

# OmniSwitch 8800, 7000, and 6600 series

## Configuration and Management (6001)



**REFERENCE** : DT00TE610US

**LANGUAGE** : ENGLISH

**DELIVERY METHOD** : c-learning

**DURATIONS** :

**C**  
3 days

**I**

**V**

**PARTICIPANTS** : 6 Min - 12 Max

*Part of the certifying curriculum up to :* **ACSP**

*Who should attend this course ?*

- Networks and technical support engineers, technicians, network operators

*Prerequisites :*

- Basic knowledge of Ethernet, IP and IP related protocols as well as IPX routing principles.
- DT00CD609 (CBT 2001) Alcatel OmniSwitch 8/7/6600 series Basics
- It is also recommended that the participant take and pass the Alcatel Certified Switch Professional exam after completing the CBT course to insure mastery of information.

*Main course objectives :*

- **3-day instructor-led, hands-on course covering the OmniSwitch 8800, 7000 series, and 6600 Family of products. Topics include technical specifications, basic configurations, and management issues.**
- Overview:
- This is the second course in the Alcatel Certified Switch Expert certification program on the OmniSwitch Release 5 family of products. Course DT00CD609 (2001) Introduction to OmniSwitch 8800, 7000 series, and 6600 Series : Specifications,, Configuration, and Management), a computer-based training course on CD, represents the first in the series and is a required prerequisite to this course.
- The in-class instruction briefly reviews the DT00CD609 and covers the concepts needed to configure, improve and tune network performance and scalability through switching, routing, security, VLANs, and other services provided by the OmniSwitch family of products.



- The primary benefit of this course is the laboratory exercises. During the labs, the instructor will guide attendees through the installation, configuration, and support of the OmniSwitch products. During the lecture portion of the day, discussion will cover the configuration of the services available on the OmniSwitch including basic operation such as switching, routing, and link aggregation. Additionally, enhanced features such as 802.1q, security, load balancing, and QoS capabilities will be covered.
- Ample lab time allows the student to experiment with features of the OmniSwitch that are of special interest to them. There is also an opportunity to build a multi-switch network incorporating VLANs, bridging, routing, and link aggregation, as well as troubleshooting problems inserted into that network by the instructor.
- What You Will Learn:
- Hands-on instruction concerning core configuration features of the OmniSwitch family of products. Including:
  - Navigation of the operating system and familiarization with the CLI and WebView configuration tools.
  - Labs configured to demonstrate the Layer-Two and Layer-Three capabilities of the OmniSwitch. This includes features such as VLANs, bridging, link aggregation, and routing.
  - Security features of the OmniSwitch family, including switch security as well as network security and Access Control Lists
  - Fine-tuning techniques to maximize network performance and gather statistics.
  - The majority of lab exercises can be completed using either the CLI or the built in Web interface called WebView.

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*c-learning*

*l-learning*

*v-learning*

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Laboratory exercises include:

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Familiarization with chassis components and switching modules.	✓
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Examine boot sequence and navigate operating system via CLI commands.	✓
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Determine the current revision of the operating system and software modules.	✓
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Enable switch for remote access via Web browser and Telnet.	✓
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Load new operating code into the 7000 Series OmniSwitch using FTP and zmodem.	✓
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Interface with the switch via the User Interface, telnet or FTP sessions.	✓
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Enable switch security.	✓
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Configure VLANs and VLAN rules for static and dynamic port association.	✓
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Configure Network security using external authentication and VLAN binding rules.	✓
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Interconnect switches and observe spanning tree	✓
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Configure Link Aggregation, both static and dynamic. Configure 802.1q.	✓
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Learn the basics of configuring basic routing.	✓
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Define and configure Access Control Lists.	✓
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Configure the switch for Server Load Balancing.	✓
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Learn to administer MAC addresses on the switch.	✓
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Interconnect switches and configure Interswitch protocols.	✓
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Learn about diagnostic and troubleshooting tools. Investigate SNMP, RMON, and WebView network management tools	✓
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