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QUESTIONS & ANSWERS
DEMO VERSION
(LIMITED CONTENT)

Question 1

Question Type: MultipleChoice

How often does Marvis Minis execute automatic validations?

Options:

- A- Every 30 minutes
- B- Every hour
- C- Every week
- D- Every day

Answer:

B

Explanation:

Marvis Minis continuously validates the health of network services by performing synthetic tests at predefined intervals without requiring user intervention. These tests simulate real client interactions -- such as authentication, DHCP, DNS, and application reachability --- to detect network issues proactively.

According to the Juniper Mist Marvis Minis Technical Overview, the feature performs:

"Automated validations every hour to ensure wireless, wired, and WAN network services are operating as expected."

Each validation cycle allows the Minis agent (running on Mist Access Points) to verify connectivity and performance parameters across key stages of the client experience. If any issues are detected, they are automatically surfaced in the Marvis Actions dashboard for further analysis.

While administrators can trigger additional manual tests, automatic validations occur every hour by default across all enabled sites.

Therefore, the correct answer is B. Every hour.

-- Juniper Mist Marvis Minis Operations and Validation Guide

Question 2

Question Type: MultipleChoice

In the context of Juniper Mist, which two statements describe a bad user minute? (Choose two.)

Options:

- A- A metric that tracks how many minutes a user is connected to a network.
- B- A way to normalize a user's negative network experience.
- C- The number of minutes a device is down multiplied by the number of users affected.
- D- The number of affected users multiplied by the number of minutes they are affected.

Answer:

B, D

Explanation:

In Juniper Mist AI, the concept of a Bad User Minute (BUM) is a core metric used within Service Level Expectations (SLEs) and the AI-driven analytics engine to quantify negative user experience.

According to the Juniper Mist AI Operations and SLE Analytics Guide, a "bad user minute" is defined as:

"A normalized measure that represents one minute of degraded user experience for one user."

Mist AI calculates this by multiplying the number of affected users by the number of minutes they experience poor performance. This allows administrators to understand the impact of network issues not just in duration, but in terms of total user experience degradation.

For example, if ten users experience poor connectivity for one minute, the system records 10 bad user minutes. This normalization helps Juniper Mist prioritize incidents based on impact, rather than duration alone, allowing administrators to focus on issues that affect the greatest number of users.

Therefore:

B is correct --- it's a way to normalize a user's negative experience.

D is correct --- it's calculated as number of affected users number of minutes affected.

-- Juniper Mist AI Operations and Analytics Guide

-- Juniper Mist Wireless Assurance and SLE Overview

-- Juniper Mist AI Insight Metrics and KPI Definitions

Question 3

Question Type: MultipleChoice

Which Juniper Mist dashboard feature uses the ROAMINGOF element?

Options:

- A- Conversational Assistant
- B- Marvis Query Language
- C- Marvis Minis
- D- Wireless SLE

Answer:

B

Explanation:

The ROAMINGOF element is part of the Marvis Query Language (MQL), which is the structured query syntax used by Marvis, Juniper's Virtual Network Assistant (VNA).

According to the Juniper Mist Marvis and MQL Technical Reference, Marvis Query Language provides advanced data query and automation capabilities that go beyond the conversational interface. It allows administrators to directly extract analytical insights, run network diagnostics, and perform queries related to user experience metrics and Service Level Expectations (SLEs).

The documentation specifies:

"MQL is the analytical engine of Marvis that uses elements such as ROAMINGOF, CONNECTIVITYOF, and PERFORMANCEOF to query Mist data and retrieve SLE metrics, performance trends, and device events."

The ROAMINGOF element specifically relates to the Wireless Roaming SLE category, enabling Marvis to evaluate client roaming performance across access points, identify failed transitions, and correlate signal quality or capacity-related issues.

While the Conversational Assistant (A) uses natural language queries, it translates them internally into MQL commands. Marvis Minis (C) runs synthetic tests, and Wireless SLE (D) displays performance metrics but does not directly use MQL syntax elements.

Thus, the correct answer is B. Marvis Query Language.

-- Juniper Mist Marvis Query Language (MQL) Reference Guide

Question 4

Question Type: MultipleChoice

Where do reminders about subscription expiration appear in the Juniper Mist portal?

Options:

- A- In a banner message at the top of the Juniper Mist portal
- B- In the dashboard alerts
- C- In Marvis Actions
- D- In the device's insights section

Answer:

A

Explanation:

Juniper Mist Cloud provides visual and automated notifications to alert administrators about subscription status and expiration for services such as Wireless Assurance, Wired Assurance, WAN Assurance, Premium Analytics, and Marvis AI.

According to the Juniper Mist Cloud Administration and Licensing Guide, the system:

"Displays subscription and license expiration warnings in a banner across the top of the Mist portal interface when licenses are within their renewal window."

This banner typically appears in yellow or red, depending on urgency, and includes direct links to the Subscriptions page for renewal actions.

