



# 350-601<sup>Q&As</sup>

Implementing and Operating Cisco Data Center Core Technologies  
(DCCOR)

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### QUESTION 1

A network engineer needs a tool to automate the provisioning of Cisco UCS Service Profiles. The administrator has limited programming knowledge but is skilled with scripting tools. The tool must include existing support for Cisco UCS configuration. Additionally, the administrator will eventually use the solution to manage Cisco UCS C-Series Rack Servers.

Which tool meets these requirements?

- A. Cisco DCNM
- B. Python scripts
- C. PowerShell
- D. Bash scripts

Correct Answer: C

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### QUESTION 2

A UCS B- Series server located in B5108 chassis 1 slot 1 is currently unavailable. The server needs to be associated with a specific service profile when it becomes available. Which associate service profile option should be selected to accomplish this goal?

- A. server pool
- B. server
- C. custom server
- D. restrict migration

Correct Answer: C

[https://www.cisco.com/en/US/docs/unified\\_computing/ucs/sw/gui/config/guide/141/UCSM\\_GUI\\_Configuration\\_Guide\\_141\\_chapter28.html](https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter28.html)



#### Associating a Service Profile with a Server or Server Pool

Follow this procedure if you did not associate the service profile with a blade server or server pool when you created it, or to change the blade server or server pool with which a service profile is associated.

#### Procedure

**Step 1** In the Navigation pane, click the Servers tab.

**Step 2** On the Servers tab, expand Servers > Service Profiles.

**Step 3** Expand the node for the organization that contains the service profile that you want to associate with a new server or server pool.

If the system does not include multi-tenancy, expand the root node.

**Step 4** Right-click the service profile you want to associate with a server and select Change Service Profile Association.

**Step 5** In the Associate Service Profile dialog box, select one of the following options:

Option	Description
Server Pool	Select a server pool from the drop-down list. Cisco UCS Manager assigns a server from this pool to the service profile. Continue with Step 7.
Server	Navigate to the desired available server in the navigation tree and select the server which will be assigned to the service profile. Continue with Step 7.
Custom Server	Specifies the chassis and slot that contains the server that will be assigned to the service profile. If the server is not in the slot or is otherwise unavailable, the service profile will be associated with the server when it becomes available. Continue with Step 6.

**Step 6** If you chose Custom Server, do the following:

- In the Chassis Id field, enter the number of the chassis where the selected server is located.
- In the Server Id field, enter the number of the slot where the selected server is located.

### QUESTION 3

A customer has a requirement for an automation solution that supports periodically acquiring configuration from a centralized server and aligning UCS servers to their desired state.

Which open- source tool meets these requirements?

- A. SaltStack
- B. Terraform
- C. Puppet
- D. Kubemetes

Correct Answer: C

"Overview of Puppet architecture: [...] After it receives a catalog, the Puppet agent applies the catalog by checking each resource that the catalog describes. If it finds any resources that are not in their desired state, it makes any changes necessary to correct them."

[https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rackservers/whitepaper\\_c11-740103.pdf](https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rackservers/whitepaper_c11-740103.pdf) <https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-devops-integrationsol-brief.pdf>

from DCCOR book under Puppet section The operation of the Puppet agent involves periodically connecting to the Puppet master, which in turn compiles and sends a configuration manifest to the agent. The agent reconciles this manifest with the current state of the node and updates state that is based on differences.

### QUESTION 4



Which storage protocol reduces file locks by using leasing?

- A. CIFS
- B. NFS 4
- C. NFS 3
- D. SMB

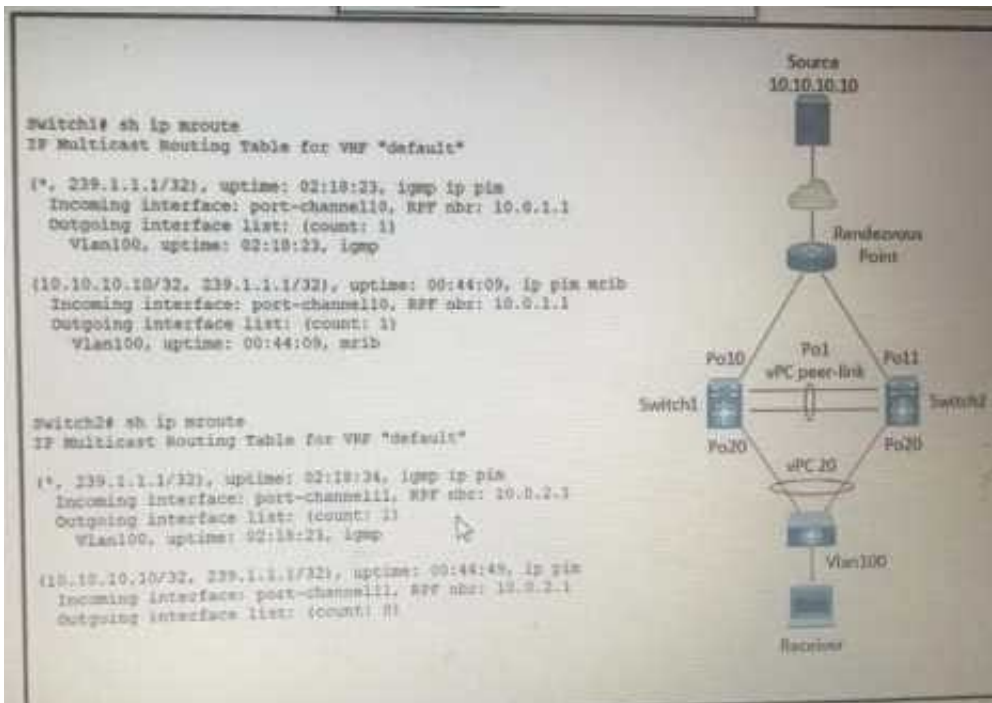
Correct Answer: D

<https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2016/pdf/BRKCOM-1211.pdf>

- **SMB Directory Leasing**
  - Ability to cache file and directory metadata
  - Branch offices need to make less round trips to the central server

#### QUESTION 5

Refer to the exhibit.



A host with source address 10.10.10.10. sends traffic to multicast group 239.1.1.1. how do the vPC switches forward the multicast traffic?

- A. If multicast traffic is received on Po11 Switch2, the traffic is forwarded out only one Po20.



B. If multicast traffic is received on Po10 Switch1, the traffic is forwarded out on Po1 and Po20.

C. If multicast traffic is received on Po11 and Switch2, the traffic is dropped.

D. If multicast traffic is received on Switch over the vPC peer-link, the traffic is dropped.

Correct Answer: C

<https://www.cisco.com/c/en/us/support/docs/ip/multicast/214140-multicast-forwarding-in-vpc-based-on-loc.html#anc8>

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