



### show ip ospf interface brief vrf A

OSPF Process ID 10 VRF A

Total number of interface: 4

Interface	ID	Area	Cost	State	Neighbors	Status
Vlan101	452	0.0.0.7	5	BDR	2	up
Vlan201	678	0.0.0.7	100	DR	0	up ← highest ID = FA
Vlan301	160	0.0.0.7	100	DR	0	up
Po11	247	0.0.0.7	1000	P2P	1	up

- تقرر VLAN 201 كـ BDR، id 678، OSPF، نم تقررأ نوكي VLAN201 ام دنع .
- مقرر VLAN 678 فرع م صي صخت متي، OSPF، لي 202 ن حاش ة فاضا دنع، كلذ دعب 202.
- VLAN 201 كـ BDR دي دج ربكأ فرع م صي صخت متي، VLAN 201 ة فاضا متت كلذ دعب 201.

### show ip ospf interface brief vrf B

OSPF Process ID 10 VRF B

Total number of interface: 4

Interface	ID	Area	Cost	State	Neighbors	Status
Vlan102	490	0.0.0.7	5	BDR	2	up ← highest ID = FA
Vlan202	51	0.0.0.7	100	DR	0	up
Vlan302	102	0.0.0.7	100	DR	0	up
Po12	275	0.0.0.7	1000	P2P	1	up

interface Vlan101

vrf member A

ip address 192.168.1.1/24 <-----FA

interface Vlan102

vrf member B

ip address 10.1.1.1/24 <-----FA

### N7K#show ospf data nssa-external172.16.1.140 det vrf A

OSPF Router with ID ( ) (Process ID 21)

Type-7 AS External Link States (Area 7)

LS age: 162

Options: (No TOS-capability, Type 7/5 translation, No DC)

LS Type: AS External Link

Link State ID: 172.16.1.140 (External Network Number )

Advertising Router: 100.1.1.1

LS Seq Number: 80000012

Checksum: 0x504c

Length: 36

Network Mask: 255.255.255.255

Metric Type: 1 (Comparable directly to link state metric)

TOS: 0

Metric: 20

Forward Address: 192.168.1.1 --- Vlan101

External Route Tag: 0

N7K# show ip ospf data extroute172.16.1.150 det vrf B

OSPF Router with ID () (Process ID 10 VRF B)

Type-5 AS External Link States

LS age: 323  
Options: 0x20 (No TOS-capability, DC)  
LS Type: Type-5 AS-External  
Link State ID:routel72.16.1.150 (Network address)  
Advertising Router:100.1.1.2  
LS Seq Number: 0x8000008f  
Checksum: 0x9691  
Length: 36  
Network Mask: /32  
Metric Type: 1 (Same units as link state path)  
TOS: 0  
Metric: 20  
Forward Address: 10.1.1.1 --- Vlan 102  
External Route Tag: 0

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا اذ ه Cisco ت مچرت  
م ل ا ل ا ا ن ا ع مچ ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل و  
ا م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب  
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه  
ي ل ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco  
Systems ( ر ف و ت م ط ب ا ر ل ا ) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن ت س م ل ا