

COURSE OUTLINE: Network Security Basics



ASSOCIATED CERTIFICATIONS
Extreme Certified Associate



COURSE DURATION
1 hour 20 minutes



DELIVERY METHOD
Video on demand (VOD)

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COURSE OVERVIEW

In this series we look at understanding the basics of network security.

Network Security refers to the measures and practices designed to protect a computer network from unauthorized access, attacks, and damage. Throughout this series you will learn how implementing hardware and software technologies safeguard data integrity, confidentiality, and availability.

We will also cover the role of firewalls, intrusion detection systems, encryption, hashing etc. Finally, you will get a great understanding of the importance of Zero Trust Network Access and how this is incredibly important security concept works.

WHO SHOULD ATTEND

This course is designed for individuals who are new to the field of network security and management or those who have some basic experience and want to enhance their knowledge and sales skills.

COURSE OBJECTIVES

Upon completion of this course, you will understand the basic concepts of network security, why it's so important to organisations as well as the language used in security conversations.

You will also be able to successfully complete the FREE certification exam which will award you the Extreme Certified Associate in **Network Security Basics** digital badge.

Display your digital badge on your LinkedIn profile to demonstrate your credibility, your commitment to continuous learning and growth, enhanced visibility, and potential networking opportunities.

AGENDA

EP 1

In this episode we open the conversation with what's changed in the security space, and how this impacts businesses and our personal lives today.

- What's changed in the security industry?
- The Definition
- Who's responsible for Network Security?
- CIA (No, not that organization)

EP 2

What exactly is 'Risk' and why is it so important to understand when it comes to Network Security?

- Defining risk
- Why is Risk important?
- Consequences of Non-Compliance

We also cover

- Intrusion Detection and Intrusion Prevention systems (IDS & IPS)
- Encryption and Decryption

EP 3

Get to grips with the confusing world of security acronyms. In addition we cover

- Firewalls
- Further Acronyms

EP 4

Hashing is how we guarantee that digital content can be moved across networks without being tampered with. There's a demo to show this in operation.

In addition:

- Digital signatures
- MACSec
- Network Security Management Complexity is NOT the answer

EP 5

What does a good security program look like? In this episode we look at how Zero Trust Network Access (ZTNA) is one of the better approaches when it comes to securing a network.

- Security in layers
- Zero Trust Network (ZTNA)