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## Exam A

### QUESTION 1

You are responsible for optimizing a global MPLS WAN. You must determine the optimal MPLS forwarding paths and automate the provisioning of the forwarding paths into the network.

Which Juniper Networks SDN solution will satisfy the requirements?

- A. Contrail
- B. Network Director
- C. NorthStar Controller
- D. Policy Enforcer

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 2

Which two protocols provide loop prevention in an underlay network? (Choose two.)

- A. OSPF
- B. VPLS
- C. EVPN
- D. MSTP

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 3

You are the administrator of an MPLS WAN. Intermittent WAN hardware failures are causing customer traffic to route over newly computed forwarding paths that do not satisfy service level agreements.

Which Juniper Networks solution would be used to analyze this problem?

- A. Contrail
- B. NorthStar Planner
- C. AppFormix
- D. Network Director

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 4

Which two capabilities are supported with the cSRX firewall? (Choose two.)

- A. IPS
- B. routing instances
- C. Layer 2 deployment
- D. chassis clustering

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 5**

Which mechanism allows tenants to interconnect across an overlay network?

- A. tunnels
- B. subnets
- C. EBGp connections
- D. P2P OSPF adjacencies

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 6**

Which statement is correct about an overlay network?

- A. An overlay network requires the CLOS architecture.
- B. An overlay network must have switches interconnected in a spine-leaf implementation.
- C. An overlay network requires an OSPF area.
- D. An overlay network uses tunneling technologies.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

From where does AppFormix gather performance metrics in a network?

- A. from a REST API connection
- B. from an agent on a host or system
- C. from RPM probes sent across the network
- D. from statistics NFVs instantiated in the data path

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

Which product is used to perform capacity planning on MPLS WANs?

- A. Contrail Cloud
- B. Cloud Service Orchestrator
- C. NorthStar Planner
- D. VMware NSX

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9**

You are using the NorthStar Controller to manage your WAN. You are required to remove a node from the network for maintenance purposes. You want to compute and provision alternate forwarding paths so that traffic is re-routed around the node



being taken offline for maintenance.

Which NorthStar Controller feature would be used in this scenario?

- A. node diversity
- B. shared risk link groups
- C. path diversity
- D. maintenance mode

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 10

Which statement is correct about SDN?

- A. The SDN controller has a centralized view of the network.
- B. The SDN controller must provide a manual method for configuration.
- C. SDN simplifies the network by combining the control and forwarding planes into a single controller.
- D. The configuration and management of an SDN solution should be distributed to the edge of the network.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 11

You want to automate the management of virtualized applications using Contrail Networking.

Which type of SDN is used in this scenario?

- A. OpenFlow SDN
- B. API SDN
- C. Overlay SDN
- D. Ansible Automation

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 12

Which two statements describe cloud CPE? (Choose two.)

- A. Cloud CPE eliminates the need for investing in expensive hardware.
- B. Cloud CPE allows multivendor, open support of software-based functions.
- C. Cloud CPE requires heavy investment in vendor-specific hardware.
- D. Cloud CPE encourages administrators to use all-in-one appliances.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 13



Which Junos Space application integrates with both VMware vSphere and VMware NSX solutions to automate the movement of VLANs between physical and virtual servers?

- A. Policy Enforcer
- B. Edge Services Director
- C. Connectivity Services Director
- D. Network Director

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 14

You want to secure sensitive data and detect malware in your network.

Which component would be used to satisfy this requirement?

- A. AppFormix
- B. Sky ATP
- C. Network Director
- D. Contrail Cloud

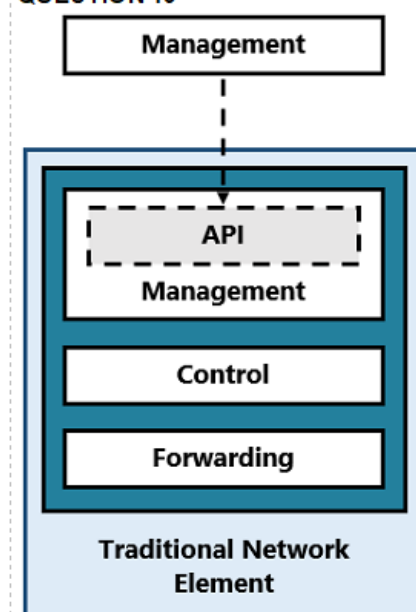
**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 15



Click the Exhibit button.

