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Cisco

200-301

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Exam Topic Breakdown

Exam Topic	Number of Questions
Topic 2 : Exam Pool B	2
Topic 5 : Simulations / Lab	2
Topic 1 : Exam Pool A	2
Topic 3 : Exam Pool C	2
Topic 4 : Exam Pool D (NEW)	2
TOTAL	10

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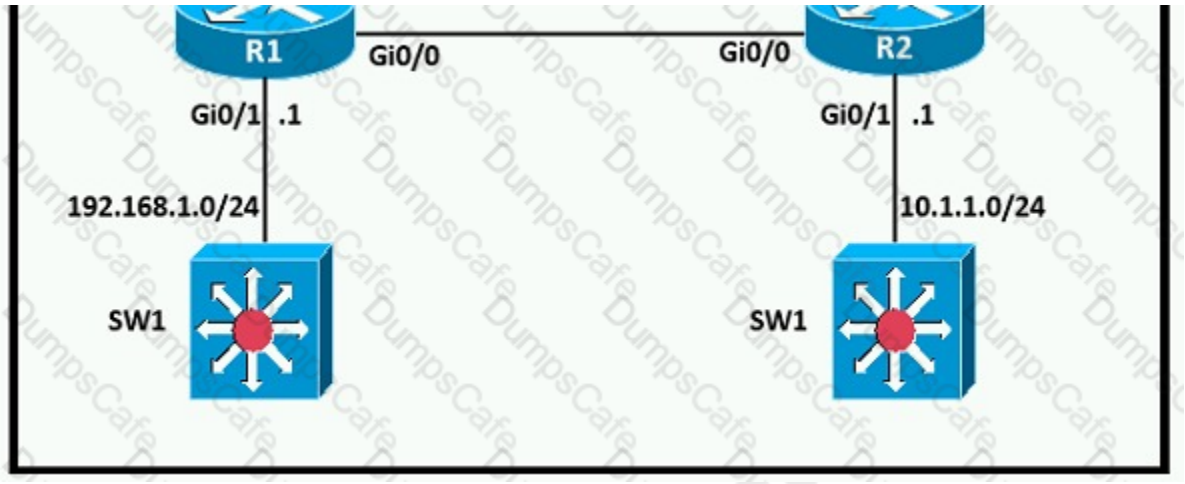
Topic 2, Exam Pool B

Question #:101 - (Exam Topic 2)

Refer to the exhibit.



A network engineer is in the process of establishing IP connectivity between two sites. Routers R1 and R2 are partially configured with IP addressing. Both routers have the ability to access devices on their respective LANs. Which command set configures the IP connectivity between devices located on both LANs in each site?

R1
ip route 192.168.1.0 255.255.255.0 GigabitEthernet0/0
R2
ip route 10.1.1.1 255.255.255.0 GigabitEthernet0/0

R1
ip route 0.0.0.0 0.0.0.0 209.165.200.225
R2
ip route 0.0.0.0 0.0.0.0 209.165.200.226

R1
ip route 192.168.1.1 255.255.255.0 GigabitEthernet0/1
R2
ip route 10.1.1.1 255.255.255.0 GigabitEthernet0/1

R1
ip route 0.0.0.0 0.0.0.0 209.165.200.226
R2
ip route 0.0.0.0 0.0.0.0 209.165.200.225

