Juniper JN0-253 Practice Questions

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Question 1

Question Type: MultipleChoice

What are two solutions that Juniper Mist Location Services provide? (Choose two.)

Options:

A- asset location
B- geofencing
C- wayfinding
D- GPS location

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Answer:

A, C

Explanation:

Juniper Mist Location Services provide asset location and wayfinding. According to official Juniper documentation: 'Juniper Mist provides location accuracy for wayfinding, asset visibility, and user engagement,' leveraging cloud-native vBLE and Wi-Fi technologies.

Asset location enables organizations to locate high-value resources, personnel, or IoT devices in real time with rich analytics, making it easy to find assets and people using the Mist dashboard and APIs.

Wayfinding gives users turn-by-turn indoor navigation and mapping via mobile SDKs and the Mist cloud.

While geofencing can be achieved as part of location-based engagement features, it is not listed as a primary Mist Location Service solution. GPS location is not directly supported; Mist Location Services operate indoors using Wi-Fi and BLE signals, not satellite GPS.

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Juniper Mist Location Services Overview , Indoor Location Services Solution Brief.

Question 2

Question Type: MultipleChoice

What are device-specific WAN Edge templates used for in an SD-WAN configuration?

Options:

A- To automate the WLAN template process
B- To automatically generate configuration elements specific to device models
C- To perform traffic inspection for WAN edge devices
D- To monitor network events and stop attacks

Answer:

B

Explanation:

In the Juniper Mist SD-WAN solution, device-specific WAN Edge templates are used to streamline the deployment and configuration of Juniper SRX or SSR (Session Smart Router) devices serving as WAN Edge nodes. These templates ensure consistent and accurate configurations across a distributed WAN environment while accounting for differences in hardware models and interface types.

According to the Juniper Mist WAN Assurance and SD-WAN Configuration Guide, device-specific templates:

''Automatically generate configuration elements tailored to the hardware platform, including interfaces, ports, and device capabilities.''

They are part of Mist's cloud-managed SD-WAN automation framework, which combines WAN Assurance and AI-driven insights to manage branch connectivity. The templates simplify provisioning by populating device-level parameters such as:

Interface naming and mapping based on the device model.

Hardware-specific configurations like tunnel endpoints, IP addressing, and routing settings.

Security and performance policies consistent with the organization's SD-WAN design.

Options A, C, and D are incorrect because:

A (WLAN template automation) pertains to wireless network configuration, not WAN edge devices.

C (traffic inspection) relates to firewall or security policies handled by SRX's UTM features, not templates.

D (monitoring and attack prevention) falls under Mist's security or analytics capabilities, not the template function.

Therefore, the correct answer is B. To automatically generate configuration elements specific to device models.

-- Juniper Mist WAN Assurance and SD-WAN Configuration Guide

-- Juniper Mist Cloud Device Template Management Documentation

-- Juniper Mist AI-Driven SD-WAN Deployment Overview

Question 3

Question Type: MultipleChoice

What are the principal types of machine learning for AI agents?

Options:

A- Supervised, unsupervised, dynamic programming, and Q-learning
B- Supervised, unsupervised, Markov decision process, and Bellman equation
C- Supervised, unsupervised, clustering, and association rules
D- Supervised, unsupervised, reinforcement, and deep learning

Answer:

D

Explanation:

In the Juniper Mist AI ecosystem, the intelligence behind Mist's automation and insight generation is driven by machine learning (ML) and artificial intelligence (AI) models. These models enable Mist AI to identify trends, predict network issues, and automate remediation through the Marvis Virtual Network Assistant (VNA).

According to the Juniper Mist AI and Machine Learning Overview, Mist AI utilizes several core ML paradigms:

''Mist AI leverages supervised, unsupervised, reinforcement, and deep learning models to interpret telemetry data, recognize behavioral patterns, and make predictive adjustments for network optimization.''

Supervised Learning -- Uses labeled data for training, allowing Mist AI to identify known issues (e.g., DHCP failures or high latency).

Unsupervised Learning -- Detects anomalies or patterns in unlabeled datasets (e.g., identifying abnormal client behavior).

Reinforcement Learning -- Continuously improves network performance by using feedback from outcomes of previous actions.

Deep Learning -- Employs neural network models for complex pattern recognition and predictive analytics.

These combined learning approaches enable Mist AI to evolve autonomously and maintain accuracy through its AI efficacy loop.

Therefore, the correct answer is D. Supervised, unsupervised, reinforcement, and deep learning.

-- Juniper Mist AI and Machine Learning Overview

-- Juniper Mist AI Cloud Architecture and Predictive Analytics Guide

-- Juniper Mist Marvis Virtual Network Assistant Technical Documentation

Question 4

Question Type: MultipleChoice

Which two Juniper devices are used in Juniper Mist WAN Assurance? (Choose two.)

