

Microsoft Endpoint Administrator, Videos & Skill Labs Set

Course Specifications

Course Number: ACI77-014VL_rev1.0

Video and Lab Length: Approximately 35 hours, 14 minutes

Course Introduction

The Microsoft Endpoint Administrator (MD-102) is an intermediate certificate aimed at IT Professionals wishing to validate their Linux skills or advance in their career.

These Skill Labs focuses on the practical aspects of the exam objectives to provide hands-on experience for preparation for the exam. No prior hands-on experience is required to use or complete this Practice Lab. However, we assume that you know how to use a computer and that you are familiar with basic networking technologies and operating system management.

Video Enhanced Learning

(23h 14m * 5 Modules * 76 Episodes)

We've enhanced select lab sets with targeted video content to strengthen student readiness and improve lab success. With focused video learning, students get reinforcement of core concepts before they enter the lab, giving them the confidence and context needed to apply skills effectively. Support diverse learning styles, improve lab readiness, and drive stronger outcomes across today's most in-demand skills.

Video Topics

1. Course Overview
2. November 2023 Update - Manage Identities with Entra ID
3. November 2023 Update - Manage Devices using Microsoft Intune
4. Create and Manage Update Rings using Intune
5. Configure Enrollment Using Intune
6. Configure Windows Enrollment Using Intune
7. Configure Bulk Enrollment for iOS Devices
8. Configure Android Enrollment Using Intune
9. Configure ChromeOS Enrollment using Intune
10. Select a Windows Client Edition

Course Outline

11. Determining Requirements for Windows Clients
12. Customizing WinPE with ADK
13. Creating an Answer File with WSIM
14. Select a Windows Deployment Tool
15. Migrating Windows Clients with USMT
16. Select Migrations vs Rebuilds
17. Configuring Windows Provisioning Packages
18. Select Imaging and Provisioning Strategy
19. Implement Subscription-Based Activation
20. Configure and Implement Autopilot Device Registration
21. Configure and Implement Autopilot Deployment Profiles
22. Deploy Enrollment Status Page
23. Deploy Windows Devices with Autopilot
24. Troubleshoot Autopilot Deployments
25. Implement Microsoft Deployment Toolkit
26. Import and Manage Images Using MDT
27. Monitor and Troubleshoot MDT Deployments
28. Configure Remote Desktop in Windows Clients
29. Configure Remote Management in Windows Clients
30. Configure Remote Help in Intune
31. Deploy Windows Admin Center
32. Implement Compliance Policies using Intune
33. Manage Compliance Policies using Intune
34. Implement Conditional Access using Intune
35. Manage Compliance Policy Notifications
36. Monitor Device Compliance using Intune
37. Troubleshoot Intune Device Compliance Policies
38. Implement User Authentication on Windows Devices
39. Manage Groups in Windows Environments
40. Manage Role-based Access Control for Intune
41. Register and Join Devices to Microsoft Entra ID
42. Implement the Intune Connector for Active Directory
43. Implement LAPS for Entra and Intune
44. Configure Automatic Enroll Using Intune

Course Outline

45. Configure Policy Sets using Intune
46. Retire and Wipe Devices using Intune
47. Configure and Deploy Security Baselines in Intune
48. Secure Devices with Endpoint Security Policies
49. Onboard Devices into Defender for Endpoint
50. Use Automated Response in Defender for Endpoint
51. Use the Microsoft Defender Vulnerability Management Dashboard
52. Manage Android Updates Using Configuration Profiles
53. Create and Manage Update Policies with Intune
54. Configure Delivery Optimization Using Intune
55. Monitor and Troubleshoot Configuration Profiles
56. Monitor Devices with Intune and Azure Monitor
57. Use Endpoint Analytics and Adoption Score
58. Specify Configuration Profiles to Meet Requirements
59. Implement Configuration Profiles with Intune
60. Monitor and Troubleshoot Updates in Intune
61. Configure and Implement Windows Kiosk Mode
62. Implement Profiles on Android Devices
63. Plan and implement Microsoft Tunnel for Intune
64. Deploy Apps by using Intune
65. Deploy MS 365 Apps using Office Deployment Tool
66. Deploy MS 365 Apps using Office Customization Tool (OCT)
67. Manage MS 365 Apps using the Microsoft 365 Apps Admin Center
68. Deploy MS 365 Apps by using Intune
69. Configure Policies for Office Apps using Intune
70. Configure Policies for Office Apps using Group Policy
71. Deploy Apps to App Stores with Intune
72. Implement App Protection Policies
73. Manage App Protection Policies
74. Implement Conditional Access for Policies for App Protection Policies
75. Plan and Implement App Configuration Policies
76. Manage App Configuration Policies

Skill Labs

(12h * 12 Labs)

A **skills lab** is a guided, hands-on learning environment that allows students to practice real-world tasks in a safe, virtual setting. Instead of simply reading or watching videos, learners actively do the work—navigating realistic scenarios, applying concepts, troubleshooting issues, and building confidence through practical experience. This ensures that theory becomes usable skill. Skill labs are essential for developing true workplace readiness because they mirror real systems, tools, and challenges, helping learners bridge the gap between knowledge and performance. By completing a skills lab, students gain the hands-on competence employers expect and are better prepared for both assessments and real job responsibilities.

Skill Labs Topics

1. Create and Configure a Microsoft 365 Account (MD-102)
2. Deploy a Windows Client Using Autopilot (MD-102)
3. Configure Remote Management (MD-102)
4. Manage Identities (MD-102)
5. Implement Intune Compliance Policies (MD-102)
6. Manage Device Lifecycle Using Intune (MD-102)
7. Manage Device Configuration Using Intune (MD-102)
8. Monitoring Devices Using Intune (MD-102)
9. Managing Device Updates Using Intune (MD-102)
10. Implement Endpoint Protection for Devices (MD-102)
11. Deploy and Update Apps for Devices (MD-102)
12. Implement App Protection and Configuration Policies (MD-102)