TestOut*

TestOut Client Pro – English 8.0.x

Objective Mappings:

TestOut Client Pro

Microsoft MD-102



Contents

This document contains four objective mappings. Click on a mapping to view its contents.

Objective Mapping: LabSim Section to TestOut Client Pro Objective	3
Objective Mapping: TestOut Client Pro Objective to LabSim Section	11
Objective Mapping: LabSim Section to MD-102 Objective	14
Objective Mapping: MD-102 Objective to LabSim Section	23

Objective Mapping: LabSim Section to TestOut Client Pro Objective

The Client Pro course covers the following TestOut Client Pro exam objectives:

Section	Title	Objectives
1.0	Course Introduction	
1.1	Course Introduction	
1.2	TestOut Lab Simulator	
2.0	Windows Installation	
2.1	Windows Versions	1.1 Manage Windows settings
2.2	Windows Installation	
2.3	Windows Upgrade	
2.4	Hyper-V on Windows Client	1.6 Manage Hyper-V on Windows 1.6.1 - Create virtual machines 1.6.2 - Create virtual hard disks
3.0	Post Installation Tasks	
3.1	Windows Activation	

3.2	Configure Windows	1.1 Manage Windows settings
		☐ 1.1.2 - Configure Startup options
		1.2 Manage Windows system
		☐ 1.2.3 – Manage Windows services
3.3	Web Browser Configuration	
3.4	Desktop Applications	1.1 Manage Windows settings
		☐ 1.1.1 - Use the Windows interface
3.5	Printers	1.4 Manage local printers
		 □ 1.4.1 – Add a printer □ 1.4.2 – Configure a default printer □ 1.4.3 – Share a printer
3.6	Provisioning Packages	
4.0	Deploy Windows	
4.1	System Images	
4.2	User Profile and Data Migration	
4.3	Windows Deployment	
4.4	Use Autopilot	
5.0	Manage Identity	

5.1	Active Directory	2.1 Manage users and groups
		☐ 2.1.2 – Manage Active Directory (AD) user accounts
		2.2 Manage Active Directory (AD)
		 2.2.1 – Manage organizational units (OUs) 2.2.2 – Manage Active Directory (AD) devices
5.2	Users and Group	2.1 Manage users and groups
		☐ 2.1.1 – Manage local users and groups
5.3	Credential Management	
5.4	Azure AD Users and Groups	2.1 Manage users and groups
		☐ 2.1.3 – Manage users and groups in Azure AD
5.5	Privileged Accounts and Manage Certificates	
6.0	Group Policy	
6.1	Group Policy	2.3 Configure policies
		☐ 2.3.1 – Configure a Group Policy Object (GPO)
6.2	Password Policies	2.1 Manage users and groups
		☐ 2.1.2 – Manage Active Directory (AD) user accounts
6.3	Security Options	2.5 Manage system security
		☐ 2.5.1 – Configure Security options

6.4	User Rights Assignment	2.4 Manage user security
		☐ 2.4.3 – Configure user rights
6.5	Audit Policies	2.3 Configure policies
		☐ 2.3.2 – Configure an Audit policy
6.6	User Account Control	2.4 Manage user security
		☐ 2.4.1 – Configure user account control (UAC) settings
7.0	Network Connectivity	
7.1	IP Addressing	3.1 Configure network settings
		☐ 3.1.1 – Configure an IPv4 address
7.2	Troubleshoot IP Configuration Issues	3.1 Configure network settings
		☐ 3.1.1 – Configure an IPv4 address
		3.3 Troubleshoot networking
		□ 3.3.2 – Troubleshoot TCP/IP configuration
7.3	Troubleshoot Connectivity	3.3 Troubleshoot networking
		□ 3.3.2 – Troubleshoot TCP/IP configuration
7.4	IP Version 6	3.1 Configure network settings
		☐ 3.1.2 – Configure an IPv6 address

7.5	Wireless Networking	3.2 Manage a wireless network
		 □ 3.2.1 – Create and secure a home wireless network □ 3.2.2 – Connect to a wireless network
7.6	Virtual Private Network (VPN)	3.1 Configure network settings
		☐ 3.1.3 – Configure a virtual private network (VPN)
8.0	File and Storage Management	
8.1	Local Storage	
8.2	OneDrive Storage	4.3 Manage storage
		☐ 4.3.1 – Configure OneDrive storage
8.3	Optimization Local Storage	
8.4	Manage Files and Folders	4.1 Manage files and folders
		☐ 4.1.1 – Manage files
		4.3 Manage storage
		☐ 4.3.1 – Configure OneDrive storage
8.5	NTFS and Share Permissions	4.1 Manage files and folders
		□ 4.1.2 – Manage folders□ 4.1.4 – Configure NTFS file permissions
9.0	System Recovery and Protection	

