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Question: 1

What is the primary goal of using EVPN in Campus EVPN-VXLAN architecture?

A. Increase network latency
B. Enhance network performance
C. Simplify network provisioning
D. Limit network scalability

Answer: C

Explanation:
The primary goal of using EVPN in Campus EVPN-VXLAN architecture is to simplify network provisioning and management through a unified control plane.

Question: 2

What is the main goal of Wired Assurance Provisioning or Deployment?

A. Reduce human intervention
B. Enhance manual device configuration
C. Limit network scalability
D. Increase deployment complexity

Answer: A

Explanation:
The main goal of Wired Assurance Provisioning or Deployment is to reduce human intervention and automate processes for efficiency.

Question: 3

In Campus Fabric Architecture, what is the purpose of network segmentation?

A. To increase network latency
B. To simplify network management
C. To isolate network traffic
D. To reduce network scalability

Answer: C

Explanation:
The purpose of network segmentation in Campus Fabric Architecture is to isolate network traffic, enhancing network security and performance.

Question: 4

In Mist AI Wired, what is the benefit of having real-time insights into wired network performance?

A. Cost savings on network infrastructure
B. Increased security measures
C. Enhanced device compatibility
D. Improved user experience

Answer: D

Explanation:
Real-time insights into wired network performance in Mist AI Wired lead to improved user experience by ensuring network reliability and performance optimization.

Question: 5

Which Mist AI Wired feature provides network administrators with insights into device connectivity and performance metrics?

A. Access point firmware updates
B. Device 360 view
C. End-user authentication
D. Dynamic packet capture

Answer: B

Explanation:
Device 360 view in Mist AI Wired offers insights into device connectivity and performance metrics for efficient network monitoring and troubleshooting.

Question: 6

What is the main purpose of a Campus Fabric Architecture?

A. Enhancing network security
B. Improving network scalability
C. Providing centralized management
D. Reducing network complexity

Answer: D

Explanation:
Campus Fabric Architecture aims to reduce network complexity by simplifying network design and operation.

Question: 7

What is the role of wired assurance in network troubleshooting?

A. Providing insights into wired network performance
B. Managing printer settings
C. Configuring VLANs
D. Monitoring wireless signal strength

Answer: A

Explanation:
Wired Assurance plays a critical role in network troubleshooting by providing insights into wired network performance for efficient issue resolution and optimization.

Question: 8

How does Wired Assurance streamline the deployment of wired devices in a network?

A. By requiring manual configuration of each device
B. By using outdated protocols for setup
C. By automating configuration and provisioning processes
D. By increasing deployment complexity

Answer: C

Explanation:
Wired Assurance streamlines the deployment of wired devices by automating configuration and provisioning processes.

Question: 9

Which protocol is commonly used in Campus Fabric Architecture for network virtualization?

A. BGP (Border Gateway Protocol)
B. MPLS (Multiprotocol Label Switching)
C. VXLAN (Virtual Extensible LAN)
D. OSPF (Open Shortest Path First)

Answer: C

Explanation:
VXLAN (Virtual Extensible LAN) is commonly used in Campus Fabric Architecture for network virtualization, enabling virtual network overlays to be created on top of the physical network infrastructure.

Question: 10

In Wired Assurance provisioning, what is the role of a controller or orchestrator?

A. Manage wireless controllers
B. Update software on devices
C. Deploy configurations to devices
D. Monitor performance metrics

Answer: C

Explanation:
The controller or orchestrator in Wired Assurance provisioning is responsible for deploying configurations to devices.

Question: 11

Which Mist AI Wired feature offers visibility into network devices, clients, and traffic flow?

A. Quality of Service (QoS) settings B. User authentication mechanisms C. Access control policies
E. End-to-end visibility

Answer: D

Explanation:

End-to-end visibility in Mist AI Wired offers insight into network devices, clients, and traffic flow for

comprehensive network monitoring and troubleshooting.

Question: 12

Which feature of Campus Fabric Architecture helps in reducing network downtime?

A. Automated network configuration
B. Centralized network monitoring
C. Redundant power supplies
D. Limited network segmentation

Answer: A

Explanation:
Automated network configuration is a feature of Campus Fabric Architecture that helps in reducing network downtime by automatically reconfiguring network devices in case of failures.

Question: 13

Which Mist AI Wired feature allows network administrators to quickly identify and address issues in wired networks?

A. Traffic shaping tools
B. Historical data analysis
C. Dynamic packet capture
D. Device inventory management

Answer: C

Explanation:
Dynamic packet capture in Mist AI Wired enables network administrators to quickly identify and address issues in wired networks by capturing and analyzing network traffic.

Question: 14

How does Campus Fabric Architecture contribute to network security?

A. By implementing strict access control policies
B. By isolating network traffic into separate VLANs
C. By allowing unrestricted network access
D. By using proprietary encryption algorithms

Answer: B

Explanation:
Campus Fabric Architecture contributes to network security by isolating network traffic into separate VLANs, preventing unauthorized access to sensitive data.

Question: 15

Which feature in Mist AI Wired provides insights into network performance and user experience?

A. Campus Fabric
B. EVPN-VXLAN
C. Wired Assurance

D. Junos Space

Answer: C

Explanation:

Wired Assurance in Mist AI Wired provides insights into network performance and user experience.

Question: 16

In Campus EVPN-VXLAN architecture, what is the primary function of the VXLAN header?

A. Encapsulate Layer 2 frames
B. Maintain Layer 2 isolation
C. Provide Layer 3 routing information
D. Secure data transmission

Answer: A

Explanation:

The VXLAN header in Campus EVPN-VXLAN architecture is used to encapsulate Layer 2 Ethernet frames within Layer 3 UDP packets for transmission across the network.

Question: 17

What is the purpose of the Wired Assurance Management or Operations submodule?

A. To understand how to configure wired network devices remotely
B. To design a wired network topology for high availability
C. To learn how to troubleshoot wired network connectivity issues
D. To explore best practices for managing and monitoring wired network infrastructure

Answer: D

Explanation:

The Wired Assurance Management or Operations submodule focuses on best practices for managing and monitoring wired network infrastructure.

Question: 18

What is the benefit of using EVPN in Campus EVPN-VXLAN for multicast traffic handling?

A. Improved network scalability
B. Automatic network failover
C. Efficient distribution of multicast streams
D. Reduced network redundancy

Answer: C

Explanation:

Using EVPN in Campus EVPN-VXLAN enables efficient distribution of multicast traffic streams within the network, enhancing the overall performance and reliability for multicast applications.

Question: 19

What is the role of Wired Assurance in Mist AI Wired network management?

A. Managing wireless access points
B. Configuring network switches
C. Centralized monitoring of wired devices Implementing VLANs
D.

Answer: C

Explanation:

Wired Assurance in Mist AI Wired plays a role in the centralized monitoring of wired devices.

Question: 20

Which component of Campus Fabric Architecture helps in improving network agility and flexibility?

A. Static IP addresses
B. Legacy hardware Redundant links Software-defined networking
C.

Answer: D

D.

Explanation:

Software-defined networking is a component of Campus Fabric Architecture that helps in improving network agility and flexibility by separating network control from the hardware and enabling centralized network management.

Question: 21

What is the purpose of Wired Assurance in a network environment?

A. To enable wireless connectivity in a wired network
B. To secure wired connections using encryption protocols
C. To manage routing and switching functionalities
D. To provide real-time monitoring and troubleshooting capabilities

Answer: D

Explanation:

Wired Assurance in a network environment is used to provide real-time monitoring and troubleshooting capabilities for the wired infrastructure.

Question: 22

What is the purpose of EVPN in Campus EVPN-VXLAN architecture?

A. Improve network security
B. Provide Layer 3 connectivity
C. Enhance network scalability
D. Provide Layer 2 connectivity

Answer: B

Explanation:

EVPN in Campus EVPN-VXLAN architecture is used to provide Layer 3 connectivity between different

endpoints in the network.

Question: 23

Which of the following technologies enables automated provisioning in Wired Assurance?

A. VTP
B. ARP
C. STP
D. RESTCONF

Answer: D

Explanation:
RESTCONF is a technology that enables automated provisioning in Wired Assurance for efficient device setup.

Question: 24

What role does a provisioning template play in Wired Assurance deployment?

A. Executes commands on behalf of the user
B. Provides sample configurations for devices
C. Automatically provisions all devices in the network
D. Monitors network traffic

Answer: B

Explanation:
A provisioning template in Wired Assurance deployment provides sample configurations for devices, simplifying the provisioning process.

Question: 25

In Campus EVPN-VXLAN, what is the purpose of the VNI (VXLAN Network Identifier)?

A. Identify VXLAN tunnel endpoints
B. Bind Layer 2 and Layer 3 connectivity
C. Manage BGP route advertisements
D. Segment traffic flows within the overlay network

Answer: D

Explanation:
VNI (VXLAN Network Identifier) in Campus EVPN-VXLAN architecture is used to segment traffic flows within the overlay network, allowing for more efficient data transmission.

Question: 26

How does Mist AI Wired Assurance help in network troubleshooting?

A. By increasing network complexity
B. By suggesting resolution steps based on AI insights

C. By automatically opening support tickets
D. By ignoring network issues

Answer: B

Explanation:
Mist AI Wired Assurance helps in network troubleshooting by suggesting resolution steps based on AI insights.

Question: 27

How does Mist AI Wired Assurance simplify network management operations?

A. By increasing network complexity
B. By limiting scalability options
C. By providing automated alerting and troubleshooting
D. By reducing visibility into network performance

Answer: C

Explanation:
Mist AI Wired Assurance simplifies network management operations by providing automated alerting and troubleshooting mechanisms.

Question: 28

What is the primary goal of Wired Assurance in Mist AI Wired?

A. Enhancing network security
B. Real-time network monitoring
C. Streamlining device provisioning
D. Simplifying network architecture

Answer: B

Explanation:
The primary goal of Wired Assurance in Mist AI Wired is real-time network monitoring.

Question: 29

What is a disadvantage of using a traditional network architecture compared to Campus Fabric Architecture?

A. Increased network complexity
B. Improved network visibility
C. Limited network scalability
D. Lower network reliability

Answer: A

Explanation:
A disadvantage of using a traditional network architecture compared to Campus Fabric Architecture is increased network complexity, which can make network management more challenging.

Question: 30

What is the purpose of Wired Assurance Provisioning or Deployment?

A. Monitor campus fabric architecture
B. Deploy and provision wired devices
C. Provide wired network connectivity
D. Manage wireless access points

Answer: B

Explanation:
Wired Assurance Provisioning or Deployment focuses on deploying and provisioning wired devices efficiently.

Question: 31

What is the purpose of a Campus Fabric Architecture in a network environment?

A. To simplify network design and increase scalability
B. To optimize cloud storage performance
C. To automate network provisioning
D. To provide physical security for network devices

Answer: A

Explanation:
Campus Fabric Architecture is designed to simplify network design, increase scalability, and improve network performance.

Question: 32

How does automated provisioning benefit network deployment?

A. Increases human errors
B. Requires more manual intervention
C. Speeds up deployment time
D. Decreases deployment efficiency

Answer: C

Explanation:
Automated provisioning in Wired Assurance speeds up deployment time and reduces manual intervention for efficiency.

Question: 33

What role does the VNI play in VXLAN encapsulation in Campus EVPN-VXLAN?

A. Identifies the source and destination VTEPs
B. Assigns unique identifiers to network traffic flows
C. Determines the routing path for network traffic
D. Manages Quality of Service (QoS) policies

Answer: B

Explanation:

The VNI in VXLAN encapsulation within Campus EVPN-VXLAN assigns unique identifiers to network traffic flows, facilitating proper segmentation and routing within the overlay network.

Question: 34

What is the purpose of Wired Assurance Provisioning or Deployment in a network setup?

A. To secure network data
B. To monitor network performance
C. To configure and deploy wired network devices
D. To troubleshoot network issues

Answer: C

Explanation:

Wired Assurance Provisioning or Deployment involves configuring and deploying wired network devices in a network setup.

Question: 35

Which of the following is a key feature of Wired Assurance in Mist AI Wired?

A. Application performance monitoring for servers
B. End-to-end visibility and troubleshooting for wired networks
C. Real-time alerts for wireless network issues
D. Configuration management for access points

Answer: B

Explanation:

Wired Assurance provides end-to-end visibility and troubleshooting capabilities for wired networks to ensure network performance and reliability.

Question: 36

Which of the following is a benefit of automated provisioning in Wired Assurance?

A. Increased manual configuration
B. Reduced human error
C. Longer deployment times
D. Higher operational costs

Answer: B

Explanation:

Automated provisioning in Wired Assurance helps reduce human error and improve deployment efficiency.

Question: 37

In Campus EVPN-VXLAN, what is the role of VTEP?

A. Manage network security policies
B. Overlay network virtualization
C. Ensure seamless Layer 2 connectivity
D. Handle VXLAN encapsulation and de-encapsulation

Answer: D

Explanation:

VTEP (VXLAN Tunnel Endpoint) in Campus EVPN-VXLAN is responsible for handling VXLAN encapsulation and de-encapsulation for data forwarding.

Question: 38

What is the benefit of using VXLAN in Campus EVPN-VXLAN architecture?

A. Decreased network scalability
B. Improved network visibility
C. Increased network latency
D. Enhanced network virtualization

Answer: D

Explanation:

VXLAN provides enhanced network virtualization in Campus EVPN-VXLAN architecture by encapsulating Layer 2 Ethernet frames within Layer 3 UDP packets.

Question: 39

What is a key component of a Campus Fabric Architecture?

A. Core switches B. Access points C. Firewalls D. Mesh networks

Answer: A

Explanation:

Core switches are a key component of a Campus Fabric Architecture, serving as the central point of connectivity for all network devices within the architecture.

Question: 40

Which tool is used for monitoring and managing network devices in a Mist AI Wired network?

A. Mist Dashboard
B. Cisco DNA Center
C. Junos Space
D. Aruba Central

Answer: A

Explanation:

The Mist Dashboard is used for monitoring and managing network devices in a Mist AI Wired network.

Question: 41

What is the purpose of EVPN (Ethernet VPN) in a Campus EVPN-VXLAN network?

A. Distributed Layer 3 routing
B. Centralized Layer 2 forwarding
C. Server virtualization
D. Virtual Extensible LAN communication

Answer: D

Explanation:

EVPN enables Virtual Extensible LAN communication in a Campus EVPN-VXLAN network.

Question: 42

Which protocol is commonly used for device provisioning in Wired Assurance?

A. SNMP
B. OSPF
C. BGP
D. RESTCONF

Answer: D

Explanation:

RESTCONF is commonly used for device provisioning in Wired Assurance due to its simplicity and scalability.

Question: 43

Which technology is commonly used in Campus Fabric Architecture to improve network performance?

A. Network Address Translation (NAT)
B. Virtual Private Network (VPN)
C. Quality of Service (QoS)
D. Link Aggregation

Answer: D

Explanation:

Link Aggregation is commonly used in Campus Fabric Architecture to improve network performance by combining multiple network links into a single high-bandwidth connection.

Question: 44

What does Wired Assurance in Mist AI Wired help network administrators with?

A. Real-time insight into wired network health and performance
B. Managing configurations for switches
C. Monitoring only wired clients
D. Troubleshooting wireless issues

Answer: A

Explanation:

Wired Assurance provides network administrators with real-time insight into the health and performance of wired networks for proactive management and issue resolution.

Question: 45

Which of the following options describes the purpose of VXLAN tunneling in Campus EVPN-VXLAN architecture?

A. Extends Layer 2 segments over Layer 3 networks
B. Encrypts all network traffic
C. Implements network segmentation via VLANs
D. Provides network monitoring and visibility

Answer: A

Explanation:
VXLAN tunneling in Campus EVPN-VXLAN architecture extends Layer 2 segments over Layer 3 networks, enabling virtualized network connectivity between endpoints.

Question: 46

What is Zero Touch Provisioning (ZTP) in the context of Wired Assurance?

A. Deploying devices without connectivity
B. Provisioning devices without physical access
C. Provisioning devices using SNMP
D. Manual configuration of devices

Answer: B

Explanation:
Zero Touch Provisioning (ZTP) allows for the provisioning of devices without physical access through automated processes.

Question: 47

What feature in Mist AI Wired allows for proactive troubleshooting and remediation of network issues?

A. EVPN-VXLAN
B. JNCIS
C. Wired Assurance
D. Campus Fabric

Answer: C

Explanation:
Wired Assurance in Mist AI Wired allows for proactive troubleshooting and remediation of network issues.