A. Option A

B. Option B

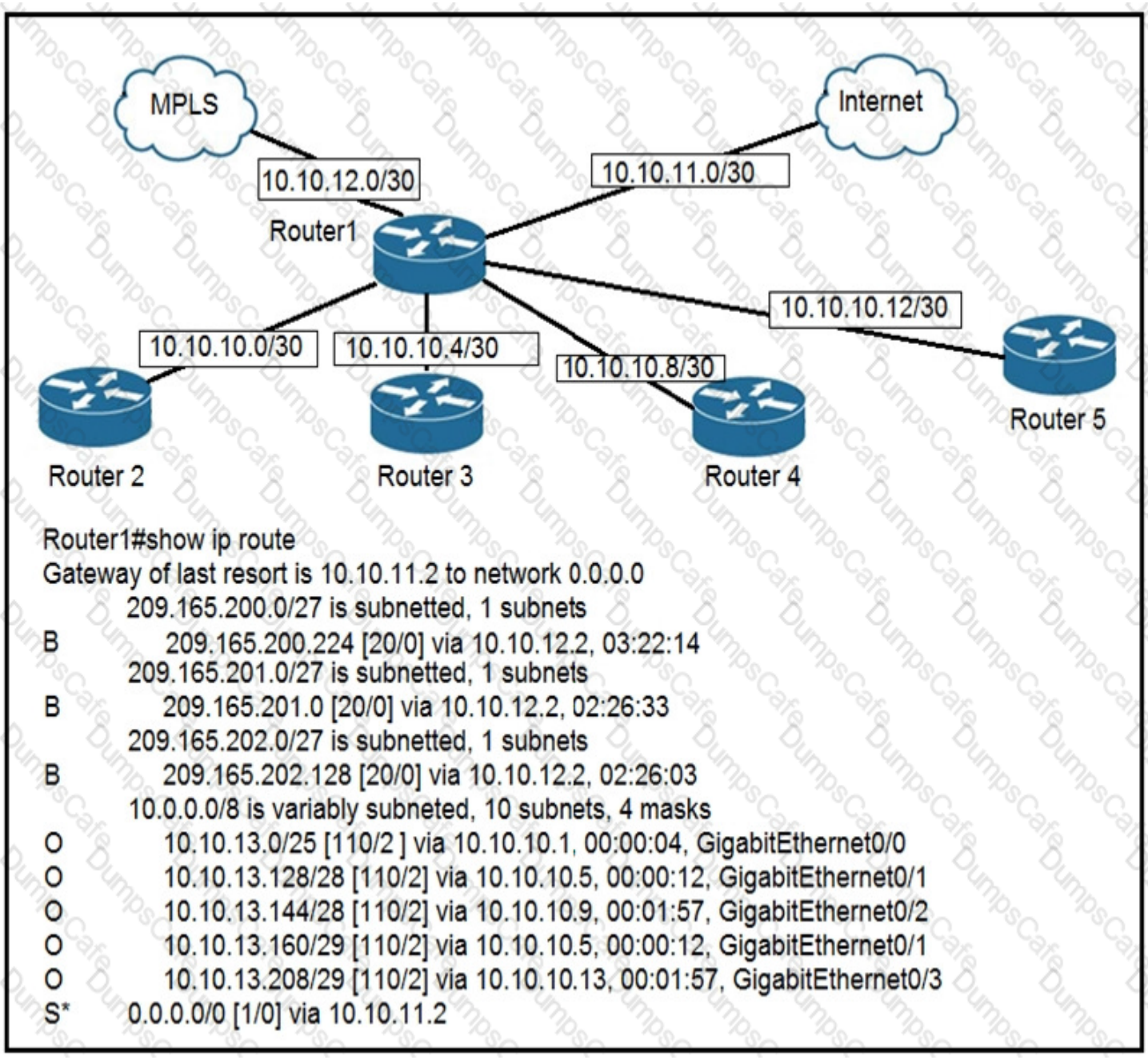
C. Option C

D. Option D

Answer: D

Question #:84 - (Exam Topic 2)

Refer to the exhibit.



To which device does Router1 send packets that are destined to host 10.10.13.165?

