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Question 1

Which of the following is NOT an NSP application?

Options:

A- Service Fulfilment

B- Network Supervision

C- IP/MPLS Optimization

D- Network Virtualization

Answer:

C

Explanation:

According to the Nokia NSP Learning and Certification Program2, there are four main NSP applications:

Service Fulfillment: Enables service providers to design, create, and deliver IP/MPLS services across a multi-vendor network.

Network Supervision: Provides real-time visibility and control of network performance, faults, and inventory across physical and virtual networks.

IP/MPLS Optimization: Optimizes network resources by applying advanced algorithms and machine learning techniques to automate traffic engineering and path computation.

Network Virtualization: Enables service providers to create and manage virtualized network functions (VNFs) and network slices using cloud-native technologies.

Question 2

Question Type: **MultipleChoice**

Which of the following NSP API types provides location services?

Options:

A- REST

B- RESTCONF

C- XML

D- SOAP

Answer:

A

Explanation:

location services are part of the NSP REST API, which provides a full list of NSP REST API service names, endpoints and URLs.
Therefore, correct answer is A. REST Reference: https://www.nokia.com/networks/training/nsp/self-paced/programmable-network-automation/ https://documentation.nokia.com/cgi-bin/dbaccessfilename.cgi/3HE12075AAACTQZZA01_V1_NSP%2017.6%20API%20Programmer%20Guide.pdf

Question 3

Question Type: **MultipleChoice**

Which of the following statements about NSP APIs is FALSE?

Options:

A- They allow for supervision of network elements.They support REST/RESTCONF, SOAP/XML and GraphQlll1

B- They help with the definition and activation of network services.

C- They allow for an OSS and NSP server to talk to each other.

Answer:

B

Explanation:

NSP APIs allow for supervision of network elements, help with the definition and activation of network services, and allow for an OSS and NSP server to talk to each other. However, they do not support GraphQL, which is a query language for APIs.

According to Nokia NSP IP Network Automation Professional guide, NSP APIs support REST/RESTCONF, SOAP/XML and GraphQlll, and help with the definition and activation of network services, and they also allow for supervision of network elements and an OSS and NSP server to talk to each other. Therefore, statement B is false as it states that NSP APIs support Kafka which is not mentioned in the guide as a supported API.

Question 4

Question Type: MultipleChoice

Which of the following statements about Kafka is FALSE?

Options:

A- It is a distributed messaging system.

B- It is an open-source platform.

C- It is used to send real-time notifications.

D- It has four components: Producer, Consumer, Topic and Connector.

Answer:

D

Explanation:

Kafka is a distributed messaging system that is open-source and can be used to send real-time notifications. However, it has more than four components, such as brokers, partitions, replicas, consumer groups and zookeeper.

Question 5

Which of the following Kafka components represents a stream of messages of a particular category?

Options:

A- Producer

B- Broker

C- Topic

D- Consumer

Answer:

C

Explanation:

a Kafka topic is a channel where publishers (producers) publish data and where subscribers (consumers) receive data. A topic represents a stream of messages of a particular category.

In Kafka, a topic represents a stream of messages of a particular category or type. Producers publish messages to a specific topic, and consumers subscribe to and read messages from topics. Brokers are responsible for managing topics and ensuring that messages are distributed efficiently across the cluster.

Question 6

Which of the following statements about the YANG data modeling language is FALSE?

Options:

A- Data is in the form of a tree-like structure.

B- It is used to model configuration and state data.

C- Data model is not human readable.

D- Defines actions and operations.

Answer:

C

Explanation:

YANG is a data modeling language used to model configuration and state data for network devices. It defines a tree-like structure for data and is used to store, configure, and retrieve information from network devices. It is human readable and can be used to define actions and operations.

Question 7

What are the two main functionalities of the NSP REST API gateway services?

1. Versioning model

2. Create subscriptions

3. Location services

4. Authentication and termination services

Options:

A- 1 and 2

B- 2 and 3

C- 1 and 4

D- 3 and 4

Answer:

C

Explanation:

the NSP REST Gateway API provides the entry point for API clients to locate and authenticate REST client requests to gain access to the various NSP modules that have registered API services.

Question 8

Which of the following HTTP methods are NOT supported in REST and RESTCONF?

Options:

A- GET

B- PUT

C- DELETE

D- ADD

E- PATCH

Answer:

D

Explanation:

The HTTP methods that are supported by REST/RESTCONF are:

GET: Used to retrieve a representation of a resource.

PUT: Used to replace a resource or create it if it does not exist.

DELETE: Used to delete a resource.

PATCH: Used to apply a partial update to a resource.

The HTTP method ADD is not a standard HTTP method and is not supported by REST/RESTCONF.

Question 9

Which of the following HTTP methods is NOT supported by REST/RESTCONF?

Options:

A- OPTIONS

B- GET

C- PATCH

D- POST

E- TRACE

Answer:

E

Explanation:

The HTTP methods that are supported by REST/RESTCONF are:

OPTIONS: Used to retrieve the communication options available for a resource.

GET: Used to retrieve a representation of a resource.

PATCH: Used to apply a partial update to a resource.

POST: Used to create a new resource or trigger a specific action.

The HTTP method TRACE is not supported by REST/RESTCONF.

Question 10

Question Type: **MultipleChoice**

Which of the following is NOT a benefit of ZTP?

Options:

A- Lowers overall time for network rollout

B- Increases network throughput

C- Optimizes costs

D- Minimizes the amount of commands typed

Answer:

B

Explanation:

The option that is NOT a benefit of ZTP (Zero Touch Provisioning) is:

1. Increases network throughput.

ZTP is a network device deployment method that automates the initial configuration process of network devices, eliminating the need for manual intervention. The benefits of ZTP include:

2. Lowers overall time for network rollout C. Optimizes costs D. Minimizes the amount of commands typed

ZTP is a method of setting up devices that automatically configures the device using a switch feature.Another source2mentions that ZTP helps IT teams quickly deploy network devices in a large-scale environment, eliminating most of the manual labor involved with adding them to a network.A third source3explains that ZTP uses Cisco Plug and Play (Cisco PnP) to verify devices and perform downloads over a secure, encrypted channel.

Question 11

Which of the following statements about REST and RESTCONF is FALSE?

Options:

A- REST API uses KAFKA notification service.

B- REST/RESTCONF API performs CRUD operations on data.

C- REST uses HTTP protocol for data communication.

D- RESTCONF does NOT use schema mounts.

Answer:

D

Explanation:

REST and RESTCONF APIs provide a single entry point into the consolidated suite of NSP applications.Another source2mentions that NSP REST gateway provides access to NSD and NRC functionalities through REST API services.A third source3explains that RESTCONF is an HTTP-based protocol that performs CRUD operations on data using YANG models.

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