

JNCIE-SEC BOOT CAMP

DURATION: 5 DAYS

COURSE OVERVIEW

This five-day course is designed to serve as the ultimate preparation for the Juniper Networks Certified Internet Expert—Security (JNCIE-SEC) exam. The course focuses on caveats and tips useful for potential test candidates and emphasizes hands-on practice through a series of timed lab simulations. On the final day of the course, students are given a six hour lab simulation emulating the testing topics and environment from the real exam. This course is based on Junos OS Release 15.1X49-D50.3 for SRX Series devices. JNCIE Security Bootcamp (JNCIE-SEC) is an advanced-level course.

TARGET AUDIENCE

This course benefits individuals who have already honed their skills on enterprise security technologies and could use some practice and tips in preparation for the JNCIE-SEC exam.

COURSE OBJECTIVES

1. **After successfully completing this course, you should:**
2. Be better prepared for success in taking the actual JNCIE-SEC exam.
3. Be well-versed in exam topics, environment, and conditions.

COURSE CONTENT

Chapter 1: Course Introduction

Chapter 2: Exam Strategies

Preparing for Your Exam

The Testing Environment

State of the Network

Testing Tips

Exam Completion

Chapter 3: Infrastructure Concepts

NTP

Syslog

User Accounts and Authentication

Security Zones

Services

Infrastructure and Zones Lab

Chapter 4: Building Clusters

Chassis Clusters

Node/Redundancy/RETH Groups

Active/Passive vs. Active/Active

Failover

Creating Clusters Lab

Chapter 5: Security Policies

Policy Configuration

Advanced Policy Options

Schedulers

ALGs

Authorization

Bypass Flow Forwarding

Logging

Building Security Policies Lab

Chapter 6: IPsec VPNs

Policy-based IPsec VPNs

Route-based IPsec VPNs

NHTB

Dynamic Routing over IPsec VPNs

Certificate-based IPsec VPNs

Public Key Infrastructure

Traceoptions

Interoperability

Building IPsec VPNs Lab

Chapter 7: Network Address Translation

Source NAT

Destination NAT

Static NAT

Overlapping IP addresses

Proxy ARP

NAT Interaction with Security Policies

Network Address Translation Lab

Chapter 8: Attack Prevention

IDP Logging

IDP Custom Policies

IDP Automatic Updates

Stateless Filters

Flow Options

Attack Prevention Lab

Chapter 9: Unified Threat Management and Screen Options

Anti-virus

Web Filtering

Screen Options

UTM and Screen Options Lab

Chapter 10: Extended Implementation Concepts

Transparent Mode

Filter-based Forwarding

Extended Implementations Lab

Final Day

JNCIE-SEC Full Lab Simulation

COURSE PREREQUISITES

Students should have passed the Juniper Networks Certified Internet Professional—Security (JNCIP-SEC) written exam or achieved an equal level of expertise through Education Services courseware and hands-on experience.