Security Fundamentals, Skill Labs

Course Specifications

Course Number: ACI76-043SL_rev1.0
Lab Length: Approximately 18 hours

Understand Internet Security (98-367)

Introduction
Objective

The Understand Internet Security module provides you with the instruction and server hardware to develop your hands-on skills in the defined topics. This module includes the following exercises:

- Internet Explorer Browser Settings
- Securing Websites in IIS
- Configure Authentication in IIS

Understand User Authentication (98-367)

Introduction
Objective

The Understand User Authentication module provides you with the instruction and server hardware to develop your hands on skills in the defined topics. This module includes the following exercises:

- Install and Configure Network Policy Server
- Configuring VPN Server
- Configuring an Account for Multi-factor Authentication

Understand Permissions (98-367)

Introduction
Objective

The Understand Permissions module provides you with the instruction and server hardware to develop your hands-on skills. This module includes the following exercises:

- Understanding Permissions in Microsoft Windows Server
- Modifying Permissions Using Active Directory

Understand Password Policies (98-367)

Introduction
Objective

The Understand Password Policies module provides you with the instruction and server hardware to develop your hands-on skills. This module includes the following exercises:

- Configuring Password Policies in Microsoft Windows Server

Understand Encryption (98-367)

Introduction
Objective

The Understanding Encryption module provides you with the instruction and server hardware to develop your hands-on skills. This module includes the following exercises:

- Configuring File Encryption in Microsoft Windows Server

Understand Network Isolation (98-367)

Introduction
Objective

The Understand Network Isolation module provides you with the instruction and server hardware to develop your hands-on skills. This module includes the following exercises:

- Demonstrating Routing

- Securing Network Transmission with IPsec

- Configuring server and domain isolation

- Configuring a Honeypot

Understand Audit Policies (98-367)

Introduction
Objective

The Understand Audit Policies module provides you with the instruction and Server hardware to develop your hands-on skills. This module includes the following exercises:

- Enabling Auditing

Understand Network Access Protection (98-367)

Introduction
Objective

The Understand Network Access Protection module provides you with the instruction and devices to develop your hands on skills in the defined topics. This module includes the following exercises:

- Configuring Network Access Protection Server

- Configuring Network Access Protection Client

Understand Protocol Security (98-367)

Introduction
Objective

The Understand Protocol Security module provides you with the instruction and server hardware to develop your hands-on skills. This module includes the following exercises:

- Demonstrating Protocol Security

- Configuring Tunnelling

- Using Wireshark and WinPcap

Implementing Client Protection

Introduction
Objective

The Implementing Client Protection module provides you with the instruction and server hardware to develop your hands-on skills. This module includes the following exercises:

- Enabling User Access Control

- Configure Encryption of Offline Folders

- Configuring AppLocker

Understand E-mail Protection (98-367)

Introduction
Objective

The Understand E-mail Protection module provides you with the instruction and server hardware to develop your hands-on skills. This module includes the following exercises:

- Configuring Antivirus Software

- Creating Pointer Records

- Creating Sender Policy Framework Records

Understand Server Protection (98-367)

Introduction
Objective

The Understand Server Protection module provides you with the instruction and server hardware to develop your hands on skills. This module includes the following exercises:

- Configuring Securing DNS Updates
- Configuring Read-Only Domain Controllers
- Install and Configure MBSA
- Installing WSUS—Theory Guide
- Create Computer Groups for WSUS—Theory Guide
- Configure GPO Policy for WSUS

Manage IPv6 Connectivity (PLAB-SVR19-CM)

Introduction
Objective

Welcome to the Manage IPv6 Connectivity practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

Overview
Learning Outcomes

In this module, you will complete the following exercises:

- Exercise 1 – Test IPv6 Link-Local Address Connectivity
- Exercise 2 – Implement DHCPv6 Server

After completing this lab, you should be able to:

- Configure a Static IPv6 Address
- Test Link-Local IPv6 Address Connectivity
- Install DHCP Service
- Create an IPv6 Address Pool
- Renew an IPv6 Address Lease

Understand Secure Sockets Layer and Transport Layer Security (98-367)

Introduction
Objective

The Understand Secure Sockets Layer and Transport Layer Security module provides you with the instruction and computer hardware to develop your hands-on skills in the defined topics. This module includes the following exercises:

- Configuring FTP

- Configuring FTP Authentication

- Configuring Certificate Security

- Testing Certificate Security

- Configuring Secure FTP

Understand Malware (98-367)

Introduction
Objective

The Understand Malware module provides you with the instruction and server hardware to develop your hands-on skills in the defined topics. This module includes the following exercises:

- Activating a Trojan

- Testing network services with netcat

- Deploying malware protection

Understand Cryptography Tools (98-367)

Introduction
Objective

The Understand Cryptography Tools module provides you with the instruction and server hardware to develop your hands-on skills in the defined topics. This module includes the following exercises:

- Using Cryptography Tools

Understand How Password Cracking Tools Work (98-367)

Introduction
Objective

The Understand How Password Cracking Tools Work module provides you with the instruction and server hardware to develop your hands-on skills in the defined topics. This module includes the following exercises:

- Using Password Cracking Tools

Understand Common Network Attacks (98-367)

Introduction
Objective

The Understanding Common Network Attacks module provides you with the instruction and Server hardware to develop your hands-on skills in the defined topics. This module includes the following exercises:

- Network Footprinting

- Packet Sniffing

- MitM with ARP Spoofing

- Denial of Service

- Anti-Phishing Toolbar