9.1	Boot and Startup	1.2 Manage Windows system
		☐ 1.2.1 – Configure the boot order
		1.7 Troubleshoot Windows
		☐ 1.7.1 – Troubleshoot system startup
9.2	System Recovery	1.7 Troubleshoot Windows
		☐ 1.7.1 – Troubleshoot system startup
		4.2 Manage file system backup and recovery
		☐ 4.2.2 – Create a Windows restore point
9.3	System and Data Backup	4.2 Manage file system backup and recovery
		□ 4.2.1 – Backup a computer□ 4.2.3 – Configure File History
9.4	Data Recovery	4.2 Manage file system backup and recovery
		 □ 4.2.4 – Restore data from File History □ 4.2.5 – Restore a file from a previous version
9.5	Windows Updates	1.2 Manage Windows system
		☐ 1.2.2 – Configure Windows Update
9.6	BitLocker	2.5 Manage system security
		☐ 2.5.4 – Configure and start Bitlocker

9.7	Client Malware Protection	2.5 Manage system security
		☐ 2.5.2 – Configure Windows Security
9.8	Windows Client Firewall	2.5 Manage system security
		☐ 2.5.3 – Manage Windows client firewall
10.0	Monitor and Manage Windows	
10.1	Monitor and Manage Performance and Reliability	
10.2	System Configuration Tools	
10.3	Remote Management	1.5 Manage remote access
		☐ 1.5.3 – Use PowerShell Remoting
10.4	Remote Desktop and Remote Assistance	1.5 Manage remote access
		1.5.1 – Configure Remote Assist1.5.2 – Configure Remote Desktop
10.5	System Troubleshooting Tools	1.7 Troubleshoot Windows
		☐ 1.7.1 – Troubleshoot system startup
11.0	Compliance Policies and Configuration Profiles	
11.1	Compliance Policies and Profiles	

11.2	Device Configuration Profiles	
12.0	Manage, Maintain, and Protect Devices	
12.1	Manage Devices	
12.2	Monitor Devices	
12.3	Device Updates	
12.4	Endpoint Protection	
13.0	Application Management	
13.1	Manage Apps	
13.2	App Protection and Configuration Policies	
A.0	TestOut Client Pro - Practice Exams	
A.1	Prepare for TestOut Client Pro Certification	
A.2	TestOut Client Pro Domain Review	
B.0	Microsoft MD-102 - Practice Exams	
B.1	Prepare for Microsoft MD-102 Certification	
B.2	Microsoft MD-102 Domain Review (20 Questions)	
B.3	Microsoft MD-102 Domain Review (All Questions)	

Objective Mapping: TestOut Client Pro Objective to LabSim Section

The Client Pro course and certification exam cover the following TestOut Client Pro objectives:

#	Domain	Module.Section
1.0	Manage Windows	
1.1	Manage Windows settings ☐ 1.1.1 - Use the Windows interface ☐ 1.1.2 - Configure Startup options	2.1 3.2, 3.4
1.2	Manage Windows system ☐ 1.2.1 – Configure the boot order ☐ 1.2.2 – Configure Windows Update ☐ 1.2.3 – Manage Windows services	3.2 9.1, 9.5
1.3	Manage Windows apps ☐ 1.3.1 – Configure the Edge browser ☐ 1.3.2 – Manage desktop applications	
1.4	Manage local printers 1.4.1 – Add a printer 1.4.2 – Configure a default printer 1.4.3 – Share a printer	3.5
1.5	Manage remote access ☐ 1.5.1 – Configure Remote Assist ☐ 1.5.2 – Configure Remote Desktop	10.3, 10.4

	☐ 1.5.3 – Use PowerShell Remoting	
1.6	Manage Hyper-V on Windows ☐ 1.6.1 - Create virtual machines ☐ 1.6.2 - Create virtual hard disks	2.4
1.7	Troubleshoot Windows 1.7.1 – Troubleshoot system startup 1.7.2 – Troubleshoot with Windows Recovery	9.1, 9.2 10.5
2.0	Manage Identity and Security	
2.1	Manage users and groups 2.1.1 – Manage local users and groups 2.1.2 – Manage Active Directory (AD) user accounts 2.1.3 – Manage users and groups in Azure AD	5.1, 5.2, 5.4 6.2
2.2	Manage Active Directory (AD) 2.2.1 – Manage organizational units (OUs) 2.2.2 – Manage Active Directory (AD) devices 2.2.3 – Manage an AD DS account	5.1
2.3	Configure policies 2.3.1 – Configure a Group Policy Object (GPO) 2.3.2 – Configure an Audit policy	6.1, 6.5
2.4	Manage user security 2.4.1 – Configure user account control (UAC) settings 2.4.2 – Enforce user account control (UAC)	6.4, 6.6