A. Router2

B. Router3

C. Router4

D. Router5

Answer: B

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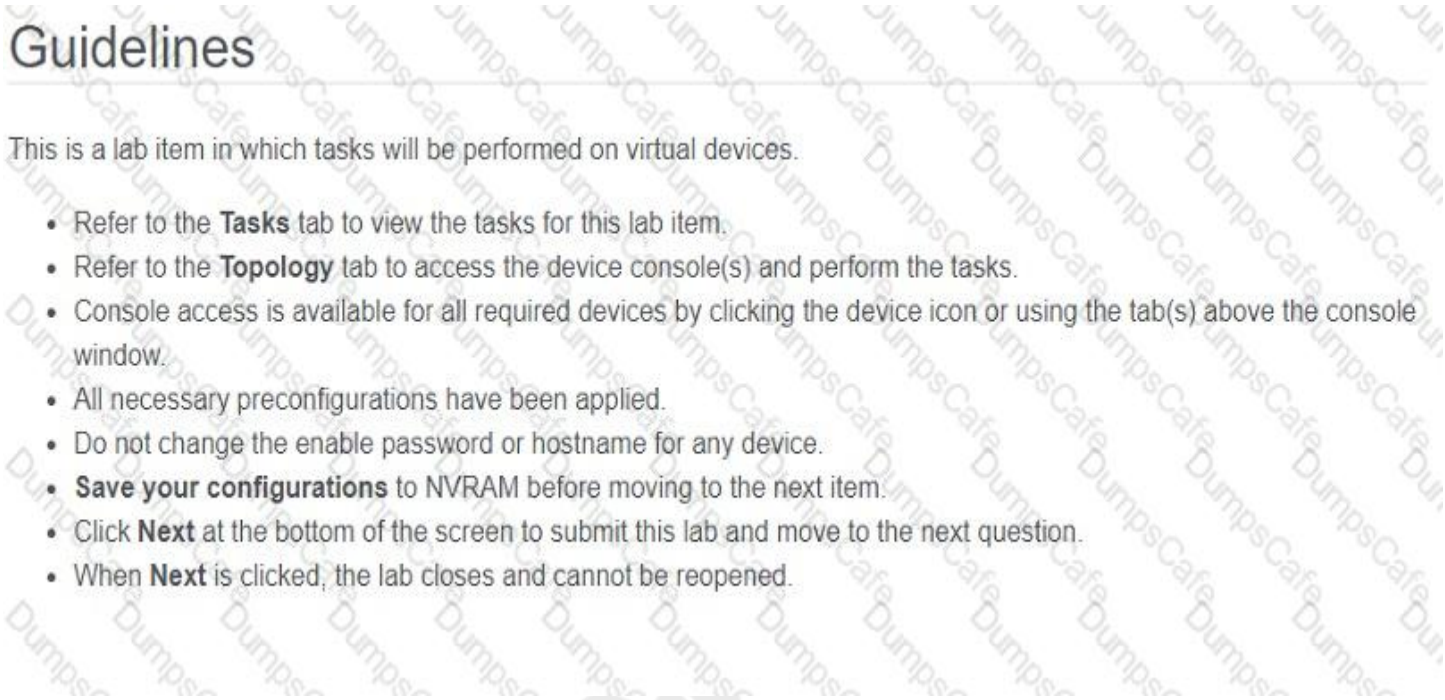
Topic 5, Simulations / Lab

Question #:7 - (Exam Topic 5)



All physical cabling between the two switches is installed. Configure the network connectivity between the switches using the designated VLANs and interfaces.

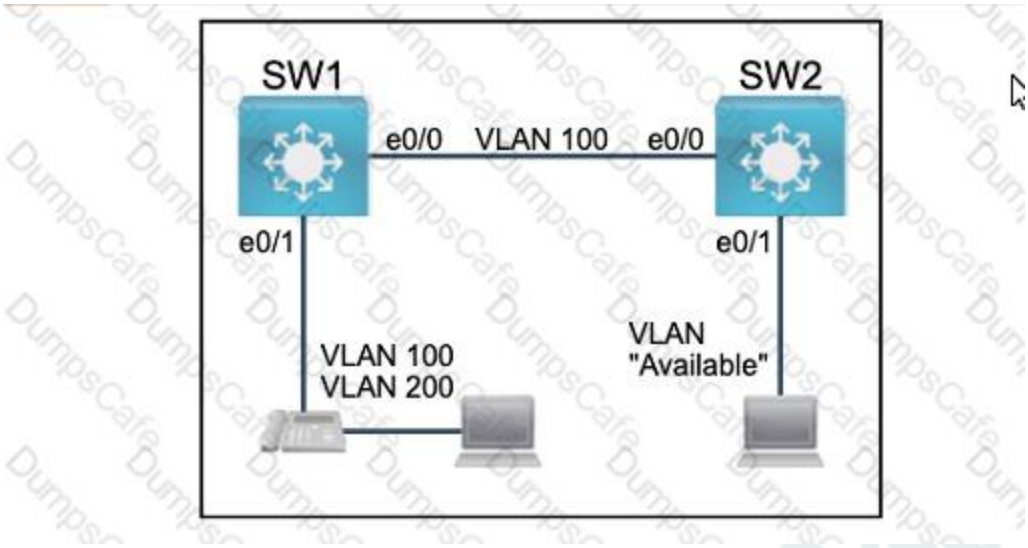
1. Configure VLAN 100 named Compute and VLAN 200 named Telephony where required for each task.