Question: 48

What is a characteristic of a Campus Fabric Architecture?

A. Decentralized management
B. Scalability limitations
C. Converged network infrastructure
D. Complex network hierarchy

Answer: C

Explanation:
One of the characteristics of Campus Fabric Architecture is a converged network infrastructure, which combines multiple network technologies into a single, simplified network design.

Question: 49

What protocol is commonly used for control plane communication in Campus EVPN-VXLAN?

A. RIP
B. OSPF
C. EIGRP
D. BGP

Answer: D

Explanation:
BGP is commonly used for control plane communication in Campus EVPN-VXLAN to exchange reachability information, route attributes, and other network information.

Question: 50

What is the benefit of using Mist AI Wired Assurance for network management?

A. Reduced security
B. Limited scalability
C. Improved user experience
D. Increased latency

Answer: C

Explanation:
Mist AI Wired Assurance helps in improving user experience by providing insights and analytics for network management.

Question: 51

In Mist AI Wired, what tool can network operators use to view network health and analytics?

A. Junos Space
B. Aruba Central
C. EVPN-VXLAN
D. Mist Dashboard

Answer: D

Explanation:
In Mist AI Wired, network operators can use the Mist Dashboard to view network health and analytics.

Question: 52

Which of the following is a characteristic of EVPN in Campus EVPN-VXLAN architecture?

A. Encrypts all network traffic by default

B. Supports only Layer 2 VLAN communications
C. Uses BGP for MAC address learning
D. Relies on static routing for Layer 3 connectivity

Answer: C

Explanation:
EVPN in Campus EVPN-VXLAN architecture utilizes BGP for MAC address learning, making it efficient for distributed Ethernet services.

Question: 53

What is the term for the process of configuring network devices without individual manual intervention?

A. Legacy Provisioning
B. Automated Setup
C. Manual Configuration
D. Zero Touch Deployment

Answer: D

Explanation:
Zero Touch Deployment refers to the process of configuring network devices without individual manual intervention.

Question: 54

Which feature in Mist AI Wired enables network operators to easily deploy configurations and policies across the network?

A. EVPN-VXLAN
B. Zero Touch Provisioning
C. Wired Assurance
D. Campus Fabric

Answer: B

Explanation:
Zero Touch Provisioning in Mist AI Wired enables easy deployment of configurations and policies across the network.

Question: 55

What is the purpose of wired assurance in a network?

A. To monitor only wireless clients
B. To troubleshoot issues related to wired infrastructure
C. To monitor only wired clients

D. To ensure optimal performance and security for wired networks

Answer: D

Explanation:

The purpose of wired assurance is to ensure optimal performance and security for wired networks through monitoring and troubleshooting capabilities.

Question: 56

How does Wired Assurance in Mist AI Wired help optimize network performance?

A. By analyzing network traffic patterns
B. By adjusting wireless signal strength
C. By automatically restarting network devices
D. By providing traffic shaping tools

Answer: A

Explanation:

Wired Assurance in Mist AI Wired helps optimize network performance by analyzing network traffic patterns to identify opportunities for improvement and configuration adjustment.

Question: 57

What is an advantage of using a Campus Fabric Architecture in a network environment?

A. Increased network latency
B. Improved scalability
C. Limited network visibility
D. Higher maintenance costs

Answer: B

Explanation:

An advantage of using a Campus Fabric Architecture in a network environment is improved scalability, allowing for easier expansion and growth of the network.

Question: 58

Which technology is commonly used in Campus Fabric Architecture to simplify network management?

A. Border Gateway Protocol (BGP)
B. Shortest Path Bridging (SPB) Virtual
C. Extensible LAN (VXLAN) Virtual
D. Local Area Networks (VLANs)

Answer: C

Explanation:

Virtual Extensible LAN (VXLAN) is commonly used in Campus Fabric Architecture to simplify network management by extending Layer 2 networks over Layer 3 infrastructure.

Question: 59

Which technology allows for device provisioning in a quick, efficient manner in Wired Assurance?

A. Legacy protocols
B. Manual configuration
C. Zero Touch Provisioning
D. Paper-based provisioning

Answer: C

Explanation:
Zero Touch Provisioning is a technology that allows for quick and efficient device provisioning in Wired Assurance.

Question: 60

What is the purpose of Mist AI Wired Assurance?

A. Troubleshooting wireless connectivity
B. Provisioning network devices
C. Monitoring network performance
D. Analyzing network traffic

Answer: C

Explanation:
Mist AI Wired Assurance is used for monitoring network performance.

Question: 61

What benefit does Mist AI Wired's wired assurance feature provide for network security?

A. Encrypted data transmission
B. Access control policies
C. Intrusion detection
D. Real-time threat alerts

Answer: B

Explanation:
Wired assurance in Mist AI Wired enhances network security by providing access control policies and monitoring capabilities for proactive threat detection and prevention.

Question: 62

Which Mist AI Wired feature offers proactive troubleshooting and issue resolution for wired networks?

A. Network configuration templates
B. End-to-end visibility
C. Wireless client monitoring
D. Virtual network management

Answer: B

Explanation:
End-to-end visibility in Mist AI Wired offers proactive troubleshooting and issue resolution capabilities for wired networks by providing comprehensive network monitoring.

Question: 63

What is Wired Assurance in Mist AI Wired?

A. A feature that combines wired and wireless network assurance
B. A feature for wired networks only
C. A feature for troubleshooting hardware issues
D. A feature for wireless networks only

Answer: A

Explanation:
Wired Assurance in Mist AI Wired combines wired and wireless network assurance for comprehensive network monitoring and troubleshooting.

Question: 64

Which component in Mist AI Wired is responsible for real-time monitoring and alerting of network issues?

A. EVPN-VXLAN
B. Campus Fabric
C. Junos Space
D. Wired Assurance

Answer: D

Explanation:
Wired Assurance in Mist AI Wired is responsible for real-time monitoring and alerting of network issues.

Question: 65

How does Campus EVPN-VXLAN architecture handle network mobility for endpoints?

A. By maintaining static IP addresses
B. Through seamless migration of VTEP mappings
C. By disabling network roaming capabilities
D. By utilizing dynamic host configuration protocol

Answer: B

Explanation:
In Campus EVPN-VXLAN architecture, network mobility for endpoints is achieved through the seamless migration of VTEP mappings as devices move within the network.

Question: 66

What is the role of templates in wired network provisioning?

A. To monitor network performance
B. To troubleshoot network connectivity issues
C. To standardize the configuration of network devices
D. To increase network latency

Answer: C

Explanation:

Templates in wired network provisioning are used to standardize the configuration of network devices.

Question: 67

What is the role of dynamic policies in wired network provisioning?

A. To automate policy enforcement based on network conditions
B. To limit network access
C. To increase network latency
D. To reduce network performance

Answer: A

Explanation:
Dynamic policies in wired network provisioning automate policy enforcement based on network conditions.

Question: 68

Which component of the Mist AI platform provides a centralized dashboard for network troubleshooting and monitoring?

A. Junos Space
B. Marvis
C. vWLC
D. BLE

Answer: B

Explanation:
Marvis is the component of Mist AI platform that provides a centralized dashboard for network troubleshooting and monitoring.

Question: 69

In a campus EVPN-VXLAN deployment, what is the purpose of the VTEP (VXLAN Tunnel Endpoint)?

A. To provide Layer 3 connectivity between VXLAN segments
B. To encapsulate VXLAN packets for transmission over the network
C. To define VLAN-to-VXLAN mappings
D. To establish BGP control plane operations for EVPN

Answer: B

Explanation:
The purpose of the VTEP in a campus EVPN-VXLAN deployment is to encapsulate VXLAN packets for transmission over the network.

Question: 70

What is the role of VXLAN Tunnel Endpoint (VTEP) in a VXLAN network?

A. To perform network address translation
B. To establish Layer 3 connectivity between VXLAN segments
C. To provide the VLAN-to-VXLAN mapping
D. To encapsulate and de-encapsulate VXLAN packets

Answer: D

Explanation:

VXLAN Tunnel Endpoint (VTEP) in a VXLAN network is responsible for encapsulating and de-encapsulating VXLAN packets.

Question: 71

Which technology allows for policy-based automation in wired network provisioning?

A. OSPF B. VLAN C. SDN D. MPLS

Answer: C

Explanation:

SDN (Software-Defined Networking) allows for policy-based automation in wired network provisioning.

Question: 72

Which feature in Mist AI Wired Assurance allows for automated user onboarding and device profiling?

A. Device Discovery and Classification
B. Virtual Network Assistant
C. Device Inventory Management
D. User Authentication Policies

Answer: A

Explanation:

Device Discovery and Classification in Mist AI Wired Assurance helps with automated user onboarding and device profiling.

Question: 73

Which Mist AI component is responsible for collecting telemetry data from wired network devices?

A. Junos Space
B. vWLC
C. Marvis
D. BLE

Answer: B

Explanation:

Mist AI vWLC component is responsible for collecting telemetry data from wired network devices.

Question: 74

What is the purpose of using a VNI (VXLAN Network Identifier) in a VXLAN deployment?

A. To establish Layer 3 connectivity between VXLAN segments
B. To provide Quality of Service (QoS) for VXLAN traffic
C. To segregate traffic within a VXLAN network
D. To uniquely identify VXLAN tunnel endpoints

Answer: C
Explanation:
The purpose of using a VNI in a VXLAN deployment is to segregate traffic within a VXLAN network.

Question: 75

What is the primary goal of using EVPN (Ethernet Virtual Private Network) in a campus network?

A. To optimize network routing
B. To enable seamless network virtualization
C. To improve network security
D. To enhance network scalability

Answer: B
Explanation:
The primary goal of using EVPN in a campus network is to enable seamless network virtualization.

Question: 76

What role does machine learning play in Wired Assurance?

A. Automating software updates
B. Identifying malicious network traffic
C. Predicting network performance issues
D. Generating random network configurations

Answer: C
Explanation:
Machine learning in Wired Assurance helps in predicting network performance issues.

Question: 77

What is the role of the Alerting and Notification Engine in Mist AI Wired Assurance operations?

A. Assisting in device configuration backup
B. Providing network security audits
C. Analyzing network traffic patterns
D. Delivering real-time alerts and notifications

Answer: D
Explanation:
The Alerting and Notification Engine in Mist AI Wired Assurance delivers real-time alerts and notifications for network events and issues to assist in timely response.

Question: 78

In a Campus Fabric Architecture, what is the purpose of a VXLAN tunnel?

A. Increase network latency
B. Secure data transmission
C. Extend layer 2 connectivity over layer 3
D. Improve network scalability

Answer: C
Explanation:

VXLAN tunnels in a Campus Fabric Architecture extend layer 2 connectivity over layer 3 boundaries, enabling seamless communication across network segments.

Question: 79

How does Mist AI Wired Assurance facilitate proactive network maintenance and troubleshooting?

A. By optimizing network traffic flow
B. By enforcing strict security policies
C. By predicting potential network issues
D. By automating routine network tasks

Answer: C

Explanation:
Mist AI Wired Assurance helps in proactive network maintenance and troubleshooting by predicting potential network issues and providing insights for preventive actions.

Question: 80

Which Mist AI Wired Assurance feature assists in creating and enforcing network access policies for connected devices?

A. Service Level Expectations
B. Network Health Score
C. Virtual Network Assistant
D. User Authentication Policies

Answer: D

Explanation:
User Authentication Policies in Mist AI Wired Assurance help in creating and enforcing network access policies for connected devices.

Question: 81

What is the purpose of zero-touch provisioning in wired networks?

A. To manually configure all network devices B. To troubleshoot network connectivity issues C. To monitor network traffic

D. To automatically provision network devices without manual intervention

Answer: D

Explanation:
Zero-touch provisioning in wired networks allows for the automatic provisioning of network devices without manual intervention.

Question: 82

Which of the following is NOT typically included in wired network provisioning?

A. VLAN configuration
B. Traffic prioritization
C. Network monitoring
D. IP address assignment

Answer: C

Explanation:
Network monitoring is not typically included in wired network provisioning.

Question: 83

What is a benefit of using BGP as the underlay routing protocol in a Campus Fabric Architecture deployment?

A. Provides fast convergence
B. Optimizes multicast routing
C. Simplifies network configuration
D. Supports large scale networks

Answer: D

Explanation:
Using BGP as the underlay routing protocol in a Campus Fabric Architecture deployment allows for scalability and support for large-scale networks.

Question: 84

How does Wired Assurance help in improving network security?

A. By providing real-time threat detection
B. By disabling all wireless access points
C. By blocking all incoming traffic
D. By encrypting all network traffic

Answer: A

Explanation:
Wired Assurance helps in improving network security by providing real-time threat detection.

Question: 85

Which of the following is a key feature of Wired Assurance?

A. 3D mapping of network infrastructure
B. Voice recognition for network commands
C. Integration with social media platforms
D. Real-time device tracking

Answer: D

Explanation:
A key feature of Wired Assurance is real-time device tracking.

Question: 86

Which of the following is an advantage of using VXLAN in a campus network?

A. Enhanced network security

B. Simplified network troubleshooting
C. Reduced network latency
D. Improved network scalability

Answer: D

Explanation:
Improved network scalability is an advantage of using VXLAN in a campus network.

Question: 87

Which protocol is commonly used for control plane communication in a Campus Fabric Architecture design?

A. Border Gateway Protocol (BGP)
B. Open Shortest Path First (OSPF)
C. Simple Network Management Protocol (SNMP)
D. Intermediate System to Intermediate System (IS-IS)

Answer: D

Explanation:
Intermediate System to Intermediate System (IS-IS) is commonly used for control plane communication in a Campus Fabric Architecture design.

Question: 88

What role does the Mist AI Wired Assurance dashboard play in network operations?

A. Offers troubleshooting guidance
B. Provides real-time analytics
C. Generates network topology maps
D. Automates network provisioning

Answer: B

Explanation:
The Mist AI Wired Assurance dashboard provides real-time analytics and insights to help with network operations.

Question: 89

What is a characteristic of a spine device in a Campus Fabric Architecture design?

A. Centralized point for traffic aggregation
B. Connected directly to end devices
C. Only supports layer 2 forwarding
D. Configured with redundant links to leaf devices

Answer: D

Explanation:
Spine devices in a Campus Fabric Architecture design are configured with redundant links to leaf devices for high availability and scalability.

Question: 90

Which protocol is commonly used for wired network device management in a Mist AI environment?

A. HTTP
B. FTP
C. SNMP
D. MQTT

Answer: C

Explanation:
SNMP (Simple Network Management Protocol) is commonly used for wired network device management in a Mist AI environment.

Question: 91

Which Mist AI Wired feature provides real-time alerts and notifications for network events and issues?

A. Device Discovery and Classification
B. Virtual Network Assistant
C. Alerting and Notification Engine
D. Packet Capture Tool

Answer: C

Explanation:
The Alerting and Notification Engine in Mist AI Wired provides real-time alerts and notifications for network events and issues.

Question: 92

Which technology is commonly used for network virtualization in a Campus Fabric Architecture deployment?

A. IP subnetting
B. EVPN-VXLAN
C. VLAN tagging
D. MPLS labeling

Answer: B

Explanation:
EVPN-VXLAN technology is commonly used for network virtualization in a Campus Fabric Architecture deployment to provide scalable, efficient, and secure network connectivity.

Question: 93

What is the primary purpose of Wired Assurance Provisioning or Deployment?

A. To provide security for wired networks
B. To monitor network performance

C. To automate the configuration and deployment of wired networks
D. To troubleshoot network connectivity issues

Answer: C

Explanation:
Wired Assurance Provisioning or Deployment focuses on automating the configuration and deployment of wired networks.

Question: 94

How does Mist AI Wired Assurance contribute to overall network reliability and performance?

A. By optimizing network hardware
B. By enforcing strict security policies
C. By automating network provisioning
D. By monitoring and managing network devices

Answer: D

Explanation:
Mist AI Wired Assurance contributes to overall network reliability and performance by monitoring and managing network devices to ensure optimal operation.

Question: 95

What is the main challenge of wired network provisioning and deployment without automation?

A. Limited error reduction
B. High operational costs
C. Improved efficiency
D. Increased scalability

Answer: B

Explanation:
The main challenge of wired network provisioning and deployment without automation is high operational costs.

Question: 96

What is the primary benefit of Campus Fabric Architecture in a network environment?

A. Increases network latency
B. Decreases network scalability
C. Simplifies network operations
D. Reduces network security risks

Answer: C

Explanation:
Campus Fabric Architecture simplifies network operations by abstracting complexities and providing centralized management.

