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500-490

Designing Cisco Enterprise Networks



Exam A

QUESTION 1

Which component of the SD-Access fabric is responsible for communicating with networks that are external to the fabric?

- A. edge nodes
- B. control plane nodes
- C. intermediate nodes
- D. border nodes

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which protocol runs between the vSmart controllers and between the vSmart controllers and the vEdge routers, and unifies all control plane functions under a single protocol umbrella?

- A. BGP
- B. OSPF
- C. IKE
- D. OMP
- E. VRRP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 3

Which two statements regarding Cisco SD-WAN vEdge routers can mitigate DoS attacks against the infrastructure? (Choose two.)

- A. Open Certificate Authority and automated enrollment feature.
- B. By default, all incoming traffic is denied at the transport (WAN) side interfaces.
- C. Only authorized controllers are allowed to communicate back to the vEdge router after the vEdge router establishes connections with the controllers.
- D. In case of direct Internet access, the only traffic allowed back is the traffic matching the state table entries on the vEdge router.
- E. The vEdge routers run on hardened Linux operating systems.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4 Which two activities should occur during an SE's discovery process?

(Choose two.)

- A. Establishing credibility with the customer
- B. Working with the customer to develop a reference architecture
- C. Referencing the PPDIOO model to effectively facilitate the discussion
- D. Gathering information about the current state of the customer's network environment

E. Mapping Cisco innovation to customer's needs

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5 What are the three foundational elements required for the new operational paradigm?
(Choose three.)

- A. centralization
- B. assurance
- C. application QoS
- D. multiple technologies at multiple OSI layers
- E. policy-based automated provisioning of network
- F. fabric

Correct Answer: BEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6 Which two statements are true regarding Cisco ISE?
(Choose two.)

- A. It distributed deployments, failover from primary to secondary Policy Administration Nodes happens automatically.
- B. The number of logs that ISE can retain is determined by your disk space.
- C. ISE supports IPv6 downloadable ACLs.
- D. ISE can detected endpoints whose addresses have been translated via NAT.
- E. ISE supports up to 100 Policy Services Nodes.
- F. In two-nodes standalone ISE deployments, failover must be done manually.

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7 Which Cisco product were incorporated into Cisco ISE between ISE releases 2.0 and 2.3?

- A. Cisco ASA
- B. Cisco ESA
- C. Cisco ACS
- D. Cisco WSA

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which two Cisco ISE use cases typically involve the highest level of implementation complexity? (Choose two.)

- A. Guest and wireless access
- B. Software-defined access
- C. Device management
- D. Asset visibility
- E. Software-defined segmentation

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 How would Cisco ISE handle authentication for your printer that does not have a supplicant?

- A. ISE would not authenticate the printer as printers are not subject to ISE authentication.
- B. ISE would authenticate the printer using 802.1X authentication.
- C. ISE would authenticate the printer using MAB.
- D. ISE would authenticate the printer using web authentication.
- E. ISE would authenticate the printer using MAC RADIUS authentication.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 10 Which three ways are SD-Access and ACI Fabric similar? (Choose three.)

- A. use of overlays
- B. use of Virtual Network IDs
- C. focus on user endpoints
- D. use of group policy
- E. use of Endpoint Groups
- F. use of Scalable Group Tags

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11 Which Cisco vEdge router offers 20 Gb of encrypted throughput?

- A. Cisco vEdge 5000 B. Cisco vEdge 1000
- C. Cisco vEdge 2000
- D. Cisco vEdge 100

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12 Which is a benefit of a cloud-based SD-WAN deployment?

- A. might be required for compliance with industry standards
- B. controller availability never an issue
- C. security never an issue
- D. agility of change dependent only on your own internal IT processes
- E. instant scale

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13 Which feature is supported on the Cisco vEdge platform?

- A. single sign-on
- B. IPv6 transport (WAN)
- C. 2-factor authentication
- D. license enforcement
- E. reporting
- F. non-Ethernet interfaces

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14 Which are two Cisco recommendations that demonstrates SDA? (Choose two.)

- A. Use the CLI to perform as much of the configuration as possible.
- B. Show the customer how to integrate ISE into DNA Center at the end of the demo.
- C. Focus on business benefits.
- D. Keep the demo at a high level.
- E. Be sure you explain the major technologies such as VXLAN and LISP in depth.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15



Which is a function of the Proactive Insights feature of Cisco DNA Center Assurance?

- A. pointing out where the most serious issues are happening in the network
- B. generating synthetic traffic to perform tests that raise awareness of potential network issues
- C. enabling you to quickly view all of the contextual information related to a single user
- D. enabling you to see the complete path of packets from the client to the end application

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16 Which element of the Cisco SD-WAN architecture facilitates the functions of controller discovery and NAT traversal?

- A. vBond orchestrator
- B. vManage
- C. vSmart controller
- D. vEdge

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17 Which Cisco product supports SD-Access and specifically built to address new challenges faced by enterprises?

- A. Nexus 7700 w/ Sup2E and M3 line cards
- B. ISR 4221
- C. Catalyst 9500
- D. ASR 1000-HX
- E. CSRv virtual router
- F. Catalyst 6807-XL w/Sup6T and C6800 10G line cards

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18 Which two statements are true regarding Cisco ISE? (Choose two.)

- A. The major business outcomes of ISE are enhanced user experience and secure VLAN segmentation.
- B. ISE plays a critical role in SD-Access.
- C. Without integration with any other product, ISE can track the actual physical location of a wireless endpoint as it moves.
- D. ISE can provide data about when a specific device connected to the network.
- E. An ISE deployment requires only a Cisco ISE network access control appliance.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19 What are three ways in which Cisco ISE learns information about devices?
(Choose three.)

