

# Nortel Alteon Application Switch & Configuration Administration

**Course Number:** NA101

**Course Type:** Leader Lead

**Duration:** 3 Days

**Tuition:** \$1,750 USD - \$1,950.00CDN

**Audience:** Individuals that need to provision and maintain the Nortel Networks' Alteon switches in a network should attend this course. This includes System Engineers, Network Architects, Network Administrators, Network Support Engineers, Field Engineers, and any personnel responsible for Alteon Application Switches.

**Prerequisite:** Experience with networking products such as bridges, switches, firewalls, and routers. Also, experience with Internet protocols such as TCP/IP, HTTP, and HTTPS is required. Otherwise the student should take the TCP/IP Fundamentals course.

**Course Description:** This course delivers a detailed coverage of the Nortel Network's Alteon Application Switches for installation and configuration in a network. The course begins with discussions at the introductory theory level of content/application switching. Discussion of the Nortel Networks' Alteon Application Switch features, functions, implementations, and operations follow. The students will then administer and configure the Application Switches in various configurations, which illustrate the web switches capabilities. This course is 70% hands-on and is the equivalent of Nortel's 7591C course.

## Course Outline

### Introduction to the Alteon

- Web Switch Definition
- Data Centre Issues
- Alteon Solutions
- Switching Overview
- Routing Overview
- Virtual LANs
- MultiLink Trunking
- Alteon Web Switch Features
- Alteon Web Switch Family

### Command Line Interface

- Interface Types
- Secure Switch Management
- Element Management System
- Browser Based Interface
- Menu Structure
- Enabling Telnet
- SNMP Support
- RMON
- Syslog
- Access Classes
- Switch Administration
- Setup Utility

### File System

- Alteon File System Overview
- Booting Configuration
- Loading Configurations
- Saving Configurations
- Useful Commands
- Storing and Retrieving Configurations
- Loading Software
- Upgrade Procedure
- Order of Configuration

### Server Load Balancing

- SLB Overview
- The need for SLB
- SLB Operation
- Types of SLB
- SLB Features
- Server and Client Processing
- SLB Frame Flow
- SLB – Frames – and Packets
- Configuration Components
- SLB Configuration Example
- Order of Process

### Global Server Load Balancing

- GSLB Overview
- DNS Overview
- GSLB Operation
- Proximity Tables
- Persistence
- GLSB Example

### Firewall Load Balancing

- Firewall Operation Overview
- Firewall Issues
- Alteon FWLB Implementations
- Basic FWLB Operation
- Basic FWLB Concepts
- Hash Metrics
- Health Checks
- Static Routing
- Basic FWLB Example

### High Availability

- Overview
- HA Examples