

Nortel Networks Contivity VPN Overview

Course Number: NC101

Course Type: Leader Lead

Duration: 1 day

Tuition: \$400.00 USD - \$500.00 CAD

Course Description: This course is designed to aide the Department Managers, Sales Engineers, Sales Account Managers, network decision makers, and those seeking to gain the NNCSS to better understand the capabilities of the Nortel Networks Contivity Family. Through a series of interactive discussions and product demonstrations, the student learns the terminology, features, and functions of the Contivity Family of products.

Prerequisite: The student should have a basic understanding of data communications, specifically IP networks. Or Network Foundations Level I, Level II, and TCP/IP Fundamentals.

Audience: This course is for non-technical and technical professionals who are implementing, maintaining, or planning to use Contivity VPN switches as a security gateway between their private networks and/or between a private network and a public network. This includes Department Managers, Sales Account Mangers, Systems Engineers, Network Architects, Network Administrators, Firewall Administrators, Field Engineers, and any technical personnel preparing for their NNCSS certification.

Course Outline

Introduction to Networking

- The Internet Overview
- Intranets and Extranets
- IP-VPN Defined
- Typical VPN Models
- IP-VPN Applications

Network Security Concepts

- Issues and Risks
- Authentication
- Confidentiality
- Data integrity
- Attack Examples

VPN Tunnelling Overview

- How tunnelling works
- Examples of Tunnelling
- LAN-to-LAN tunnelling
- Tunnelling over IP
- Routing Issues
- VPN and Other Security Devices
- Routers vs. a VPN Device
- Compulsory vs. Voluntary Tunnels
- Tunnelling models

Contivity Overview

- Product Fit
- Overall Features
- Contivity Product Capabilities
- Product Matrix
- Management Access

Basic Configuration

- Required Information
- Contivity Utility Application
- Console CLI Usage
- HTTP access

Remote Access VPN

- Required Information
- Authentication Types
- Access Controls
- Tunnel Types
- Profiles
- Authentication Types
- Access Controls
- Split Tunnelling
- Tunnel Guard
- Product Demonstrations

Branch-to-Branch VPN

- Required Information
- Profiles
- Access Controls
- Tunnel Types
- Static Routes
- CLI configuration Process
- Profiles
- Authentication Types
- Access Controls
- Product Demonstrations

Routing

- Overview
- Supported Features
- Static Routes
- Dynamic Routes
- Displaying Routing information
- Default Routes
- DHCP Relay
- Displaying DHCP information
- Product Demonstrations

Conclusion

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