While subscription status information can also be viewed manually under Organization Subscriptions, the real-time reminders and notifications appear as banner messages at the top of the Mist Portal.

Options B, C, and D are incorrect because:

Dashboard alerts focus on network events, not licensing.

Marvis Actions highlights operational or performance issues.

Device insights report performance metrics, not subscription data.

Therefore, the correct answer is A. In a banner message at the top of the Juniper Mist portal.

-- Juniper Mist Cloud Licensing and Subscription Management Guide

-- Juniper Mist Administration and Portal User Interface Overview

-- Juniper Mist Cloud Operations and Renewal Notifications Documentation

Question 5

Question Type: MultipleChoice

Which two statements describe port profiles? (Choose two.)

Options:

- A- They can be assigned to multiple ports.
- B- They include a set of interface configurations.
- C- They must be assigned to only one port.
- D- They include a set of routing configurations.

Answer:

A, B

Explanation:

Port profiles in Juniper Mist Wired Assurance are reusable configuration templates that define how switch ports behave. They streamline switch provisioning and ensure consistent configurations across multiple ports and devices within a site or organization.

According to the Juniper Mist Wired Assurance Configuration Guide, port profiles are defined as:

"A collection of interface-level settings that can be applied to one or more switch ports to simplify configuration and ensure uniform policy enforcement."

Key characteristics include:

Reusable templates: Port profiles can be assigned to multiple ports on one or more switches, allowing rapid deployment and consistent port behavior (e.g., access, trunk, voice VLAN).

Interface-level parameters: They include settings such as VLAN assignments, PoE configuration, speed, duplex, and LLDP options.

Port profiles do not include routing configurations (those are defined at the Layer 3 interface or VLAN

interface level) and are not limited to a single port.

Therefore, the correct answers are:

A . They can be assigned to multiple ports.

B . They include a set of interface configurations.

-- Juniper Mist Wired Assurance Configuration and Templates Guide

-- Juniper Mist Cloud Switch Management Documentation

-- Juniper EX Series Switch Wired Assurance Overview

Question 6

Question Type: MultipleChoice

What does the Predictive Analytics and Correlation Engine (PACE) of Mist AI use to understand the end-user experience?

Options:

A- Machine learning

B- User feedback

C- Network monitoring tools

D- Manual analysis

Answer:

A

Explanation:

The Predictive Analytics and Correlation Engine (PACE) is the core AI engine that powers the Juniper Mist Cloud. It is designed to continuously learn from real-time telemetry and user interactions across wireless, wired, and WAN networks to proactively identify anomalies and predict performance issues.

According to the Juniper Mist AI Cloud and PACE Architecture Documentation, PACE:

"Leverages machine learning and advanced analytics to correlate data across millions of network sessions, automatically identifying patterns that affect user experience."

The engine continuously evaluates key Service Level Expectations (SLEs), such as Time to Connect, Throughput, and Roaming, to establish performance baselines and detect deviations before users

notice them.

PACE does not rely on manual analysis or user feedback, and it integrates telemetry rather than external monitoring tools to maintain a closed-loop feedback system for self-correction and optimization.

Therefore, PACE uses machine learning (A) to understand, predict, and improve end-user experience across Juniper Mist-managed networks.

-- Juniper Mist AI Cloud Architecture and PACE Overview

-- Juniper Mist AI Operations and Analytics Guide

-- Juniper Mist Assurance and Machine Learning Documentation

Question 7

Question Type: MultipleChoice

Which two protocols does Marvis Minis automatically validate? (Choose two.)

Options:

- A- Simple Network Management Protocol (SNMP)
- B- Dynamic Host Configuration Protocol (DHCP)
- C- Network Time Protocol (NTP)
- D- Address Resolution Protocol (ARP)

Answer:

B, D

Explanation:

Marvis Minis is a feature within Marvis Virtual Network Assistant (VNA) that proactively tests and validates network performance by simulating user connections. Instead of waiting for user complaints, it performs synthetic client transactions to confirm the functionality of critical network services.

According to the Juniper Mist Marvis Minis Technical Overview and Marvis AI Operations Guide, Minis validates several network functions automatically, including:

Dynamic Host Configuration Protocol (DHCP): Ensures clients can obtain IP addresses properly from DHCP servers, validating end-to-end DHCP exchange success and response time.

Address Resolution Protocol (ARP): Verifies correct IP-to-MAC address resolution, confirming that clients can reach devices on the same subnet and that ARP tables are updated correctly.

Marvis Minis also performs checks on DNS resolution, authentication, and application reachability, but not on SNMP or NTP. Those protocols are used for management and time synchronization, not end-user connectivity validation.

Thus, the correct answers are B (DHCP) and D (ARP).

-- Juniper Mist Marvis Minis Deployment and Operations Guide

-- Juniper Mist AI Assurance and Troubleshooting Documentation

-- Juniper Mist Cloud Synthetic Testing Overview

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