Vendor: Cisco

Exam Code:300-610

Exam Name: Designing Cisco Data Center Infrastructure (DCID)

Version: Demo

QUESTION 1

A network architect needs secure access to the organization\\'s perimeter routers and firewalls. The administrator must access network devices from a remote location that is reachable from the WAN cloud Which action meets these requirements?

A. Create a secure IPsec tunnel interface using an internet link for device management purposes

B. Enable the SSH protocol with a strong username and password using an internet link for management purposes

C. Create an out-of-band network management network

D. Create an in-band network management network

Correct Answer: C

QUESTION 2

An engineer must design a solution to divide the workload across two different data centers and achieve redundancy in case of the failure of either data center Which solution must the engineer choose?

A. single Cisco HyperFlex stretched cluster

B. Cisco Hyperflex edge cluster

C. Cisco Hyperflex ROBO cluster

D. single Cisco HyperFlex standard cluster

Correct Answer: A

QUESTION 3

An end user is experiencing network latency when accessing a database in a disaster recovery site. The monitoring team concluded that the database was writing simultaneously to the storage arrays on the primary and disaster recovery sites.

Which design resolves this issue?

A. asynchronous replication between data centers

B. synchronous replication between data centers

C. FCoE tunnel between data center

D. FCIP tunneling between data center

Correct Answer: A

QUESTION 4

A data center uses Cisco Nexus 7000 Series Switch and contains two tenants, tenant A and tenant B.

1.

Tenant A uses IP addresses in the 10.2.30.41/24 to 10.2.30.64/24 range.

2.

Tenant B uses IP addresses in the 10.2.30.120/24 to 10.2.30.192/24 range. The engineer must implement a solution that:

1.

Isolates the traffic for each tenant as separate routing data and control planes.

2.

Physically partitions the Cisco Nexus device into separate multiple logical devices with separate management, failure domain isolation, and resource management. Which two technologies meet these requirements? (Choose two.)

A. VDC

B. vPC

C. VXLAN

D. VLAN

E. VRF

Correct Answer: AE

QUESTION 5

A client in a commercial building Installs a Cisco blade server in the multitenant Cisco UCS blade Infrastructure. To cut operating costs me client\\'s data center is shared with other organizations. The client asks an engineer prevent third parties from accessing their equipment and from accessing BIOS-related information when booting a server. Which Two policies must be used to meet these requirements? (Choose two.)

A. quiet boot

B. post error pause

C. ASPM support

D. CDN control

E. front panel lockout

Correct Answer: AE

QUESTION 6

Which feature must be configured to connect a classical Ethernet network to a data center network so that the data center network appears to be one large switch.

A. VPC+

B. UDLD

C. EVPN

D. OSPF

Correct Answer: A

A vPC allows links that are physically connected to two different Nexus switches to appear as single portchannel to a server or another switch.

QUESTION 7

An engineer is experiencing performance issues on a cisco UCS blade server. The B-series blade server contains four CPUs, most of which are idle. The engineer notices that the CPU is suffering from too many requests sent by the NIC. Additionally, the number of queues appears to be insufficient and only a single CPU is processing the network traffic.

Which policy must be used to alleviate these issues?

A. Ethernet adapter

B. vNIC placement

C. LAN connectivity

D. Dynamic vNIC connection

Correct Answer: D

QUESTION 8

Which two configurations are available by using a service profile template in Cisco UCS Manager? (Choose two.)

A. number of vHBAs

B. ARP entries

C. UUID assignment

D. VXLAN membership

E. target server

Correct Answer: AC

Reference:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-2/b_UCSM_CLI_Configuration_Guide_2_2/b_UCSM_CLI_Configuration_Guide_2_2_chapter _0100000.html

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QUESTION 9

A cloud provider deploys an infrastructure based on Cisco ACI Fabric, Cisco UCS, and Cisco HyperFlex Data Platform. The storage area network will be based on Cisco MDS 9000 Series Switches with Hyper-V, VMware, and KVM used as the virtualization platform. The requirement is to deploy the overall solution by using a robust automation and orchestration tool.

Which tool meets these requirements?

A. Cisco Prime Infrastructure

B. Cisco Network Assurance

C. Cisco UCS Director

D. Cisco Cloud Center

Correct Answer: C

QUESTION 10

Which authentication software natively runs within the CLI of Cisco NX-OS devices?

A. Python

B. Ansible

C. Puppet

D. Chef

Correct Answer: C

"Authentication" does not make sense, of course. And as it is automation software, it must be Python. Ansible software does not run natively on the NX-OS device. NX-OS can be a client device managed by Ansible, but this does not mean it runs Ansible. The same holds for Puppet. Even if there is native Puppet agent for NX-OS, it does not mean (at least for me), it runs Puppet.

https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2015/pdf/BRKDCT-2459.pdf

QUESTION 11

An engineer must implement a WWPN pool for the vHBA template inside the Cisco UCS Manager. The template is used to connect a Cisco UCS B-Series blade to an external storage array.

Which addressing sequence accomplishes this goal?

A. from 20:00:00:00:00:00:00:00 to 20:FF:FF:FF:FF:FF:FF:FF

B. from 192. 168.1.1 to 192.168.1.254

C. from iqn.2020-c41i4p21y5a165.lab.ucs-00 to iqn.2020-ceiD1pj5y135-8.lab.ucs-FF

D. from 00:0A:E6:3E:00:00 to 00:0A:E6:3E:00:FF

Correct Answer: A

QUESTION 12

Refer to the exhibit.

* Only use a proxy for border leaf switches.
* Classify incoming traffic on L3OUT.
* Immediately update the endpoint database when the endpoint moves between leaf switches.

The Cisco Nexus Series Switch with hostname Nexus1 is the default gateway for server A and server B. Both servers must have reachability to the internet, however, server A internet traffic must pass through the firewall for deep packet inspection. Also, the firewall must inspect any communication between server A and server B.

Which solution must be applied to separate the data plane path for server A and server B?

A. VLAN

B. VRF

C. VDC

D. VXLAN

Correct Answer: B