Question: 97

In Wired Assurance Provisioning or Deployment, what is the purpose of Zero Touch Provisioning (ZTP)?

A. To monitor network performance in real-time
B. To manually configure each device in the network
C. To automatically provision devices with minimal human intervention
D. To troubleshoot network issues remotely

Answer: C

Explanation:
Zero Touch Provisioning (ZTP) automates the process of provisioning devices, reducing the need for manual configuration and human intervention.

Question: 98

Which technology is used in Campus Fabric Architecture to eliminate the need for traditional Spanning Tree Protocol (STP) in the network?

A. Ethernet Virtual Private Network (EVPN)
B. Border Gateway Protocol (BGP)
C. Virtual Local Area Networks (VLANs)
D. Multiprotocol Label Switching (MPLS)

Answer: A

Explanation:
Ethernet Virtual Private Network (EVPN) is used in Campus Fabric Architecture to replace the traditional Spanning Tree Protocol (STP).

Question: 99

In a Campus Fabric Architecture, what is the role of an access point?

A. Establish BGP peering sessions
B. Encrypt data transmissions
C. Connect end devices to the network
D. Provide centralized management

Answer: C

Explanation:

Access points in a Campus Fabric Architecture connect end devices, such as computers, printers, and IoT devices, to the network for data communication.

Question: 100

What is the main benefit of using AI-driven insights in wired assurance?

A. Faster download speeds
B. Root cause analysis of network issues
C. Improved battery life for mobile devices

D. Stronger encryption protocols

Answer: B

Explanation:

The main benefit of using AI-driven insights in wired assurance is the ability to provide root cause analysis of network issues.

Question: 101

In a campus EVPN-VXLAN deployment, what is the primary function of the EVPN control plane?

A. To encapsulate Layer 2 traffic within Layer 3 packets
B. To provide Layer 3 connectivity between VXLAN segments
C. To define VLAN-to-VNI mappings
D. To establish BGP sessions for control plane operations

Answer: D

Explanation:

The primary function of the EVPN control plane in a campus EVPN-VXLAN deployment is to establish BGP sessions for control plane operations.

Question: 102

What is a key benefit of implementing a campus fabric architecture?

A. Decreased network scalability
B. Simplified network management
C. Limited network security
D. Increased network complexity

Answer: B

Explanation:

Implementing a campus fabric architecture can simplify network management by providing a unified, automated, and scalable network infrastructure.

Question: 103

What is the purpose of VXLAN (Virtual Extensible LAN) in a campus network environment?

A. To simplify network management
B. To improve network performance
C. To provide a means of encapsulating Layer 2 Ethernet frames within Layer 4 UDP packets
D. To enhance network security

Answer: C

Explanation:

VXLAN in a campus network environment provides a means of encapsulating Layer 2 Ethernet frames within Layer 4 UDP packets.

Question: 104

What is the purpose of Network Health Score in Mist AI Wired Assurance?

A. Enforcing security policies
B. Routing traffic to optimize performance
C. Monitoring network connectivity
D. Providing overall network health assessment

Answer: D

Explanation:
Network Health Score in Mist AI Wired Assurance provides an overall assessment of the network's health based on various metrics.

Question: 105

Which networking technology serves as the foundation for deploying VXLAN in a campus network?

A. Ethernet
B. IPsec (Internet Protocol Security)
C. MPLS (Multiprotocol Label Switching)
D. GRE (Generic Routing Encapsulation)

Answer: A

Explanation:
Ethernet serves as the foundation for deploying VXLAN in a campus network.

Question: 106

What is the purpose of Wired Assurance in a network environment?

A. To provide wireless connectivity
B. To optimize network performance
C. To monitor and manage wired devices
D. To secure network traffic

Answer: C

Explanation:
Wired Assurance in a network environment is used to monitor and manage wired devices for better network performance.

Question: 107

What is the primary goal of Wired Assurance provisioning?

A. To track website browsing history
B. To limit network access to specific users
C. To automate device configurations
D. To increase network congestion

Answer: C

Explanation:
The primary goal of Wired Assurance provisioning is to automate device configurations.

Question: 108

Which Mist AI feature allows for automated policy enforcement and network segmentation on wired devices?

A. Virtual LANs (VLANs)
B. Auto-VPN
C. Quality of Service (QoS)
D. Dynamic Segmentation

Answer: D

Explanation:

Dynamic Segmentation in Mist AI allows for automated policy enforcement and network segmentation on wired devices.

Question: 109

Which tool within Mist AI Wired Assurance can assist in identifying and resolving network connectivity issues?

A. Network Health Score
B. Packet Capture Tool
C. Virtual Network Assistant
D. Service Level Expectations

Answer: B

Explanation:

The Packet Capture Tool in Mist AI Wired Assurance can assist in identifying and resolving network connectivity issues.

Question: 110

What is the benefit of using automation in wired network deployment?

A. Increased operational efficiency
B. Longer troubleshooting times
C. Decreased network security
D. Limited scalability

Answer: A

Explanation:

The benefit of using automation in wired network deployment is increased operational efficiency.

Question: 111

Which protocol is commonly used for managing and provisioning network devices in a wired network?

A. Telnet
B. SMTP
C. SSH

D. FTP

Answer: C

Explanation:

SSH (Secure Shell) is commonly used for managing and provisioning network devices in a wired network.

Question: 112

Which feature of Campus Fabric Architecture contributes to improved network resilience and fault tolerance?

A. Point-to-Point Protocol (PPP) encapsulation
B. Static routing
C. VLAN isolation
D. Equal-Cost Multi-Path (ECMP) routing

Answer: D

Explanation:

Equal-Cost Multi-Path (ECMP) routing in Campus Fabric Architecture provides improved network resilience and fault tolerance by distributing traffic across multiple paths.

Question: 113

What is the purpose of Wired Assurance Management in a Mist AI Wired network?

A. Configuring network policies
B. Monitoring network performance
C. Managing device inventory
D. Automating network troubleshooting

Answer: C

Explanation:

Wired Assurance Management in a Mist AI Wired network is used for managing device inventory, configuration, and policies.

Question: 114

In Mist AI Wired, what is the purpose of Service Level Expectations (SLEs) in network operations?

A. Automating device configuration

B. Optimizing Quality of Service (QoS)
C. Monitoring network performance metrics
D. Managing user authentication

Answer: C

Explanation:
Service Level Expectations (SLEs) in Mist AI Wired are used for monitoring network performance metrics and ensuring service levels are met.

Question: 115

Which of the following is an advantage of using cloud-based solutions for wired network provisioning?

A. Lack of security
B. Centralized management
C. Limited flexibility
D. Decreased scalability

Answer: B

Explanation:
An advantage of using cloud-based solutions for wired network provisioning is centralized management.

Question: 116

What technology is used for overlay network virtualization to provide layer 2 and layer 3 connectivity in a campus environment?

A. OSPF
B. MPLS EVPN-VXLAN BGP
C. **Answer: C**
D. **Explanation:**
EVPN-VXLAN is used for overlay network virtualization in a campus environment.

Question: 117

In Wired Assurance, what is the purpose of the Service Level Expectations (SLEs) feature?

A. To schedule firmware updates for devices
B. To monitor network latency and packet loss
C. To generate network topology diagrams
D. To track delivery times for physical products

Answer: B

Explanation:
The purpose of Service Level Expectations (SLEs) feature in Wired Assurance is to monitor network latency and packet loss.

Question: 118

What is the purpose of a spine device in a Campus Fabric Architecture design?

A. Provide high-speed switching fabric

B. Manage network policies
C. Forward traffic to end devices
D. Serve as a centralized gateway

Answer: A

Explanation:

Spine devices in a Campus Fabric Architecture design provide a high-speed switching fabric to facilitate efficient data forwarding across the network.

Question: 119

Which Mist AI feature provides proactive recommendations for network optimizations and issue resolutions?

A. Dynamic Segmentation
B. Quality of Service (QoS)
C. Auto-VPN
D. Marvis Virtual Network Assistant

Answer: D

Explanation:

Marvis Virtual Network Assistant in Mist AI provides proactive recommendations for network optimizations and issue resolutions.

Question: 120

Which protocol is commonly used for automated network provisioning in wired networks?

A. NETCONF
B. DNS
C. DHCP
D. SNMP

Answer: A

Explanation:

NETCONF (Network Configuration Protocol) is commonly used for automated network provisioning in wired networks.

Question: 121

Which management system is commonly used for wired network provisioning and deployment?

A. Notepad
B. Adobe Photoshop
C. Cisco DNA Center
D. Microsoft Office

Answer: C

Explanation:

Cisco DNA Center is commonly used for wired network provisioning and deployment.

Question: 122

Which Mist AI Wired feature allows for centralized monitoring and management of wired network devices?

A. Wired Assurance Provisioning
B. Wired Assurance Fundamentals
C. Campus Fabric Architecture
D. Wired Assurance Management

Answer: D

Explanation:
Wired Assurance Management in Mist AI Wired provides centralized monitoring and management capabilities for wired network devices.

Question: 123

What is the function of the VXLAN Network Identifier (VNI) in a VXLAN network?

A. To establish Layer 3 connectivity between VXLAN segments
B. To provide Quality of Service (QoS) for VXLAN traffic
C. To uniquely identify VXLAN tunnel endpoints
D. To segregate traffic within a VXLAN network

Answer: D

Explanation:
The function of the VXLAN Network Identifier (VNI) is to segregate traffic within a VXLAN network.

Question: 124

What is the benefit of using VXLAN in a campus network environment?

A. Improved network scalability
B. Reduced network latency
C. Simplified network troubleshooting
D. Enhanced network security

Answer: A

Explanation:
The benefit of using VXLAN in a campus network environment is improved network scalability.

Question: 125

What role does Device Inventory Management play in Mist AI Wired Assurance operations?

A. Identifying network bottlenecks
B. Enforcing security policies
C. Tracking device location
D. Managing device configurations

Answer: D

Explanation:
Device Inventory Management in Mist AI Wired Assurance is used for managing device configurations and

ensuring network compliance.

Question: 126

Which of the following is a characteristic of VXLAN overlay networks?

A. They enable the extension of Layer 2 networks over Layer 3
B. They allow for the creation of Layer 3 tunnels
C. They require the use of VLANs for network segmentation
D. They are specific to campus network environments

Answer: A

Explanation:

VXLAN overlay networks enable the extension of Layer 2 networks over Layer 3.

Question: 127

Which component is responsible for the policy enforcement and service chain insertion in a Campus Fabric Architecture?

A. Edge device B. Leaf device C. Access point D. Core router

Answer: A

Explanation:

Edge devices in a Campus Fabric Architecture are responsible for policy enforcement and service chain insertion to control traffic flow.

Question: 128

Which technology is used for EVPN control plane operations in a campus network?

A. BGP (Border Gateway Protocol)
B. VRRP (Virtual Router Redundancy Protocol)
C. OSPF (Open Shortest Path First)
D. STP (Spanning Tree Protocol)

Answer: A

Explanation:

BGP (Border Gateway Protocol) is used for EVPN control plane operations in a campus network.

Question: 129

What is the purpose of Wired Assurance in a network environment?

A. To monitor and manage wired network devices
B. To analyze cellular data
C. To provide wireless connectivity
D. To secure virtual machines

Answer: A

Explanation:

Wired Assurance in a network environment is used to monitor and manage wired network devices.

Question: 130

Which component is responsible for connecting end devices to the network in a Campus Fabric Architecture design?

A. Leaf device
B. Edge device
C. Spine device
D. Border router

Answer: A

Explanation:
Leaf devices in a Campus Fabric Architecture design are responsible for connecting end devices to the network and providing access connectivity.

Question: 131

When designing a campus fabric architecture, what is the purpose of using spine and leaf switches?

A. To provide redundancy and high availability
B. To segment traffic for security purposes
C. To connect end devices to the network
D. To manage network configurations

Answer: A

Explanation:
Spine and leaf switches are used in a campus fabric architecture to provide redundancy and high availability in the network.

Question: 132

Which protocol is commonly used for device discovery in a Wired Assurance deployment?

A. OSPF
B. SNMP
C. LLDP
D. BGP

Answer: C

Explanation:
LLDP (Link Layer Discovery Protocol) is commonly used for device discovery in a Wired Assurance deployment.

Question: 133

Which submodule of Mist AI Wired Specialist focuses on managing and operating wired networks?

A. Wired Assurance Management
B. Wired Assurance Deployment
C. Wired Assurance Provisioning

D. Wired Assurance Fundamentals

Answer: A

Explanation:

Wired Assurance Management or Operations focuses on managing and operating wired networks within the Mist AI ecosystem.

Question: 134

What role does Mist AI play in Wired Assurance Provisioning or Deployment?

A. Monitoring network performance in real-time
B. Customizing network hardware configurations
C. Automating the initial setup and configuration of network devices
D. Configuring advanced routing protocols

Answer: C

Explanation:

Mist AI automates the initial setup and configuration of network devices as part of Wired Assurance Provisioning or Deployment.

Question: 135

What is the role of a site profile in Wired Assurance deployment?

A. To monitor network traffic
B. To apply location-specific settings to devices
C. To manage software updates
D. To configure wireless access points

Answer: B

Explanation:

A site profile in Wired Assurance deployment is used to apply location-specific settings to devices.

Question: 136

What is Wired Assurance in the context of Mist AI?

A. An open-source software
B. A cloud-based management platform
C. A network automation tool
D. A wireless networking protocol

Answer: B

Explanation:

Wired Assurance is a cloud-based management platform that enables automation and simplifies network operations.

Question: 137

Which statement is true about the scalability of EVPN-VXLAN compared to traditional VLAN-based architectures?

A. EVPN-VXLAN limits the number of devices that can be connected to the network
B. EVPN-VXLAN has a higher overhead for packet processing
C. EVPN-VXLAN offers increased scalability for network virtualization
D. EVPN-VXLAN does not support multi-tenancy

Answer: C

Explanation:
EVPN-VXLAN provides increased scalability for network virtualization compared to traditional VLAN-based architectures.

Question: 138

What is the initial step in deploying a wired network using Wired Assurance?

A. Network monitoring
B. Policy enforcement
C. Device discovery
D. Configuration validation

Answer: C

Explanation:
The initial step in deploying a wired network using Wired Assurance is device discovery.

Question: 139

What is the purpose of a campus fabric architecture in a network design?

A. To ensure high availability and scalability
B. To provide a centralized management platform
C. To enable seamless network automation
D. To optimize network traffic flow

Answer: A

Explanation:
Campus fabric architecture is designed to ensure high availability and scalability in network environments.

Question: 140

What is one of the primary goals of Wired Assurance Management?

A. Increase the number of network devices
B. Reduce network downtime
C. Maximize network congestion
D. Decrease network security

Answer: B

Explanation:
Reducing network downtime is a primary goal of Wired Assurance Management.

Question: 141

In a campus fabric architecture, what is the function of a spine switch?

A. To interconnect the leaf switches in the network
B. To provide Layer 3 routing between VLANs
C. To connect access switches in a non-blocking manner
D. To connect end-user devices

Answer: A

Explanation:
The spine switch in a campus fabric architecture serves to interconnect the leaf switches in the network.

Question: 142

Which protocol is commonly used for connected devices in a VXLAN overlay network?

A. RIP
B. BGP
C. EIGRP
D. OSPF

Answer: B

Explanation:
The Border Gateway Protocol (BGP) is commonly used in a VXLAN overlay network for advertising and learning MAC addresses.

Question: 143

Which feature of Wired Assurance Management allows for easier network configuration changes?

A. Static, manually configured policies
B. No configuration options
C. Random configuration changes
D. Dynamic, policy-based automation

Answer: D

Explanation:
Dynamic, policy-based automation in Wired Assurance Management allows for easier network configuration changes.

Question: 144

How does a leaf-spine architecture in a campus fabric design ensure high availability?

A. By providing redundant paths for traffic flow
B. By limiting network traffic to specific VLANs
C. By offering centralized network management capabilities
D. By prioritizing certain types of network traffic

Answer: A

Explanation:
A leaf-spine architecture in a campus fabric design ensures high availability by providing redundant paths for traffic flow.

Question: 145

How does Wired Assurance Management improve network reliability?

A. By ignoring network issues
B. By increasing network downtime
C. By decreasing network visibility
D. By automating network monitoring

Answer: D

Explanation:
Wired Assurance Management improves network reliability by automating network monitoring.

Question: 146

Which of the following is a characteristic of a leaf switch in a campus fabric architecture?

