



# 300-550<sup>Q&As</sup>

Designing and Implementing Cisco Network Programmability

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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

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**QUESTION 2**

Refer to the exhibit. Which effect does the parameter ?session=test have in this VIRL API call?

```
curl -X POST -u guest:guest --header "Content-Type/text/xml; charset=UTF-8" --data @API.virl http://virl-host:19399/simengine/rest/launch?session=test
```

- A. The API call is parsed and validated by VIRL, but no simulation is started.
- B. The topology file "APIvirl" is validated for proper structure content.
- C. The simulation is started in a special "test" mode that protects it from adversely affecting other simulations
- D. The simulation is started with the name "test".

Correct Answer: A

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**QUESTION 3**

Which two organizations are active in developing standardized YANG models for network programmability? (Choose two.)

- A. NIST/ITL
- B. ANS/ISO
- C. ETSI-NFV



D. IETF/NetMod

E. OpenConfig

Correct Answer: DE

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#### QUESTION 4

Which two protocols are examples of southbound APIs? (Choose two.)

A. VXLAN-GPE

B. LLDP

C. NETCONF

D. IPFIX

E. SYSLOG

F. OpFlex

Correct Answer: CF

Communication between the controller and network devices, ACI supports OpFlex and RESTful API for the southbound protocols.

Reference: <http://www.networkcomputing.com/networking/understanding-openflow-vxlan-and-ciscos-aci/551182896>

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#### QUESTION 5

What uniquely identifies managed objects within the ACI Management Information Tree?

A. domain name

B. class name

C. common name

D. distinguished name

Correct Answer: D

Reference: <https://www.cisco.com/c/en/us/products/collateral/cloud-systems-management/aci-fabric-controller/white-paper-c11-729586.html>

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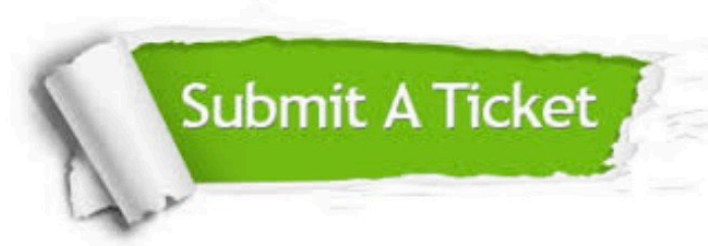
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