Mindluster Platform

About the course Networking fundamentals for beginners

Networking fundamentals course, in this course we will learn about the Networking fundamentals. You'll explore the basic concepts and principles that underpin computer networking, including how networks are designed, managed, and secured. The course covers essential topics such as network types (LAN, WAN, WLAN), key components (routers, switches, access points), and the protocols that govern data transmission (like TCP/IP). You'll also learn about IP addressing, subnetting, and the OSI model, which organizes network functions into distinct layers. Additionally, the course addresses network security, including how to protect against threats and vulnerabilities. By the end of this course, you'll have a solid foundation in networking, making it ideal for beginners and IT professionals seeking to enhance their understanding of how networks operate and how to manage them effectively.

Computer Science Category's Courses

Course Lesson(14)

Lesson 1 : **Intro to Networking**

Lesson 2 : **Terms You Need to Know in Networking**

Lesson 3 : **How to Read a Topology Diagram with Physical Devices**

Lesson 4 : **How Networks Work**

Lesson 5 : **How Application Layer Services Work**

Lesson 6 : **How to Verify DNS and HTTP**

Lesson 7 : **A Story about the TCP IP Protocol Stack**

Lesson 8 : **How Ethernet Addresses Work**

Lesson 9 : **How Address Resolution Protocol ARP Works**

Lesson 10 : **How L2 Switches Use MAC Addresses**

Lesson 11 : **What You Need to Know about IPv4**

Lesson 12 : **How Devices Talk to Other Devices over the Internet**

Lesson 13 : **How Dynamic Host Configuration Protocol DHCP Works**

Lesson 14 : **How to Get Into Networking**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory



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