A. It provides high-speed uplink connections to the internet
B. It acts as a gateway for end-user devices
C. It connects directly to every spine switch in the network
D. It provides connectivity to end-user devices and access switches

Answer: D

Explanation:
A leaf switch in a campus fabric architecture provides connectivity to end-user devices and access switches in the network.

Question: 147

Which technology is commonly used in a campus fabric architecture for network virtualization?

A. VXLAN
8. MPLS
C. VRRP
D. OSPF

Answer: A

Explanation:
VXLAN (Virtual Extensible LAN) is commonly used in campus fabric architecture for network virtualization.

Question: 148

What is the purpose of a provisioning template in Wired Assurance?

A. To configure individual device settings
B. To generate reports on network activity
C. To automate the provisioning process for multiple devices
D. To monitor device performance

Answer: C

Explanation:

A provisioning template in Wired Assurance is used to automate the provisioning process for multiple devices.

Question: 149

Which of the following is NOT a benefit of utilizing Wired Assurance Management in network operations?

A. Proactive network monitoring
B. Decreased network efficiency
C. Automated network troubleshooting
D. Consistent network policies

Answer: B

Explanation:
Decreased network efficiency is not a benefit of utilizing Wired Assurance Management in network operations.

Question: 150

What is the purpose of Wired Assurance Management in a Mist AI Wired network?

A. Configuring network devices
B. Troubleshooting network issues
C. Managing user access
D. Monitoring network performance

Answer: D

Explanation:
Wired Assurance Management is responsible for monitoring network performance in a Mist AI Wired network.

Question: 151

What is an advantage of using network virtualization technologies like VXLAN in a campus fabric architecture?

A. Improved Quality of Service (QoS)
B. Enhanced network security
C. Increased network scalability
D. Simplified management of network devices

Answer: C

Explanation:
Using network virtualization technologies like VXLAN in a campus fabric architecture can increase network scalability by providing flexible overlay networks.

Question: 152

What role does machine learning play in Wired Assurance Management?

A. Decreases network efficiency
B. Ignores network optimization
C. Increases network complexity
D. Improves network performance and security

Answer: D

Explanation:

Machine learning in Wired Assurance Management helps improve network performance and security.

Question: 153

When deploying Wired Assurance in a network, what is a key consideration for successful implementation?

A. Software licensing
B. Hardware compatibility
C. Network topology
D. Vendor support

Answer: C

Explanation:

Network topology is a key consideration for successful implementation of Wired Assurance in a network.

Question: 154

What is the purpose of EVPN in a campus network architecture?

A. To control Quality of Service (QoS)
B. To manage Wireless Access Points
C. To provide network virtualization through VRFs
D. To optimize routing for IoT devices

Answer: C

Explanation:

EVPN (Ethernet Virtual Private Network) in a campus network architecture provides network virtualization by using Virtual Routing and Forwarding (VRF) instances.

Question: 155

How does Wired Assurance Management help in network optimization?

A. By increasing network complexity
B. By automating network configuration changes
C. By delaying network troubleshooting
D. By decreasing network security

Answer: B

Explanation:

Wired Assurance Management helps in network optimization by automating network configuration changes.

Question: 156

What is one benefit of using Mist AI for managing wired networks?

A. Increased network performance via high-speed connectivity
B. Improved network security through advanced encryption technologies
C. Simplified network troubleshooting through predictive analytics
D. Enhanced network scalability through virtualization techniques

Answer: C

Explanation:
Mist AI simplifies network troubleshooting through the use of predictive analytics, leading to faster resolution of network issues.

Question: 157

What is the role of analytics in Wired Assurance Management?

A. Decreases network monitoring
B. Increases network security
C. Does not play a role
D. Monitors network performance and usage

Answer: D

Explanation:
Analytics in Wired Assurance Management help monitor network performance and usage.

Question: 158

How does Wired Assurance assist with troubleshooting during deployment?

A. By automatically resolving all network issues
B. By offering remote access to network devices
C. By performing regular network audits
D. By providing real-time alerts and notifications

Answer: D

Explanation:
Wired Assurance assists with troubleshooting during deployment by providing real-time alerts and notifications.

Question: 159

What is the benefit of using Zero Touch Provisioning (ZTP) in Wired Assurance deployment?

A. Increased network bandwidth
B. Reduced manual configuration tasks
C. Enhanced device performance
D. Improved network security

Answer: B

Explanation:
Zero Touch Provisioning (ZTP) in Wired Assurance deployment leads to reduced manual configuration tasks.

Question: 160

What is the purpose of Wired Assurance Provisioning or Deployment?

A. To monitor network traffic in real-time
B. To automate the initial configuration of network devices
C. To provide technical support to end-users
D. To design the physical layout of a wired network

Answer: B

Explanation:
Wired Assurance Provisioning or Deployment focuses on automating the initial setup and configuration of network devices.

Question: 161

What is the purpose of EVPN (Ethernet Virtual Private Network) in a Campus EVPN-VXLAN network?

A. Simplifying network provisioning and management
B. Extending Layer 2 connectivity between different sites
C. Providing Layer 3 routing within a single data center
D. Implementing secure VPN connections for remote users

Answer: A

Explanation:
EVPN in a Campus EVPN-VXLAN network simplifies network provisioning and management by providing a scalable and efficient solution for connecting multiple sites.

Question: 162

In Wired Assurance, what is the role of a configuration group?

A. To monitor network traffic
B. To apply a set of common configurations to multiple devices
C. To assign devices to specific VLANs
D. To troubleshoot connectivity issues

Answer: B

Explanation:
A configuration group in Wired Assurance is used to apply a set of common configurations to multiple devices.

Question: 163

Which tool can be used for network monitoring and troubleshooting in Wired Assurance Management?

A. Ping
B. Cat video streaming
C. Calculator
D. Email client

Answer: A

Explanation:

Ping is a commonly used tool for network monitoring and troubleshooting.

Question: 164

What is the benefit of using VXLAN encapsulation in a Campus EVPN-VXLAN network?

A. Seamless migration of virtual machines between hosts
B. Reduced network latency
C. Increased network security
D. Scalability for a large number of devices in the network

Answer: D

Explanation:

Using VXLAN encapsulation in a Campus EVPN-VXLAN network provides scalability to support a large number of devices in the network.

Question: 165

Which routing protocol is typically used in a campus fabric architecture for intra-fabric communication?

A. BGP
B. RIP
C. EIGRP
D. OSPF

Answer: D

Explanation:

OSPF (Open Shortest Path First) is commonly used in a campus fabric architecture for intra-fabric communication.

Question: 166

Which feature in Wired Assurance allows for centralized monitoring and management of wired network devices?

A. Performance analytics
B. Configuration templates
C. Single pane of glass management
D. Device inventory

Answer: C

Explanation:

The single pane of glass management feature in Wired Assurance allows for centralized monitoring and management of wired network devices.

Question: 167

Which of the following is a key feature of Wired Assurance?

A. Predictive analytics
B. Layer 3 routing
C. OpenFlow support
D. SNMP monitoring

Answer: A

Explanation:
One of the key features of Wired Assurance is its use of predictive analytics for network troubleshooting and performance optimization.

Question: 168

Which feature of EVPN enables a seamless and automated recovery from network failures in a Campus Fabric Architecture?

A. Virtual Router Redundancy Protocol (VRRP)
B. Multichassis Link Aggregation (MLAG)
C. Rapid Spanning Tree Protocol (RSTP)
D. Ethernet Segment Identifier (ESI)

Answer: D

Explanation:
Ethernet Segment Identifier (ESI) in EVPN allows for seamless and automated recovery from network failures in a Campus Fabric Architecture.

Question: 169

In a campus fabric architecture, what is the purpose of using overlay networks?

A. To enable multi-tenancy and network segmentation
B. To establish secure communication channels between switches
C. To optimize network traffic flow
D. To provide power redundancy for network devices

Answer: A

Explanation:
Overlay networks are used in a campus fabric architecture to enable multi-tenancy and network segmentation for different virtual networks.

Question: 170

Which technology is used in Wired Assurance for automated device onboarding and provisioning?

A. REST API
B. SNMP
C. SSH
D. DHCP

Answer: A

Explanation:
REST API is used in Wired Assurance for automated device onboarding and provisioning.

Question: 171

What is the main goal of Campus Fabric Architecture?

A. To simplify network management by centralizing control and policy enforcement
B. To reduce network downtime by implementing redundant hardware
C. To improve network performance by optimizing routing protocols
D. To increase network security by segmenting traffic into virtual networks

Answer: A

Explanation:
The main goal of Campus Fabric Architecture is to simplify network management by centralizing control and policy enforcement.

Question: 172

What distinguishes Wired Assurance from traditional network management techniques?

A. It focuses solely on wired networks, excluding wireless components
B. It relies on manual configuration of network devices
C. It uses proprietary hardware for network operations
D. It uses cloud-based automation and machine learning

Answer: D

Explanation:
Wired Assurance stands out from traditional methods by leveraging cloud-based automation and machine learning for network management.

Question: 173

What is the purpose of a VXLAN tunnel endpoint (VTEP) in a campus fabric architecture?

A. To provide Layer 2 connectivity between virtual machines
B. To establish secure communication channels between switches
C. To route traffic between VXLAN segments
D. To encapsulate Ethernet frames for transport over a VXLAN network

Answer: D

Explanation:
A VXLAN tunnel endpoint (VTEP) in a campus fabric architecture is responsible for encapsulating Ethernet frames for transport over a VXLAN network.

Question: 174

Which of the following is NOT a benefit of Wired Assurance Management?

A. Automated network troubleshooting
B. Decreased network downtime
C. Increased network complexity
D. Proactive network monitoring

Answer: C

Explanation:

Increased network complexity is not a benefit of Wired Assurance Management.

Question: 175

What is the main focus of Wired Assurance Management in terms of network operations?

A. Ensuring network complexity
B. Maximizing network downtime
C. Increasing network security
D. Improving network efficiency

Answer: D

Explanation:

The main focus of Wired Assurance Management in network operations is improving network efficiency.

Question: 176

What is a key benefit of using Wired Assurance for provisioning and deployment in a network?

A. Customizable reporting and performance metrics
B. Zero-touch provisioning and streamlined deployment process
C. Automated troubleshooting and issue resolution
D. Real-time visibility and analytics

Answer: B

Explanation:

Zero-touch provisioning and streamlined deployment process is a key benefit of using Wired Assurance for provisioning and deployment in a network.

Question: 177

In a Campus EVPN-VXLAN architecture, what is the purpose of the VXLAN Network Identifier (VNI)?

A. To segment traffic within the VXLAN overlay network
B. To identify the VLAN associated with each host
C. To establish VPN connections between sites
D. To manage wireless clients in the network

Answer: A

Explanation:

The VXLAN Network Identifier (VNI) is used in a Campus EVPN-VXLAN architecture to segment traffic within the VXLAN overlay network.

Question: 178

In a Campus EVPN-VXLAN deployment, what is the function of the Virtual Tunnel Endpoints (VTEPs)?

A. To encapsulate and decapsulate VXLAN packets
B. To establish secure connections between data centers
C. To prioritize network traffic based on QoS settings

D. To manage Wireless Access Points

Answer: A

Explanation:

Virtual Tunnel Endpoints (VTEPs) in a Campus EVPN-VXLAN deployment are responsible for encapsulating and decapsulating VXLAN packets.

Question: 179

How does Mist AI support Campus Fabric Architecture in wired network environments?

A. By providing location-based services for end-users
B. By encrypting network traffic to prevent data breaches
C. By optimizing wireless network performance
D. By simplifying network configuration and policy management

Answer: D

Explanation:

Mist AI supports Campus Fabric Architecture by simplifying network configuration and policy management, improving overall network efficiency.

Question: 180

How does Wired Assurance help streamline the deployment of wired network devices?

A. By automating device provisioning and configuration
B. By enforcing security policies on devices
C. By providing real-time monitoring of network traffic
D. By generating detailed reports on network performance

Answer: A

Explanation:

Wired Assurance helps streamline the deployment of wired network devices by automating device provisioning and configuration.

Question: 181

Which technology allows for the extension of Layer 2 networks over a Layer 3 infrastructure in a campus fabric architecture?

A. MPLS
B. STP
C. EVPN
D. VRRP

Answer: C

Explanation:

EVPN (Ethernet Virtual Private Network) allows for the extension of Layer 2 networks over a Layer 3 infrastructure in a campus fabric architecture.

Question: 182

What is an advantage of using EVPN-VXLAN in a campus network compared to traditional VLAN-based architectures?

A. Increased network bandwidth
C. Enhanced Quality of Service (QoS)
D. Improved network security
E. Reduced network complexity

Answer: D

Explanation:
Using EVPN-VXLAN in a campus network provides advantages such as reduced network complexity compared to traditional VLAN-based architectures.

Question: 183

Which Mist AI submodule focuses on the fundamentals of wired network assurance?

A. Campus Fabric Architecture
B. Wired Assurance Management
C. Wired Assurance Fundamentals
D. Campus EVPN-VXLAN

Answer: C

Explanation:
Wired Assurance Fundamentals submodule focuses on the basics of wired network assurance within the Mist AI ecosystem.

Question: 184

What is the primary goal of Wired Assurance in network operations?

A. Ensuring network visibility
B. Ensuring high availability
C. Ensuring network performance
D. Ensuring network security

Answer: C

Explanation:
The primary goal of Wired Assurance is to ensure network performance.

Question: 185

What is the primary benefit of using a leaf-spine architecture in a campus fabric design?

A. Improved security
B. Enhanced network monitoring
C. Reduced network complexity
D. Better Quality of Service (QoS)

Answer: C

Explanation:
A leaf-spine architecture in a campus fabric design helps reduce network complexity by providing a scalable and efficient structure.

Question: 186

When provisioning a new switch in Wired Assurance, which step is typically performed first?

A. Configuring VLANs
B. Assigning IP addresses
C. Installing the necessary software
D. Connecting the switch to the network

Answer: D

Explanation:
Connecting the switch to the network is typically the first step in provisioning a new switch in Wired Assurance.

Question: 187

How does EVPN improve MAC learning efficiency in a Campus EVPN-VXLAN deployment?

A. By disabling MAC learning for increased security
B. By flooding MAC addresses to all participating devices
C. By using BGP to distribute MAC addresses only to required devices
D. By relying on SNMP traps for MAC address updates

Answer: C

Explanation:
EVPN in a Campus EVPN-VXLAN deployment improves MAC learning efficiency by using BGP to distribute MAC addresses only to required devices.

Question: 188

In Wired Assurance Management, what is the purpose of policy-based automation?

A. To decrease network visibility
B. To increase manual configuration
C. To ensure consistent network policies
D. To ignore network security

Answer: C

Explanation:
Policy-based automation in Wired Assurance Management helps ensure consistent network policies.

Question: 189

In a Campus EVPN-VXLAN deployment, what is the purpose of the DNCP protocol?

A. To establish secure VPN connections between sites
B. To advertise MAC and IP addresses within the network
C. To dynamically allocate IP addresses to devices
D. To manage Wireless Access Points

Answer: B

Explanation:
The Data-Plane Control Protocol (DNCP) in a Campus EVPN-VXLAN deployment is used to advertise MAC and IP addresses within the network.

Question: 190

In the context of Mist AI, what is Campus EVPN-VXLAN used for?

A. Managing unmanaged switch ports within a campus network
B. Routing traffic between data centers
C. Virtualizing network infrastructure for better scalability
D. Network monitoring and troubleshooting

Answer: C

Explanation:
Campus EVPN-VXLAN is used for virtualizing network infrastructure to improve scalability and simplify network operations.

Question: 191

What does VXLAN stand for in the context of network virtualization?

A. Virtual Extensible Local Area Network
B. Virtual Express Local Area Network
C. Virtual Expansion Local Area Network
D. Virtual Exchange Local Area Network

Answer: A

Explanation:
VXLAN stands for Virtual Extensible Local Area Network and is designed to provide virtualized networks with the same network address space.

Question: 192

How does Wired Assurance Management or Operations submodule help IT teams in their daily tasks?

A. By automating the deployment of new network devices
B. By providing real-time alerts for network anomalies
C. By optimizing network performance using advanced routing algorithms
D. By offering training programs for network administrators

Answer: B

Explanation:
Wired Assurance Management or Operations provides real-time alerts for network anomalies, helping IT teams respond proactively to issues.

Question: 193

Which protocol is commonly used for the control plane in EVPN-VXLAN deployments?

A. BGP
B. RIP
C. OSPF
D. EIGRP

Answer: A

Explanation:

BGP (Border Gateway Protocol) is commonly used for the control plane in EVPN-VXLAN deployments to exchange MAC and IP routing information.

