

Introduction to Juniper Mist AI



COURSE OVERVIEW

This two-day introductory Juniper Mist Cloud training course is designed for network engineers and architects who use the Mist Cloud to build, manage, and maintain their wireless, wired, and WAN networks from anywhere—with a focus on wireless networks. It involves basic introductions to Mist features such as: Mist APIs, Marvis, location-based services, cloud services, and monitoring and analyzing the Mist Cloud platform, as well as hands-on labs with APs.

Students can connect to the Mist Cloud by connecting to the closest Juniper server in the cloud with the appropriate port configuration based on their location.

COURSE LEVEL

Foundational

AUDIENCE

Individuals responsible for onboarding and managing network equipment using Mist Cloud who are also interested in learning more about Marvis, location-based services, and cloud services

PREREQUISITES

- Basic understanding of the OSI model and the TCP/IP protocol suite
- Basic understanding of computer networking concepts
- Complete the [Getting Started with Wi-Fi](#) online course

RECOMMENDED NEXT COURSE

- [Juniper Wireless Networks with Mist AI](#)
- [Juniper Campus Networks with Mist AI](#)

RELATED JUNIPER PRODUCT

- Mist AI
- EX Series
- QFX Series
- SRX Series

ASSOCIATED CERTIFICATION

[JNCIA-MISTAI](#)

OBJECTIVES

- Describe Mist AI and the Mist Cloud.
- Describe the Mist AI Cloud features and devices.
- Connect to the Mist Cloud.
- Create and manage accounts in the Mist Cloud.
- Manage and configure the Mist Cloud general settings.
- Manage and configure the Mist Cloud secondary settings.
- Manage Mist access points.
- Configure Wired Assurance.
- Use Mist monitoring and analytics tools.
- Use Mist AI Marvis.
- Describe Mist location-based services and use cases.
- Use the Mist API.
- Explain the help options.

CONTACT EDUCATION SERVICES:

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COURSE CONTENTS

DAY 1

1	Course Introduction
2	Introduction to the Mist Management Cloud <ul style="list-style-type: none">Describe the evolution of AIDescribe machine learningExplain the advantages of Mist AIDescribe Mist Cloud
3	Mist Capabilities and Features <ul style="list-style-type: none">Describe the Mist Wireless Access featuresWAN EdgeDescribe the Mist Wired Access featuresDescribe the Mist WAN features
4	Introduction to the Mist Cloud User Interface <ul style="list-style-type: none">Examine the Mist Cloud User Interface Lab 1: Accessing the Mist Portal
5	Creating and Managing Mist Accounts in the Mist Cloud <ul style="list-style-type: none">Explain how to manage user accountsDescribe how to manage administrators Lab 2: Connecting to the Mist Cloud
6	Mist Initial Configuration <ul style="list-style-type: none">Describe how to create a Mist organizationExplain how to manage the Mist organization settingsDescribe how to create and manage a Mist siteDescribe WLAN TemplatesExplain how to configure support access Lab 3: Mist Initial Configuration
7	Mist Advanced Configuration <ul style="list-style-type: none">Explain how to add and manage Mist subscriptionsDescribe Mist certificatesExplain Mist single sign-onDescribe the management connectionExplain autoprovisioningDescribe Mist Managed Services ProviderExplain the Mist inventoryDescribe the Installer role

DAY 2

8	Mist Wireless Assurance <ul style="list-style-type: none">Describe onboard Mist access pointsDescribe manage Mist access points Lab 4: Mist Wireless Assurance
9	Mist Wired Assurance <ul style="list-style-type: none">Explain provisioning and managing switches in MistDescribe configuring switches in MistDescribe switch templates in Mist
10	Mist Monitoring and Analytics <ul style="list-style-type: none">Describe service-level expectations (SLEs)Explain Mist InsightsExplain manual packet capture collectionDescribe viewing alerts and audit logsDescribe viewing network statistics Lab 5: Mist Monitoring and Analytics
11	Introduction to Marvis <ul style="list-style-type: none">Describe Marvis ActionsExplain querying Marvis Lab 6: Introduction to Marvis
12	Mist Location-Based Services <ul style="list-style-type: none">Explain location-based service (LBS), its components, and methodsDescribe BLEDescribe vBLE and the Mist way of LBSDescribe LBS use cases
13	Mist API <ul style="list-style-type: none">Explain API conceptsDescribe the Mist RESTful APIDescribe the Mist WebSocket APIDescribe the Mist Webhooks API
14	Mist Help <ul style="list-style-type: none">Explain how to access the Mist help pageDescribe how to access the Mist documentation pageExplain how to find product update informationDescribe how to access the Juniper Mist discussion forum

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