

## Juniper Configuring Unified Access Control

**Code:** CUAC

**Days:** 3

### **Course Description:**

This three-day course discusses the configuration of the Unified Access Control solution offered by Juniper Networks. Students will work with the solution elements—the Infranet Controller, the Infranet Enforcer, and the Infranet Agent—to configure secured access to network resources. Key topics include Unified Access Control deployment, basic implementation, and element configuration. Students will have the opportunity to apply their knowledge in several hands-on labs.

### **Course Summarize:**

#### Chapter 1: Course Introduction

#### Chapter 2: The UAC Solution

- Need for Unified Access Control
- UAC Components
- UAC Component Interaction
- Sample UAC Deployments

#### Chapter 3: Initial Configuration

- Infranet Controller Initial Configuration: Console
- Infranet Controller Initial Configuration: Admin UI
- Overlay Enforcer Initial Configuration
- Verification and Troubleshooting
- Lab 1: Initial Configuration

#### Chapter 4: The Access Management Framework

- Access Management Framework Elements

#### Chapter 5: Overlay Enforcement

- Layer 3 Secure Access Options
- Policy Type

#### Chapter 6: Configuring Overlay Enforcement

- Overlay Enforcement Configuration
- Verifying Operations
- Lab 2, Parts 1 and 2: Overlay Enforcement
- Configuring Additional Features
- Lab 2, Part 3: Guest Access and Additional Features

#### Chapter 7: Endpoint Security

- What Is Host Checker?

- Host Checker Configuration
- Remediation Options
- Lab 3: Endpoint Security

#### Chapter 8: Layer 2 Enforcement

- 802.1X Operations
- RADIUS Elements
- MAC Authentication

#### Chapter 9: Configuring Layer 2 Enforcement

- Configuring an 802.1X Authenticator
- Configuring 802.1X Support on the IC
- Configuring MAC Authentication
- Lab 4: Policy Configuration Using 802.1X

#### Chapter 10: Management and Troubleshooting

- Logging
- Monitoring
- Troubleshooting Component Communications
- Troubleshooting User Interactions
- Configuration File Management
- Lab 5: Logging and Troubleshooting

#### Chapter 11: Authentication Options

- The Authentication Process
- Configuring Authentication Servers
- Configuring Authentication Realms
- Lab 6: Authentication Options

#### Chapter 12: Integration

- IC Clustering
- NSM Integration
- STRM Integration
- IDP Integration
- Firewall Options
- NAP Interoperability