Question: 194

What role does a controller play in a campus fabric architecture?

A. It acts as a centralized management platform for network devices
B. It provides routing capabilities between VLANs
C. It monitors network traffic for security threats
D. It performs packet forwarding between switches in the fabric

Answer: A

Explanation:

A controller in a campus fabric architecture functions as a centralized management platform for network devices.

Question: 195

How does Wired Assurance Management help in network troubleshooting?

A. By increasing manual interventions
B. By automating the process
C. By decreasing network visibility
D. By ignoring network issues

Answer: B

Explanation:

Wired Assurance Management helps in network troubleshooting by automating the process.

Question: 196

What is the primary goal of Wired Assurance in a network deployment?

A. Ensuring IoT device management
B. Ensuring wireless connectivity
C. Ensuring secure VPN connections
D. Ensuring wired network connectivity

Answer: D

Explanation:

The primary goal of Wired Assurance is to ensure wired network connectivity in a network deployment.

Question: 197

What is the function of a Wireless LAN controller in wired assurance management?

A. Managing wireless access points
B. Monitoring network performance
C. Configuring wired network devices
D. Routing network traffic

Answer: A

Explanation:
Wireless LAN controller is used for managing wireless access points in wired assurance management.

Question: 198

Which of the following is a benefit of using automated provisioning in Mist AI Wired Assurance?

A. Increased network visibility
B. Enhanced network security
C. Improved network performance
D. Faster deployment of devices

Answer: D

Explanation:
Automated provisioning in Mist AI Wired Assurance results in faster deployment of devices.

Question: 199

What is the role of machine learning in Wired Assurance Management operations?

A. VLAN configuration
B. Identifying network devices
C. Configuring firewall rules
D. Predictive analytics for network optimization

Answer: D

Explanation:
Machine learning in Wired Assurance Management operations is used for predictive analytics for network optimization.

Question: 200

What is the primary benefit of using EVPN over traditional Layer 2 VPN technologies?

A. Faster network speeds
B. Simplified network management
C. Improved network security
D. Enhanced network performance

Answer: B

Explanation:
The primary benefit of using EVPN over traditional Layer 2 VPN technologies is simplified network management.

Question: 201

Which protocol can be used for communication between network devices and the Wired Assurance Management platform?

A. HTTP
B. SNMP
C. SSH
D. DNS

Answer: B

Explanation:
SNMP (Simple Network Management Protocol) can be used for communication between network devices and the Wired Assurance Management platform.

Question: 202

Which network component does Wired Assurance help optimize for performance?

A. Firewall configurations
B. Wireless routers
C. Proxy servers
D. Wired connections

Answer: D

Explanation:
Wired Assurance helps optimize the performance of wired network connections in a network deployment.

Question: 203

How does Mist AI Wired Assurance ensure consistency in device configurations during provisioning?

A. By manually configuring each device

B. By assigning random configurations
C. By skipping the configuration step
D. By using templates for configuration

Answer: D

Explanation:
Mist AI Wired Assurance ensures consistency by using templates for device configurations during provisioning.

Question: 204

What is a key benefit of implementing a campus fabric architecture?

A. Enhanced network scalability
B. Increased network performance
C. Improved network security
D. Simplified network management

Answer: D

Explanation:
Implementing a campus fabric architecture can lead to simplified network management by creating a single, unified network fabric.

Question: 205

What does the term "Wired Assurance" refer to in networking?

A. Managing network security policies
B. Monitoring and ensuring the reliability of wired network connections
C. Configuring wireless access points
D. Setting up VPN connections

Answer: B

Explanation:
Wired Assurance refers to the monitoring and ensuring the reliability of wired network connections in a network deployment.

Question: 206

What is the purpose of using virtual networks in Campus Fabric Architecture?

A. To improve network performance
B. To enable network segmentation based on user roles
C. To extend Layer 2 connectivity across multiple sites
D. To isolate traffic between different departments

Answer: B

Explanation:
Virtual networks in Campus Fabric Architecture enable network segmentation based on user roles, applications, or services, improving security and network management.

Question: 207

What is the primary purpose of Wired Assurance Provisioning or Deployment in Mist AI Wired Specialist certification?

A. Troubleshooting network issues
B. Automating network provisioning
C. Monitoring wireless networks
D. Configuring wired networks

Answer: B

Explanation:
Automating network provisioning is a key aspect of Wired Assurance Provisioning or Deployment in Mist AI Wired Specialist certification.

Question: 208

What is a common tool used for remote provisioning of Mist AI Wired Assurance devices?

A. Ping
B. Wireshark
C. Ansible
D. PuTTY

Answer: C

Explanation:
Ansible is a common tool used for remote provisioning of Mist AI Wired Assurance devices.

Question: 209

Which of the following is a key step in the deployment of Mist AI Wired Assurance?

A. Generating performance reports
B. Configuring VLANs
C. Connecting devices to the network
D. Running network diagnostics

Answer: C

Explanation:
Connecting devices to the network is a key step in the deployment of Mist AI Wired Assurance.

Question: 210

Which protocol is commonly used for message exchange between VTEPs in an EVPN-VXLAN environment?

A. RIP OSPF BGP EIGRP
B.
C. **Answer: C**
D. **Explanation:**

BGP (Border Gateway Protocol) is commonly used for message exchange between VTEPs in an EVPN- VXLAN environment.

Question: 211

Which design principle in Campus Fabric Architecture aims to provide equal bandwidth and redundancy to all network devices?

A. Equal Cost Multi-Path (ECMP) routing
B. Link aggregation
C. Layer 3 routing optimization
D. Spanning Tree Protocol convergence

Answer: A

Explanation:

Equal Cost Multi-Path (ECMP) routing is a design principle in Campus Fabric Architecture that aims to provide equal bandwidth and redundancy to all network devices by distributing traffic across multiple equal-cost paths.

Question: 212

What does EVPN stand for in the context of networking?

A. External Virtual Private Network
B. Enhanced Virtual Private Network
C. Ethernet Virtual Private Network
D. Efficient Virtual Private Network

Answer: C

Explanation:

EVPN stands for Ethernet Virtual Private Network.

Question: 213

During the deployment phase, what is the primary focus of Mist AI Wired Assurance?

A. Real-time monitoring of network traffic
B. Troubleshooting network issues
C. Generating performance reports
D. Provisioning and configuration of devices

Answer: D

Explanation:

The primary focus of Mist AI Wired Assurance during deployment is provisioning and configuration of devices.

Question: 214

What is the purpose of the VNI (VXLAN Network Identifier) in VXLAN?

A. Identifies the specific virtual network
B. Identifies the type of traffic (e.g., video, voice)
C. Determines the quality of service for a given packet
D. Facilitates inter-VXLAN communication

Answer: A

Explanation:
The VNI (VXLAN Network Identifier) identifies the specific virtual network in a VXLAN environment.

Question: 215

Which feature of Mist AI Wired Assurance simplifies the deployment process by providing centralized management of devices?

A. Manual configuration of devices
B. Local device management
C. Auto-discovery of devices
D. Individual device management

Answer: C

Explanation:
Auto-discovery of devices feature in Mist AI Wired Assurance simplifies deployment by providing centralized management.

Question: 216

What role does Wired Assurance play in ensuring network availability?

A. It monitors and troubleshoots wired network connections
B. It configures virtual networks
C. It monitors wireless signals
D. It manages IoT device configurations

Answer: A

Explanation:
Wired Assurance plays a role in monitoring and troubleshooting wired network connections to ensure network availability.

Question: 217

In EVPN-VXLAN architecture, what is the role of the VXLAN tunnel endpoint (VTEP)?

A. Maintain a mapping of MAC addresses to IP addresses
B. Enforce security policies
C. Route packets
D. Establish connections with external networks

Answer: A

Explanation:
The VXLAN tunnel endpoint (VTEP) maintains a mapping of MAC addresses to IP addresses to facilitate communication across virtual networks.

Question: 218

Which tool can be used for network performance monitoring in Wired Assurance Management?

A. Ansible

B. Putty
C. SolarWinds
D. Wireshark

Answer: C

Explanation:

SolarWinds is a tool that can be used for network performance monitoring in Wired Assurance Management.

Question: 219

What is the purpose of Wired Assurance in a network infrastructure?

A. Configuring VLANs
B. Ensuring wireless connectivity
C. Providing real-time visibility and control over wired devices
D. Managing cloud-based applications

Answer: C

Explanation:

Wired Assurance in a network infrastructure provides real-time visibility and control over wired devices.

Question: 220

What is the purpose of using Ethernet Virtual Private Network (EVPN) in Campus Fabric Architecture?

A. To provide virtualized network services
B. To improve routing efficiency
C. To enhance security
D. To simplify network management

Answer: A

Explanation:

Ethernet Virtual Private Network (EVPN) in Campus Fabric Architecture provides virtualized network services by enabling efficient and scalable interconnection of data centers and campus networks.

Question: 221

In Mist AI Wired Assurance, what is the purpose of device profiling during the provisioning process?

A. Assigning IP addresses to devices
B. Identifying device types and capabilities
C. Generating network reports
D. Monitoring network traffic

Answer: B

Explanation:

Device profiling in Mist AI Wired Assurance is used to identify device types and capabilities during provisioning.

Question: 222

What is the primary function of Wired Assurance Management or Operations in a network environment?

A. Configuring network switches
B. Monitoring wired network performance
C. Deploying access points
D. Managing wireless clients

Answer: B

Explanation:
Wired Assurance Management or Operations primarily involves monitoring wired network performance to ensure optimal operation.

Question: 223

Which networking concept does EVPN-VXLAN help address in large-scale data center environments?

A. Network latency
B. Network security
C. Network scalability
D. Network congestion

Answer: C

Explanation:
EVPN-VXLAN helps address network scalability in large-scale data center environments.

Question: 224

Which of the following is a best practice for efficient deployment of Mist AI Wired Assurance devices?

A. Skipping the provisioning step
B. Performing manual configurations for each device
C. Standardizing configurations using templates
D. Using default settings for all devices

Answer: C

Explanation:
Standardizing configurations using templates is a best practice for efficient deployment of Mist AI Wired Assurance devices.

Question: 225

How does EVPN-VXLAN contribute to network segmentation in a data center environment?

A. By optimizing network routing
B. By implementing firewall rules
C. By encrypting all network traffic
D. By enabling the creation of virtual networks

Answer: D

Explanation:

EVPN-VXLAN contributes to network segmentation by enabling the creation of virtual networks within a data center environment.

Question: 226

How can wired assurance operations help in network troubleshooting?

A. Configuring QoS settings
B. Updating firmware of network devices
C. Configuring VLANs
D. Providing real-time analytics

Answer: D

Explanation:
Wired assurance operations can help in network troubleshooting by providing real-time analytics.

Question: 227

In what type of network environment is EVPN-VXLAN commonly deployed?

A. Small office/home office (SOHO) networks
B. Internet of Things (IoT) networks
C. Enterprise data center networks
D. Wide Area Networks (WAN)

Answer: C

Explanation:
EVPN-VXLAN is commonly deployed in enterprise data center networks for network virtualization and scalability.

Question: 228

What is the primary goal of wired assurance management systems?

A. Configuring custom routing protocols
B. Monitoring web traffic
C. Ensuring high network availability
D. Managing network security policies

Answer: C

Explanation:
The primary goal of wired assurance management systems is to ensure high network availability.

Question: 229

What is the purpose of Wired Assurance Management in a network deployment?

A. Monitoring network traffic
B. Troubleshooting network issues
C. Managing network devices
D. Configuring device settings

Answer: C

Explanation:
Wired Assurance Management is used for managing network devices in a network deployment.

Question: 230

Which technology is commonly used in Campus Fabric Architecture to create a flat network topology?

A. MPLS (Multiprotocol Label Switching)
B. Virtual Router Redundancy Protocol
C. Spanning Tree Protocol
D. TRILL (Transparent Interconnection of Lots of Links)

Answer: D

Explanation:
TRILL (Transparent Interconnection of Lots of Links) is commonly used in Campus Fabric Architecture to create a flat network topology and eliminate the need for complex hierarchical network designs.

Question: 231

Which networking area does Wired Assurance mainly focus on?

A. Wide area network (WAN) optimization
B. Wireless LAN management
C. Wired network assurance
D. Internet of Things (IoT) device monitoring

Answer: C

Explanation:
Wired Assurance primarily focuses on maintaining wired network assurance and performance in a network deployment.

Question: 232

What is the purpose of using overlay networks in Campus Fabric Architecture?

A. To extend Layer 2 connectivity over Layer 3 networks
B. To centralize network management
C. To enhance network security
D. To improve network resilience

Answer: A

Explanation:
Overlay networks in Campus Fabric Architecture extend Layer 2 connectivity over Layer 3 networks, enabling seamless communication between geographically distributed network segments.

Question: 233

Which of the following is a benefit of implementing Wired Assurance in a network?

A. Increased wireless connectivity
B. Reduced network downtime due to wired connection issues
C. Improved VPN performance
D. Enhanced firewall configurations

Answer: B

Explanation:

Implementing Wired Assurance can help reduce network downtime by addressing wired connection issues efficiently.

Question: 234

What is the benefit of using a spine-leaf architecture in Campus Fabric Architecture?

A. Reduced latency
B. Enhanced QoS (Quality of Service)
C. Better security
D. Improved scalability

Answer: D

Explanation:

A spine-leaf architecture in Campus Fabric Architecture provides improved scalability by allowing for non-blocking, high-bandwidth connections between spine and leaf switches.

Question: 235

In Wired Assurance Fundamentals, what is the focus on?

A. Cloud computing technologies
B. Network security audits
C. Wired network connectivity and assurance
D. Wireless network performance

Answer: C

Explanation:

Wired Assurance Fundamentals focus on ensuring and maintaining wired network connectivity and assurance in a network deployment.

Question: 236

How does Wired Assurance Management improve network reliability?

A. By enabling multicast routing
B. By assigning IP addresses
C. By centralizing network management
D. By configuring VPN tunnels

Answer: C

Explanation:

Wired Assurance Management improves network reliability by centralizing network management.

Question: 237

What is the benefit of using AI-driven analytics in Wired Assurance Management operations?

A. Managing user authentication
B. Configuring VLANs
C. Predicting network failures
D. Automating network configuration

Answer: C

Explanation:
AI-driven analytics in Wired Assurance Management operations can help in predicting network failures.

Question: 238

Which protocol is commonly used for provisioning Mist AI Wired Assurance devices?

A. Telnet
B. SSH
C. REST API
D. SNMP

Answer: C

Explanation:
The REST API is commonly used for provisioning Mist AI Wired Assurance devices.

Question: 239

What is the advantage of using automated fabric provisioning in Campus Fabric Architecture?

A. Enhanced Quality of Service (QoS)
B. Faster network deployment
C. Reduced network latency
D. Improved network security

Answer: B

Explanation:
Automated fabric provisioning in Campus Fabric Architecture accelerates network deployment by automatically configuring network devices based on predefined policies and templates.

Question: 240

Which protocol is commonly used in Campus Fabric Architecture for end-to-end network segmentation and policy enforcement?

A. VXLAN (Virtual Extensible LAN)
B. VRF (Virtual Routing and Forwarding)
C. MPLS (Multiprotocol Label Switching)
D. VLAN (Virtual Local Area Network)

Answer: B

Explanation:

Virtual Routing and Forwarding (VRF) is commonly used in Campus Fabric Architecture for end-to-end network segmentation and policy enforcement by creating multiple instances of a routing table to isolate traffic.

Question: 241

What is the role of Wired Assurance in troubleshooting network issues?

A. It performs network penetration testing
B. It manages firewall configurations
C. It helps identify and resolve wired network connectivity issues
D. It helps identify wireless interference sources

Answer: C

Explanation:
Wired Assurance plays a role in identifying and resolving wired network connectivity issues during network troubleshooting.

Question: 242

What is the purpose of provisioning in Mist AI Wired Assurance?

A. To monitor network performance
B. To troubleshoot network issues
C. To generate reports
D. To configure devices in the network

Answer: D

Explanation:
Provisioning in Mist AI Wired Assurance is used to configure devices in the network.

Question: 243

What is the primary purpose of Campus Fabric Architecture in network design?

A. To improve scalability
B. To increase security
C. To reduce cost
D. To enhance performance

Answer: A

Explanation:
Campus Fabric Architecture is designed to improve scalability by simplifying network design and management.

Question: 244

How does EVPN handle MAC address learning in a network environment?

