Automating Juniper Mist AI Enterprise (AMAIE)

ID AMAIE **Price** US $ 5,000.—(excl. VAT) **Duration** 5 days

Who should attend

Individuals responsible for accessing and using Mist AI data for business intelligence and operations

This course is part of the following Certifications

Juniper Networks Certified Internet Professional Mist AI (JNCIP-MISTAI)

Prerequisites

- Basic networking (wired and wireless) knowledge
- Understanding of OSI reference model and the TCP/IP protocol suite
- Experience with Juniper Mist products and solutions
- Basic automation and scripting knowledge, Python knowledge recommended
- Completion of the following courses:
  - Introduction to Juniper Platform Automation and NetDevOps (IJAUT)
  - Deploying and Managing Juniper Wireless Networks with Mist AI (DMJWN)
  - Deploying and Managing Wired Networks for Campus and Branch with Juniper Mist AI (JCMA)
  - Deploying and Managing SD-WAN with Juniper Mist AI

Course Objectives

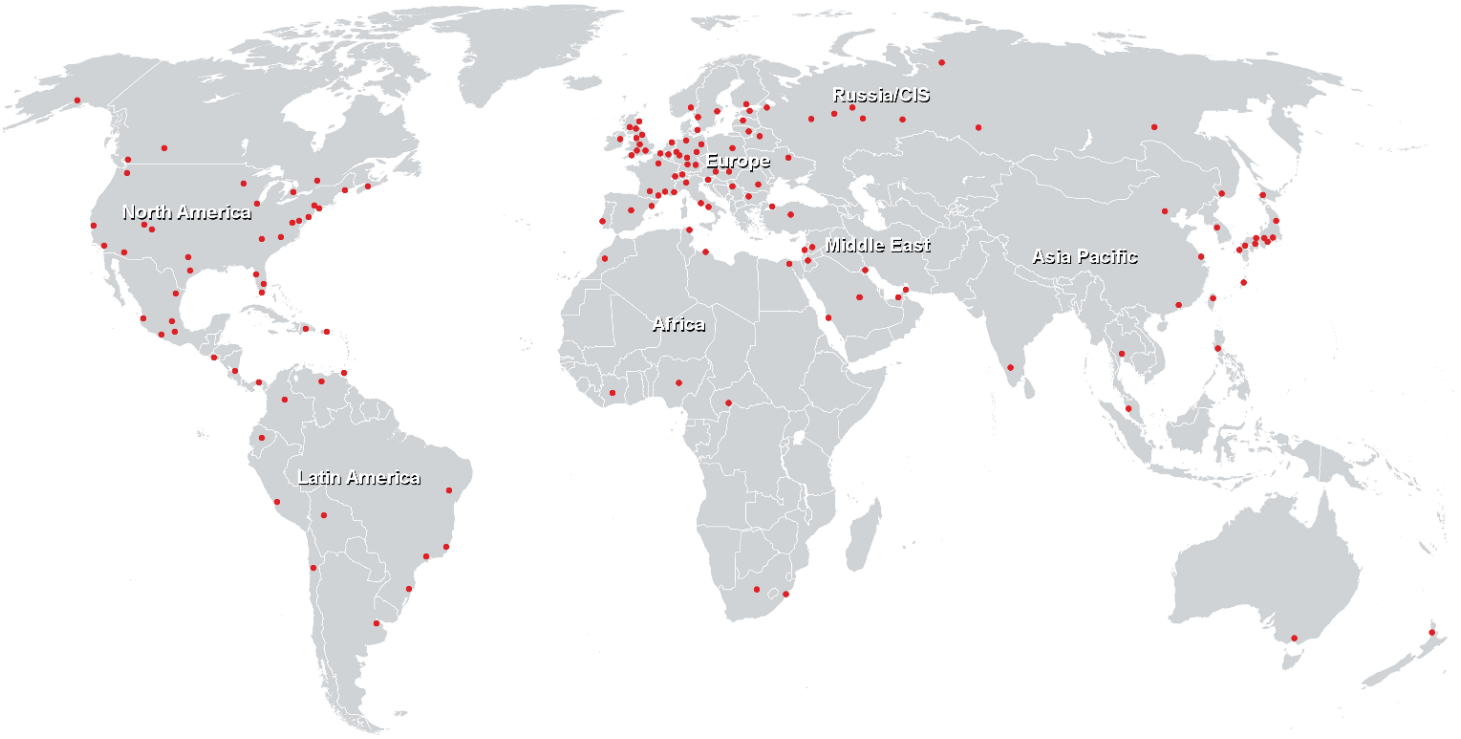
- Associate AIOps to the distributed enterprise network.
- Summarize the distributed enterprise network with Juniper Mist AI.
- Explain the automation options for Juniper Mist.
- Refresh your Python basics.
- Explain how JSON and YAML are used for automation.
- Describe data templating with Jinja2.
- Describe how JupyterLab is used.
- Evaluate REST API tools and their uses.
- Use the Juniper Mist REST API with Python.
- Automate Juniper Mist Day 1 operations with Python.
- Execute Juniper Mist configuration with webhooks.
- Summarize 802.1x and EAP authentication.
- Examine RADIUS configuration and integration with Juniper Mist.
- Review Juniper Mist Access Assurance.
- Integrate Juniper Mist Edge with Juniper Mist Access Assurance.
- Implement security to a distributed enterprise network with Juniper Mist.
- Deploy a distributed enterprise architecture.
- Manage Day 2+ operations with the Mist API.

Course Content

- Associating AIOps to the Distributed Enterprise Network
- Summarizing the Distributed Enterprise Network with Juniper Mist AI
- Automation Options for Juniper Mist
- Python Automation Toolkit, Part 1
- Python Automation Toolkit, Part 2
- Python Automation Toolkit, Part 3
- Evaluating REST API Tools and Their Uses
- Using the Juniper Mist REST API with Python
- Automating Juniper Mist Day 1 Operations with Python
- Executing Juniper Mist Configuration with Webhooks
- Summarizing 802.1x and EAP Authentication
- Examining RADIUS Configuration and Integration with Juniper Mist
- Reviewing Juniper Mist Access Assurance
- Integrating Juniper Mist Edge with Juniper Mist Access Assurance
- Implementing Security to a Distributed Enterprise Network with Juniper Mist
- Deploying a Distributed Enterprise Architecture
- Managing Day 2+ Operations with Juniper Mist

Automating Juniper Mist AI Enterprise (AMAIE)

Training Centres worldwide





Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch