

Juniper Network Certified Internet Associate



Juniper Networks Certified Associate - Junos (JNCIA-Junos) is the entry-level credential required to continue to the advanced certifications in our Junos certification tracks. Successful candidates demonstrate knowledge of the Juniper Networks Junos OS, networking fundamentals, and basic routing and switching. JNCIA is designed for experienced networking professionals with beginner-intermediate knowledge of networking, this written exam verifies the candidate's understanding of the Juniper Networks Junos OS, networking fundamentals and basic routing and switching.

Prerequisites:

Knowledge of TCP/IP Protocols

Hands on Experience with any operating system

JNCIA (Juniper Networks certified internet associate) 10 Days

Introduction to Juniper OS

Junos Operating System Fundamentals

- The Junos OS
- Traffic Processing
- Platforms Running the Junos OS

User Interface Options

- User Interface Options
- The Junos CLI: CLI Basics
- The Junos CLI: Operational Mode
- The Junos CLI: Configuration Mode
- Lab 1: The Junos CLI

Initial Configuration

- Factory-Default Configuration
- Initial Configuration
- Interface Configuration
- Lab 2: Initial System Configuration

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Secondary System Configuration

- User Configuration and Authentication
- System Logging and Tracing
- Network Time Protocol
- Archiving Configurations
- SNMP
- Lab 3: Secondary System Configuration

Operational Monitoring and Maintenance

- Monitoring Platform and Interface Operation
- Network Utilities
- Maintaining the Junos OS
- Password Recovery
- Lab 4: Operational Monitoring and Maintenance

Interface Configuration Examples

- Review of the Interface Configuration Hierarchy
- Interface Configuration Examples
- Using Configuration Groups

The J-Web Interface

- The J-Web GUI
- Configuration
- Lab 5 (Optional): The J-Web Interface

Juniper Routing Essentials

Routing Fundamentals

- Routing Concepts: Overview of Routing
- Routing Concepts: The Routing Table
- Routing Concepts: Routing Instances
- Static Routing
- Dynamic Routing
- Lab 1: Routing Fundamentals

Routing Policy

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- Routing Policy Overview
- Case Study: Routing Policy
- Lab 2: Routing Policy

Firewall Filters

- Firewall Filters Overview
- Case Study: Firewall Filters
- Unicast Reverse-Path-Forwarding Checks
- Lab 3: Firewall Filters

Class of Service

- CoS Overview
- Traffic Classification
- Traffic Queuing
- Traffic Scheduling
- Case Study: CoS
- Lab 4: Class of Service (Optional)

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