JUNIPER NETWORKS | **Education Services**

MIST AI, SPECIALIST (JNCIS-MISTAI)

Earn a specialist-level certification that demonstrates understanding of WLAN technology and Mist AI features and functionality

One of two certifications in the Mist AI™ track, the JNCIS-Mist AI, specialist is designed for networking professionals wanting to advance their knowledge of wireless networking using Mist AI. During the written exam, you verify your intermediate understanding of WLAN and Mist AI technology, features, and functionality.

Exam Preparation

We recommend the following resources to help you prepare for your exam. However, these resources aren't required, and using them doesn't guarantee you'll pass the exam.

Recommended Training

- Juniper Mist AI Networks (MIST)

Exam Resources

- Industry/product knowledge
- Juniper TechLibrary

Additional Preparation

- Juniper Learning Portal

Exam Objectives

Here is a high-level view of the skillset required to successfully complete the JNCIS-MistAI certification exam.

Wi-Fi Fundamentals

Identify the concepts or functionality of basic Wi-Fi technologies:

- 802.11 physical layer protocols
- Frequency bands
- RF basics
- Modulation and coding
- Network arbitration and contention
- WLAN association and roaming
- WLAN life cycle

Juniper Mist WLAN Architecture and Deployment

Identify the concepts of the Juniper Mist Cloud architecture:

- General architecture concepts
- Account organization and subscriptions
- Configuration objects
- RESTful API concepts
- Webhook concepts
- Organization objects
- Site objects

Demonstrate knowledge of Juniper Mist configuration:

- Initial setup
- Access points
- Juniper Mist Edge
- WLAN objects

General WLAN Concepts

Identify the concepts or functionality of WLANs:

- WLAN concepts
- Security concepts
- Juniper Mist WLANs
- Policy (WxLAN)
- Guest portals
- Wireless intrusion detection and prevention

Demonstrate knowledge of WLAN configuration or troubleshooting:

- Multiple preshared key (PSK)
- Policy (WxLAN)

Juniper Mist Network Operations

Identify the components of Juniper Mist network operations:

- Service-level expectations (SLE) for Juniper Mist Wi-Fi Assurance

- Events and insights
- Alerts
- Radio resource management (RRM)

Demonstrate knowledge of wireless configuration or troubleshooting:

- SLE configuration
- SLE troubleshooting

Marvis AI

Identify the concepts and functionality of Marvis Virtual Network Assistant:

- Reactive troubleshooting
- Proactive troubleshooting
- Marvis languages
- Marvis actions

Demonstrate knowledge of using the Marvis Virtual Network Assistant:

- Reactive troubleshooting
- Proactive troubleshooting
- Marvis languages
- Marvis actions

Juniper Location Services, driven by Mist AI

Identify the concepts or methods of location-based services (LBS):

- Wi-Fi location
- Virtual Bluetooth Low Energy (BLE)
- User engagement
- Asset visibility
- Proximity tracing

Exam Details

Exam questions are derived from the recommended training and the exam resources listed above. Pass/fail status is available immediately after taking the exam. The exam is only provided in English.

Exam Code

JN0-451

Prerequisite Certification

JNCIA-MistAI

Delivered by

Pearson VUE

Exam Length

90 minutes

Exam Type

65 multiple-choice questions

Recertification

Juniper certifications are valid for three years. For more information, please see Recertification.

About Juniper Networks

At Juniper Networks, we are dedicated to dramatically simplifying network operations and driving superior experiences for end users. Our solutions deliver industry-leading insight, automation, security and AI to drive real business results. We believe that powering connections will bring us closer together while empowering us all to solve the world's greatest challenges of well-being, sustainability and equality.

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