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Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Introduction to Juniper Mist AI (IJMA)

CODE:	LENGTH:	PRICE:
JUN_IJMA	24 Hours (3 days)	£2,395.00

Description

This introductory three-day course serves as the springboard to understanding the Mist AI™ Full Stack offerings. This course provides students with a comprehensive understanding of a fully deployed, driven by Mist AI wired, wireless, and software-defined WAN (SD-WAN) network. In their lab environments, students will explore each Mist AI offering at a high level, focusing on wireless and Edge products, switching and campus design, SD-WAN connectivity, enterprise routing capabilities, deploying Juniper Mist™ Access Assurance, and Juniper® Location Service, driven by Mist AI™.
This course outlines Mist AI and how the full stack combines for complete AI-native networking. After completing this course, students can articulate the benefits and essential functions of the flexible, scalable, and distributed Mist AI architecture across their wired, wireless, and SD-WAN networks.

Objectives

• Describe the Juniper Mist™ cloud.
• Explain the key concepts, terminology, and configuration for the Juniper Mist Full Stack, including:
o Juniper Mist Wireless Assurance.
o Juniper Mist Wired Assurance.
o Juniper Mist WAN Assurance.
• Articulate key features in the Juniper Mist solutions, including:
o Marvis® Virtual Network Assistant, Marvis Actions, Marvis Minis
o Juniper Mist Network Analytics.
o Juniper Mist Premium Analytics.
o Juniper Mist Access Assurance (NAC).
o Juniper Mist Routing Assurance.
o Location Service, driven by Mist AI.
o Juniper Mist Edge.
o Juniper Secure Services Edge integrations.
o Juniper Apstra™ Cloud Services integration with Mist AI.

Audience

Individuals with a high-level understanding of the Mist AI Full Stack and Mist AI-Native Networking solutions. This course serves as the first step in the education track in the Juniper Mist™ curriculum.

Prerequisites

• Basic Junos OS knowledge
• Basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) reference model and the TCP/IP protocol suite
• Basic understanding of wireless technology
• Completion of the Getting Started with Networking e-learning course

Programme

DAY 1
Module 1: Introduction to Juniper Mist
• Outline Juniper Mist
• Describe Marvis and Marvis Minis
• Define Juniper Mist full stack

• Outline Juniper Mist services and solutions

Module 2: Introduction to Artificial Intelligence and the Juniper Mist AI-Native Network
• Describe the evolution of artificial intelligence
• Describe machine learning
• Describe Mist AI
• Describe the Juniper Mist cloud

Module 3: Introduction to Marvis VNA
• Describe Marvis VNA
• Describe Marvis Actions
• Provide an overview of the Marvis Conversational Assistant and the Marvis Query Language
• Describe Marvis Minis

Module 4: Juniper Mist—Accounts and Management
• Describe how to create and manage a Juniper Mist account
• Outline Juniper Mist management and administration
• Describe Juniper Mist e-mail alerts and notifications
• Outline Juniper Mist subscription options
Lab 1: Juniper Mist Portal and Initial Configuration

Module 5: Juniper Mist Wireless Assurance—Day 0 Expectations
• Define Day 0 expectations
• Outline the configuration of sites, WLAN templates, WLANs, and VLANs
• Describe RF templates and device profiles
• Explain SSID strategies for 802.1X, portals, and BYOD

Module 6: Juniper Mist Wireless Assurance—Deployment and Workflow
• Describe Day 1 expectations
• Define Juniper Access Points
• Describe how to onboard access points
• Outline Juniper Mist Wireless Assurance use cases

Module 7: Juniper Mist Wireless Assurance—Management and Monitoring
• Define Day 2+ expectations
• Define Juniper Mist Wireless Assurance
• Describe wireless insights, SLEs, and monitoring
• Describe how to view clients
• Describe Marvis Actions for Juniper APs
Lab 2: Wireless Assurance

DAY 2

Module 8: Juniper Mist Location Services—Capabilities and Use Cases
• Describe the use cases for Location Services
• Outline the Juniper Mist Location Service Devices
• Explain BLE
• Describe vBLE Engagement and virtual beacons
• Outline the features of Asset Visibility
• Explain Juniper Mist User Engagement

Module 9: Juniper Mist Wired Assurance—Day 0 Expectations
• Define Day 0 expectations
• Describe the Wired Assurance configuration hierarchy
• Outline wired configuration elements
• Describe how to configure VLANs and port profiles, and how to assign them
• Describe dynamic port profiles

Module 10: Juniper Mist Wired Assurance—Deployment and Workflow
• Define Day 1 expectations
• Explain Juniper Mist Wired Assurance and Wired Visibility
• Describe Juniper Mist Wired devices and Virtual Chassis
• Outline how to onboard switches
• Describe distributed enterprise deployments
• Compare traditional campus networks to EVPN-VXLAN campus fabrics
• Explain microsegmentation
• Outline the Juniper Mist EVPN Campus Fabric Wizard

Module 11: Juniper Mist Wired Assurance—Management and Monitoring
• Define Day 2+ expectations
• Describe wired insights, SLEs, and monitoring
• Describe Marvis Actions for Juniper switches
Lab 3: Wired Assurance

Module 12: Juniper Mist Access Assurance—Capabilities and Use Cases
• Describe the components of network access control
• Explain the features of Juniper Mist Access Assurance
• Describe the Juniper Mist Access Assurance use cases
• Describe authentication policies
• Describe posture compliance

Module 13: Juniper Mist Routing Assurance—Capabilities and Use Cases
• Outline Juniper Mist Routing Assurance features
• Describe Juniper Mist Routing Assurance use cases
• Describe the onboarding and configuration workflows for Day 0 and Day 1
• Explain WAN Monitoring SLEs and Day 2 Experiences
DAY 3
Module 14: Juniper Mist SD-WAN Capabilities and Use Cases
• Define SD-WAN
• Describe WAN Edge and Overlay
• Explain tunnel-free routing
• Outline platform considerations and deployment patterns
Module 15: Juniper Mist WAN Assurance—Deployment Workflow
• Outline the Juniper SD-WAN Intent Model
• Outline WAN Edge templates and hub profiles
• Describe Application Steering and SD-WAN policies
• Outline secure services edge integrations
Module 16: Juniper Mist WAN Assurance—Management and Monitoring
• Explain Session Smart SD-WAN SLEs
• Describe Marvis Actions and WAN Edge Insights for SD-WAN
• Outline WAN user experiences and application-based context
• Outline Customer Deployment Journey
Lab 4: WAN Assurance
Module 17: Juniper Mist Templatization, Variables, and Automation
• Define Juniper Mist templates
• Outline Wireless, Wired, and SD-WAN templating
• Describe Juniper Mist template deployment
• Describe Juniper Mist variables
Module 18: Juniper Mist API
• Explain API concepts
• Describe the Juniper Mist RESTful API
• Describe the Juniper Mist WebSocket API
• Describe the Juniper Mist Webhooks API
Module 19: Juniper Mist Documentation and Support
• Explain Juniper Mist documentation
• Outline how to create support tickets
• Explain feature requests
Lab 5: Troubleshooting and Juniper Mist Help

Follow on courses

RECOMMENDED NEXT COURSE
Deploying and Managing Juniper Wireless Networks with Mist AI, Deploying and Managing Juniper Wired Networks for Campus and Branch with Mist AI, or explore the Mist AI Learning Path

Test and Certification

RELATED CERTIFICATION
JNCIA-Mist AI

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
15 Jun 2026	Virtual Training Class - TP	BST	English	Instructor Led Online		£2,395.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.