



# CompTIA

## Network+ 04

Network Security Basics

STUDY PLAN

## **MAALINKA 1AAD**

### **SECURITY CONCEPTS**

1. Security Concepts
2. Vulnerability, Threat, and Risk
3. Security Risk Assessments
4. Vulnerability and Exploit Types
5. Threat Types and Assessment
6. Penetration Testing
7. Privileged Access Management

## **MAALINKA 2AAD**

### **AUTHENTICATION METHODS**

1. Authentication Methods and Access Controls
2. Multifactor and Two-Factor Authentication
3. Local Authentication and Single Sign-on
4. Extensible Authentication Protocol and IEEE 802.1X
5. Lightweight Directory Access Protocol

## **MAALINKA 3AAD**

### **TYPES OF ATTACKS**

1. General Attack Types
2. On-path Attacks
3. DNS Poisoning Attacks
4. VLAN Hopping Attacks
5. Wireless Network Attacks
6. Distributed DoS Attacks and Botnets

7. Malware and Ransomware Attacks
8. Password Attacks
9. Human and Environmental Attacks

## **MAALINKA 4AAD**

### **SECURITY APPLIANCES**

1. Network Segmentation Enforcement
2. Screened Subnets
3. Firewall Uses and Types
4. Proxy Servers
5. NAT and PAT
6. Defense in Depth
7. Intrusion Detection and Prevention Systems

## **MAALINKA 5AAD**

### **PHYSICAL SECURITY METHODS**

1. Badges and Site Secure Entry Systems
2. Physical Security for Server Systems
3. Detection-Based Devices
4. Asset Disposal
5. Employee Training