



# CCNA Routing and Switching: Introduction to Networks

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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

**Nizam Galih Yudhistira**

Student

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**ST3 Telkom Purwokerto**

Academy Name

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**Indonesia**

Location

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**Eko Fajar Cahyadi**

Instructor

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**Jun 23, 2016**

Date

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Instructor Signature

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