Which type of SDN is shown in the exhibit?

- A. API-based SDN
- B. OpenFlow-based SDN
- C. SDN as an underlay
- D. SDN as an overlay

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 16

A customer wants to deploy a website that can scale as needed.

Which type of service should the customer purchase in this scenario?

- A. DBaaS
- B. BGPaaS
- C. SaaS
- D. FWaaS

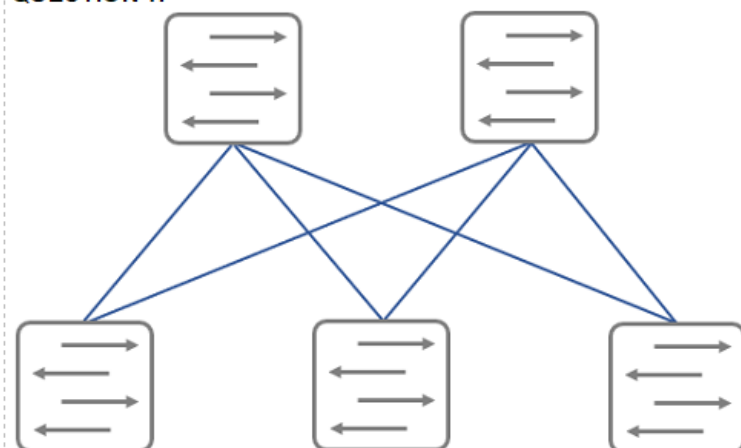
**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 17



Click the Exhibit button.

Which type of topology is shown in the exhibit?

- A. ERP topology
- B. hub-and-spoke topology
- C. tree topology
- D. spine-and-leaf topology

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 18

Which protocol is used to communicate LSP and status information between the NorthStar Controller and label edge routers?

- A. ICCP
- B. BGP
- C. PCEP

D. OSPF

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 19

What are two technologies that a vMX's control plane uses to communicate with the forwarding plane on the same server? (Choose two.)

A. OVSDB

B. SR-IOV

C. 802.1Q

D. Virtio

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 20

What are two reasons to use a vMX over a physical MX Series device in your deployment? (Choose two.)

A. A vMX has a lower barrier of entry.

B. A vMX accelerates adding new services.

C. A vMX increases analytic capabilities.

D. A vMX provides more routing features.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 21

In which two scenarios is Contrail used? (Choose two.)

A. private cloud networking

B. network hardware lifecycle management

C. Network Functions Virtualization

D. policy-based routing

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 22

AppFormix has been deployed in your data center using the Juniper Telemetry Interface (JTI) native sensors. However, the underlay devices have not yet been set up to work with the JTI native sensors.

Which action is required for the JTI native sensors to work properly?

A. Install the AppFormix network agent on the underlay devices.

B. Enable SSH on the underlay devices.

C. Enable GPB messaging on the underlay devices.

D. Enable NETCONF over SSH on the underlay devices.



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

Which statement is true about the vSRX Series and VMware NSX integration?

- A. The NSX Distributed Firewall provides a container-based layer of protection.
- B. VMware NSX provides advanced Layer 4 through Layer 7 security services.
- C. You can add the vSRX virtual firewall as a security element in the VMware NSX environment.
- D. The NSX Distributed Firewall uses application identification.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 24**

Which two Juniper devices are used as a CSO CPE device? (Choose two.)

- A. QFX
- B. NFX
- C. SRX
- D. MX

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 25**

You are deploying a Layer 2 underlay network with 2,000 devices and hosts.

Which two statements are correct? (Choose two.)

- A. The MAC tables can become very large and unmanageable.
- B. RPF is used for loop prevention.
- C. Network routing tables can become very large and unmanageable.
- D. RSTP can be used for loop prevention.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 26**

Which statement defines a public cloud?

