

Managing Identity

Modality: Self-Paced Learning

Duration: 12 Hours

SATV Value:

CLC:

NATU:

SUBSCRIPTION: Learn, Master

About this course:

With identity as the new perimeter in today's security landscape, it's important to keep up on the latest ways to manage it. Identity—which defines what protocols you're allowed to use, who you're allowed to interact with, and what you're allowed to do—has evolved significantly in the last few years.

In this security course, go beyond the firewall and ports, and learn practical steps and prescriptive guidance on identity management, based on proven, real-world experience from Microsoft Incident Response teams.

Start with a conceptual look at identity, explore Active Directory best practices, find out how to secure Azure Active Directory, and then get hands-on with a combination of videos, text, and hosted labs.

You will create a protective bastion host for an existing domain, configure Privilege Access Management (PAM) and Just in Time Administration (JIT), install JRE, and set up Microsoft Identity Manager. With successful course completion, you will understand the hows and whys of improving the security posture of your environment, and get started implementing and managing identity as part of your cybersecurity defense plan.

Course Objective:

- How identity is the new control plane, the perimeter that is replacing the firewall.
- The recommended steps to secure Active Directory.
- Azure Security Architecture and the Identity Federation and access solutions supported by Azure architecture.
- How Kerberos and Privilege Attribute Certification function.

Audience:

- IT Support officer
- Cybersecurity officer
- Cybersecurity professional

Prerequisite:

- Experience with Windows Client administration, maintenance and troubleshooting.
- Introductory level knowledge of Active Directory
- Be good at accessing and using simple Windows PowerShell commands.

Course Outline:

1 | Managing Identity

- Identity as a Service (IaaS), the new Control Plane
- Security Privileged Access Roadmap: Stage 2
- Review Questions

2 | Securing Active Directory

- Active Directory Security
- Review Questions

3 | Azure Active Directory

- Identity Federation and Access Solutions for the Cloud
- Azure Security Architecture
- Review Questions

4 | Active Directory & Kerberos Protocol

- Introduction
- Authentication and Authorization in Active Directory
- Review Questions

Launch Lab

- Launch Lab

Final Exam

- Final Exam?