Options:

A- SRX Series Firewalls
B- EX Series Switches
C- Session Smart Routers
D- QFX Series Switches

Answer:

A, C

Explanation:

Juniper Mist WAN Assurance is a cloud-based service that extends Mist AI capabilities to the WAN edge, providing visibility, automation, and AI-driven analytics for WAN devices. It focuses on ensuring end-to-end service assurance for users and applications across distributed networks.

According to the Juniper Mist WAN Assurance and SD-WAN Deployment Guide, the supported devices include:

''Juniper SRX Series Firewalls and Session Smart Routers (SSR) are integrated with Mist WAN

Assurance for telemetry collection, service-level monitoring, and AI-driven troubleshooting.''

SRX Series Firewalls (A): Provide secure WAN connectivity and send real-time telemetry (including throughput, latency, and packet loss metrics) to Mist Cloud.

Session Smart Routers (C): Power the AI-driven SD-WAN solution with application-aware routing and session intelligence, fully integrated into Mist Cloud for advanced visibility and analytics.

EX and QFX switches are used with Wired Assurance, not WAN Assurance.

Therefore, the correct answers are A. SRX Series Firewalls and C. Session Smart Routers.

-- Juniper Mist WAN Assurance and SD-WAN Deployment Guide

-- Juniper Mist Cloud Operations and Assurance Documentation

-- Juniper Mist AI WAN and Telemetry Overview

Question 5

Question Type: MultipleChoice

What are two important components monitored under WAN Edge Health SLEs? (Choose two.)

Options:

A- CPU utilization
B- memory utilization
C- application response times
D- ISP reachability

Answer:

A, B

Explanation:

The WAN Edge Health SLE in Juniper Mist monitors critical operational metrics for WAN edge devices. According to Juniper's documentation: ''Juniper Mist analyzes various factors that affect WAN edge health and assigns a score... Classifiers include Memory---triggered when WAN edge memory utilization is above 80 percent and CPU---triggered when control or data plane CPU utilization is above 90 percent.'' These components directly impact the device's ability to

process traffic. Monitoring these parameters enables rapid detection of system resource constraints, which are essential for ensuring optimal WAN performance. While ISP reachability is a separate SLE (usually part of WAN Link SLEs), application response times are tracked in Application SLEs.

WAN Edge Health SLE | Mist , Juniper Mist Network Monitoring , WAN Assurance | NetworkScreen.com.au

Question 6

Question Type: MultipleChoice

When reviewing your site's SLEs, you notice a significantly high percentage of Asymmetry Uplink errors.

What do these errors indicate?

Options:

A- excessive non-Wi-Fi interference
B- a coverage hole
C- excessive client load
D- slow 802.11r roams

Answer:

B

Explanation:

A high percentage of Asymmetry Uplink errors indicates coverage holes caused by asymmetric uplink strength between the AP and client devices. According to Juniper Mist's official documentation: 'Asymmetry Uplink---Clients received a weak signal due to asymmetric uplink strength between the AP and the client device. (Uplink traffic is the traffic going from the client to the AP, and then to the Internet.) Asymmetry can occur for various reasons, such as clients being too far from the AP.' This generally means that clients are physically located at a distance or behind obstacles (such as walls), causing the AP to detect weak signals from those clients. Coverage holes arise when APs are placed such that some areas have insufficient RF coverage, and the low-powered client devices cannot maintain reliable communication with the AP---even though the AP, with its higher transmit power, might hear the client, the client cannot send strong enough signals back. The SLE classifier is designed to highlight such areas for remediation, prompting network admins to review and enhance AP placement or signal

thresholds.

Juniper Mist Wireless Coverage SLE Documentation; Service Level Expectations Overview; Wireless Assurance Configuration Guide

Question 7

Question Type: MultipleChoice

You want to change the default language for your Juniper Mist portal.

What will accomplish this task?

Options:

A- Select your ranked language choice from the Alerts page.
B- Input your primary language in the My Accounts page.
C- Define your language using Organization templates.
D- Use the Change Language drop-down list of the Juniper Mist portal.

Answer:

D

Explanation:

The Juniper Mist Cloud portal provides a user-friendly interface that supports multiple languages to enhance accessibility for global users. The language preference determines the display language for menus, dashboards, and configuration pages across the Mist UI.

According to the Juniper Mist Cloud Administration Guide, the portal's language can be modified as follows:

''Users can change the display language of the Mist portal using the Change Language drop-down list located in the upper-right corner of the interface.''

This option allows users to immediately switch the UI language without affecting other users in the organization or requiring administrative permissions. The change is applied per user profile and is stored for future sessions.

Other listed options are invalid:

A: The Alerts page does not include language settings.

B: The My Account page shows personal info but not display language options.

C: Organization templates are unrelated to UI preferences.

Therefore, the correct answer is D. Use the Change Language drop-down list of the Juniper Mist portal.

-- Juniper Mist Cloud Administration and User Interface Guide

-- Juniper Mist Cloud Portal User Preferences Documentation

-- Juniper Mist Cloud Fundamentals and Globalization Overview

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