	☐ 2.4.3 – Configure user rights	
2.5	Manage system security	6.3 9.6, 9.7, 9.8
	□ 2.5.1 – Configure Security options	9.0, 9.7, 9.0
	 2.5.2 – Configure Windows Security 2.5.3 – Manage Windows client firewall 	
	☐ 2.5.4 – Configure and start Bitlocker	
3.0	Manage Networking	
3.1	Configure network settings	7.1, 7.2, 7.4, 7.6
	☐ 3.1.1 – Configure an IPv4 address	
	3.1.2 – Configure an IPv6 address3.1.3 – Configure a virtual private network (VPN)	
3.2	Manage a wireless network	7.5
	 3.2.1 – Create and secure a home wireless network 3.2.2 – Connect to a wireless network 	
3.3	Troubleshoot networking	7.2, 7.3
	□ 3.3.1 – Troubleshoot a network adapter□ 3.3.2 – Troubleshoot TCP/IP configuration	
	1 3.3.2 – Houbleshoot TCP/IP Configuration	
4.0	Manage Files and Storage	
4.1	Manage files and folders	8.4, 8.5
	4.1.1 – Manage files	
	□ 4.1.2 – Manage folders□ 4.1.3 – Share folders	
	☐ 4.1.4 – Configure NTFS file permissions	

4.2	Manage file system backup and recovery	9.2, 9.3, 9.4
	 □ 4.2.1 – Backup a computer □ 4.2.2 – Create a Windows restore point □ 4.2.3 – Configure File History □ 4.2.4 – Restore data from File History □ 4.2.5 – Restore a file from a previous version 	
4.3	Manage storage	8.2, 8.4
	 □ 4.3.1 – Configure OneDrive storage □ 4.3.2 – Optimize local storage 	

Objective Mapping: LabSim Section to MD-102 Objective

The Client Pro course covers the following Microsoft MD-102: Endpoint Administrator exam objectives:

Section	Title	Objectives
1.0	Course Introduction	
1.1	Course Introduction	
1.2	TestOut Lab Simulator	
2.0	Windows Installation	
2.1	Windows Versions	
2.2	Windows Installation	

2.3	Windows Upgrade	
2.4	Hyper-V on Windows Client	
3.0	Post Installation Tasks	
3.1	Windows Activation	1.1 Prepare for a Windows client deployment
		☐ 1.1.5 - Implement subscription-based activation
3.2	Configure Windows	
3.3	Web Browser Configuration	
3.4	Desktop Applications	
3.5	Printers	
3.6	Provisioning Packages	1.1 Prepare for a Windows client deployment
		☐ 1.1.3 - Choose an imaging and/or provisioning strategy
4.0	Deploy Windows	
4.1	System Images	1.3 Plan and implement a Windows client deployment by using the Microsoft Deploymentv Toolkit (MDT) 1.3.1 - Plan and implement an MDT deployment infrastructure 1.3.2 - Create, manage, and deploy images 1.3.3 - Monitor and troubleshoot a deployment
4.2	User Profile and Data Migration	1.3 Plan and implement a Windows client deployment by using the Microsoft Deploymentv Toolkit (MDT)

		☐ 1.3.4 - Plan and configure user state migration
4.3	Windows Deployment	1.1 Prepare for a Windows client deployment
		☐ 1.1.3 - Choose an imaging and/or provisioning strategy
4.4	Use Autopilot	1.2 Plan and implement a Windows client deployment by using Windows Autopilot
		 □ 1.2.1 - Configure device registration for Autopilot □ 1.2.2 - Create, validate, and assign deployment profiles □ 1.2.3 - Set up the Enrollment Status Page (ESP) □ 1.2.4 - Deploy Windows devices by using Autopilot □ 1.2.5 - Troubleshoot an Autopilot deployment
5.0	Manage Identity	
5.1	Active Directory	
5.2	Users and Group	
5.3	Credential Management	
5.4	Azure AD Users and Groups	2.1 Manage identity 2.1.2 – Manage role-based access control (RBAC) for Intune 2.1.3 – Register devices in and join devices to Azure AD 2.1.4 – Implement the Intune Connector for Active Directory
5.5	Privileged Accounts and Manage Certificates	
6.0	Group Policy	