2. Configure Ethernet0/1 on SW2 to use the existing VLAN named Available.

3. Configure the connection between the switches using access ports.

4. Configure Ethernet0/1 on SW1 using data and voice VLANs.

5. Configure Ethemet0/1 on SW2 so that the Cisco proprietary neighbor discovery protocol is turned off for the designated interface only.



See the Explanation below.

Explanation

Answer as below configuration:

on sw1

enable

conf t

vlan 100

name Compute

vlan 200

name Telephony

int e0/1

switchport voice vlan 200

switchport access vlan 100

int e0/0

switchport mode access

do wr

on sw2

Vlan 99

Name Available

Int e0/1

Switchport access vlan 99

do wr

Question #:1 - (Exam Topic 5)

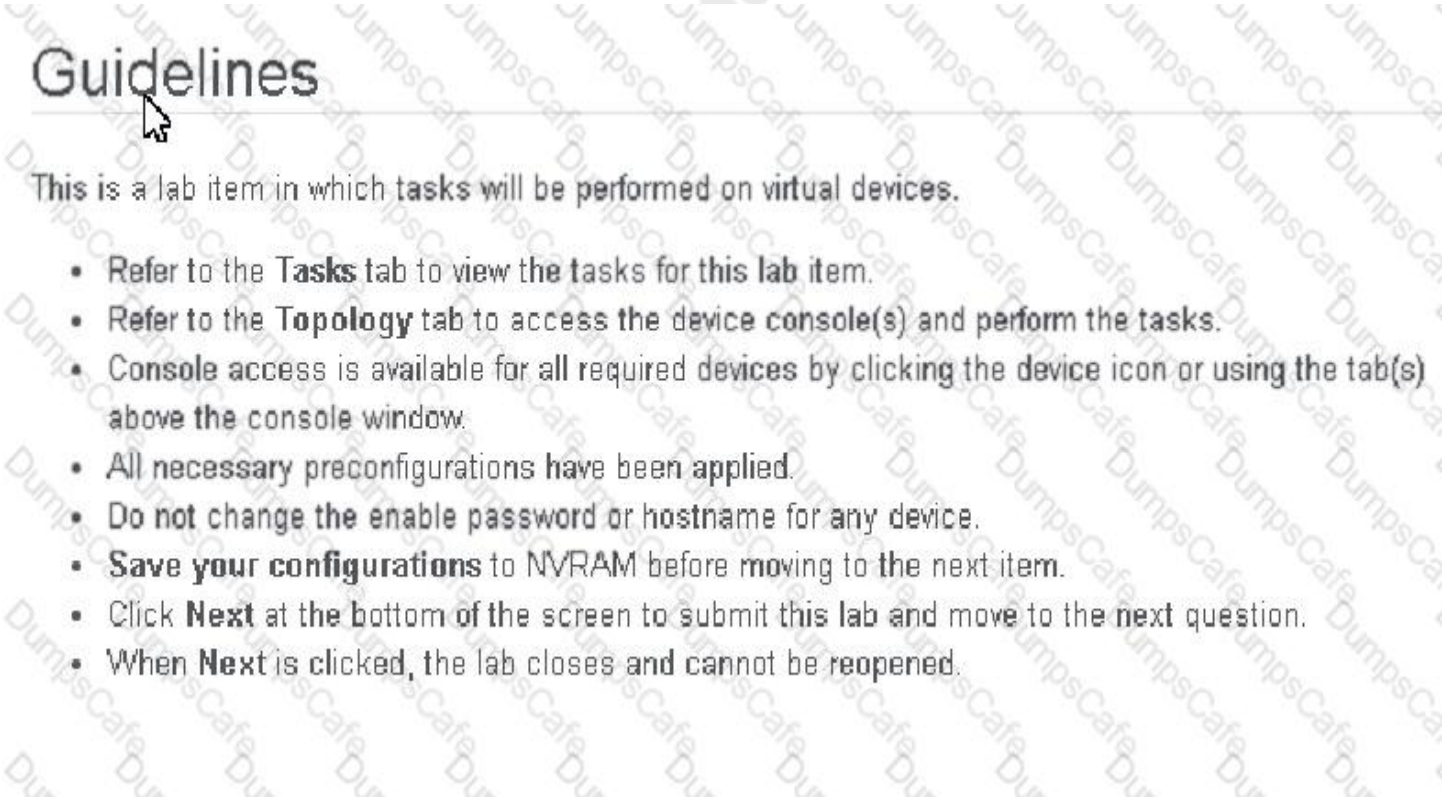
Physical connectivity is implemented between the two Layer 2 switches, and the network connectivity between them must be configured

