



EDUCATION SERVICES

AUTHORIZED PARTNER

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## CONFIGURING JUNIPER NETWORKS SECURE ACCESS

**Course No:** EDU-NS-CJSA

**Length:** Two days

### Course Overview

This two-day course discusses the configuration of Secure Access (SA) products in a typical network environment. Key topics include SSL access technologies, basic implementation, and configuration and management options. Through demonstrations and hands-on labs, students will gain experience in configuring, testing, and troubleshooting basic facets of the SA products.

### Objectives

After successfully completing this course, you should be able to deploy the SA products to support common environments. Specific topics include the following:

- Introduction to the SA platform
- Introduction to Secure Sockets Layer (SSL) Protocol and Public Key Infrastructure (PKI)
- Typical deployment scenarios
- SA Terminology
- Roles
- Role Restrictions
- Realms
- Resource Policies
- Sign-in Policies
- Authentication Servers
  - Local
  - Lightweight Directory Access Protocol (LDAP)
  - RADIUS (including two-factor)
  - NT
  - Network Information Service (NIS)
- Authentication Policies
- Host Checker
- Cache Cleaner
- Client/Server Support
  - J-SAM
  - W-SAM
  - Network Connect
- Troubleshooting

### Intended Audience

This course is intended for network engineers, support personnel, reseller support, and anyone responsible for implementing SA products.



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## **Course Level**

This is an introductory-level course.

## **Prerequisites**

This course assumes that students have moderate background in internetworking basics, security concepts, network administration, and application support.

## **Course Contents**

### **Day 1**

#### **Chapter 1: Course Introduction**

#### **Chapter 2: Products and Features**

- Secure Access Overview
- IVE Deployment Options
- Platforms and Feature Sets
- Access Methods

#### **Chapter 3: Technology and Terminology**

- IVE Access Methods
- IVE Platform Architecture
- IVE Terminology

#### **Chapter 4: Initial Configuration**

- Console Configuration
- Administrative U
- Lab 1: Initial Configuration

#### **Chapter 5: User Roles**

- Configuring User Roles
- Role Mapping
- Customizing the User Experience
- Lab 2: User Roles

#### **Chapter 6: Logging and Troubleshooting**

- Logs
- Troubleshooting Tools
- Lab 3: Logging and Troubleshooting



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## Day 2

### Chapter 7: Resource Policies

- What Is a Resource?
- Resource Policy Configuration
- Resource Policy Options
- Resource Profile Configuration
- Lab 4: Resources

### Chapter 8: Servers for Authentication

- The Authentication Process
- Configuring Authentication
- Lab 5: Authentication Servers and Realms

### Chapter 9: Client and Server Applications

- The Need for Client-Server Support
- Secure Application Manager
- Network Connect
- Telnet and SSH
- Terminal Services
- Lab 6: Applications

### Chapter 10: Endpoint Security

- The Juniper Endpoint Defense Initiative
- Configuring Host Checker
- Configuring Secure Virtual Workspace
- Configuring Cache Cleaner
- Configuring Authentication Policies
- Configuring Role Restrictions
- Lab 7: Endpoint Security