



5 Courses

**Internet Connection: How to Get Online?**

**Network Protocols and Architecture**

**Data Communications and Network Services**

**Home Networking Basics**

**Introduction to Cisco Networking**



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**Mahmoud Elsherif**

has successfully completed the online, non-credit Specialization

## Cisco Networking Basics

Congratulation! You have just completed a five course specialization focused on how computer networks work. You were able to: 1) Explain how end-user devices and local networks interact with the global Internet. 2) Explain the requirements for network connectivity. 3) Build a small network using an integrated network router. 4) Explain the importance of IP addressing. 5) Explain how the protocols of the TCP/IP suite enable network communication. 6) Configure an integrated wireless router and wireless clients to connect securely to the Internet. 7) Configure basic network security. 8) Build a simple computer network using Cisco devices. 9) Troubleshoot common network issues found in home and small business networks.

Telethia Willis  
Cisco Networking  
Academy Learning &  
Development  
Cisco Systems, Inc.

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