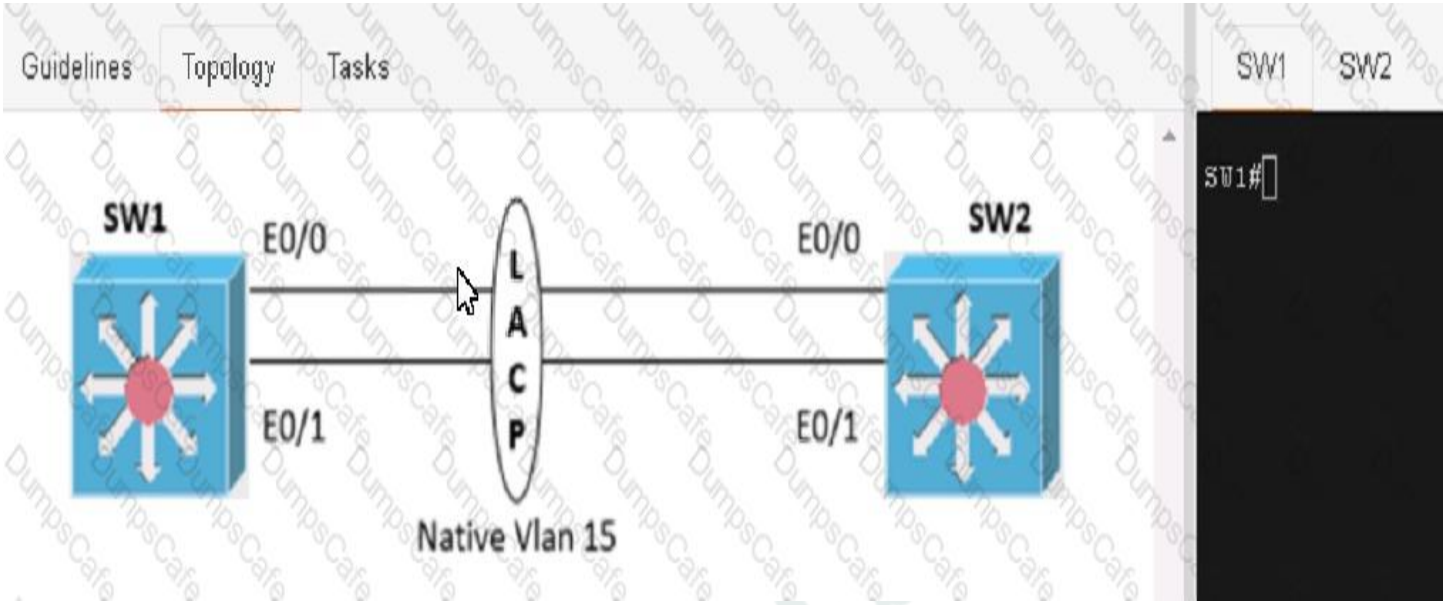
1. Configure an LACP EtherChannel and number it as 1; configure it between switches SW1 and SVV2 using interfaces Ethernet0/0 and Ethernet0/1 on both sides. The LACP mode must match on both ends

2 Configure the EtherChannel as a trunk link.

3. Configure the trunk link with 802.1 q tags.

4. Configure the native VLAN of the EtherChannel as VLAN 15.





See the Explanation below.

Explanation

Answer as below configuration:

On SW1:

conf terminal

vlan 15

exit

interface range eth0/0 - 1

channel-group 1 mode active

exit

interface port-channel 1

switchport trunk encapsulation dot1q

switchport mode trunk

switchport trunk native vlan 15

end

copy run start

on SW2:

conf terminal

vlan 15

exit

interface range eth0/0 - 1

channel-group 1 mode active

exit

interface port-channel 1

switchport trunk encapsulation dot1q

switchport mode trunk

switchport trunk native vlan 15

end

copy run start

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Topic 1, Exam Pool A

Question #:200 - (Exam Topic 1)