A. MAC addresses are exchanged via control plane signaling
B. Each VTEP learns all MAC addresses
C. Each VTEP maintains a local MAC address table

D. MAC addresses are broadcasted to all VTEPs

Answer: A

Explanation:

In an EVPN environment, MAC addresses are exchanged between VTEPs via control plane signaling.

Question: 245

Which protocol is typically used for interconnecting spine and leaf switches in a Campus Fabric Architecture?

A. BGP (Border Gateway Protocol)
B. OSPF (Open Shortest Path First)
C. EIGRP (Enhanced Interior Gateway Routing Protocol)
D. VXLAN (Virtual Extensible LAN)

Answer: D

Explanation:

VXLAN (Virtual Extensible LAN) is commonly used for interconnecting spine and leaf switches in Campus Fabric Architecture to overlay virtualized networks over existing Layer 3 infrastructure.

Question: 246

What is the role of DHCP in the provisioning process of Mist AI Wired Assurance?

A. Configuring VLANs
B. Updating firmware on devices
C. Assigning IP addresses to devices
D. Monitoring network traffic

Answer: C

Explanation:

DHCP plays a role in the provisioning process by assigning IP addresses to devices.

Question: 247

Which feature of Wired Assurance Management helps in ensuring network security?

A. Software-defined networking
B. Load balancing
C. Policy enforcement
D. Configuring DHCP servers

Answer: C

Explanation:

Policy enforcement is a feature of Wired Assurance Management that helps in ensuring network security.

Question: 248

How does Wired Assurance contribute to network reliability?

A. By managing wireless access points
B. By implementing VPN connections
C. By addressing and resolving wired network issues promptly

D. By optimizing DNS server configurations

Answer: C

Explanation:

Wired Assurance contributes to network reliability by identifying and resolving wired network issues promptly.

Question: 249

What does EVPN stand for in the context of networking technology?

A. Efficient Virtual Private Network
B. Ethernet Virtual Private Network
C. Enhanced Virtual Private Network
D. Extended Virtual Private Network

Answer: B

Explanation:

EVPN stands for Ethernet Virtual Private Network.

Question: 250

What role does intent-based networking play in Wired Assurance Management operations?

A. Configuring switch ports
B. Enforcing security policies
C. Monitoring network traffic
D. Automating network configurations

Answer: D

Explanation:

Intent-based networking in Wired Assurance Management operations can help in automating network configurations.

Question: 251

What is VXLAN used for in networking?

A. Load balancing
B. Quality of Service (QoS)
C. Network virtualization
D. Intrusion detection

Answer: C

Explanation:

VXLAN is used for network virtualization, allowing for the creation of virtual networks over an existing network infrastructure.

Question: 252

How does Wired Assurance support network troubleshooting processes?

A. By configuring wireless bridge connections
B. By identifying and resolving wired network issues efficiently
C. By implementing DDoS protection measures
D. By managing network storage

Answer: B

Explanation:
Wired Assurance supports network troubleshooting by helping identify and resolve wired network issues efficiently.

Question: 253

Which feature of Campus Fabric Architecture helps in reducing the complexity of managing network policies across multiple switches?

A. Centralized management
B. Distributed control plane
C. MPLS tunneling
D. Dynamic VLAN assignment

Answer: A

Explanation:
Centralized management in Campus Fabric Architecture simplifies network policy management by providing a single point of control for configuring and monitoring network devices.

Question: 254

Which protocol is typically used for signaling and control plane communication in EVPN-VXLAN deployments?

A. OSPF
B. VLAN
C. EIGRP
D. BGP

Answer: D

Explanation:
BGP is typically used for signaling and control plane communication in EVPN-VXLAN deployments.

Question: 255

What is the primary function of Wired Assurance in a network deployment?

A. To manage network backup systems
B. To maintain wired network connectivity and performance
C. To ensure the security of wireless connections
D. To optimize cloud storage solutions

Answer: B

Explanation:
The primary function of Wired Assurance in a network deployment is to maintain wired network connectivity and performance.

Question: 256

What role does Zero Touch Provisioning play in the deployment phase of Mist AI Wired Assurance?

A. Performing manual configurations
B. Troubleshooting network issues
C. Generating performance reports
D. Automatically configuring devices

Answer: D

Explanation:
Zero Touch Provisioning automatically configures devices in the deployment phase of Mist AI Wired Assurance.

Question: 257

Which component of a network does Wired Assurance focus on?

A. DNS servers
B. VLANs
C. Wireless access points
D. Wired connections

Answer: D

Explanation:
Wired Assurance focuses on ensuring the stability and performance of wired network connections.

Question: 258

In a Campus Fabric Architecture design, what is the role of the border leaf switches?

A. To route traffic between VLANs
B. To provide access to end-user devices
C. To connect to external networks
D. To aggregate traffic from access switches

Answer: C

Explanation:
The border leaf switches in Campus Fabric Architecture connect the network to external networks, such as the Internet or other data centers.

Question: 259

What technology is used to create overlay networks in a campus network in order to support network virtualization and multi-tenancy?

A. EVPN-VXLAN
B. MPLS
C. GRE
D. OSPF

Answer: A

Explanation:
EVPN-VXLAN is used to create overlay networks in a campus network to support network virtualization and multi-tenancy.

Question: 260

Which tool can be used for centralized wired assurance management in a network?

A. Juniper Contrail
B. Juniper Prometheus
C. Virtual Chassis Fabric
D. Junos Space
Answer: D
Explanation:
Junos Space can be used for centralized wired assurance management in a network.

Question: 261

Which feature in Mist AI allows administrators to configure wired network profiles and templates for automated provisioning?

A. Device inventory
B. Workflow
C. Templates
D. Assurance settings
Answer: C
Explanation:
Templates in Mist AI allow administrators to configure wired network profiles and templates for automated provisioning.

Question: 262

Which protocol does Juniper Mist AI use for communication between the Access Points (APs) and the

Mist AI cloud?

A. DHCP
B. UDP
C. WebSocket
D. TCP
Answer: C
Explanation:
Juniper Mist AI uses WebSocket protocol for communication between the Access Points (APs) and the Mist AI cloud.

Question: 263

What is the purpose of an underlay network in Campus Fabric architecture?

A. To manage network configuration and policies
B. To support the overlay network for virtualization
C. To establish the physical connectivity between devices
D. To provide network connectivity for end devices

Answer: C

Explanation:
The underlay network in Campus Fabric architecture is responsible for establishing the physical connectivity between devices, providing the foundation for the overlay network to operate efficiently.

Question: 264

What is the purpose of Wired Assurance provisioning and deployment in Juniper Mist AI?

A. To encrypt data transmission
B. To monitor network performance
C. To analyze traffic patterns
D. To automate device configuration

Answer: D

Explanation:
Wired Assurance provisioning and deployment in Juniper Mist AI is used to automate device configuration, making it easier to deploy and manage network infrastructure.

Question: 265

What is the purpose of EVPN in a Campus Fabric Architecture?

A. To provide a routing protocol for multi-tenancy
B. To provide a control plane for VXLAN overlay networks
C. To provide a mechanism for VLAN replacements
D. To provide network virtualization capabilities

Answer: B

Explanation:
EVPN (Ethernet Virtual Private Network) in a Campus Fabric Architecture provides a control plane for VXLAN (Virtual Extensible LAN) overlay networks.

Question: 266

What role does machine learning play in Wired Assurance Provisioning or Deployment in Juniper Mist AI?

A. Securing network connections
B. Automating network management tasks
C. Classifying network traffic
D. Managing network resources

Answer: B

Explanation:
Machine learning in Wired Assurance Provisioning or Deployment in Juniper Mist AI plays a role in automating network management tasks for efficient provisioning and deployment.

Question: 267

What is a key advantage of using network virtualization technologies in Campus Fabric architecture?

A. Simplified network configuration and management
B. Enhanced network performance through Quality of Service (QoS)
C. Improved network security through encryption
D. Greater network speed and bandwidth

Answer: A

Explanation:
Using network virtualization technologies in Campus Fabric architecture helps to simplify network configuration and management by logically segmenting network resources for easier control.

Question: 268

What role does ESI (Ethernet Segment Identifier) play in EVPN-VXLAN deployments?

A. ESI is used for automatic failover in case of link or switch failures
B. ESI is used to allocate unique MAC addresses to endpoints
C. ESI is used to identify redundant paths for load balancing
D. ESI is used to identify individual switches within a VXLAN tunnel

Answer: C

Explanation:
In EVPN-VXLAN deployments, ESI is used to identify redundant paths for load balancing.

Question: 269

When implementing Wired Assurance Fundamentals, what is the primary objective of Mist AI Wired Assurance?

A. Bandwidth Allocation

B. Client Experience Optimization
C. Network Automation
D. Advanced Threat Detection

Answer: B

Explanation:
Mist AI Wired Assurance focuses on optimizing the client experience by leveraging AI-driven insights and automation.

Question: 270

What is the primary goal of Wired Assurance Provisioning or Deployment in Juniper Mist AI?

A. To simplify device configuration and deployment
B. To increase network complexity
C. To require manual intervention for configuring devices
D. To decrease network reliability

Answer: A

Explanation:
The primary goal of Wired Assurance Provisioning or Deployment in Juniper Mist AI is to simplify device configuration and deployment for efficient network management.

Question: 271

Which tool can be used in Juniper Mist AI for quick and efficient provisioning of wired devices?

A. Puppet
B. Mist Cloud IT
C. Marvis Virtual Network Assistant
D. Ansible

Answer: B

Explanation:
Mist Cloud IT is a tool in Juniper Mist AI that can be used for quick and efficient provisioning of wired devices.

Question: 272

In Juniper Mist AI, what is the benefit of using AI-driven automation for wired device provisioning?

A. Increased operational complexity
B. Improved network reliability
C. Delayed device deployment
D. Decreased network visibility

Answer: B

Explanation:
The benefit of using AI-driven automation for wired device provisioning in Juniper Mist AI is improved network reliability due to intelligent decision-making.

Question: 273

How does EVPN-VXLAN address the limitations of traditional VLAN-based networks?

A. By providing a more flexible and scalable virtualization solution
B. By reducing the complexity of Layer 3 routing
C. By simplifying the configuration of Layer 2 networks
D. By increasing the number of available VLAN IDs

Answer: A

Explanation:
EVPN-VXLAN addresses the limitations of traditional VLAN-based networks by providing a more flexible and scalable virtualization solution.

Question: 274

How does Mist AI contribute to improving wired network performance and user experience?

A. By automatically adjusting wired device configurations based on usage patterns
B. By providing real-time visibility into wired device connectivity
C. By optimizing network traffic routes for wired devices
D. By predicting potential network issues before they occur

Answer: C

Explanation:
Mist AI contributes to improving wired network performance and user experience by optimizing network traffic routes for wired devices.

Question: 275

How does EVPN-VXLAN provide better scale and flexibility compared to traditional VLAN-based networks?

A. By increasing the complexity of network configuration
B. By reducing the number of available VLAN IDs
C. By enabling Layer 2 extensions across Layer 3 boundaries
D. By limiting the number of devices that can participate in a virtual network

Answer: C

Explanation:
EVPN-VXLAN provides better scale and flexibility compared to traditional VLAN-based networks by enabling Layer 2 extensions across Layer 3 boundaries.

Question: 276

What is a key benefit of using a centralized controller in a Campus Fabric architecture?

A. Improved network redundancy
B. Greater network speed
C. Simplified network management
D. Enhanced network security

Answer: C

Explanation:
A centralized controller in Campus Fabric architecture helps to simplify network management by providing a single point of control for all network devices.

Question: 277

Which aspect of network management does Wired Assurance focus on?

A. Application layer
B. Physical layer
C. Network layer
D. Data link layer

Answer: C

Explanation:
Wired Assurance focuses on network layer management.

Question: 278

Which technology is commonly used in Campus Fabric architecture to enhance network scalability by connecting multiple switches to act as a single logical device?

A. Virtual Extensible LAN (VXLAN)
B. Virtual Private LAN Service (VPLS)
C. Virtual Port Channel (vPC)
D. Virtual Router Redundancy Protocol (VRRP)

Answer: C

Explanation:
Virtual Port Channel (vPC) technology is commonly used in Campus Fabric architecture to enhance network scalability by connecting multiple switches to act as a single logical device, providing increased bandwidth and resiliency.

Question: 279

What is the purpose of Wired Assurance Management or Operations in a network infrastructure?

A. to secure network devices
B. to monitor and optimize network performance
C. to configure wireless access points
D. to troubleshoot and manage wired network connections

Answer: B

Explanation:
Wired Assurance Management or Operations focuses on monitoring and optimizing network performance.

Question: 280

What is the purpose of the wired device 360 view in Mist AI?

A. To monitor real-time network performance metrics
B. To provide a detailed overview of network-wide traffic patterns
C. To configure advanced security settings for wired devices
D. To display a comprehensive view of wired device health and status

Answer: D

Explanation:
The wired device 360 view in Mist AI displays a comprehensive view of wired device health and status.

Question: 281

How does Campus Fabric architecture support the efficient deployment of network services and applications?

A. By implementing network address translation for enhanced security
B. By using advanced routing protocols for optimized traffic flow
C. By leveraging software-defined networking (SDN) for centralized control

D. By deploying redundant network connections for high availability

Answer: C

Explanation:

Campus Fabric architecture supports the efficient deployment of network services and applications by leveraging software-defined networking (SDN) for centralized control, making it easier to provision and manage network resources.

Question: 282

What is the purpose of the wired event timeline in Mist AI?

A. To display a history of all past network events in chronological order
B. To forecast potential wired network issues based on historical data
C. To provide real-time monitoring of network performance
D. To track the deployment of new wired devices

Answer: A

Explanation:

The wired event timeline in Mist AI displays a history of all past network events in chronological order.

Question: 283

What is one benefit of implementing a Campus Fabric Architecture in a network?

A. Security
B. Increase in complexity
C. Scalability
D. Decrease in performance

Answer: C

Explanation:

One benefit of implementing Campus Fabric Architecture is scalability in the network.

Question: 284

What is the purpose of a spine switch in a leaf-and-spine topology within a Campus Fabric architecture?

A. To connect end devices to the network
B. To provide high-bandwidth connections between leaf switches
C. To control network access through access control lists
D. To aggregate traffic from leaf switches

Answer: D

Explanation:

A spine switch in a leaf-and-spine topology within Campus Fabric architecture is used to aggregate traffic from multiple leaf switches and provide high-bandwidth connections between them.

Question: 285

How does Wired Assurance help with network troubleshooting?

A. Only works for wireless networks
B. Automatically fixes network issues

C. Does not provide any troubleshooting capabilities
D. Provides historical data of network performance

Answer: D

Explanation:
Wired Assurance helps with network troubleshooting by providing historical data of network performance.

Question: 286

Which Mist AI feature is closely related to Wired Assurance?

A. Cloud Computing
B. Wireless Assurance
C. Wired Security
D. Network Virtualization

Answer: B

Explanation:
Wireless Assurance is closely related to Wired Assurance in Mist AI.

Question: 287

Which routing protocol is commonly used in EVPN-VXLAN deployments for exchanging MAC address information?

A. OSPF
B. EIGRP
C. RIP
D. BGP

Answer: D

Explanation:
In EVPN-VXLAN deployments, BGP is commonly used as the routing protocol for exchanging MAC address information.

Question: 288

Which component of Mist AI allows administrators to view detailed wired network analytics and statistics?

A. Event timeline
B. Templates
C. Device 360
D. Insight

Answer: D

Explanation:
The Insight component in Mist AI allows administrators to view detailed wired network analytics and statistics.

Question: 289

What type of analytics does Wired Assurance provide?

A. All of the above
B. Historical analytics
C. Real-time analytics
D. Predictive analytics

Answer: A

Explanation:

Wired Assurance provides historical, predictive, and real-time analytics for network performance.

Question: 290

What is the main purpose of Wired Assurance Provisioning in Mist AI Wired Specialist?

A. Automated device provisioning
B. Troubleshooting
C. Network monitoring
D. Configuration backup

Answer: A

Explanation:

Wired Assurance Provisioning focuses on the automated provisioning of devices in the network to ensure seamless deployment and configuration.

Question: 291

Which technology is commonly used in Campus Fabric architecture to improve network efficiency by

reducing broadcast traffic?

A. VRF
B. VLAN
C. VPLS
D. MPLS

Answer: B

Explanation:

VLANs (Virtual Local Area Networks) are commonly used in Campus Fabric architecture to reduce broadcast traffic and improve network efficiency by logically segmenting network devices.

