Cisco Data Center Class
Trainer: Behrouz Soleimani
nethightech@gmail.com

Scenario Name: Fabric Path

Agg1 — E2/13, E2/14, E2/15, E2/16 — E2/13, E2/14, E2/15, E2/16 — Agg2

E2/4, E2/8, E2/12 (Agg1)   E2/4, E2/8, E2/12 (Agg2)

E2/4, E2/8 (Axx1)   E2/4, E2/8 (Axx2)   E2/4, E2/8 (Axx3)

Axx1   Axx2   Axx3
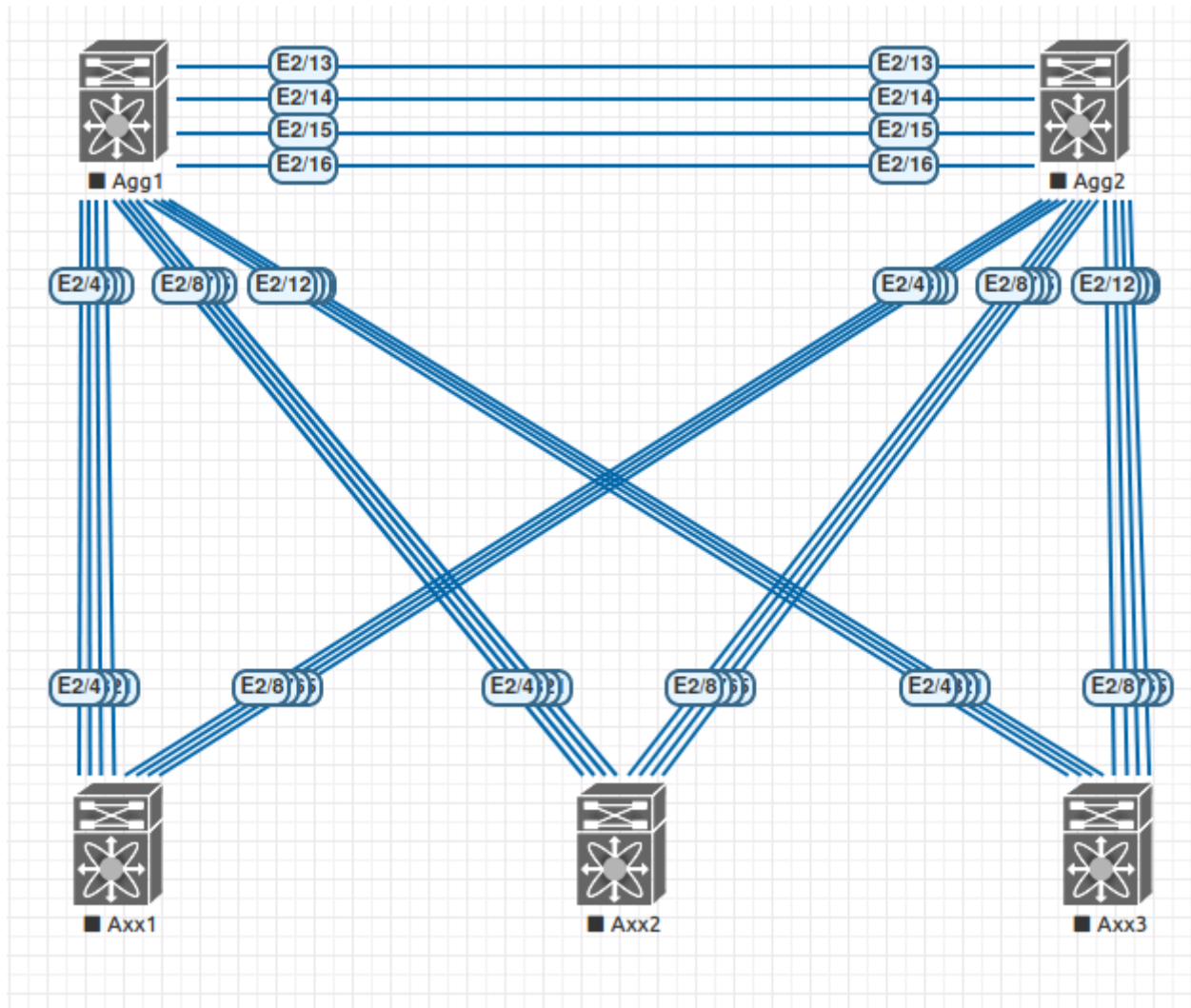
AGG1 Configuration:

```
Agg1# conf t
Agg1(config)# license grace-period
Agg1(config)# install feature-set fabricpath
Agg1(config)# feature-set fabricpath
Agg1(config)# fabricpath switch-id 21


Agg1(config)# interface ethernet 2/1-16
Agg1(config-if-range)# switchport
Agg1(config-if-range)# switchport mode fabricpath
Agg1(config-if-range)# no shutdown
Agg1(config-if-range)# exit


Agg1(config-if-range)# vlan 10-20
Agg1(config-vlan)# mode fabricpath
Agg1(config-vlan)# exit


Agg1# show fabricpath switch-id
Agg1# show fabricpath route
```

