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Designing and Implementing Cisco Network Programmability

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QUESTION 1

After completing the OCS setup wizard, the configuration does not get applied. Which two log files should you check to determine the errors that occurred? (Choose two.)

A. /var/log/node_config_state.log

B. /var/log/platform_services.log

C. /var/log/ansible.log

D. /var/log/messages.log

E. /var/log/controller.log

Correct Answer: BC

Step 5 Complete the setup wizard:

Click Submit Cluster Configuration.

If configuration does not complete:

Check ansible.log and platform_services.log (located in the /var/log/ directory) to determine the errors that took place and make the necessary fixes.

QUESTION 2

Which two initial actions should you take when exploring automation for ACI? (Choose two.)

A. Develop an open-source package or SDK

B. Look for an open-source package or SDK

C. Write scripts that leverage the Python standard library

D. Use the API inspector and test API calls.

E. Use the ncclient command to explore the NETCONF capabilities of the Cisco APIC.

Correct Answer: AD

QUESTION 3

The YANG data modeling language uses which two node types? (Choose two.)

A. leaf-list

B. array

C. leaf-array

D. spine

E. container

Correct Answer: AE

Reference: https://www.cisco.com/c/en/us/td/docs/optical/ncs1000/60x/b_Datamodels_cg_ncs1000/b_Datamodels_cg_ncs1000_chapter_00.pdf

QUESTION 4

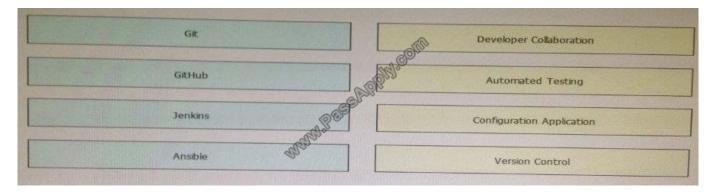Which two tools help you to program against Nexus APIs? (Choose two.)

A. Jenkins

B. Cisco Nexus 1000v

C. VIRL

D. DevNet sandboxes

E. Cisco Open SDN Controller

Correct Answer: AD

QUESTION 5

Drag and drop the tools on the left to their corresponding functions on the right.

Select and Place:

Git		Developer Collaboration
GitHub		Automated Testing
Jenkins		Configuration Application
Ansible		Version Control

Correct Answer:

	GitHub
	Git
	Ansible
	Jenkins

QUESTION 6

Which Linux command gives you an overview of all currently running processes on the system?

A. print all

B. ps aux

C. iostat

D. star all

Correct Answer: B

Reference: https://www.cyberciti.biz/faq/show-all-running-processes-in-linux/

QUESTION 7

You are developing a YANG data model to represent the functionality of a new network application. Which two YANG statements do you use to organize the model into a hierarchy? (Choose two.)

A. module

B. grouping

C. submodule

D. augment

E. container

Correct Answer: DE

Organization - Leaf, leaf-list, container, lists, grouping, choice

Reference: https://tools.ietf.org/html/rfc6244

QUESTION 8

Which ACI object is used to divide two applications that use the same IP address?

A. bridge domain

B. EPG

C. VRF

D. tenant

Correct Answer: A

One or more bridge domains are associated with a context. All of the endpoints within the Layer 3 domain must have unique IP addresses because it is possible to forward packets directly between these devices if the policy allows it. A tenant can contain multiple contexts.

Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/aci-fundamentals/b_ACI-Fundamentals/b_ACI-Fundamentals_chapter_010001.html

QUESTION 9

Which two statements about YANG are true? (Choose two.)

A. YANG was conceptualized by Jerry Yang, former CEO of Yahoo

B. YANG provides security beyond SSL 3.0.

C. YANG can be executed similarly to a Python script.

D. YANG is used by NETCONF to define objects and data in requests and replies

E. YANG represents configuration? Operational, and RPC data.

Correct Answer: DE

Reference: https://www.slideshare.net/cmoberg/a-30minute-introduction-to-netconf-and-yang

QUESTION 10

Which field in Visore can you use to find a unique instance of a managed object?

A. IcOwn

B. dn

C. class name

D. classId

Correct Answer: B

To query for a particular class, enter the class name in the Class or DN field and click Run Query. Visore sends aconfigResolveClass method to Cisco IMC and the requested MO is displayed in a tabular format

Reference: http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/api/2-0/b_Cisco_IMC_api_2_0/b_Cisco_IMC_api_2_0_appendix_01000.html

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QUESTION 11

RESTCONF supports which three methods? (Choose three.)

A. lock

B. patch

C. put

D. get-config

E. get

F. edit-config

Correct Answer: BCE

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/restconf_prog_int.pdf

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QUESTION 12

You want to integrate Cisco Nexus switches into an existing operational process by leveraging Puppet for configuration management. What is required to achieve this goal?

A. The Puppet master must be able to reach the Cisco Nexus switch by using the NETCONF port.

B. Cisco Nexus switches must be configured in Puppet masterless mode.

C. The Puppet agent must be installed on all Cisco Nexus devices.

D. The Guest Shell must be enabled on all Cisco Nexus devices.

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3548/sw/programmability/7x/b_Cisco_Nexus_3500_Series_NX-OS_Programmability_Guide_7x.pdf

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