

Introduction to the Junos Operating System (IJOS)

Course Details

Course Outline

- 1. Chapter 1: Course Introduction**
- 2. Chapter 2: Junos Operating System Fundamentals**
 - The Junos OS
 - Traffic Processing
 - Platforms Running the Junos OS
- 3. Chapter 3: User Interface Options – The Junos CLI**
 - User Interface Options
 - The Junos CLI: CLI Basics
 - The Junos CLI: Operational Mode
 - The Junos CLI: Configuration Mode
- 4. Chapter 4: User Interface Options – The J-Web Interface**
 - The J-Web GUI
 - Configuration
 - Lab 1: The Junos CLI
- 5. Chapter 5: Initial Configuration**
 - Factory-Default Configuration
 - Initial Configuration
 - Interface Configuration
 - Lab 2: Initial System Configuration
- 6. Chapter 6: Secondary System Configuration**
 - User Configuration and Authentication
 - System Logging and Tracing
 - Network Time Protocol
 - Archiving Configurations
 - SNMP
 - Lab 3: Secondary System Configuration
- 7. Chapter 7: Operational Monitoring and Maintenance**
 - Monitoring Platform and Interface Operation
 - Network Utilities
 - Maintaining the Junos OS
 - Password Recovery
 - System Clean-up
 - Lab 4: Operational Monitoring and Maintenance

8. Chapter 8: Interface Configuration Examples

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

9. Chapter 9: Routing Fundamentals

- Routing Concepts: Overview of Routing
- Routing Concepts: The Routing Table
- Routing Concepts: Routing Instances
- Static Routing
- Dynamic Routing
- Lab 5: Routing Fundamentals

10. Chapter 10: Routing Policy

- Routing Policy Overview
- Case Study: Routing Policy
- Lab 6: Routing Policy

11. Chapter 11: Firewall Filters.

- Firewall Filters Overview
- Case Study: Firewall Filters
- Unicast Reverse-Path-Forwarding Checks
- Lab 7: Firewall Filters

12. Chapter 12: Class of Service

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- Traffic Classification
- Traffic Queueing
- Traffic Scheduling
- Case Study: CoS
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13. Chapter 13: JTAC Procedures

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14. Chapter 14: Juniper Security Concepts

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- Juniper's Security Focus
- Appendix A: IPv6 Fundamentals
- IPv6 Addressing
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- Configuration