



Certificate of Course Completion

Cisco | Networking Academy®
Mind Wide Open™

CCNA 3 Switching Basics and Intermediate Routing

During the Cisco® Networking Academy course, administered by the undersigned instructor, the student was able to proficiently:

- Use Variable Length Subnet Masking (VLSM) techniques to design and implement effective and efficient IP addressing
- Describe, configure, verify, analyze, and troubleshoot the RIP v2 and EIGRP routing protocols.
- Describe the concepts and techniques of link-state routing and compare and contrast with distance vector routing.
- Describe, configure, verify, analyze, and troubleshoot the OSPF protocol in a single area mode of operation.
- Troubleshoot routing protocol problems, specifically using and interpreting the show and debug commands.
- Describe and compare the concepts, operations and techniques used within Ethernet switched LANs.
- Describe, configure, and administer Cisco LAN Switches.
- Design a simple LAN using layered techniques.
- Compare and contrast various forms of redundancy built into networks, and describe the operation and implementation of the spanning-tree algorithm.
- Describe, configure, administer, and troubleshoot VLANs, InterVLAN Routing and VLAN Trunking.

Pascal Schumacher

Student

TGBBZ Dillingen

Academy Name

Dillingen

Location

Thiel, Werner

Instructor

September 16, 2009

Date

Instructor Signature