- A. The cloud infrastructure is provisioned for open use by the general public.
- B. The cloud infrastructure is provisioned for exclusive use by a single organization comprising multiple consumers.
- C. The cloud infrastructure is provisioned for exclusive use by a specific community of consumers from organizations that have shared concerns.
- D. The cloud infrastructure is a composition of two or more distinct cloud infrastructures.

**Correct Answer:** A

**Section:** (none)

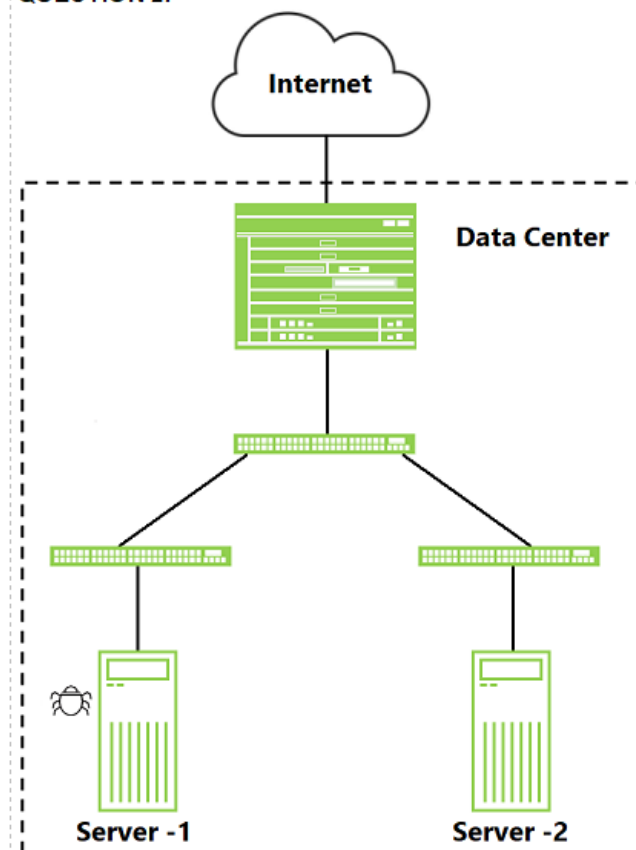




## Explanation

Explanation/Reference:

### QUESTION 27



Click the Exhibit button.

Referring to the exhibit, Server-1 has an infection and is communicating with a command and control server on the Internet. You want to ensure that the infection on Server-1 does not infect Server-2.

Which two actions accomplish this task? (Choose two.)

- A. Deploy Sky ATP with advanced anti-malware protection.
- B. Deploy Sky ATP with C&C protection.
- C. Deploy Sky ATP with GeolP protection.
- D. Deploy Policy Enforcer to isolate infected hosts.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

Explanation/Reference:

### QUESTION 28

What are two examples of SaaS? (Choose two.)

- A. Amazon Web Services
- B. Google Apps
- C. IBM Cloud
- D. Salesforce

**Correct Answer:** AD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 29**

Which two statements are true about cSRX firewalls? (Choose two.)

- A. The cSRX uses static CPU reservations.
- B. The cSRX does not use static CPU reservations.
- C. The host OS and image OS must match.
- D. The host OS can be different from the guest OS.

**Correct Answer:** BC

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 30**

Which two pricing models are available from AWS Marketplace for vSRX consumption? (Choose two.)

- A. based on the number of policies
- B. pay as you go
- C. annual subscription
- D. bring your own license

**Correct Answer:** BD

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 31**

What are two characteristics of Juniper's Connected Security Solution? (Choose two.)

- A. centralized management
- B. enforcement everywhere on the network
- C. manual secure policy control
- D. dynamic VPN connections

**Correct Answer:** AB

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 32**

Which two statements are true regarding private cloud services? (Choose two.)

- A. A private cloud cannot connect to a public cloud.
- B. A private cloud has dedicated resources for individual customers.
- C. A private cloud must apply encryption to all stored data.
- D. A private cloud can be deployed in a service provider network.