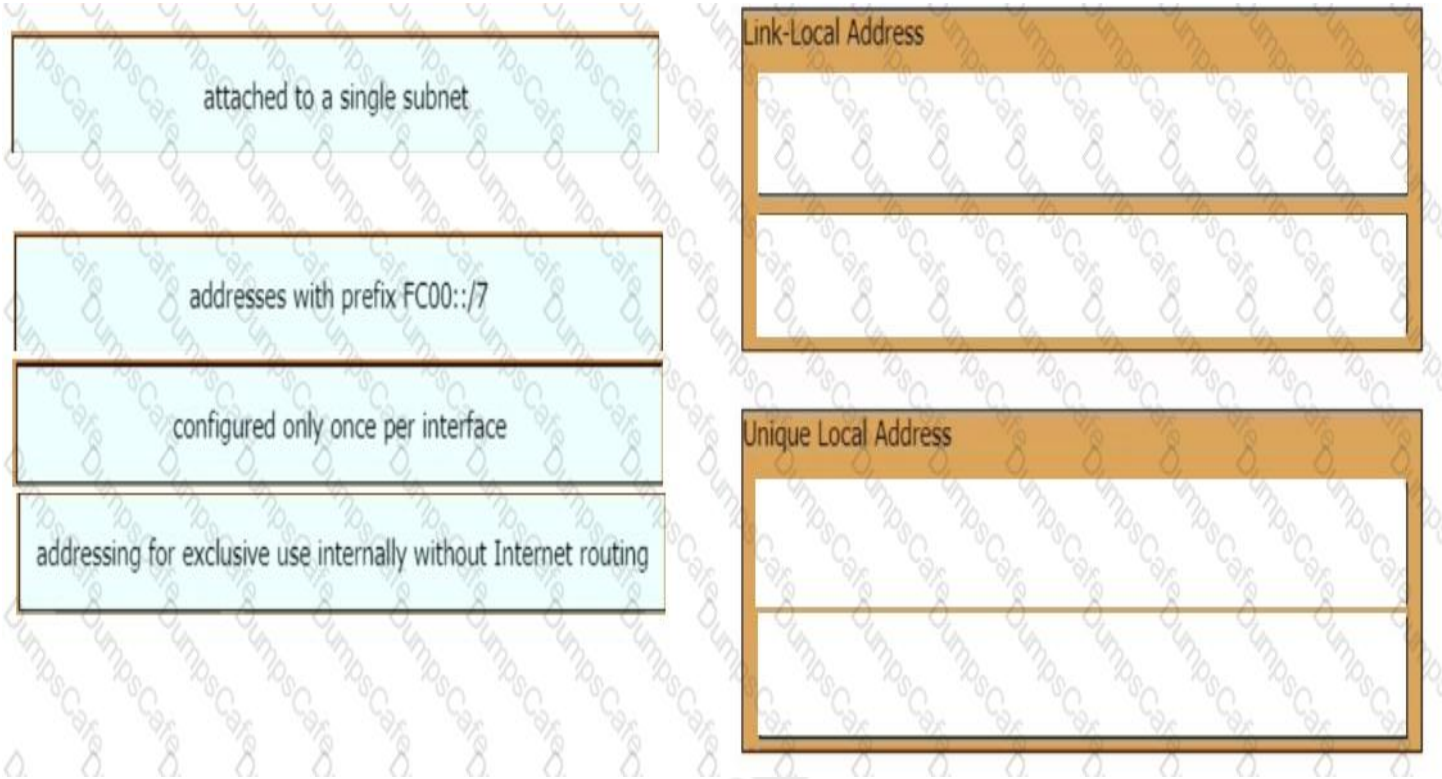
Drag and drop the 802.11 wireless standards from the left onto the matching statements on the right

Answer:

Explanation

Question #:16 - (Exam Topic 1)

