Designing and Deploying Computer Networks (DDCN)

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Dr. Hosein F. Badran
Senior Director, Internet Growth and Trust
badran@isoc.org
Target Audience

Introductory course in networking fundamentals targeting
- Junior engineers
- Fresh graduates
- Individuals starting a career in networking
Course objectives

• Understand how the Internet works (routing, DNS etc.), what a network is, the TCP/IP Suite and Network Standard organizations.

• Understand the components of a network, and differentiate between LAN, MAN and WAN.

• Understand the LAN technologies (Network devices, cable, and wireless), then design and install small LAN infrastructure.

• Connect the LAN to the Internet using the most common Internet services through mobile, ADSL, and Fibre.

• Troubleshoot small LANs and Internet connections.
Course description

The course contains theoretical and practical components and starts with the **fundamentals of networking**, **Ethernet**, as well as **Wi-Fi technologies**. It continues with the **planning, designing, and deployment of simple LANs**, covering the most common ways to connect a LAN to the Internet (Mobile Internet, ADSL, Fiber) and how to set up the connections.

In addition, the course covers the most **common maintenance issues** and addresses how to solve them.

The course does not include the planning, design and deploying of LANs that require other **advanced equipment or concepts**.
Upcoming Course Offerings

Course offered once per quarter:

• Quarter 3 - September 11th - October 20th

• Quarter 4 - October 23rd - December 1st
The ASK

- Publicize the course with your networks of
  - Junior engineers
  - Fresh graduates
  - Individuals starting a career in networking

- Help reach local universities and colleges

- Identify tutors for face-to-face offerings
Thank you.

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