



# 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

**Michał Jucha**

Student

**Zespół Szkół Zawodowych im. Króla Jana III Sobieskiego w Przeworsku**

Academy Name

**Poland**

Location

**Krzysztof Mucha**

Instructor

**2016-04-29**

Date

Instructor Signature