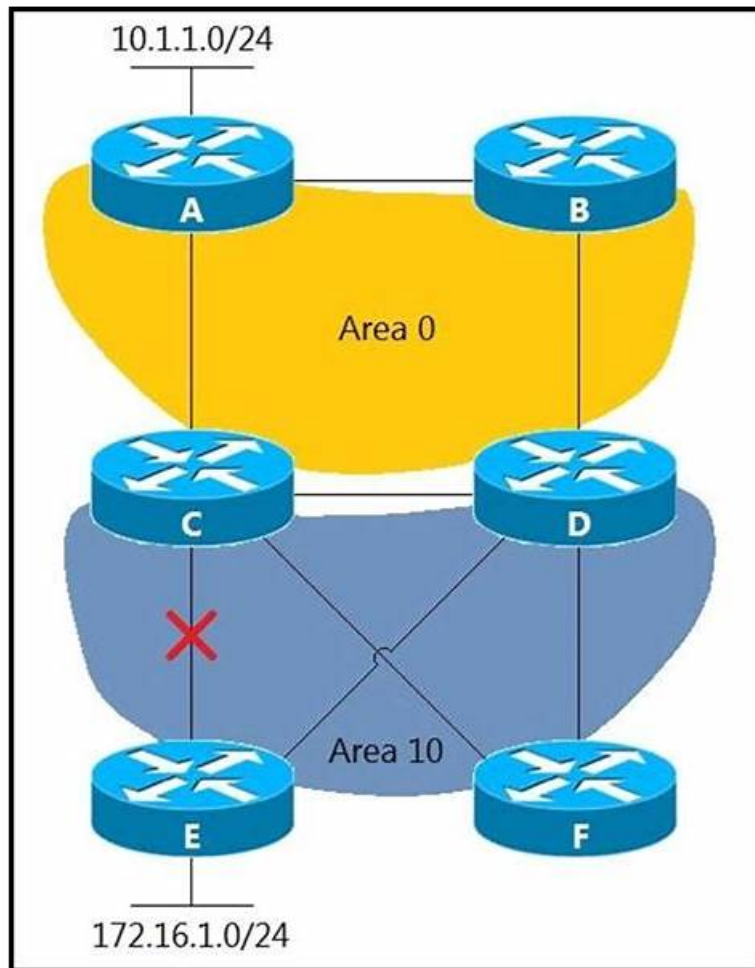


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simulation tests of our 300-420 learning materials have the functions of timing and mocking exams, which will allow you to adapt to the exam environment in advance and it will be of great benefit for subsequent exams. After you complete the learning task, the system of our 300-420 test prep will generate statistical reports based on your performance so that you can identify your weaknesses and conduct targeted training and develop your own learning plan. For the complex part of our 300-420 Exam Question, you may be too cumbersome, but our system has explained and analyzed this according to the actual situation to eliminate your doubts and make you learn better.

#2 - Refer to Official Exam Guide

Commonly, the vendor offers an official exam guide for this and its other tests. These exam guides are the ideal way to understand the exam objectives in a detailed manner. For 300-420, you have the CCNP Enterprise Design ENSLD 300-420 Official Cert Guide: Designing Cisco Enterprise Networks as an option. Written by Steve Jordan and Anthony Bruno, this study guide has been recently published and is filled with relevant information about ENSLD 300-420 exam topics. Here, each chapter is packed with practical examples and relevant contexts. Plus, the systematic and logical coverage of enterprise designing concepts is noteworthy.

Cisco 300-420: Target audience

The Cisco 300-420 test is designed for Wireless Design Engineers, Network Managers, Network Design Engineers, System Engineers, and Network Administrators. It is targeted at those individuals who want to certify or prove their knowledge and mastery in designing Cisco enterprise networks. The typical candidates for this Cisco certification exam are those people who are looking to

be certified in the enterprise networks. They should have at least 3 years of hands-on experience in the field of designing these networks related to Cisco.

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Objectives of 300-420 Test

There are various topics that are included in the exam and they are:

-
- **Advanced Address and Routing Solutions (25%).**
This domain mainly focuses on creating structured addressing plans for IPv4 and IPv6; creating scalable, stable, and secure routing designs for IS-IS, EIGRP, OSPF, and BGP, including route filtering, load sharing, address families, path preference attributes, and route reflectors; determining IPv6 migration strategies, involving native, boundaries, and overlay.
-
- **Enterprise Networks and WAN (20%).**
This section addresses the following areas: comparison of WAN connectivity options (DWDM, Layer 2 VPN, 4G/5G, Metro Ethernet, etc.); designing site-to-site VPN, including dynamic multipoint VPN, Ipsec, GRE, and others; designing high availability for enterprise WAN (failover, backup connectivity, etc.); Cisco SD-WAN architecture (on-boarding, security, control plane, and more); Cisco SD-WAN design considerations (redundancy, security design, overlay design, and others).
-
- **Network Services (20%).**
The last domain focuses on the ability to choose proper QoS strategies, designing network management techniques; designing end-to-end QoS policies covering shaping, queuing, marking, and more; describing multicast routing concepts, and creating multicast services, including MSDP, SSM, and PIM bidirectional.
-
- **Automation (10%).**
The Automation domain includes things like choosing the correct YANG data model taking current requirements into account; differentiating between IETF, Cisco native YANG models, and Openconfig as well as between RESTCONF and NETCONF; understanding the impact of model-driven telemetry, covering on-change and periodic publications; comparing dial-in and dial-out approaches to model-driven telemetry.
-
- **Advanced Enterprise Campus Networks (25%).**
This part of the exam content measures one's skills in designing campus networks for high availability and knowledge of techniques for platform abstraction, graceful restart, etc.; designing campus Layer 2 infrastructures and multicampus Layer 3 ones, including route summarization, VRFs, convergence, etc.; describing SD-Access Architecture as well as SD-Access fabric design for wireless and wired access.

Cisco Designing Cisco Enterprise Networks Sample Questions (Q176-Q181):

NEW QUESTION # 176

Which two statements about VRRP object tracking are true? (Choose two)

- A. The priority of a VRRP device can change in accordance with the up or down status of a VRRP object
- B. The VRRP interface priority must be manually configured by the administrator

- C. A VRRP group can track only one object at a time
- D. VRRP supports only interface tracking
- E. VRRP can track the status of interfaces and routes

Answer: A,E

NEW QUESTION # 177

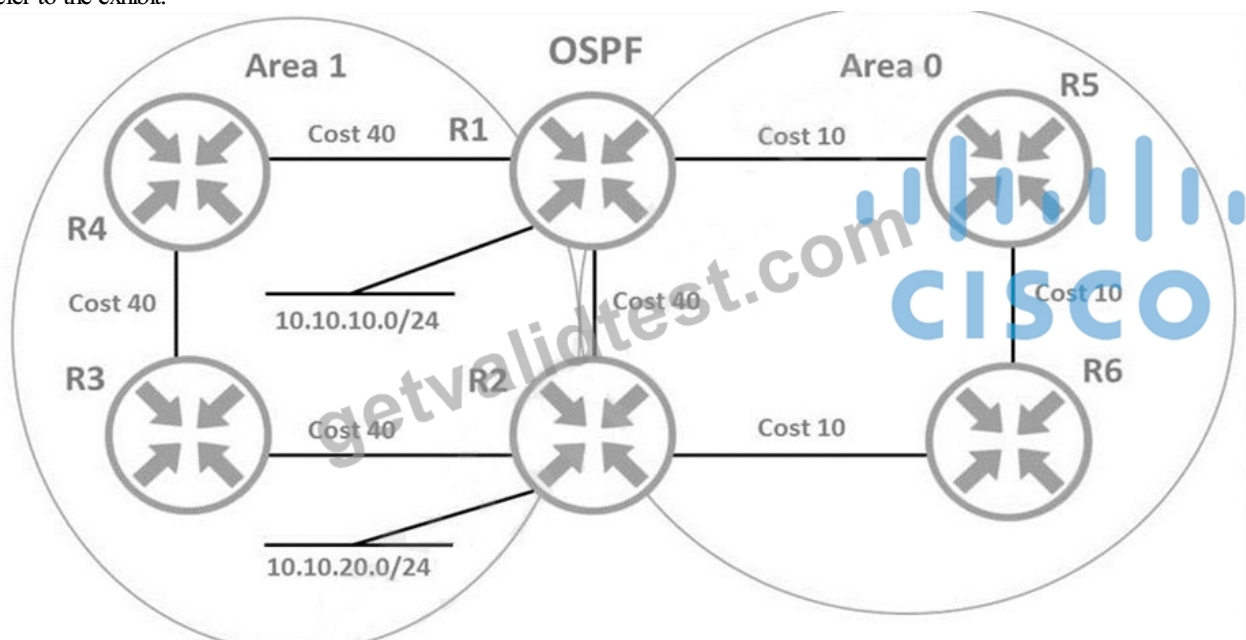
What is a logical topology in a Cisco SD-Access architecture considered to be when it is used to virtually connect devices that are built on an arbitrary physical network?

