
```

Connect to an **Arista** device:

```
$ sudo docker exec -it clab-device-name Cli
```

.. or connect to a **Linux** device:

```
$ sudo docker exec -it clab-pcXX-name bash
```

Goals

- Configure MLAG

Multi-Chassis LAGs: part 1

- Make an MLAG VLAN (both switches)

```
!
vlan 4094
    trunk group mlagpeer
!
interface eth25
    switchport mode trunk
    switchport trunk group mlagpeer
!
no spanning-tree vlan 4094
!
```

Multi-Chassis LAGs: part 2

- Configure the L3 VLAN interface (both switches)

```
!
interface vlan 4094
    ip address 10.0.0.x/30
!
```

- Configure MLAG settings

```
!  
mlag  
  local-interface vlan 4094  
  peer-address 10.0.0.x      <- the other switch's MLAG IP  
  peer-link ethernet25  
  domain-id mlag1  
!
```

Multi-Chassis LAGs: part 3

- Create MLAG interfaces on both switches

```
!  
interface eth1  
  channel-group 1 mode active  
!  
interface po1  
  mlag 1  
!
```

Multi-Chassis LAGs: part 4

- Create your LACP interfaces on the client switch

```
!  
interface ethernet23-24  
  channel-group 23 mode active  
!  
! ^ This creates a new virtual interface, Port-Channel23  
!  
interface Port-Channel23  
  switchport mode trunk  
  switchport trunk allowed vlan 35-39,56,100  
!
```

Check MLAG config

```
show mlag status  
show mlag config-sanity  
show mlag interface
```