



CCNP

Switching (SWITCH)

Course Description

CCNP: Switching is one of three courses leading to the Cisco Certified Network Professional (CCNP®) designation. CCNP: Switching teaches students to plan, configure, and verify the implementation of complex enterprise switching solutions using Cisco Enterprise Campus Architecture. The course also covers secure integration of VLANs, WLANs, voice, and video into campus networks.

Prerequisites

Cisco CCNA® certified

Who should attend this course?

The course is appropriate for enterprise network engineers with at least one year of job experience who are ready to advance their skills and work independently on complex network solutions.

Certification Alignment

Part of the official CCNP curriculum, it covers the skills that are validated in the CCNP certification exam 642-813 SWITCH.

Duration

5 days (full time)
9:00am – 5:30pm Monday to Friday

Outcome

Upon completion of this course, students will have performed tasks related to:

- Analysing Campus Network Designs
- Implementing VLANs in Campus Networks
- Implementing Spanning Tree
- Implementing Inter-VLAN Routing
- Implementing First Hop Redundancy in a Campus Environment
- Implementing a Highly Available Network
- Integrating Wireless LANs into a Campus Network
- Accommodating Voice and Video in Campus Networks

Course Content

The course consists of theory lessons and practical exercises that build your understanding of and experience in troubleshooting in complex, enterprise routed and switched IP networks.

- Module 1: Planning Tasks for the CCNP Switching Exams
- Module 2: Switch Operation
- Module 3: Switch Port Configuration
- Module 4: VLANs and Trunks
- Module 5: VLAN Trunking Protocol
- Module 6: Aggregating Switch Links
- Module 7: Traditional Spanning Tree Protocol
- Module 8: Spanning-Tree Configuration
- Module 9: Protecting the Spanning Tree Protocol Topology
- Module 10: Advanced Spanning Tree Protocol
- Module 11: Multilayer Switching
- Module 12: Enterprise Campus Network Design
- Module 13: Layer 3 High Availability
- Module 14: IP Telephony
- Module 15: Integrating Wireless LANs
- Module 16: Securing Switch Access
- Module 17: Securing with VLANs

For more information on all our courses please visit our website www.inspiredtraining.com.au and if you need to speak to one of our advisers email enquiries@inspiredtraining.com.au