- A. user authentication to the ISE
- B. SMTP agents
- C. RPC mechanism via HTTPS
- D. traffic generated by the device
- E. network servers the device has accessed
- F. RADIUS attributes

Correct Answer: DEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20 Which two statements describes Cisco SD-Access? (Choose two.)

- A. programmable overlays enabling network virtualization across the campus
- B. an automated encryption/decryption engine for highly secured transport requirements
- C. software-defined segmentation and policy enforcement based on user identity and group membership
- D. a collection of tools and applications that are a combination of loose and tight coupling
- E. an overlay for the wired infrastructure in which traffic is tunneled via a GRE tunnel to a mobility controller for policy and application visibility

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21 Which two primary categories are displayed on the overall health page of the assurance component in the Cisco DNA Center? (Choose two.)

- A. Wired
- B. Client
- C. Access-Distribution
- D. Server
- E. Core
- F. Network

Correct Answer: BF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22 What should you do if you are looking at a strategic win with a customer and the customer wants to examine Cisco ISE for longer than a few weeks? A. Give them some of our flash files that can be played on any browser.

B. Set them up with an account on a Cisco UCS server that hosts ISE.

- C. Set them up with a dCloud account.
- D. Give them our ISE YouTube videos.
- E. Provide them with a downloadable POV lit.
- F. Point them to our dCloud demo library.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23 Which two statements are true regarding SD-WAN demonstrations? (Choose two.)

- A. As a Cisco SD-WAN SE, you should spend your time learning about the technology rather than contributing to demo innovation.
- B. Use demonstrations primarily for large opportunities and competitive situations.
- C. During a demo, you should demonstrate and discuss what the team considers important details.
- D. There is a big difference between demos that use a top down approach and demos that use a bottom up approach.
- E. During a demo, you should consider the target audience and the desired outcome.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24 Which are two Cisco ISE that benefits our customers? (Choose two.)

- A. provides network access control
- B. helps them stop and contain real-time threats
- C. enables them to set traffic priorities across the network
- D. helps them accelerate application deployment and delivery

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25 Which three options focus of the current digital business era? (Choose three.)

- A. IoT scale
- B. connectivity
- C. virtualized services
- D. automation
- E. centralized enterprise and web applications
- F. Human scale

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:



QUESTION 26 Which option will help build your customers platform during the discovery phase?

- A. business case
- B. detailed design
- C. POV report
- D. high-level design
- E. PO

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27 Which are the three focus areas for reinventing the WAN?
(Choose three.)

- A. Centralized device authentication
- B. Secure Elastic Connectivity
- C. Application Quality of Experience
- D. Operations
- E. Cloud First
- F. Execution

Correct Answer: BCE

Section: (none)

Explanation

Explanation/Reference:



QUESTION 28 Which two options help you sell Cisco ISE? (Choose two.)

- A. Downplaying the value of pxGrid as compared to RESTful APIs
- B. Explaining ISE support for 3rd party network devices
- C. Showcasing the entire ISE feature set
- D. Referring to TrustSec as being only supported on Cisco networks
- E. Discussing the importance of custom profiling

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29 Which three key differentiators that DNA Assurance provides that our competitors are unable match?
(Choose three.)

- A. Support for Overlay Virtual Transport
- B. On-premise and cloud-base analytics
- C. Apple Insights
- D. VXLAN support
- E. Proactive approach to guided remediation

F. Network time travel

Correct Answer: BEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30 Which two activities should occur during an SE's demo process? (Choose two.)

- A. determining whether the customer would like to dive deeper during a follow up.
- B. asking the customer to provide network drawings or white board the environment for you.
- C. identifying which capabilities require demonstration.
- D. leveraging a company such as Complete Communications to build a financial case.
- E. highlighting opportunities that although not currently within scope would result in lower operational costs and complexity.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31 Which two options are primary functions of Cisco ISE? (Choose two.)

- A. providing VPN access for any type of device
- B. providing information about every device that touches the network
- C. enabling WAN deployment over any type of connection
- D. automatically enabling, disabling, or reducing allocated power to certain devices
- E. enforcing endpoint compliance with network security policies
- F. allocating resources



Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 What is the easiest way to enable SD-Access for all your remote sites after you have your campus SD-Access fabric up and running?

- A. Treat all sites as one fabric domain and use the traditional physical network as the underlay.
- B. Use a separate fabric domain for each site and use SD-WAN as the underlay.
- C. Use a separate fabric domain for each site and use the traditional physical network as the underlay.
- D. Treat all the sites as one fabric domain and use SD-WAN as the underlay.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33 Which are two advantages of a “one switch at a time” approach to integrating SD-Access into an existing brownfield environment?
(Choose two.)

- A. appropriate for campus and remote site environment
- B. allows simplified testing prior to cutover
- C. ideal for protecting recent investments while upgrading legacy hardware
- D. involves the least risk of all approaches
- E. opens up many new design and deployment opportunities
- F. allows simplified roll back

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34 Which node enables Cisco ISE to share contextual information on a device with Cisco Stealthwatch?

- A. Monitoring and Troubleshooting Node
- B. pXGrid Controller
- C. Policy Administration Node
- D. Inline Posture Node

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 35 What statement is true regarding the current time in Enterprise Networking history?

- A. advent of cloud computing
- B. pace of change
- C. pervasive use of mobile devices
- D. advent of IoT

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference: