



# 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

**Irfan Nur Aziz**

Student

---

**ST3 Telkom Purwokerto**

Academy Name

---

**Indonesia**

Location

---

**Eko Fajar Cahyadi**

Instructor

---

**Jun 22, 2016**

Date

---

Instructor Signature

---