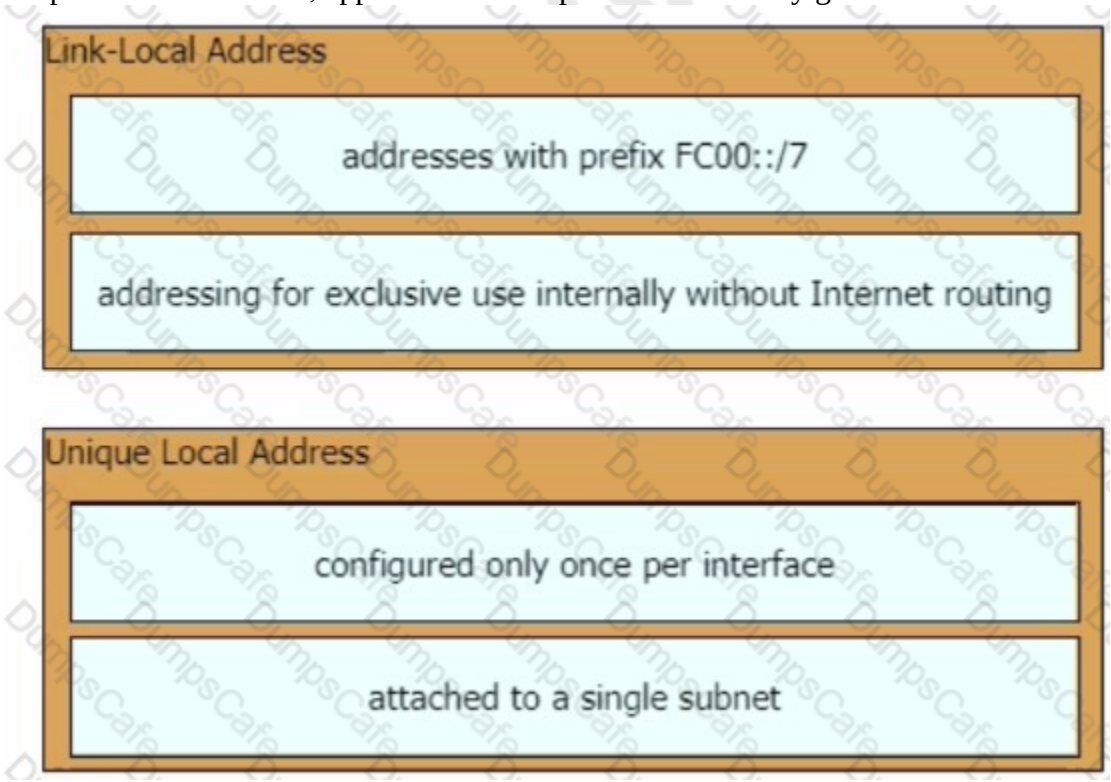
Drag and drop the IPv6 address type characteristics from the left to the right.



Answer:

Explanation

Graphical user interface, application Description automatically generated



Topic 3, Exam Pool C

Question #:19 - (Exam Topic 3)

R1 as an NTP server must have:

• NTP authentication enabled

• NTP packets sourced from Interface loopback 0

• NTP stratum 2

• NTP packets only permitted to client IP 209.165 200 225

How should R1 be configured?

A)

```
ntp authenticate
ntp authentication-key 2 md5 CISCO123
ntp source Loopback0
nntp access-group server-only 10
ntp master 2
!
access-list 10 permit 209.165.200.225
```

B)

```
ntp authenticate
ntp authentication-key 2 md5 CISCO123
ntp source Loopback0
ntp access-group server-only 10
ntp stratum 2
!
access-list 10 permit udp host 209.165.200.225 any eq 123
```

C)

```
ntp authenticate
ntp authentication-key 2 sha1 CISCO123
ntp source Loopback0
ntp access-group server-only 10
ntp master 2
!
access-list 10 permit udp host 209.165.200.225 any eq 123
```

D)

```
ntp authenticate
ntp authentication-key 2 md5 CISCO123
ntp interface Loopback0
ntp access-group server-only 10
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer: B

Question #:26 - (Exam Topic 3)

A network administrator is setting up a new IPv6 network using the 64-bit address 2001 0EB8 00C1 2200:0001 0000 0000 0331/64 To simplify the configuration the administrator has decided to compress the address Which IP address must the administrator configure?

A. ipv6 address 21:EB8:C1:2200:1::331/64

B. ipv6 address 2001:EB8:C1:22:1::331/64

C. ipv6 address 2001 :EB8:C 1:2200.1 ::331-64

D. ipv6 address 2001:EB8:C1:2200:1:0000:331/64

Answer: C

Topic 4, Exam Pool D (NEW)

Question #:261 - (Exam Topic 4)

A WLC sends alarms about a rogue AP, and the network administrator verifies that the alarms are caused by a legitimate autonomous AP.

A. Place the AP into manual containment.

B. Remove the AP from WLC management.

C. Manually remove the AP from Pending state.

D. Set the AP Class Type to Friendly.

Answer: B

Question #:243 - (Exam Topic 4)

Which syslog severity level is considered the most severe and results in the system being considered unusable?

A. Alert

B. Error

C. Emergency

D. Critical

Answer: C

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