

Details Course Outlines

Module-01

Networking Basic

- ✓ Introduction
- ✓ OSI Model
- ✓ TCP/IP vs OSI Model
- ✓ MAC Address
- ✓ VLANs
- ✓ Network Devices
- ✓ Introduction to IPv4
- ✓ Decimal to Binary Conversion
- ✓ Subnet Mask and it's importance
- ✓ Subnetting Example
- ✓ Knowledge Check
- ✓ Slides used in this course

Module-02

Junos Fundamentals

- ✓ Junos Software Architecture
- ✓ RE and PFE
- ✓ Protocol Daemons
- ✓ Transit and Exception Traffic
- ✓ Knowledge Check

Module-03

User Interfaces

- ✓ CLI Functionality & Modes
- ✓ CLI Navigation & Helps
- ✓ Output Levels
- ✓ Filtering Output
- ✓ Active vs Candidate Configuration
- ✓ Configure Command
- ✓ More Navigation Commands
- ✓ Configuration Hierarchy
- ✓ Junos Commit
- ✓ Junos Rollback
- ✓ Junos Configuration Files
- ✓ Junos Load Command
- ✓ J-Web
- ✓ Knowledge Check

Module-04

Configuration Basics

- ✓ Factory-default Configuration
- ✓ Initial Configuration
- ✓ Login Classes
- ✓ User Accounts
- ✓ Authentication methods
- ✓ Introduction to Interfaces
- ✓ Interface Naming Convention
- ✓ Interface Properties
- ✓ Interface Address Configuration
- ✓ Configuration Groups
- ✓ Introduction to System Logging
- ✓ Configuring Syslog
- ✓ Tracing
- ✓ Network Time Protocol
- ✓ SNMP
- ✓ Rescue Config
- ✓ Backups
- ✓ Knowledge Check

Module-05

Operational Monitoring

- ✓ System and Chassis Information
- ✓ Interface Monitoring - Stats and errors
- ✓ Network Utilities
- ✓ Junos Naming Convention
- ✓ Snapshots
- ✓ Upgrading Junos
- ✓ Unified ISSU
- ✓ Root Password Recovery
- ✓ Important Commands

Module-06

Routing Fundamentals

- ✓ Introduction to Routing
- ✓ Static vs Dynamic Routing
- ✓ Junos Routing
- ✓ Routing and Forwarding tables
- ✓ Route Preference
- ✓ Static Routing
- ✓ Dynamic Routing
- ✓ Routing Instances
- ✓ Knowledge Check

Module-07

Routing Policy and Firewall Filters

- ✓ Routing Policy Overview
- ✓ Default Routing Policies
- ✓ Building blocks of Routing Policy
- ✓ Routing Policy Example
- ✓ Prefix Lists
- ✓ Prefix List vs Prefix List Filter
- ✓ Route Filters
- ✓ Policy Chaining
- ✓ Applying Routing Policies
- ✓ Firewall Filters
- ✓ Configuring Firewall Filters
- ✓ Traffic Policing
- ✓ Unicast Reverse Path Forwarding
- ✓ Configuring Unicast Reverse Path Forwarding
- ✓ Conclusion
- ✓ Knowledge Check
- ✓ Bonus Lecture - Coupons for my top-rated courses!