



Certificate of Course Completion

CCNA Exploration: Network Fundamentals

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

- Explain how communication works in data networks and the Internet
- Recognize the devices and services that are used to support communications across an internetwork
- Explain the role of protocols in data networks
- Describe the importance of addressing and naming schemes at various layers of data networks
- Describe the protocols and services provided by the application layer in the OSI model and describe how this layer operates in sample networks
- Analyze the operations and features of the transport layer protocols and services
- Analyze the operations and features of the network layer protocols and services and explain the fundamental concepts of routing
- Design, calculate, and apply subnet masks
- Describe the operation of protocols at the OSI data link layer
- Explain the role of physical layer protocols and services
- Build a simple Ethernet network using routers and switches
- Use Cisco CLI commands to perform basic router and switch configuration and verification

Zdenek Cerovsky

Student

Přirodovědecká fakulta UJEP

Academy Name

Ústí nad Labem

Location

Jelinek, Jindrich

Instructor

June 11, 2009

Date

Instructor Signature

UNIVERZITA J. E. PURKY

v ÚSTÍ NAD LABEM

Přirodovědecká fakulta

Katedra informatiky

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