∧∩∪⊓W | Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow Enterprise Computing Solutions Ltd, Part 1st Floor, Suite 1D/1, Central House, Otley Road, Harrogate, HG3 1UG

Email: educationteam.ecs.uk@arrow.com
Phone: 0870 251 1000

Deploying and Managing Juniper Mist Access Assurance (JMAA)

CODE:	LENGTH:	PRICE:
JUN_JMAA	16 Hours (2 days)	£1,650.00

Description

This two-day, intermediate-level course provides students with the knowledge to configure and monitor Juniper Mist™ Access Assurance. Key topics include the purpose of network access control (NAC); the Juniper Mist Access Assurance cloud architecture; Juniper Mist™ Edge authentication proxy; authentication, authorization, and accounting (AAA) components; 802.1X and Extensible Authentication Protocol (EAP) operations; RADIUS concepts; RADIUS over TLS (RadSec); authorization of 802.1X and non-802.1X devices; identity provider (IdP) integration; Juniper Mist Access Assurance authentication policies and methods; and integration with mobile device management (MDM).

The lab includes Juniper Mist Access Assurance, the Juniper Networks® EX4400 Switch, and the Juniper® AP45 High-Performance Access Point.

Deploying and Managing Juniper Mist Access Assurance is an intermediate-level course.

Objectives

• Describe the purpose of and the need for NAC.
• Explain the Juniper Mist Access Assurance cloud architecture.
• Discuss third-party device support with Juniper Mist Edge authentication proxy.
• Describe common use cases with Juniper Mist Access Assurance.
• Discuss Juniper Mist Access Assurance best practices.
• List AAA components.
• Discuss how the RADIUS protocol works.
• Describe RADIUS server attributes.
• Explain the functionality of RadSec.
• Explain 802.1X operations.
• Discuss the Juniper Mist Access Assurance 802.1X certificate and password authentication methods.
• Explain how Juniper Mist Access Assurance can authenticate devices that don't support 802.1X.
• Describe IdP integration with Juniper Mist Access Assurance.
• Explain how to configure Juniper Mist Access Assurance authentication policies with match labels and action labels.
• Discuss how to configure Juniper Mist Access Assurance authentication methods.
• Explain how to configure Juniper Mist Edge for the Juniper Mist authentication proxy function.
• Describe how to validate Juniper Mist Access Assurance access and authentication.
• Implement Juniper Mist Access Assurance with wired and wireless devices.
•Discuss Juniper Mist Access Assurance integration with MDM providers

Audience

Individuals responsible for implementing and monitoring Juniper Mist Access Assurance.

Prerequisites

• General understanding of TCP/IP.
• General understanding of security concepts.
• Completion of the *Introduction to Juniper Mist AI* course, which is recommended but not required.

Programme

DAY 1
Module 01: Understanding Network Access Control

•Describe the components of network access control
•Explain the history of network access control
•Explain Juniper Mist Access Assurance
Module 02: Juniper Mist Access Assurance—Overview
•Explain the cloud architecture
•Explain Juniper Mist-managed devices and requirements
•Describe third-party device support
•Describe the client use cases of Juniper Mist Access Assurance
•Describe the best practices of Juniper Mist Access Assurance
Module 03: RADIUS
•Explain the components of AAA
•Describe how RADIUS works
•Describe RADIUS Change of Authorization
Module 04: X.509 Certificates and PKI
•Describe the purpose and structure of X.509 certificates and PKI
Module 05: 802.1X and EAP Authentication

- Describe 802.1X operations
•Describe EAP operations
Module 06: Identity Provider Tools and Their Uses
•Review API tools and their uses
•Compare API tools and their use cases with the Juniper Mist API
Lab 01: Initial Lab Configuration

DAY 2
Module 07: Configuring Juniper Mist Access Assurance
•Describe authentication policy configuration
•Describe EAP-TLS configuration
•Describe EAP-TTLS configuration
Lab 02: Implementing Juniper Mist Access Assurance with 802.1X
Module 08: Non-802.1X Authentication
•Describe non-802.1X clients
•Describe MSPK authentication and configuration
•Describe client onboarding using the PSK Portal
•Describe MAB authentication and configuration
•Describe Juniper Mist Access Assurance endpoint management
Lab 03: Implementing Juniper Mist Access Assurance with non-802.1X
Module 09: Posture Compliance
• Provide and overview of posture compliance
• Describe Microsoft Intune integration
• Describe Jamf Pro integration
• Describe how to verify compliance
Module 10: Explain Juniper Mist Edge Integration
• Define the features and benefits of Juniper Mist Edge
• Describe the installation of Juniper Mist Edge
• Explain Juniper Mist Edge as a RADIUS server proxy
• Explain Juniper Mist authentication proxy
• Describe Access Assurance Site Survivability
• Summarize the DHCP relay service
• Review the Juniper Mist Edge management functions

Follow on courses

Deploying and Managing Juniper Wireless Networks with Mist AI

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
22 Jun 2026	Virtual Training Class - TP	BST	English	Instructor Led Online		£1,650.00
14 Sep 2026	Virtual Training Class - TP	BST	English	Instructor Led Online		£1,650.00

Additional Information

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