Question: 292

Which Juniper Mist AI feature enables self-healing capabilities in the network by automatically resolving issues related to wired device provisioning?

A. Dynamic Packet Capture
B. Zero-Touch Provisioning
C. Mist Cloud IT
D. Virtual Network Assistant

Answer: D

Explanation:

Virtual Network Assistant is a feature in Juniper Mist AI that enables self-healing capabilities by automatically resolving issues related to wired device provisioning.

Question: 293

Which Juniper Mist AI feature provides insights and visibility into wired devices during the provisioning and deployment process?

A. Wired Assurance Dashboard
B. Mist Edge
C. Marvis Virtual Network Assistant
D. Mist Cloud IT

Answer: A

Explanation:
The Wired Assurance Dashboard in Juniper Mist AI provides insights and visibility into wired devices during the provisioning and deployment process.

Question: 294

In Mist AI, which dashboard provides a summary of the wired network health and alerts?

A. Events
B. Assurance
C. Device 360
D. Insight

Answer: C

Explanation:
The Device 360 dashboard in Mist AI provides a summary of the wired network health and alerts.

Question: 295

What is the primary purpose of Wired Assurance?

A. Network visibility and troubleshooting
B. Network security
C. Network programming
D. Network optimization

Answer: A

Explanation:
The primary purpose of Wired Assurance is to provide network visibility and troubleshooting capabilities.

Question: 296

Which of the following is a feature of Wired Assurance in Juniper Mist AI that helps in simplifying provisioning and deployment?

A. Zero-Touch Provisioning
B. Machine Learning Algorithms
C. Predictive Analytics
D. Virtualization

Answer: A

Explanation:
Zero-Touch Provisioning is a feature of Wired Assurance in Juniper Mist AI that simplifies provisioning and deployment by automatically configuring devices without manual intervention.

Question: 297

How does Mist AI assist in ensuring network compliance with wired network policies and standards?

A. By automatically updating firmware on wired devices
B. By enforcing wired network security protocols
C. By generating alerts for non-compliance with wired network policies
D. By providing daily reports on wired network utilization

Answer: C

Explanation:
Mist AI assists in ensuring network compliance with wired network policies and standards by generating alerts for non-compliance.

Question: 298

Which component of Juniper Mist AI is responsible for managing the provisioning and deployment of wired devices in the network?

A. Mist AI Cloud
B. Mist Edge
C. Mist Cloud IT
D. Marvis Virtual Network Assistant

Answer: C

Explanation:
Mist Cloud IT is the component of Juniper Mist AI responsible for managing the provisioning and deployment of wired devices in the network.

Question: 299

What is the purpose of VXLAN tunnels in a Campus Fabric Architecture utilizing EVPN?

A. To enable virtual machine mobility across the data center
B. To facilitate communication between devices in different subnets
C. To extend Layer 2 connectivity across Layer 3 boundaries
D. To provide secure communication between different VLANs

Answer: C

Explanation:
VXLAN tunnels in a Campus Fabric Architecture using EVPN are used to extend Layer 2 connectivity across Layer 3 boundaries.

Question: 300

Which Mist AI module is primarily responsible for Campus Fabric Architecture?

A. Wired Assurance Provisioning
B. Campus EVPN-VXLAN
C. Not specified in the options
D. Wired Assurance Fundamentals

Answer: B

Explanation:
Campus EVPN-VXLAN is primarily responsible for Campus Fabric Architecture in Mist AI.

Question: 301

In the context of EVPN-VXLAN, how does BGP route type 5 differ from route type 2?

A. Route type 5 carries IP prefixes while route type 2 carries MAC addresses
B. Route type 5 is used for host routes while route type 2 is used for subnet routes
C. Route type 5 is used internally within a subnet while route type 2 is used for inter-subnet communication
D. Route type 5 carries MAC addresses while route type 2 carries IP addresses

Answer: D

Explanation:
In EVPN-VXLAN, BGP route type 5 carries MAC addresses while route type 2 carries IP addresses.

Question: 302

What is the purpose of using VXLAN encapsulation in an EVPN-VXLAN network?

A. To extend Layer 2 connectivity across Layer 3 networks
B. To provide a more efficient way to route traffic between subnets
C. To enable communication between devices in the same VLAN
D. To improve the security of Layer 3 traffic

Answer: A

Explanation:
VXLAN encapsulation in an EVPN-VXLAN network is used to extend Layer 2 connectivity across Layer 3 networks.

Question: 303

Which feature in Mist AI enables administrators to create customized alerts and notifications for specific wired network events?

A. Templates
B. Assurance settings
C. Event timeline
D. Insight

Answer: B

Explanation:
Assurance settings in Mist AI allow administrators to create customized alerts and notifications for specific wired network events.

Question: 304

What is the key advantage of using Wired Assurance in network management?

A. Limited troubleshooting options
B. Increased security
C. Improved performance
D. Reduced visibility

Answer: C

Explanation:
The key advantage of using Wired Assurance is the improved performance of the network.

Question: 305

Which technology is NOT part of Wired Assurance Fundamentals?

A. Analytics
B. Machine Learning
C. Virtual Reality
D. Artificial Intelligence

Answer: C

Explanation:
Virtual Reality is not part of Wired Assurance Fundamentals.

Question: 306

What is the main purpose of Campus Fabric in a network architecture?

A. To provide high-speed connectivity between devices
B. To improve network scalability and flexibility
C. To enhance network security
D. To allow for centralized management of network resources

Answer: B

Explanation:
Campus Fabric architecture aims to improve network scalability and flexibility by allowing for easier management and expansion of network resources.

Question: 307

How does Campus Fabric architecture help to improve network resiliency and reliability?

A. By providing redundant connections between network devices
B. By using network address translation for enhanced security
C. By optimizing Quality of Service (QoS) for voice and video traffic
D. By implementing dynamic VLAN assignment

Answer: A

Explanation:
Campus Fabric architecture improves network resiliency and reliability by providing redundant

connections between network devices, reducing the impact of single points of failure.

Question: 308

What is the role of Wired Assurance Provisioning in Mist AI Wired Specialist?

A. Troubleshooting network issues
B. Monitoring network performance
C. Management of network policies
D. Deployment of new devices on the network

Answer: D

Explanation:
Wired Assurance Provisioning focuses on the deployment of new devices on the network.

Question: 309

In Juniper Mist AI, how does Wired Assurance Provisioning or Deployment contribute to improving network security?

A. By encrypting all network traffic
B. By automatically configuring devices securely
C. By slowing down the deployment process
D. By exposing network vulnerabilities

Answer: B

Explanation:
Wired Assurance Provisioning or Deployment in Juniper Mist AI contributes to improving network security by automatically configuring devices securely.

Question: 310

What technology is commonly used to provide network virtualization in a campus network environment?

A. VLANs
B. EVPN-VXLAN
C. MPLS
D. OSPF

Answer: B

Explanation:
EVPN-VXLAN (Ethernet Virtual Private Network - Virtual Extensible LAN) is a technology commonly used for network virtualization in a campus network environment.

Question: 311

What is the purpose of setting up a wired subnet in Mist AI?

A. To provide network security for wired devices
B. To configure IP addressing schemes for wired devices
C. To monitor wired device performance and usage
D. To group wired devices based on geographical location

Answer: B

Explanation:

Setting up a wired subnet in Mist AI allows for configuring IP addressing schemes for wired devices.

Question: 312

How does Mist AI help in troubleshooting wired network issues?

A. By running diagnostic tests on individual wired devices
B. By sending automated alerts for potential wired network issues
C. By identifying the root cause of wired network problems in real-time
D. By providing recommendations for improving wired network performance

Answer: C

Explanation:

Mist AI helps in troubleshooting wired network issues by identifying the root cause of problems in real-time.

Question: 313

What advantage does EVPN-VXLAN offer for workload mobility in a Campus Fabric Architecture?

A. Workloads can be easily isolated from other devices in the network
B. Workloads can be placed in different subnets for security reasons
C. Workloads can be optimized for efficient routing within the same subnet
D. Workloads can be moved between VLANs without changing IP addresses

Answer: D

Explanation:

EVPN-VXLAN in a Campus Fabric Architecture allows workloads to be moved between VLANs without changing IP addresses, enhancing workload mobility.

Question: 314

In Mist AI Wired Specialist, what is the importance of Wired Assurance Operations?

A. Provisioning devices
B. Managing network policies
C. Troubleshooting network issues
D. Monitoring network performance

Answer: D

Explanation:

Wired Assurance Operations in Mist AI Wired Specialist is important for monitoring network performance.

Question: 315

Which component of Mist AI enables administrators to automate configuration changes across the wired network?

A. Workflow
B. Templates

C. Device 360
D. Event timeline

Answer: A

Explanation:
The Workflow component in Mist AI enables administrators to automate configuration changes across the wired network.

Question: 316

Which of the following is a key feature of Campus Fabric architecture that helps to improve network scalability?

A. Active-active link aggregation
B. Network virtualization technologies
C. Dynamic routing protocols
D. Built-in firewall capabilities

Answer: B

Explanation:
Network virtualization technologies are a key feature of Campus Fabric architecture that helps improve network scalability by allowing for the logical segmentation of network resources.

Question: 317

In EVPN-VXLAN networks, what is the purpose of the VTEP (VXLAN Tunnel Endpoint) device?

A. To provide Layer 3 routing between VXLAN overlay networks
B. To act as a control plane for distributing MAC address information
C. To encrypt and decrypt VXLAN traffic for secure transmission
D. To encapsulate traffic into VXLAN packets and forward them between VLANs

Answer: D

Explanation:
The VTEP device in EVPN-VXLAN networks is responsible for encapsulating traffic into VXLAN packets and forwarding them between VLANs.

Question: 318

How does Juniper Mist AI simplify the process of configuring wired devices during deployment?

A. By skipping device configuration altogether
B. By requiring manual configuration for each device
C. By allowing only expert users to configure devices
D. By providing pre-defined templates for device configuration

Answer: D

Explanation:
Juniper Mist AI simplifies the process of configuring wired devices during deployment by providing pre-defined templates for device configuration.

Question: 319

What is Wired Assurance in Mist AI Wired Specialist?

A. A feature for both wireless and wired networks
B. A feature for wired networks only
C. A feature unrelated to networking
D. A feature for wireless networks only

Answer: A

Explanation:
Wired Assurance in Mist AI Wired Specialist is a feature that provides end-to-end visibility, analytics, and troubleshooting for both wired and wireless networks.

Question: 320

Which technology does EVPN use for MAC learning and distribution?

A. BGP
B. STP
C. OSPF
D. MPLS

Answer: A

Explanation:
EVPN uses BGP (Border Gateway Protocol) for MAC learning and distribution in a Campus Fabric Architecture.

Question: 321

What is the purpose of a Campus Fabric Architecture in a network infrastructure?

A. To prioritize network traffic based on application requirements
B. To provide high-speed connectivity between devices
C. To segment the network for security purposes
D. To automate network provisioning and management

Answer: D

Explanation:
A Campus Fabric Architecture aims to automate network provisioning and management to improve efficiency and scalability in a network infrastructure.

Question: 322

In Campus Fabric architecture, what is the function of a leaf switch within a leaf-and-spine topology?

A. To provide a single point of control for all network devices
B. To aggregate traffic from multiple leaf switches
C. To provide high-bandwidth connections to spine switches
D. To connect end devices to the network

Answer: C

Explanation:
A leaf switch in a leaf-and-spine topology in Campus Fabric architecture provides high-bandwidth connections to spine switches and connects end devices to the network.

Question: 323

Which feature in Mist AI allows administrators to schedule and automate network configuration and software updates for wired devices?

A. Device inventory
B. Insight
C. Assurance settings
D. Workflow

Answer: D

Explanation:

The Workflow feature in Mist AI allows administrators to schedule and automate network configuration and software updates for wired devices.

Question: 324

Which network design approach does Campus Fabric architecture typically follow?

A. Mesh network
B. Leaf-and-spine
C. Spoke-and-hub
D. Ring topology

Answer: B

Explanation:
Campus Fabric architecture typically follows a leaf-and-spine network design approach to provide high bandwidth and scalability in a data center network.

Question: 325

Which device type is responsible for encapsulating and decapsulating VXLAN packets in an EVPN-VXLAN network?

A. Leaf switches
B. Access switches
C. Spine switches
D. Border gateway routers

Answer: A

Explanation:
Leaf switches are responsible for encapsulating and decapsulating VXLAN packets in an EVPN-VXLAN network.

Question: 326

How can network administrators prioritize critical network issues in Wired Assurance Management?

A. By using VLANs
B. By updating switch firmware
C. By assigning severity levels to alerts
D. By analyzing website traffic

Answer: C

Explanation:
Network administrators in Wired Assurance Management can prioritize critical network issues by assigning severity levels to alerts.

Question: 327

Which technology is used for network segmentation and isolation in Campus Fabric Architecture?

A. Q-in-Q
B. VLAN
C. MPLS
D. GRE

Answer: B

Explanation:
VLAN (Virtual Local Area Network) technology is used for network segmentation and isolation in Campus Fabric Architecture, ensuring separate network domains within the infrastructure.

Question: 328

In a wired network deployment scenario, what is the purpose of network discovery and inventory management?

A. To identify all network devices and their properties
B. To limit visibility into the network infrastructure
C. To prolong the deployment process
D. To prioritize security over visibility

Answer: A

Explanation:
Network discovery and inventory management in a wired network deployment scenario help identify all network devices and their properties for effective management.

Question: 329

What is a key benefit of using a zero-touch provisioning process for wired network devices?

A. Increases network complexity
B. Slows down network deployment
C. Decreases network security

D. Simplifies device deployment

Answer: D

Explanation:

Zero-touch provisioning simplifies device deployment by automatically configuring network devices without the need for manual intervention.

Question: 330

Which of the following is a benefit of using VXLAN in a data center network?

A. Increased latency
B. Improved network security
C. Reduced scalability
D. Simplified network management

Answer: D

Explanation:

One benefit of using VXLAN in a data center network is simplified network management.

Question: 331

What is the primary benefit of Mist AI Wired's automation features in wired network operations?

A. Reduced network complexity
B. Increased hardware costs
C. Enhanced user experience
D. Improved cybersecurity measures

Answer: A

Explanation:

The primary benefit of Mist AI Wired's automation features is reduced network complexity in wired network operations.

Question: 332

What is a key benefit of using a Campus Fabric Architecture in a network setup?

A. Reduced network security
B. Decreased network performance
C. Limited network visibility
D. Improved network scalability

Answer: D

Explanation:

One key benefit of using a Campus Fabric Architecture is improved network scalability, allowing for easier expansion and growth of the network.

Question: 333

Which feature in Wired Assurance Management provides insights into network device performance and health?

A. Port security
B. Configuration backup
C. VLAN configuration
D. Telemetry data

Answer: D

Explanation:
Telemetry data in Wired Assurance Management provides insights into network device performance and health.

Question: 334

In which layer of the OSI model does VXLAN operate?

A. Layer 1
B. Layer 3
C. Layer 4
D. Layer 2

Answer: D

Explanation:
VXLAN operates at Layer 2 of the OSI model.

Question: 335

Which technology underlies the automation capabilities of Mist AI Wired for wired network management?

A. Machine Learning
B. Internet of Things
C. Blockchain
D. Artificial Intelligence

Answer: A

Explanation:
Machine Learning technology underlies the automation capabilities of Mist AI Wired for wired network management.

Question: 336

Which of the following is a key benefit of using EVPN with VXLAN in a network architecture?

A. Reduced latency
B. Faster data transmission speeds
C. Improved security
D. Scalability

Answer: D

Explanation:
Scalability is a key benefit of using EVPN with VXLAN in a network architecture.

Question: 337

Why is it important to conduct a site survey before deploying wired network devices?

A. To increase network downtime
B. To identify potential deployment challenges and requirements
C. To discourage network growth
D. To delay the deployment process

Answer: B

Explanation:
Conducting a site survey before deploying wired network devices is important to identify potential deployment challenges and requirements for successful implementation.

Question: 338

What is the function of the VTEP (VXLAN Tunnel Endpoint) device in a VXLAN network?

A. Authenticate users
B. Manage Layer 2 VLANs
C. Monitor network traffic
D. Terminate VXLAN tunnels

Answer: D

Explanation:
VTEP devices are responsible for terminating VXLAN tunnels in a VXLAN network.

Question: 339

What is the key advantage of deploying Campus Fabric Architecture over traditional network designs?