**Correct Answer:** BD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 33**

What are two objectives of SDN? (Choose two.)

- A. physical separation of the control plane from the data plane
- B. centralization of the forwarding plane
- C. centralization of the services plane
- D. centralization of the control plane

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

Which CSO component enables ISPs to set up and manage the virtual network and customers?

- A. Administration Portal
- B. Customer Portal
- C. Designer Tools
- D. Service and Infrastructure Monitor

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

Which protocol is used by the NorthStar Controller to discover existing tunnels in a service provider or large enterprise WAN?

- A. REST
- B. PCEP
- C. NETCONF
- D. SNMP

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

What are three orchestrators that integrate with Contrail? (Choose three.)

- A. Kubernetes
- B. Ubuntu
- C. vSphere
- D. VirtualBox.
- E. OpenStack

**Correct Answer:** ACE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 37**

According to Juniper Networks, what is the recommended external routing protocol for the underlay network?

- A. OSPF
- B. BGP
- C. EGP
- D. IS-IS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 38

Which statement is true regarding an OpenFlow controller-based software defined network?

- A. The SDN controller pushes configuration files to each device in the network using RESTful APIs.
- B. The forwarding plane of each device in the network is programmed by the controller.
- C. The control plane of each device in the network is instantiated by the controller.
- D. The forwarding plane of each device in the network is managed by the device.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 39

Which two statements are true about an SDN controller? (Choose two.)

- A. An SDN controller centralizes control and configuration of a network.
- B. An SDN controller stores and manages software images.
- C. An SDN controller regulates traffic transmission rates in a network.
- D. An SDN controller automates repetitive tasks in a network.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 40

What are two goals of cloud security automation? (Choose two.)

- A. to implement all security functions in hardware
- B. to centrally manage security policies
- C. to transition all security functions to cloud platforms
- D. to automate responses to detected security threats

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 41

Which CSO component enables the monitoring of the CSO system to provide real-time data about the Cloud CPE solution?

- A. Administration Portal



- B. AppFormix
- C. Designer Tools
- D. Customer Portal
- E. Service and Infrastructure Monitor

**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 42

Which Cloud CPE component manages the end-to-end path from the CPE to the central office or to another CPE?

- A. virtual network functions
- B. physical telco cloud infrastructure
- C. service orchestration
- D. infrastructure orchestration

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 43

Which interface is used by applications, orchestration systems, and other types of business systems to communicate with an SDN controller?

- A. east-west interface
- B. northbound interface
- C. southbound interface
- D. controller interface

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 44

Your company has three connections consisting of MPLS, Internet, and wireless connections, respectively. You must separate traffic according to the type of application sending that traffic across the three links.

Which product will facilitate this requirement?

- A. Contrail SD-LAN
- B. Contrail SD-WAN
- C. Contrail networking
- D. Contrail Cloud

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 45

What is an advantage of the Junos Telemetry Interface (JTI) over SNMP?

- A. JTI always transfers data over HTTP.



- B. JTI never transfers data over UDP.
- C. JTI can push data more frequently.
- D. JTI can pull data more frequently.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 46

Which two components are part of the AppFormix architecture? (Choose two.)

- A. policy controller
- B. compute node
- C. SDN controller
- D. data platform

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 47

You need to find a product that will allow for the deployment of security devices to a new tenant edge network in less than one second.

Which product accomplishes this task?

- A. MX
- B. cSRX
- C. vSRX
- D. NFX

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 48

What are two characteristics of Policy Enforcer? (Choose two.)

- A. Policy Enforcer has its own standalone GUI.
- B. Policy Enforcer is integrated with Security Director.
- C. Policy Enforcer consolidates threat information from multiple sources.
- D. Policy Enforcer provides telemetry data for a collector device.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 49

Devices in your data center have become unwilling participants of botnet attacks.

In this scenario, which security technology should you use to stop this behavior?

