

# Microsoft Endpoint Administrator, Skill Labs

## Course Specifications

Course Number: ACI76-041SL\_rev1.0

Lab Length: Approximately 12 hours

## Create and Configure a Microsoft 365 Account (MD-102)

### Introduction

#### Objective

Welcome to the Create and Configure a Microsoft 365 Account practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

**ALERT:** A Microsoft Entra P1 and Intune Suite trial subscriptions need to be created to be able to complete the consequential labs.

Due to the enforcement of Multifactor authentication the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes

In this module, you will complete the following exercise:

- Exercise 1 – Create and Configure a Microsoft 365 Trial Account

After completing this module, you should be able to:

- Create a Microsoft 365 trial account
- Configure a Microsoft 365 trial account

## Deploy a Windows Client Using Autopilot (MD-102)

### Introduction

#### Objective

Welcome to the Deploy a Windows Client using Autopilot practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercises:

- Exercise 1 – Configure Microsoft 365 Tenant for an Autopilot Deployment

## Course Outline

- Exercise 2 – Create and Configure a Device for an Autopilot Deployment

After completing this module, you should be able to:

- Create a deployment profile for an Autopilot deployment.
- Create a virtual machine.
- Obtain and import the hardware ID for the Autopilot deployment.
- Deploy a Windows device with Autopilot

### Exam Objectives:

The following exam objectives are covered in this module:

- Deploy Windows Client
- Plan and implement a Windows client deployment by using Windows Autopilot.

## Configure Remote Management (MD-102)

### Introduction

#### Objective

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

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercises:

- Exercise 1 – Configure the Windows Admin Center
- Exercise 2 – Configure Remote Help in Intune

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Install the Windows Admin Center.
- Configure the Windows Admin Center.
- Enable Remote Help in the Microsoft Intune Admin Center.
- Enroll a device to Remote Help in Intune.

### Exam Objectives:

The following exam objectives are covered in this module:

- Deploy Windows client.
- Configure remote management.

## Manage Identities (MD-102)

### Introduction

#### Objective

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

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Register a Device in Microsoft Entra

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Create a user using Microsoft Entra.
- Join a device to Microsoft Entra.
- Implement a Local Administrator Password Solution (LAPS).
- Verify the LAPS policy.

### Exam Objectives:

The following exam objectives are covered in this module:

- Manage identity and compliance.
- Manage identity.

## Implement Intune Compliance Policies (MD-102)

### Introduction

#### Objective

Welcome to the Implement Intune Compliance Policies practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

## Course Outline

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Create and Validate an Intune Compliance Policy

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Create an Intune compliance policy.
- Apply and verify an Intune compliance policy.
- Test an Intune compliance policy.

#### Exam Objectives:

The following exam objectives are covered in this module:

- Manage identity and compliance.
- Implement compliance policies for all supported device platforms by using Intune.

## Manage Device Lifecycle Using Intune (MD-102)

### Introduction

#### Objective

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

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Configure Windows Enrollment Using Intune

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Enroll and manage a Windows device for Bring Your Own Device (BYOD).
- Enroll and manage a company-owned Windows device.

### Exam Objectives:

The following exam objectives are covered in this module:

- Manage, maintain, and protect devices
- Manage the device lifecycle using Intune

## Manage Device Configuration Using Intune (MD-102)

### Introduction

#### Objective

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

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Manage Windows Devices Using Configuration Profiles in Intune

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Create a user account using Microsoft Intune Admin Center.
- Create an Intune configuration profile policy.
- Apply and verify an Intune configuration profile policy.

### Exam Objectives:

The following exam objectives are covered in this module:

- Manage, maintain, and protect devices.
- Manage device configuration for all supported device platforms by using Intune.

## Monitoring Devices Using Intune (MD-102)

### Introduction

#### Objective

Welcome to the Monitoring Devices using Intune practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

## Overview

### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Monitoring Entra Joined Devices Using Intune

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Enroll a device into Microsoft Intune.
- Create a health monitoring policy using Microsoft Intune.
- Verify the application of the health monitoring policy.

### Exam Objectives:

The following exam objectives are covered in this module:

- Manage, maintain, and protect devices
- Monitor devices

## Managing Device Updates Using Intune (MD-102)

### Introduction

#### Objective

Welcome to the Managing Device Updates using Intune practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Create and Implement a Windows Update Policy with Microsoft Intune

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Enroll a device in Microsoft Intune.
- Create and implement a Windows update policy using Microsoft Intune.

### Exam Objectives:

The following exam objective is covered in this module:

- Manage, maintain, and protect devices

## Course Outline

- Manage device updates for all supported device platforms by using Intune

### Implement Endpoint Protection for Devices (MD-102)

#### Introduction

#### Objective

Welcome to the Implement Endpoint Protection for Devices practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

#### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Implement Endpoint Protection for Windows Devices

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Enroll a device in Microsoft Intune.
- Implement Endpoint Protection for Windows devices.
- Verify the application of the Endpoint Protection policy.

#### Exam Objectives:

The following exam objectives are covered in this module:

- Manage, maintain, and protect devices.
- Implement endpoint protection for all supported device platforms.

### Deploy and Update Apps for Devices (MD-102)

#### Introduction

#### Objective

Welcome to the Deploy and Update Apps for Devices practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

#### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

## Course Outline

- Exercise 1 – Deploy Applications Using Microsoft Intune

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Enroll a device in Microsoft Intune.
- Deploy applications using Microsoft Intune.
- Verify the deployment of the App Policy.

### Exam Objectives:

The following exam objectives are covered in this module:

- Manage applications
- Deploy and update apps for all supported device platforms

## Implement App Protection and Configuration Policies (MD-102)

### Introduction

#### Objective

Welcome to the Implement App Protection and Configuration Policies practice lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

**ALERT:** Please ensure that Create and Configure a Microsoft 365 Account lab has been completed before attempting this lab. Due to the enforcement of Multifactor authentication, the Microsoft Authenticator app would be needed to authenticate the subscription.

### Overview

#### Learning Outcomes:

In this module, you will complete the following exercise:

- Exercise 1 – Create and Deploy an Application Protection Policy Using Microsoft Intune

After completing this module, you should be able to:

- Clear out the Microsoft 365 subscription (optional).
- Enroll a device in Microsoft Intune.
- Create a Group in the Microsoft Intune admin center.
- Create an application protection policy using Microsoft Intune.
- Verify the deployment of the app protection policy.

### Exam Objectives:

The following exam objectives are covered in this module:

- Manage Applications
- Plan and implement app protection and app configuration policies