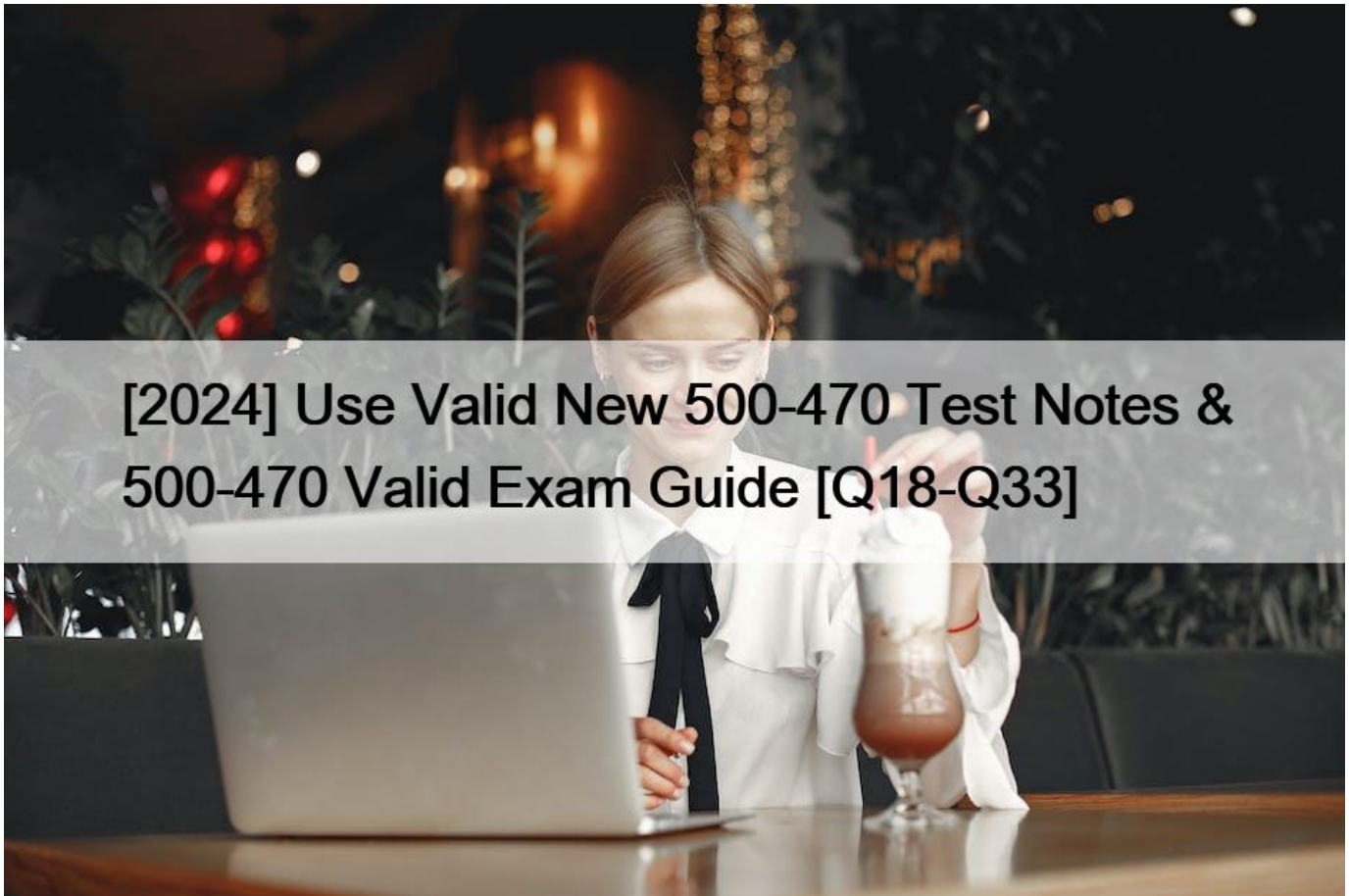


[2024 Use Valid New 500-470 Test Notes & 500-470 Valid Exam Guide [Q18-Q33]



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Q18. Which are three Cisco ISE use cases? (Choose three.)

- * BYOD
- * Assurance
- * Monitoring
- * Security Incident and Event Management
- * Access Control
- * Segmentation

Q19. Which three statements best describe Cisco ISE configuration capabilities? (Choose three.)

- * ISE Deployment Assistant (IDA) is a built in application designed to accelerate the deployment of Cisco Identity Service Engine (ISE)
- * Cisco ISE includes wireless setup wizard and visibility wizard.
- * ISE requires an understanding of the command line for set-up and configuration.
- * ISE wizards and pre-canned configurations ease ISE roll-out significantly.

- * Cisco Active Advisor provides additional guidance for ISE deployments

Q20. Which Cisco SD WAN component provides a secure data plane with remote vEdge routers?

- * vManage
- * vSmart
- * vBond
- * vEdge

Q21. Which party solution integrates with Cisco's security and network portfolios within the ISE?

- * 25+ 3rdparty solutions
- * 20+ 3rdparty solutions
- * 30+ 3rdparty solutions
- * 45+ 3rdparty solutions
- * 60+ 3rdparty solutions

Q22. Which three technologies are used in an SD-Access Fabric? (Choose three.)

- * MPLS
- * TrustSec
- * VXLAN
- * OTV
- * LISP
- * RSVP

Q23. Which options are Network Access Device types?