- A. Sky ATP C&C threat protection



- B. Sky ATP GeolP threat protection
- C. IPsec
- D. Policy Enforcer

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 50

AppFormix alarm notifications are sent to an HTTP server using which format?

- A. XML
- B. plain text
- C. JSON
- D. CSV

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 51

Which Juniper product provides insight into the underlay and overlay network at the same time?

- A. Juniper Extension Toolkit
- B. Security Director
- C. AppFormix
- D. Edge Services Director

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 52

Which two statements are true about virtualized platforms? (Choose two.)

- A. The vSRX must have two vCPUs dedicated to the vCP.
- B. The vMX uses one VM to host the vCP and vFP.
- C. The vMX uses separate VMs to host the vCP and vFP.
- D. The vSRX must have one vCPU dedicated to the vCP.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 53

What are two protocols used by the NorthStar Controller to discover the network topology? (Choose two.)

- A. OSPF-TE
- B. NETCONF
- C. SNMP
- D. BGP-LS



**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 54**

Which statement is correct when deploying services inside containers?

- A. Containers use fewer resources than VMs.
- B. Containers can always be deployed for free.
- C. Services have dedicated processor and memory resources on each server.
- D. Services must not be deployed using the same operating system.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 55**

Which two data models are supported for the Junos Telemetry Interface (JTI)? (Choose two.)

- A. Native Sensors
- B. Azure Application Insights
- C. Amazon Kinesis
- D. OpenConfig

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 56**

You are using service chains.

In this scenario, which component launches the NFV VM?

- A. orchestrator
- B. vRouter
- C. NorthStar Controller
- D. compute node

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 57**

You are required to set up zero-day malware detection for your private cloud without sending files off site for analysis.

What will accomplish this task?

- A. JATP
- B. Sky ATP
- C. UTM
- D. IDP





**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 58**

Which two benefits does the Junos Telemetry Interface (JTI) provide in an AppFormix architecture? (Choose two.)

- A. JTI uses a push model to deliver data asynchronously.
- B. JTI uses an SNMP pull model to eliminate additional processing.
- C. JTI enables you to deploy security policies to vSRX devices.
- D. JTI enables you to collect and export data from resources such as firewall filters.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 59**

You are deploying a vMX device in your network.

Which two virtualized components are required in this scenario? (Choose two.)

- A. virtual chassis fabric
- B. virtual chassis port
- C. virtual forwarding plane
- D. virtual control plane

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 60**

You are asked to reduce traffic on an MPLS VPN by automatically moving the traffic to an Internet circuit as long as it satisfies the SLA requirements.

In this scenario, what would you use to accomplish this task?

- A. Contrail Cloud
- B. Contrail SD-WAN
- C. AppFormix
- D. NorthStar

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 61**

Which Juniper product is used to remotely provision the NFX250 platform for Network Functions Virtualization?

- A. Junos Space Security Director
- B. Virtual Route Reflector
- C. Contrail Services Orchestration
- D. Contrail Security



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 62**

Which two statements are correct about the NFV framework? (Choose two.)

- A. The NFV framework is defined by ANSI.
- B. A spine and leaf implementation is an example of the NFV framework.
- C. The NFV framework enables horizontally scalable deployments of services.
- D. The NFV framework is defined by ETSI.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 63**

Which two statements are correct when using the native sensors model for the Juniper Telemetry Interface with AppFormix? (Choose two.)

- A. No additional software must be installed on the Junos device.
- B. Telemetry data is exported from the control plane.
- C. Additional software must be installed on the Junos device.
- D. Telemetry data is exported from the data plane.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 64**

You need to control and steer application traffic while maintaining an end-to-end view of the WAN and LAN.

Which Juniper cloud product will satisfy the requirements in this scenario?

- A. Contrail Cloud
- B. Contrail Service Orchestration
- C. Sky Enterprise
- D. Sky ATP

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 65**

You must create a security policy that works across your multicloud, Kubernetes, and OpenStack deployments.

Which product will accomplish this task?

- A. Contrail Security
- B. Juniper ATP
- C. Sky ATP
- D. Policy Enforcer



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

