MIST AI WIRELESS, SPECIALIST (JNCIS-MISTAI-WIRELESS)

Earn a specialist-level certification that demonstrates intermediate understanding of wireless LANs and Mist AI technology, features, and functionality.

As part of the Juniper® Mist™ AI track, the JNCIS-MistAI-Wireless, Specialist, is for WLAN networking professionals with intermediate knowledge of wireless networking using Juniper Mist AI. During the written exam, you will demonstrate your understanding of WLANs and Juniper 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

- Deploying and Managing Juniper Wireless Networks with Mist AI

Exam Resources

- Industry/product knowledge
- Juniper TechLibrary

Additional Preparation

- Juniper Learning Portal

Exam Objectives

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

Wi-Fi Fundamentals

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

- 802.11 PHY protocols
- Frequency bands
- RF basics
- Modulation and coding
- Network arbitration and contention
- WLAN association and roaming
- WLAN lifecycle

Juniper Mist WLAN Architecture and Deployment

Identify the concepts of the Juniper Mist architecture, including:

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

Demonstrate knowledge of Juniper Mist configuration, including:

- Initial setup
- Access points
- Wired AP connectivity (for example, PoE requirements and options)
- Juniper Mist Edge
- WLAN objects

Juniper Mist WLAN Concepts

Identify the concepts or functionality of WLANs, including:

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

Demonstrate knowledge of WLAN configuration or troubleshooting, including:

- Multiple PSK
- Policy (WxLAN)

Juniper Mist Network Operations

Identify the components of Juniper Mist network operations, including:

- Service Level Expectations (SLEs)/Juniper Mist Wireless Assurance
- Events and insights
- Alerts
- Radio resource management (RRM)

Demonstrate knowledge of wireless configuration or troubleshooting, including:

- SLE configuration
- SLE troubleshooting

Marvis Virtual Network Assistant

Identify the concepts or functionality of the Marvis Virtual Network Assistant, including:

- Reactive troubleshooting
- Proactive troubleshooting
- Marvis languages
- Marvis Actions
- Marvis Minis

Demonstrate knowledge of using Marvis Virtual Network Assistant, including:

- Reactive troubleshooting
- Proactive troubleshooting
- Marvis languages
- Marvis Actions
- Marvis Minis

Juniper Mist Location-based Services (LBS)

Identify the concepts or methods of LBS, including:

- Wi-Fi location
- Virtual Bluetooth Low Energy (vBLE)
- 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

JN0-452

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, see Recertification.

About Juniper Networks

Juniper Networks believes that connectivity is not the same as experiencing a great connection. Juniper's AI-Native Networking Platform is built from the ground up to leverage AI to deliver the best and most secure user experiences from the edge to the data center and cloud. Additional information can be found at Juniper Networks (www.juniper.net) or connect with Juniper on X (Twitter), LinkedIn, and Facebook.