
Introduction to the Junos Operating System

Duration: 1 Days **Course Code: IJOS**

Overview:

The Introduction to the Junos Operating System (IJOS) course provides students with the foundational knowledge required to work with the Junos operating system and to configure Junos devices. The course provides a brief overview of the Junos device families and discusses the key architectural components of the software. Key topics include user interface options with a heavy focus on the command-line interface (CLI), configuration tasks typically associated with the initial setup of devices, interface configuration basics with configuration examples, secondary system configuration, and the basics of operational monitoring and maintenance of Junos devices.

Target Audience:

This course is designed for: Individuals responsible for configuring and monitoring devices running the Junos OS

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
 - Describe the basic design architecture of the Junos OS.
 - Identify and provide a brief overview of Junos devices.
 - Navigate within the Junos CLI.
 - Perform tasks within the CLI operational and configuration modes.
 - Restore a Junos device to its factory-default state.
 - Perform initial configuration tasks.
 - Configure and monitor network interfaces.
 - Describe user configuration and authentication options.
 - Perform secondary configuration tasks for features and services such as system logging (syslog) and tracing, Network Time Protocol (NTP), configuration archival, and SNMP.
 - Monitor basic operation for the Junos OS and devices.
 - Identify and use network utilities.
 - Upgrade the Junos OS.
 - Perform file system maintenance and password recovery on a Junos device.
 - Navigate within the Junos J-Web interface.
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Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Students should have basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) reference model and the TCP/IP protocol suite.

Testing and Certification

Recommended preparation for:

- JN0-101 - Introduction to the Junos Operating System IJOS and JRE are the courses required for the **Juniper Networks Certified Internet Associate (JNCIA)** Certification
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Follow-on-Courses:

- Junos Routing Essentials (JRE)

The above course is part of the **Juniper Networks Certified Internet Associate (JNCIA)** Certification

Content:

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

Initial Configuration

- Factory-Default Configuration
- Initial Configuration
- Interface Configuration

Secondary System Configuration

- User Configuration and Authentication
- System Logging and Tracing
- Network Time Protocol
- Archiving Configurations
- SNMP

Operational Monitoring and Maintenance

- Monitoring Platform and Interface Operation
- Network Utilities
- Maintaining the Junos OS
- Password Recovery

Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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