Cisco Networking Academy®

Mind Wide Open™

Certificate of Course Completion

CCNA Exploration: Routing Protocols and Concepts

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

- Describe the purpose, nature and operations of a router and routing tables
- Describe, configure and certify router interfaces
- Explain the purpose and procedure for configuring static routes
- Identify the characteristics of distance vector routing protocols
- Describe the network discovery process of distance vector routing protocols using Routing Information Protocol (RIP)
- Describe the functions, characteristics, and operations of the RIPv1 protocol
- Compare and contrast classful and classless IP addressing
- Describe classful and classless routing behaviors in routed networks
- Design and implement a classless IP addressing scheme for a given network
- Demonstrate comprehensive RIPv1 configuration skills
- Describe the main features and operations of the Enhanced Interior Gateway Routing Protocol (EIGRP)
- Describe the basic features and concepts of link-state routing protocols
- Describe the purpose, nature and operations of the Open Shortest Path First (OSPF) protocol

Camillus Konkwo

Student

Vienna_North GRG22

Academy Name

Austria

Location

Walter Konrad

Instructor

Jul 1, 2015

Date

Instructor Signature

ALLGEMEINBILDENDE HÖHERE SCHULE
1220 Wien, Theodor Kramer-Straße

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CCNA Routing and Switching: Introduction to Networks

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

- Understand and describe the devices and services used to support communications in data networks and the Internet
- Understand and describe the role of protocol layers in data networks
- Understand and describe the importance of addressing and naming schemes at various layers of data networks in IPv4 and IPv6 environments
- Design, calculate, and apply subnet masks and addresses to fulfill given requirements in IPv4 and IPv6 networks
- Explain fundamental Ethernet concepts such as media, services, and operations
- Build a simple Ethernet network using routers and switches
- Use Cisco command-line interface (CLI) commands to perform basic router and switch configurations
- Utilize common network utilities to verify small network operations and analyze data traffic

Camillus Konkwo
Student

Vienna_North GRG22
Academy Name

Austria
Location

Walter Konrad
Instructor

Jun 29, 2016
Date

Instructor Signature

ALLGEMEINBILDENDE HÖHERE SCHULE Wien, Theodor Kramer-Straße 1220

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CCNA Routing and Switching: Scaling Networks

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

- Understand, configure, and troubleshoot enhanced switching technologies such as VLANs, Rapid Spanning Tree Protocol (RSTP), Per VLAN Spanning Tree Plus Protocol (PVST+), and EtherChannel
- Understand, configure, and troubleshoot first hop redundancy protocols (HSRP) in a switched network
- Understand, configure, and troubleshoot wireless routers and wireless clients
- Configure and troubleshoot routers in a complex routed IPv4 or IPv6 network using single-area OSPF, multiarea OSPF, and Enhanced Interior Gateway Routing Protocol (EIGRP)
- Manage Cisco IOS® Software licensing and configuration files

Camillus Konkwo

Student

Vienna_North GRG22

Academy Name

Austria

Location

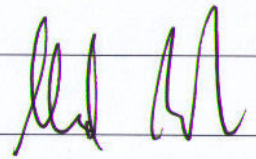
Walter Konrad

Instructor

Jun 14, 2017

Date

Instructor Signature



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IT Essentials

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

- Define information technology (IT) and describe the components of a personal computer
- Describe how to protect people, equipment, and environments from accidents, damage, and contamination
- Perform a step-by-step assembly of a desktop computer
- Explain the purpose of preventive maintenance and identify the elements of the troubleshooting process
- Install and navigate an operating system
- Configure computers to connect to an existing network
- Install and share a printer
- Upgrade or replace components of a laptop based on customer needs
- Describe the features, characteristics, and operating systems of mobile devices
- Implement basic hardware and software security principles
- Apply good communication skills and professional behavior while working with customers
- Perform preventive maintenance and advanced troubleshooting
- Assess customer needs, analyze possible configurations, and provide solutions or recommendations for hardware, operating systems, networking, and security

Camillus Konkwo
Student

Vienna_North GRG22
Academy Name

Austria
Location

Walter Konrad
Instructor

Jun 26, 2014
Date

Instructor Signature

ALLGEMEINBILDENDE HÖHERE SCHULE Wien, Theodor Kramer-Straße 1220