



CompTIA
Network+ 01
Network
Fundamentals
STUDY PLAN

MAALINKA 1AAD

OSI MODEL LAYERS

1. What is a Network?
2. Open Systems Interconnection (OSI) Model

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CONFIGURE SOHO NETWORKS

1. SOHO Networks
2. Configure SOHO networks (D-Link Router)
3. Hexadecimal Notation

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ETHERNET STANDARDS

1. Network Data Transmission
2. Ethernet Standards
3. Media Access Control and Collision Domains

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COPPER AND FIBER OPTIC CABLING TYPES

1. Copper Cabling Types
2. Twisted Pair Connector Types
3. Making RJ-45 Cable
4. Fiber Optic Cabling Types
5. Fiber Optic Connector Types

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DEPLOY ETHERNET CABLING

1. Structured Cabling System
2. Cable Management
3. Making Patch Cable
4. Connecting Devices to a Switch

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NETWORKING DEVICES

1. Repeaters, Hubs, and Media Converters
2. Bridges
3. Layer 2 Switches

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NETWORK INTERFACES

1. Network Interface Cards (NIC)
2. Media Access Control Address Format
3. Packet Sniffers, Taps, and Tools

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ETHERNET SWITCHING FEATURES

1. Ethernet Switch Types
2. MAC Address Table, Port Aggregation, and Port Security
3. Port Mirroring, Jumbo Frame, Flow Control and PoE.

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NETWORK TROUBLESHOOTING METHODOLOGY

1. Network Troubleshooting Methodology
2. Troubleshoot Common Cable Connectivity Issues
3. Virtualization Basics

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GUNAANAD KA KOORSADA

1. CompTIA Network+ Learning Path
2. CompTIA Network+ Exam