



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

55374: Fundamentals of Cybersecurity and Zero Trust

Duration: 1 Day

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

In this course, participants will begin to understand the complexities of cybersecurity, including the cybersecurity landscape and cryptography. Participants will also be shown how users, devices, applications, and networks can influence the effectiveness of the security perimeter. They will then see how the use of a Zero Trust framework as an overarching strategy can bolster and improve their cybersecurity perimeter.

Target Audience

This course is intended for:

- Novice and experienced IT professionals who are interested in expanding their knowledge and awareness of cybersecurity.

Prerequisites

To attend this course, candidates must have:

- Basic awareness of IT, devices, and applications.



Microsoft Partner

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Course Objectives

Upon successful completion of this course, attendees will be able to:

- Understand and describe the cybersecurity landscape.
- Discuss how encryption works, and understand its broader uses in protecting data.
- Describe the differences between authentication and authorization.
- Describe different network types, the network threat landscape, and how to protect them from cyberattacks.
- Understand what a device is, how much a device knows about you, and how to reduce possible threats.
- Understand how applications can be exploited to gain access to data and assets.
- Describe the benefits of using a Zero Trust strategy to protect an organization's digital estate.

Course Topics

Module 1: Fundamentals of Cybersecurity

- An Overview of Cybersecurity
- Encryption and Its Uses in Cybersecurity
- Verify Users and Control Their Access
- Protect Network and Data
- Every Device Is An Attack Vector
- Application Vulnerabilities

Module 2: Fundamentals of a Zero Trust Strategy

- What is a Zero Trust Strategy?
- Identity and Manage Users with Zero Trust
- Manage Endpoints with Zero Trust
- Control Application Behavior with Zero Trust
- Protect Networks Using Zero Trust
- Secure Data with Zero Trust

LABS INCLUDED



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