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QUESTION 1

Which network configuration protocol uses JSON as a data representation format?

A. NETCONF

B. SOAP

C. RESTCONF

D. HTML

Correct Answer: C

JSON-RPC is an RPC protocol built on JSON, as a replacement for XML-RPC or SOAP. It is a simple protocol that defines only a handful of data types and commands. JSON-RPC lets a system send notifications (information to the server that does not require a response) and multiple calls to the server that can be answered out of order. Example of a JSON-RPC 2.0 request and response using positional parameters.

Reference: https://tools.ietf.org/html/draft-ietf-netconf-restconf-13#section-1.1.1 5.3.2 https://tools.ietf.org/html/draft-box-http-soap-00 XML payload format in SOAP

QUESTION 2

RESTCONF supports which two resources? (Choose two.)

A. /restconf/data

B. /restconf/operations

C. /restconf/diagnostic

D. /restconf/performance

E. /restconf/fault

Correct Answer: AB

YANG Tree Diagram for an API Resource:

+--rw restconf

+--rw data

+--rw operations

+--ro yang-library-version

Reference:

https://yumaworks.freshdesk.com/support/solutions/articles/1000229884-what-restconf-features-are-supported-by-yumapro-sdk- https://tools.ietf.org/html/draft-ietf-netconf-restconf-14#section-3.3

QUESTION 3

Which two protocols can the Cisco APIC-EM use to communicate with supported platforms? (Choose two.)

A. OpFlex

B. SNMPv2c

C. SSH

D. HTTPS

E. RPC

F. OpenFlow

Correct Answer: BC

The Cisco APIC-EM communicates with its supported platforms using the following protocols: SNMPv2c or SNMPv3 Telnet or SSH Reference: http://www.cisco.com/c/en/us/td/docs/cloud-systems-management/application-policy-infrastru cture-controller-enterprise-module/1-0-x/deploy-guide/b_apic-em_deploy_guide_v_1_0_0_x/b_apic-em_deploy_guide_v_1_0_0_x_chapter_01.pdf

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QUESTION 4

Which statement about sharding in ACI is true?

A. Sharding is the technology that is designed to prevent "split-brain" scenarios in ACI.

B. Sharding is the service that presents the API on a Cisco APIC.

C. Sharding is the mechanism for the distributing the database and configuration changes on a Cisco APIC cluster.

D. Sharding is the distributed topology that is used in ACI (also referred to as spine-leaf).

Correct Answer: C

The Cisco APIC cluster uses a technology from large databases called sharding to distribute data among the nodes of the cluster. Data stored in the APIC is portioned to shards. Each shard has three replicas that are stored in the three

controller nodes. For each shard, one controller is elected as leader and the rest are followers.

Reference:

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/kb/b_kb-aci-stretched-fabric.html

https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-fabric/white-paper-c11-730021.html

Sharding Technology

In the case of a split-brain condition, automatic reconciliation is performed based on timestamps.

Each Cisco APIC has all Cisco APIC functions; however, processing is evenly distributed throughout the Cisco APIC

cluster.

QUESTION 5

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

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