AGG2 Configuration:

```
Agg2# conf t
Agg2(config)# license grace-period
Agg2(config)# install feature-set fabricpath
Agg2(config)# feature-set fabricpath
Agg2(config)# fabricpath switch-id 21


Agg2(config)# interface ethernet 2/1-16
Agg2(config-if-range)# switchport
Agg2(config-if-range)# switchport mode fabricpath
Agg2(config-if-range)# no shutdown
Agg2(config-if-range)# exit


Agg2(config-if-range)# vlan 10-20
Agg2(config-vlan)# mode fabricpath
Agg2(config-vlan)# exit


Agg2# show fabricpath switch-id
Agg2# show fabricpath route
```

AXX1 Configuration:

Axx1# conf t
Axx1(config)# license grace-period
Axx1(config)# install feature-set fabricpath
Axx1(config)# feature-set fabricpath
Axx1(config)# fabricpath switch-id 21

Axx1(config)# interface ethernet 2/1-8
Axx1(config-if-range)# switchport
Axx1(config-if-range)# switchport mode fabricpath
Axx1(config-if-range)# no shutdown
Axx1(config-if-range)# exit

Axx1(config-if-range)# vlan 10-20
Axx1(config-vlan)# mode fabricpath
Axx1(config-vlan)# exit

Axx1# show fabricpath switch-id
Axx1# show fabricpath route

AXX2 Configuration:

```
Axx2# conf t
Axx2(config)# license grace-period
Axx2(config)# install feature-set fabricpath
Axx2(config)# feature-set fabricpath
Axx2(config)# fabricpath switch-id 21


Axx2(config)# interface ethernet 2/1-8
Axx2(config-if-range)# switchport
Axx2(config-if-range)# switchport mode fabricpath
Axx2(config-if-range)# no shutdown
Axx2(config-if-range)# exit


Axx2(config-if-range)# vlan 10-20
Axx2(config-vlan)# mode fabricpath
Axx2(config-vlan)# exit


Axx2# show fabricpath switch-id
Axx2# show fabricpath route
```

AXX3 Configuration:

Axx3# conf t
Axx3(config)# license grace-period
Axx3(config)# install feature-set fabricpath
Axx3(config)# feature-set fabricpath
Axx3(config)# fabricpath switch-id 21

Axx3(config)# interface ethernet 2/1-8
Axx3(config-if-range)# switchport
Axx3(config-if-range)# switchport mode fabricpath
Axx3(config-if-range)# no shutdown
Axx3(config-if-range)# exit

Axx3(config-if-range)# vlan 10-20
Axx3(config-vlan)# mode fabricpath
Axx3(config-vlan)# exit

Axx3# show fabricpath switch-id
Axx3# show fabricpath route

change maximum path
switch(config-fabricpath-isis)# maximum-paths ?
  <1-16> Maximum paths per destination
        *Default value is 16

change default metric
switch(config)# interface ethernet 2/1
switch(config-if)# fabricpath isis metric ?
  <0-16777215> Default metric