- * Switches, Wireless Controllers, and Routers
- * Switches, Routers, and VPN Gateways
- * Switches, Wireless Controllers, and VPN Gateways
- * Wireless Controllers, Routers, and VPN Gateways

Explanation

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Campus/CVD-Software-Defined-Access-Design-Gu> References :=
Some possible references are:

Cisco Enterprise Networks SDA, SDWAN and ISE Exam for System Engineers (ENSDENG) Study Guide Cisco Identity Services Engine Administrator Guide, Release 2.7 – Configure Network Access Devices

[Cisco Identity Services Engine]

Q24. What is a challenge of having an SD-Access Centralized design where a single fabric encompasses the main site and all branch sites across the WAN?

- * End to End Routing is not supported
- * SSIDs would be the same across all sites
- * DNA Center does not support it
- * Since the traffic is encapsulated. SD-WAN features can't be used to optimize/route traffic.

Q25. What is the default interval for BFD packets?

- * 5 Seconds
- * 10 Seconds
- * 15 Seconds
- * 1 Seconds

Explanation

https://www.cisco.com/en/US/technologies/tk648/tk365/tk207/technologies_white_paper0900_aecd80243fe7.html The default interval for BFD packets is 1 second. BFD uses Hello packets to detect the liveness and faults on a connection. BFD Hello Interval packet is sent at the default interval of 1000 milliseconds on all connections¹. This command can be used to change the hello interval for a transport color. The interval for transmitting and receiving BFD packets can also be configured on the interface level or the BFD session level, depending on the device and the protocol²³⁴. The BFD detection time is calculated as the product of the local detection multiplier and the agreed remote transmission interval. The lower the BFD detection time, the faster the BFD session can detect a fault. However, a lower BFD detection time also consumes more system resources and bandwidth. Therefore, the BFD detection time should be configured according to the network situation and performance requirements. References:

- 1: Bidirectional Forwarding Detection – Cisco
- 2: Configuring the BFD Detection Time – CloudEngine 16800 … – Huawei
- 3: Cisco IOS XE Catalyst SD-WAN Qualified Command Reference
- 4: bfd min-echo-receive-interval – Aruba

Q26. Which protocol is used between an Endpoint and a Switch with an 802.1 authentication?

- * RADIUS
- * EAP
- * MAB
- * TACACS

Q27. Which workflow is necessary for setting up a network hierarchy?

- * Provision
- * Design
- * Policy
- * Assurance

Q28. What is an example of Correlated Insights for SDA and Switching?

- * Control Plane Reachability
- * Roaming Pattern Analysis
- * AP License Utilization
- * Excessive Onboarding Time

Explanation

<https://www.ciscolive.com/c/dam/r/ciscolive/latam/docs/2017/pdf/BRKEWN-2032.pdf>

Q29. Where does the Cisco V-Edge Router perform QOS traffic classification?

- * Ingress interface
- * Per vEdge
- * Egress interface
- * Per VPN

Explanation

The Cisco V-Edge Router performs QoS traffic classification on the ingress interface, before the traffic enters the VPN. The classification is based on the match criteria specified in the access lists, which can include the source and destination IP addresses, ports, protocols, DSCP values, and application-aware NBAR attributes.

The classification results in assigning a forwarding class and a QoS group to each packet. The forwarding class determines the output queue and the scheduling policy for the packet on the egress interface. The QoS group is an internal label that can be used to remark the DSCP value of the packet or to match the packet in another access list for further processing. References:

Forwarding and QoS Configuration Guide for vEdge Routers, Cisco SD-WAN Release 20, Chapter 2:

Configuring Localized Data Policy,

<https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/qos/vEdge-20-x/qos-book/localized-da> Cisco SD-WAN Design Guide, Release 20, Chapter 6: Quality of Service,

https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/2020/b_SD-WAN_Design_Guide_Aug_2

Q30. How does identity management solve two customer problems? (Choose two.)

- * Enables and enforces 802.1X across the network platform
- * Increases digitization
- * Manages group membership
- * Provides network visibility and security
- * Achieves dynamic and adaptive network segmentation

Explanation

Identity management is the practice of making sure that people and entities with digital identities have the right level of access to enterprise resources like networks and databases. User roles and access privileges are defined and managed through an identity management system, such as Cisco Identity Services Engine (ISE)¹.

Identity management solves two customer problems:

Provides network visibility and security: Identity management allows customers to see who and what is on their network, and to control their access based on policies and context. Identity management also integrates with other security solutions, such as Cisco Firepower, Cisco Stealthwatch, or Cisco Umbrella, to detect and respond to threats, and to enforce adaptive network access policies based on the threat level of the endpoints².

Achieves dynamic and adaptive network segmentation: Identity management enables customers to segment their network based on the identity and context of the users and devices, rather than the IP addresses and VLANs. This allows customers to implement a zero-trust model, where only trusted users and devices can access the resources they need, and where the access policies can be dynamically updated based on the changing conditions and requirements. Identity management also supports Cisco TrustSec, which is a technology that assigns scalable group tags (SGTs) to endpoints and enforces group-based policies (contracts) across the network³.

References:

1: [What Is Identity Access Management (IAM)? – Cisco

Q31. Which two options are SD-WAN solution capabilities? (Choose two.)

- * Ability to provide and integrate security with complementary products and applications
- * The separation of management plane, control plane and data plane to enable horizontal scaling
- * Truck roll branch turn up for easy provisioning and new installations
- * Cloud hosted or on-Premise fully redundant management and control plane functions

Q32. Which options are Network Access Device types?

- * Switches, Wireless Controllers, and VPN Gateways
- * Wireless Controllers, Routers, and VPN Gateways
- * Switches, Wireless Controllers, and Routers
- * Switches, Routers, and VPN Gateways

Q33. Which three wireless product families are supported in the current DNA-C 1.1 release? (Choose three.)

- * AP 1260
- * WLC 8540
- * WLC 5508
- * AP 3800
- * WLC 3504

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