640-864^Q&As

Designing for Cisco Internetwork Solutions

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QUESTION 1

Where in the Cisco Enterprise Architecture model does network management reside?

A. Enterprise data center module

B. Enterprise campus module

C. Enterprise edge module

D. Service Provider edge module

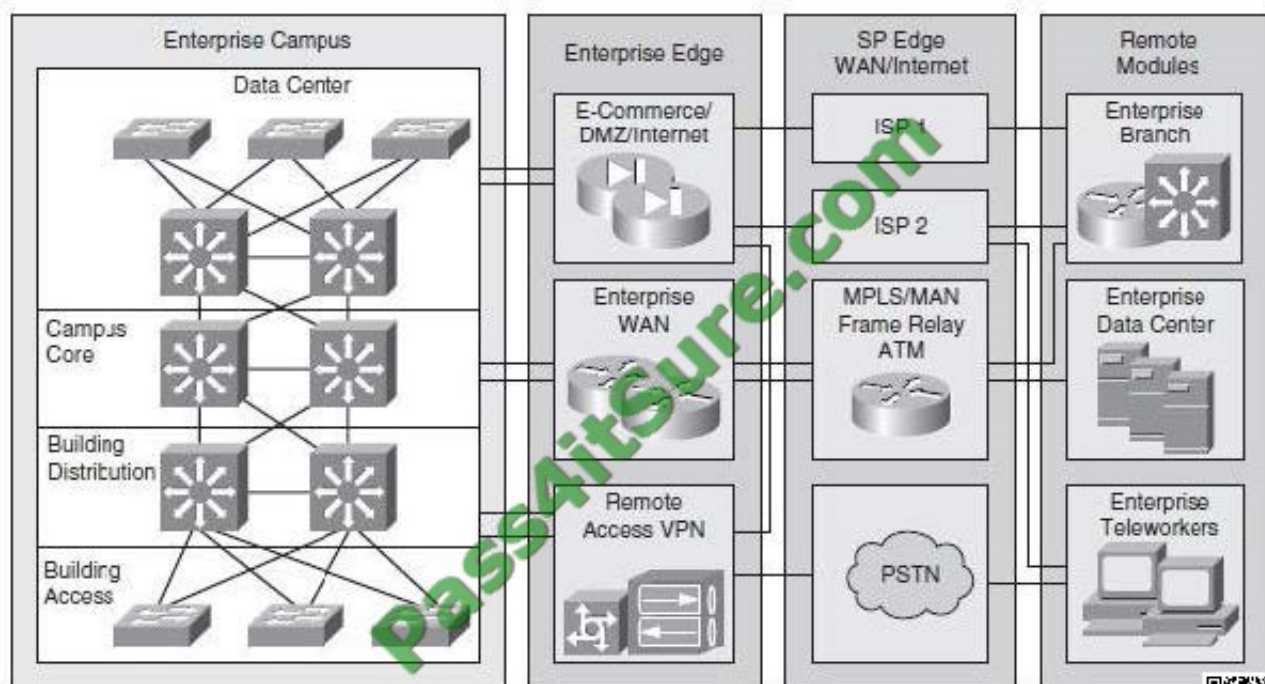E. Service Provider data center module

Correct Answer: B

Figure 2-5   *Cisco Enterprise Architecture Model*

The network management servers reside in the campus infrastructure but have tie-ins to all the components in the enterprise network for monitoring and management.

QUESTION 2

A network engineer is designing an enterprise managed VPN solution for a large number of remote offices that do not have on-site IT support and communicate only with the home office. What type of VPN solution should be implemented?

A. VPLS

B. GRE

C. IPsec

D. EVPN

E. DMVPN

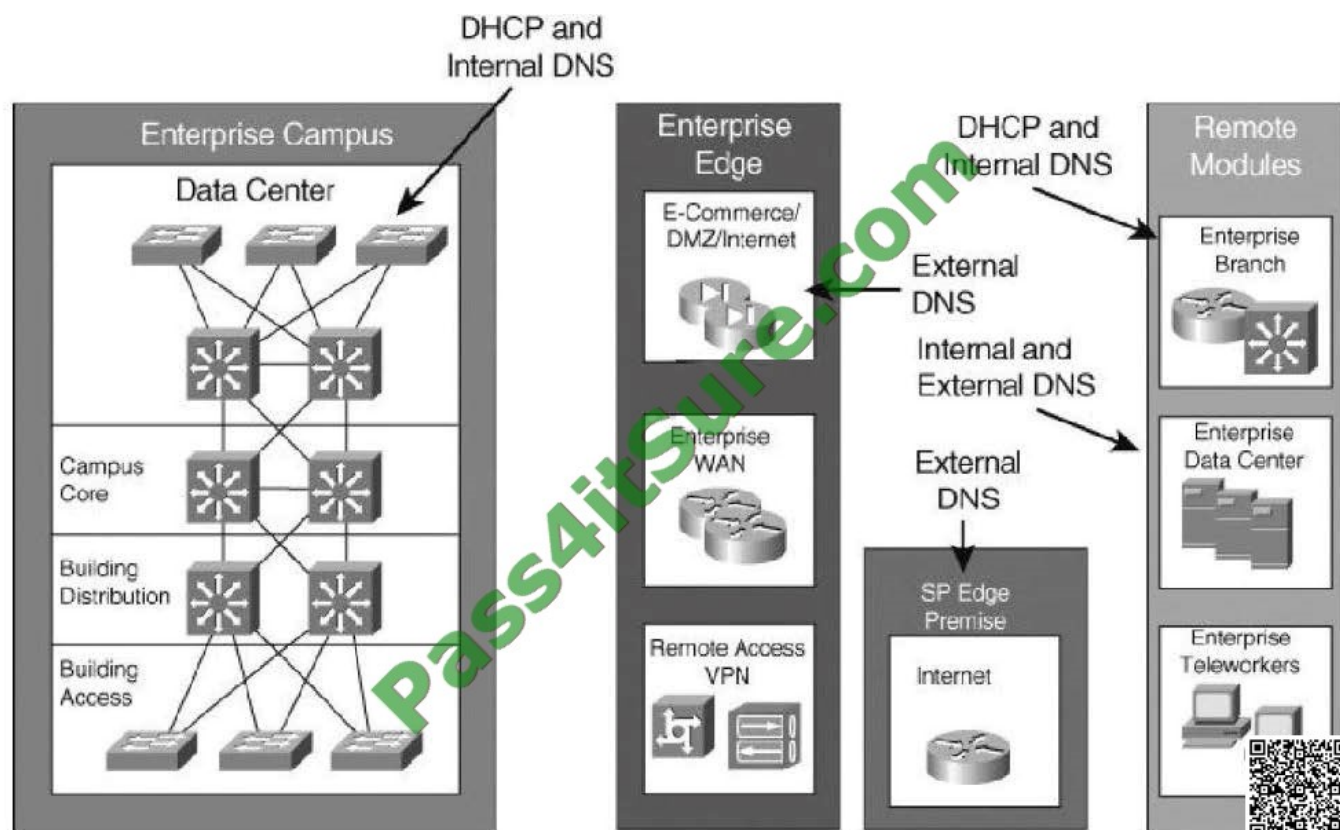F. SSL client

Correct Answer: D

QUESTION 3

Which statement describes the recommended deployment of DNS and DHCP servers in the Cisco Network Architecture for the Enterprise?

A. Place the DHCP and DNS servers in the Enterprise Campus Access layer and Enterprise branch.

B. Place the DHCP and DNS servers in the Enterprise Campus Server Farm layer and Enterprise branch.

C. Place the DHCP server in the Enterprise Campus Core layer and Remote Access_VPN module with the DNS server in the Internet Connectivity module.

D. Place the DHCP server in the Enterprise Campus Distribution layer with the DNS server in the Internet Connectivity module.

Correct Answer: B

Explanation: For the Enterprise Campus, DHCP and internal DNS servers should be located in the Server Farm and they should be redundant. External DNS servers can be placed redundantly at the service provider facility and at the Enterprise branch.

QUESTION 4

Which model of ISR is utilized for the teleworker design profile?

A. Cisco 1900 Series

B. Cisco 1800 Series

C. Cisco 800 Series

D. Cisco 500 Series

Correct Answer: C

QUESTION 5

Select and Place:

Drag the WAN characteristics on the left to the branch office model where it would most likely to be used on the right.

Redundant devices

MPLS Deployment model

Redundant _inks

Redundant Links and Devices

Private WAN deployment

Internet Deployment Model

Small Office

Medium Office

Large Office

Correct Answer:

Drag the WAN characteristics on the left to the branch office model where it would most likely to be used on the right.

Small Office

Redundant Links

Internet Deployment Model

Medium Office

Redundant devices

Private WAN deployment

Large Office

Redundant Links and Devices

MPLS Deployment model

Small Branch Design The small branch design is recommended for branch offices that do not require hardware redundancy and that have a small user base supporting up to 50 users. This profile consists of an access router providing WAN services and connections for the LAN services. The Layer 3 WAN services are based on the WAN and Internet deployment model. A T1 is used for the primary link, and an ADSL secondary link is used for backup. Other network fundamentals are supported, such as EIGRP, floating static routes, and QoS for bandwidth protection. Medium Branch Design The medium branch design is recommended for branch offices of 50 to 100 users, which is similar to the

small branch but with an additional access router in the WAN edge (slightly larger) allowing for redundancy services. Large Branch Design The large branch design is the largest of the branch profiles, supporting between 100 and 1000 users. This design profile is similar to the medium branch design in that it also provides dual access routers in the WAN edge. In addition, dual Adaptive Security Appliances (ASA) are used for stateful firewall filtering, and dual distribution switches provide the multilayer switching component. The WAN services use an MPLS deployment model with dual WAN links into the WAN cloud. Cisco Press CCDA 640-864 Official Certification Guide Fourth Edition, Chapter 7

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