A. Simplified network management
B. Increased network complexity
C. Enhanced network security
D. Reduced network scalability

Answer: A

Explanation:
A key advantage of deploying Campus Fabric Architecture is simplified network management, which reduces the complexity of network operations and enhances overall efficiency.

Question: 340

In EVPN-VXLAN environments, what is the purpose of the Virtual Extensible LAN (VXLAN) technology?

A. To enable Layer 4 load balancing
B. To enhance network monitoring
C. To facilitate Layer 2 overlay networks
D. To provide Layer 3 routing

Answer: C

Explanation:
VXLAN technology is used to facilitate Layer 2 overlay networks in EVPN-VXLAN environments.

Question: 341

What is the purpose of Wired Assurance Management or Operations in a network setup?

A. Monitoring network performance
B. Managing firmware updates
C. Troubleshooting network connectivity issues
D. Configuring switch port settings

Answer: A

Explanation:
Wired Assurance Management or Operations involves monitoring network performance to ensure optimal operation.

Question: 342

What is the purpose of VXLAN in a network architecture?

A. To improve routing protocols
B. To enhance network security
C. To enable scalable and multi-tenant environments
D. To provide virtual private network services

Answer: C

Explanation:
VXLAN is used to enable scalable and multi-tenant environments in network architecture.

Question: 343

How does Mist AI Wired help troubleshoot network issues efficiently?

A. By manually testing network connections
B. By enabling user-based access control
C. By offering remote network access
D. By providing real-time alerts and insights

Answer: D

Explanation:
Through real-time alerts and insights, Mist AI Wired helps troubleshoot network issues efficiently.

Question: 344

Which Mist AI Wired functionality enables network administrators to detect and resolve network issues before users experience them?

A. Cloud-Based Monitoring
B. Predictive Maintenance
C. Traffic Optimization
D. Virtual Network Management

Answer: B

Explanation:
Predictive Maintenance in Mist AI Wired enables network administrators to detect and resolve network issues before users experience them.

Question: 345

Which protocol is commonly used for the underlay network in Campus Fabric Architecture?

A. DHCP
B. STP
C. OSPF
D. BGP

Answer: C

Explanation:
OSPF (Open Shortest Path First) is commonly used as a routing protocol for the underlay network in Campus Fabric Architecture, ensuring efficient data transfer.

Question: 346

What is the purpose of Wired Assurance Management?

A. To analyze website traffic
B. To configure wireless access points
C. To monitor and troubleshoot wired network devices
D. To update firmware on routers

Answer: C

Explanation:
Wired Assurance Management is used to monitor and troubleshoot wired network devices.

Question: 347

What role does scripting or automation play in the provisioning of wired network devices?

A. It simplifies and speeds up the deployment process
B. It reduces the need for network monitoring
C. It adds unnecessary complexity to device provisioning
D. It increases manual configuration efforts

Answer: A

Explanation:
Scripting or automation plays a key role in the provisioning of wired network devices by simplifying and speeding up the deployment process through predefined actions.

Question: 348

Which protocol is commonly used for automated device provisioning in wired networks?

A. FTP
B. SSH
C. DHCP
D. SNMP

Answer: C

Explanation:
DHCP (Dynamic Host Configuration Protocol) is commonly used for automated device provisioning in wired networks to assign IP addresses and configuration parameters.

Question: 349

Which technology is used to extend Layer 2 connectivity across multiple sites in a scalable and efficient manner?

A. OSPF
B. BGP
C. MPLS
D. VXLAN

Answer: D

Explanation:

VXLAN is used to extend Layer 2 connectivity across multiple sites.

Question: 350

What is the role of a Juniper enterprise switch in a Mist AI Wired deployment?

A. Streamline cloud deployment
B. Manage wired devices
C. Provide wireless connectivity
D. Balance network traffic

Answer: B

Explanation:

Juniper enterprise switches play a role in managing wired devices in a Mist AI Wired deployment.

Question: 351

How does a centralized controller facilitate wired assurance provisioning in a campus network?

A. By limiting network visibility
B. By increasing network complexity
C. By decentralizing control and management
D. By providing a single point of management and configuration

Answer: D

Explanation:

A centralized controller facilitates wired assurance provisioning in a campus network by providing a single point of management and configuration for streamlined operations.

Question: 352

Which protocol is commonly used with VXLAN for overlay network virtualization?

A. MPLS
B. VTEP
C. OSPF
D. BGP

Answer: B

Explanation:

VTEP (VXLAN Tunnel Endpoint) is commonly used with VXLAN for overlay network virtualization.

Question: 353

What is the purpose of Wired Assurance Provisioning or Deployment in Mist AI Wired Specialist?

A. Analyzing network security threats
B. Monitoring cloud storage usage

C. Managing wireless networks only
D. Configuring wired networks for optimal performance

Answer: D

Explanation:
Wired Assurance Provisioning or Deployment focuses on configuring wired networks for optimal performance.

Question: 354

Which component provides the centralized control and policy distribution in a Campus Fabric Architecture?

A. Edge devices
B. Spine devices
C. Core router
D. Controller

Answer: D

Explanation:
A controller in Campus Fabric Architecture provides centralized control and policy distribution, ensuring consistent network configurations across the entire infrastructure.

Question: 355

What is the purpose of the dashboard feature in Wired Assurance Management?

A. To analyze wireless connectivity
B. To update firmware on network devices
C. To display network device status and performance metrics
D. To configure access control lists

Answer: C

Explanation:
The dashboard feature in Wired Assurance Management displays network device status and performance metrics.

Question: 356

What role does machine learning play in the wired assurance capabilities provided by Mist AI Wired?

A. Identifying network threats
B. Deploying security patches
C. Analyzing network behavior and making intelligent decisions
D. Managing network configurations

Answer: C

Explanation:
Machine learning in Mist AI Wired analyzes network behavior and makes intelligent decisions to enhance wired assurance capabilities.

Question: 357

Which component of Mist AI Wired provides centralized management and visibility of wired network devices?

A. Mist Cloud
B. Virtual Port Extender
C. Wired Assurance
D. Juniper Skywire

Answer: A

Explanation:
Mist Cloud provides centralized management and visibility of wired network devices in a Mist AI Wired deployment.

Question: 358

What is the role of intent-based networking in Wired Assurance Management?

A. It provides firmware updates
B. It automates network configuration tasks
C. It analyzes website traffic
D. It secures wireless connections

Answer: B

Explanation:
Intent-based networking in Wired Assurance Management automates network configuration tasks.

Question: 359

What is the purpose of Wired Assurance in a network deployment?

A. Monitor and optimize wired network performance
B. Provide security measures
C. Manage wireless devices
D. Implement VPN technology

Answer: A

Explanation:
Wired Assurance in a network deployment helps monitor and optimize wired network performance.

Question: 360

What is the role of the Border Gateway Protocol (BGP) in EVPN-VXLAN deployments?

A. To encrypt data traffic
B. To manage Layer 2 MAC addresses
C. To establish Layer 3 connectivity
D. To exchange routing information

Answer: D

Explanation:
BGP is used to exchange routing information in EVPN-VXLAN deployments.

Question: 361

Which feature of wired assurance provisioning allows for dynamic policy enforcement based on user context?

A. Access control lists
B. VLAN assignment
C. Role-based access control
D. Dynamic Segmentation

Answer: D

Explanation:
Dynamic Segmentation in wired assurance provisioning allows for dynamic policy enforcement based on user context to enhance network security.

Question: 362

What is the benefit of leveraging machine learning algorithms in Wired Assurance Management?

A. Enhanced network visibility
B. Improved device security
C. Automated network configuration
D. Real-time network monitoring

Answer: A

Explanation:
Leveraging machine learning algorithms in Wired Assurance Management enhances network visibility.

Question: 363

Which tool can be used for automated network troubleshooting in Wired Assurance Management?

A. SNMP
B. PuTTY
C. Cisco DNA Center
D. Event-driven telemetry

Answer: C

Explanation:
Cisco DNA Center can be used for automated network troubleshooting in Wired Assurance Management.

Question: 364

What does EVPN stand for in the context of networking technology?

A. Enhanced Virtual Private Network

B. Edge Virtual Private Network
C. Ethernet Virtual Private Network
D. Ethernet Virtual Private Network

Answer: C

Explanation:

EVPN stands for Ethernet Virtual Private Network.

Question: 365

What is the main focus of fabric automation in Campus Fabric Architecture?

A. Improving network scalability
B. Streamlining network operations
C. Enhancing network security
D. Reducing network downtime

Answer: B

Explanation:
Fabric automation in Campus Fabric Architecture focuses on streamlining network operations by automating repetitive tasks and simplifying network management processes.

Question: 366

What is the role of VXLAN in Campus Fabric Architecture?

A. Quality of Service (QoS)
B. Load balancing
C. Network virtualization
D. Access control

Answer: C

Explanation:
VXLAN (Virtual Extensible LAN) is used for network virtualization in Campus Fabric Architecture, enabling the creation of overlay networks over existing physical infrastructure.

Question: 367

What is the primary benefit of using wired assurance operations?

A. Enhanced network performance
B. Improved wireless connectivity
C. Better network security
D. Increased virtualization capabilities

Answer: A

Explanation:
The primary benefit of using wired assurance operations is enhanced network performance.

Question: 368

Which design principle allows for non-blocking, low-latency data transfer in Campus Fabric Architecture?

A. Over-subscription
B. Line-rate forwarding
C. Packet loss
D. Store-and-forward

Answer: B

Explanation:
Line-rate forwarding in Campus Fabric Architecture ensures non-blocking, low-latency data transfer by forwarding packets at wire speed without delay.

Question: 369

How does Mist AI Wired use machine learning algorithms to optimize network performance?

A. By analyzing network data and making automatic adjustments
B. By conducting regular network audits
C. By isolating network issues
D. By manually adjusting settings

Answer: A

Explanation:
Machine learning algorithms in Mist AI Wired analyze network data and make automatic adjustments to optimize performance.

Question: 370

What is the purpose of a spine-and-leaf topology in Campus Fabric Architecture?

A. To enhance network scalability
B. To improve network redundancy
C. To increase network complexity
D. To reduce network performance

Answer: A

Explanation:
A spine-and-leaf topology in Campus Fabric Architecture is designed to enhance network scalability by providing multiple paths for data transfer and avoiding network bottlenecks.

Question: 371

What is the purpose of the VNI (VXLAN Network Identifier) in VXLAN technology?

A. To identify Layer 4 ports
B. To identify physical switch ports
C. To identify Layer 3 addresses
D. To identify the specific VXLAN network

Answer: D

Explanation:
The VNI in VXLAN technology is used to identify the specific VXLAN network.

Question: 372

What is an important consideration when deploying wired network devices in a distributed enterprise environment?

A. Power consumption

B. Device compatibility
C. Network security
D. Centralized management

Answer: D

Explanation:
Centralized management is an important consideration when deploying wired network devices in a distributed enterprise environment to streamline operations.

Question: 373

What is the benefit of using L3 routing in Campus Fabric Architecture?

A. Increased network latency
B. Simplified network troubleshooting
C. Enhanced network performance
D. Improved network security

Answer: C

Explanation:
L3 routing in Campus Fabric Architecture leads to enhanced network performance by enabling efficient routing decisions at the network layer.

Question: 374

Which step is typically included in the workflow for wired network device provisioning?

A. Device decommissioning
B. Manual device configuration
C. Post-configuration testing
D. Documentation review

Answer: C

Explanation:
Post-configuration testing is typically included in the workflow for wired network device provisioning to verify proper operation and configuration.

Question: 375

Which technology enhances network resiliency in Campus Fabric Architecture by providing redundant paths for data transfer?

A. HSRP
B. NAT
C. BFD
D. ECMP

Answer: D

Explanation:
ECMP (Equal-Cost Multi-Path) technology enhances network resiliency in Campus Fabric Architecture by providing redundant paths for data transfer, ensuring high availability and load balancing.

Question: 376

Which feature allows for real-time troubleshooting and network monitoring in Wired Assurance Management?

A. User authentication
B. Device configuration backup
C. Event-driven telemetry
D. Historical traffic analysis

Answer: C

Explanation:
Event-driven telemetry allows for real-time troubleshooting and network monitoring in Wired Assurance Management.

Question: 377

How does template-based configuration deployment simplify the provisioning of wired network devices?

A. By automating the configuration process using predefined templates
B. By requiring manual configuration for each device
C. By limiting the customization options for network configurations
D. By increasing the likelihood of configuration errors

Answer: A

Explanation:
Template-based configuration deployment simplifies the provisioning of wired network devices by automating the configuration process using predefined templates.

Question: 378

Which tool can be used for centralized monitoring and management of wired network devices?

A. PuTTY
B. Wireshark
C. SNMP
D. Cisco DNA Center

Answer: D

Explanation:
Cisco DNA Center is a tool used for centralized monitoring and management of wired network devices.

Question: 379

Which protocol is commonly used for communication between network devices in Wired Assurance Management?

A. HTTPS
B. SNMP
C. HTTP
D. SSH

Answer: B

Explanation:

SNMP is commonly used for communication between network devices in Wired Assurance Management.

Question: 380

What is the purpose of configuration drift detection in wired network provisioning?

A. To ensure consistency in device configurations over time
B. To ignore configuration changes made by users
C. To intentionally change device configurations
D. To prevent new configurations from being pushed to devices

Answer: A

Explanation:

Configuration drift detection in wired network provisioning ensures consistency in device configurations over time by identifying and correcting any deviations.

Question: 381

Which tool or technology is commonly used for wired network device imaging and deployment?

A. TFTP server
B. USB flash drives
C. Cloud storage
D. Serial console connection

Answer: A

Explanation:

TFTP (Trivial File Transfer Protocol) server is commonly used for wired network device imaging and deployment to transfer configuration files and images.

Question: 382

What is the purpose of a Campus Fabric Architecture?

A. To enhance the performance of the network
B. To reduce network latency
C. To simplify network management
D. To increase network security

Answer: C

Explanation:

Campus Fabric Architecture aims to simplify network management by creating a single, unified network infrastructure.

Question: 383

What is the purpose of Wired Assurance Fundamentals in Mist AI Wired Specialist training?

A. To learn advanced troubleshooting techniques
B. To optimize network performance
C. To understand basic networking concepts
D. To deploy wired assurance solutions

Answer: C

Explanation:
Wired Assurance Fundamentals is designed to help individuals understand basic networking concepts for wired assurance solutions.

Question: 384

What technology is commonly used in modern networks for overlaying virtual networks on top of existing physical networks?

A. OSPF
B. EIGRP
C. MPLS
D. EVPN-VXLAN

Answer: D

Explanation:
EVPN-VXLAN is a technology that combines Ethernet VPN (EVPN) with Virtual Extensible LAN (VXLAN) to provide scalable and efficient network overlays.

Question: 385

Which feature allows for a centralized point of management for the entire network in a Campus Fabric Architecture?

A. EVPN
B. VRF VLAN SDN
C. **Answer: A**
D. **Explanation:**
EVPN (Ethernet Virtual Private Network) enables a centralized point of management for the entire network, facilitating easier network operations.

Question: 386

Which role is responsible for creating network policies and configurations in Wired Assurance

Management?

A. System Administrator
B. Database Administrator
C. Network Engineer
D. Security Analyst

Answer: C

Explanation:
The Network Engineer is responsible for creating network policies and configurations in Wired Assurance Management.

Question: 387

Which Mist AI Wired feature provides real-time visibility into network performance and user experience?

A. Assurance
B. Engagement
C. Presence
D. Bluetooth

Answer: A

Explanation:
The Mist AI Wired feature Assurance provides real-time visibility into network performance and user experience.

Question: 388

In the context of Wired Assurance Fundamentals, what is the purpose of network assurance?

A. To ensure high availability of wireless devices
B. To encrypt data transmissions
C. To provide wired network security
D. To monitor network performance and user experience

Answer: D

Explanation:
Network assurance in Wired Assurance Fundamentals helps monitor network performance and user experience.

Question: 389

How does Mist AI Wired leverage telemetry data for wired network optimization?

A. By encrypting telemetry data for security
B. By isolating devices with poor connectivity
C. By monitoring network performance in real-time
D. By using predictive analytics to anticipate network issues

Answer: D

Explanation:
Mist AI Wired uses telemetry data and predictive analytics to anticipate network issues and optimize

performance.

Question: 390

Which of the following is a characteristic of VXLAN encapsulation?

A. Decreases network performance
B. Ensures backward compatibility
C. Increases packet size
D. Reduces network segmentation

Answer: C

Explanation:

VXLAN encapsulation increases packet size due to the additional headers added for the overlay network.