300-610^{Q&As}

Designing Cisco Data Center Infrastructure (DCID)

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QUESTION 1

A Cisco engineer is developing a custom application that can run natively in Cisco NX-OS on Nexus 9000 and Nexus 3000 platforms For the NX-SDK application to run the engineer enables the NX-SDK feature on the device Then the NXSDK is imported into the application via an import nx_sdk_py statement. The engineer creates custom CLI commands and defines custom CLI command syntax within the sdkThread function

When CLI commands originate from an NX-SDK application what class is this?

A. clicm.printConsole

B. postCliCb

C. pyCmdhandler

D. nx_sdk_pyValid-to_int

Correct Answer: D

QUESTION 2

An engineer needs to configure multiple network devices using Ansible Device passwords must meet these requirements:

1.

be stored securely

2.

not be visible as plaintext

3.

be available to Ansible playbooks for executing scripts Which solution must the engineer choose?

A. Encrypt a password variable file using Ansible Vault.

B. Store the passwords within a Git repository Secrets Manager

C. Encrypt passwords as Ansible environment variables

D. Encrypt the passwords within the Ansible inventory file.

Correct Answer: A

QUESTION 3

An engineer must design a DNS service available to multiple network zones as a shared service. The network zones are deployed as VRFs within the data center network and no firewall is available for communication between VRFs. Which protocol is needed to implement the shared services?

A. BGP

B. OSPF

C. ISIS

D. VXLAN

Correct Answer: D

QUESTION 4

An engineer must connect a Cisco UCS B-Series based system to an existing large storage area network fabric. The deployment must support hardware-based load balancing, prevent Fibre Channel domain ID exhaustion, and enable all blade servers to be in the same VSAN.

Which set of actions meets the requirements?

A. Enable Fibre Channel end-host mode on the fabric interconnect and NPIV mode on the SAN switch. Create an F Port channel that faces the fabric interconnect.

B. Connect the fabric interconnect to the E Ports on the SAN switch. Create a SAN port channel.

C. Configure Ethernet end-host automatic load balancing on the fabric interconnect. Set NL port mode on the SAN switch.

D. Place all interfaces that face the fabric interconnects in the same VSAN. Disable zoning for the VSAN.

Correct Answer: A

QUESTION 5

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