- A. data plane
- B. underlay
- C. overlay
- D. control plane

Answer: C

NEW QUESTION # 178

Refer to the exhibit.



An architect must design a solution that uses the direct link between R1 and R2 for traffic from 10.10.10.0/24 toward network 10.10.20.0/24. Which solution should the architect include in the design?

- A. Configure the link to provide multiarea adjacency.
- B. Lower the Administrative Distance for OSPF area 0.
- C. Configure the OSPF cost of the link to a value lower than 30.
- D. Place the link into area 2 and install a new link between R1 and R2 in area 0.

Answer: C

NEW QUESTION # 179

An engineer must use YANG with an XML representation to configure a Cisco IOS XE switch with these specifications:

* IP address 10.10.10.10/27 configured on the interface GigabitEthernet2/1/0

* connectivity from a directly connected host 10.10.10.1/27

Which YANG data model set must the engineer choose?

- A. Text, letter Description automatically generated

```
<interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
  <interface>
    <name>GigabitEthernet2/1/0</name>
    <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
    <enabled>false</enabled>
    <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
      <address>
        <ip>10.10.10.10</ip>
        <netmask>255.255.255.224</netmask>
      </address>
    </ipv4>
  </interface>
</interfaces>
```

- B. Text, letter Description automatically generated

```
<interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
  <interface>
    <name>GigabitEthernet2/1/0</name>
    <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
    <enabled>true</enabled>
    <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
      <address>
        <ip>10.10.10.10</ip>
        <netmask>255.255.255.224</netmask>
      </address>
    </ipv4>
  </interface>
</interfaces>
```

- C. Text, letter Description automatically generated

```
<interfaces json="urn:ietf:params:json:ns:yang:ietf-interfaces">
  <interface>
    <name>GigabitEthernet2/1/0</name>
    <type json:ianaift="urn:ietf:params:json:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
    <enabled>true</enabled>
    <ipv4 json="urn:ietf:params:json:ns:yang:ietf-ip">
      <address>
        <ip>10.10.10.10</ip>
        <netmask>255.255.255.224</netmask>
      </address>
    </ipv4>
  </interface>
</interfaces>
```

- D. Text, email Description automatically generated

```

<interfaces YANG="urn:ietf:params:xml:ns:yang:ietf-interfaces">
  <interface>
    <name>GigabitEthernet2/1/0</name>
    <type YANG:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
    <enabled>true</enabled>
    <ipv4 YANG="urn:ietf:params:xml:ns:yang:ietf-ip">
      <address>
        <ip>10.10.10.10</ip>
        <netmask>255.255.255.224</netmask>
      </address>
    </ipv4>
  </interface>
</interfaces>

```



Answer: B

NEW QUESTION # 180

Which command is needed to enable DHCP snooping if a switchport is connected to a DHCP server?

- A. ip dhcp snooping trust
- B. ip dhcp trust
- C. ip dhcp snooping information
- D. ip dhcp snooping

Answer: A

Explanation:

When configuring DHCP snooping, follow these guidelines:

DHCP snooping is not active until you enable the feature on at least one VLAN, and enable DHCP globally on the switch.

Before globally enabling DHCP snooping on the switch, make sure that the devices acting as the DHCP server and the DHCP relay agent are configured and enabled.

If a Layer 2 LAN port is connected to a DHCP server, configure the port as trusted by entering the "ip dhcp snooping trust" interface configuration command.

If a Layer 2 LAN port is connected to a DHCP client, configure the port as untrusted by entering the no ip dhcp snooping trust interface configuration command.

Reference: <http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst6500/ios/12-2SX/configuration/guide/book/snoodhcp.html>

NEW QUESTION # 181

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