Course Contents

Day 1

1: Course Introduction
2: Juniper Security Concepts
- Security Challenges
- Security Design Overview
- Juniper Connected Security

3: Juniper Connected Security – SRX Series Devices
- SRX Architectural Overview
- Traffic Processing
- J-Web Overview
- Initial Configuration
- Interface Configuration
- Lab 1: Initial Configuration

4: Security Objects
- Security Zone Objects
- Security Screen Objects
- Security Address Objects
- Security Services Objects
- Lab 2: Creating Security Objects with J-Web

5: Security Policies
- Security Policy Overview
- Security Policy Components
- Application Firewall with Unified Security Policies
- Security Policy Case Study
- Lab 3: Implementing Security Policies

Day 2

6: Security Services – IDP and User Firewall
- Introduction to IPS
- IPS Policy Components
- Configuring IPS Policies
- User Firewall Overview
- Configuring Integrated User Firewall
- Lab 4: Implementing Security Services

7: Security Services - UTM

- Content Filtering
- Web Filtering
- Antivirus
- Antispam
- Lab 5: Implementing UTM

8: Juniper Connected Security – Sky ATP
- Sky ATP Overview
- Sky ATP Features
- Sky ATP Setup
- Monitor Sky ATP
- Lab 6: Demonstrating Sky ATP

Day 3

9: Network Address Translation
- NAT Overview
- Source NAT
- Destination NAT
- Static NAT
- Lab 7: Implementing Network Address Translation

10: Site-to-Site VPNs
- IPsec Site-to-Site VPN Configuration
- IPsec Site-to-Site VPN Case Study
- Proxy IDs and Traffic Selectors
- Monitoring Site-to-Site IPsec VPNs
- Lab 8: Implementing Site-to-Site IPsec VPNs

11: Monitoring and Reporting
- Monitor Platform and Interface Operations
- J-Web Reporting options
- Lab 9: Using Monitoring and Reporting

Appendix A: SRX Series Hardware
Appendix B: Virtual SRX
Appendix C: Juniper Sky Enterprise
Appendix D: IPsec VPN Concepts