Advanced Juniper Networks IPSec VPN Implementations (AJVI)

Course Details

Course Outline

1. **Course Introduction**

2. **Screen OS VPN Basics Review**

   - VPN Review

   - Verifying Operations

   - VPN Monitor

3. **VPN Variations**

   - Dynamic Peers

   - Transparent Mode

   - Overlapping Addresses

4. **Hub-and-Spoke VPNs**

   - Concepts

   - Policy-Based Hub-and-Spoke

   - Route-Based, with No Policy, and NHTB

   - Route-Based with Policy

   - Centralized Control

   - Auto Connect-Virtual Private Networks

5. **Routing over VPNs**

   - Routing Overview

   - Configuring RIP

   - Configuring OSPF

   - Case Studies

6. Using Certificates

- Concepts and Terminology

- Configuring Certificates and Certificate Support

- Configuring VPNs with Certificates

7. Redundant VPN Gateways (Optional)

- Redundant VPN Gateways

- Other Options

- Demo: Redundant VPN Gateways

8. Generic Routing Encapsulation (Optional)

- Configuring GRE

9. Dial-Up IPSec VPNs

- Basic Dial-up Configuration

- Group IKE ID

- XAUTH and Shared IKE ID