6.1	Group Policy	
6.2	Password Policies	2.1 Manage identity
		 2.1.6 – Implement and manage Local Administrative Passwords Solution (LAPS) for Azure AD
6.3	Security Options	
6.4	User Rights Assignment	
6.5	Audit Policies	
6.6	User Account Control	
7.0	Network Connectivity	
7.1	IP Addressing	
7.2	Troubleshoot IP Configuration Issues	
7.3	Troubleshoot Connectivity	
7.4	IP Version 6	
7.5	Wireless Networking	
7.6	Virtual Private Network (VPN)	
8.0	File and Storage Management	
8.1	Local Storage	
8.2	OneDrive Storage	

8.3	Optimization Local Storage	
8.4	Manage Files and Folders	
8.5	NTFS and Share Permissions	
9.0	System Recovery and Protection	
9.1	Boot and Startup	
9.2	System Recovery	
9.3	System and Data Backup	
9.4	Data Recovery	
9.5	Windows Updates	
9.6	BitLocker	
9.7	Client Malware Protection	
9.8	Windows Client Firewall	
10.0	Monitor and Manage Windows	
10.1	Monitor and Manage Performance and Reliability	
10.2	System Configuration Tools	
10.3	Remote Management	1.4 Configure Remote Management
		 □ 1.4.1 – Configure Remote Help in Intune □ 1.4.2 – Configure Remote Desktop on a Windows client □ 1.4.3 – Configure the Windows Admin Center

		☐ 1.4.4 – Configure PowerShell remoting and Windows Remote Management (WinRM)
10.4	Remote Desktop and Remote Assistance	1.4 Configure Remote Management □ 1.4.1 – Configure Remote Help in Intune
10.5	System Troubleshooting Tools	
11.0	Compliance Policies and Configuration Profiles	
11.1	Compliance Policies and Profiles	2.2 Implement compliance policies for all supported device platforms by using Intune 2.2.1 – Specify compliance policies to meet requirements 2.2.2 – Implement compliance policies 2.2.3 – Implement Conditional Access policies that require a compliance status 2.2.4 – Manage notifications for compliance policies 2.2.5 – Monitor device compliance 2.2.6 – Troubleshoot compliance policies 4.2 Plan and implement app protection and app configuration policies 4.2.3 – Implement Conditional Access policies for app protection policies
11.2	Device Configuration Profiles	3.2 Manage device configuration for all supported device platforms by using Intune 3.2.1 – Specify configuration profiles to meet requirements 3.2.2 – Implement configuration profiles 3.2.3 – Monitor and troubleshoot configuration profiles 3.2.4 – Configure and implement Windows kiosk mode 3.2.5 – Configure and implement profiles on Android devices, including fully managed, dedicated, corporate owned, and work profile

		☐ 3.2.6 – Plan and implement Microsoft Tunnel for Intune
12.0	Manage, Maintain, and Protect Devices	
12.1	Manage Devices	3.1 Manage the device lifecycle in Intune □ 3.1.1 – Configure enrollment settings □ 3.1.2 – Configure automatic and bulk enrollment, including Windows, Apple, and Android □ 3.1.3 – Configure policy sets □ 3.1.4 – Restart, retire, or wipe devices
12.2	Monitor Devices	3.3 Monitor devices □ 3.3.1 – Monitor devices by using Intune □ 3.3.2 – Monitor devices by using Azure Monitor □ 3.3.3 – Analyze and respond to issues identified in Endpoint analytics and Adoption Score
12.3	Device Updates	3.4 Manage device updates for all supported device platforms by using Intune 3.4.1 – Plan for device updates 3.4.2 – Create and manage update policies by using Intune 3.4.3 – Manage Android updates by using configuration profiles 3.4.4 – Monitor updates 3.4.5 – Troubleshoot updates in Intune 3.4.6 – Configure Windows client delivery optimization by using Intune 3.4.7 – Create and manage update rings by using Intune
12.4	Endpoint Protection	3.5 Implement endpoint protection for all supported device platforms □ 3.5.1 – Implement and manage security baselines in Intune □ 3.5.2 – Create and manage configuration policies for Endpoint security including antivirus, encryption, firewall,

		endpoint detection and response (EDR), and attack surface reduction (ASR) 3.5.3 – Onboard devices to Defender for Endpoint 3.5.4 – Implement automated response capabilities in Defender for Endpoint 3.5.5 – Review and respond to device issues identified in the Microsoft Defender Vulnerability Management dashboard
13.0	Application Management	
13.1	Manage Apps	4.1 Deploy and update apps for all supported device platforms □ 4.1.1 – Deploy apps by using Intune □ 4.1.2 – Configure Microsoft 365 Apps deployment by using the Microsoft Office Deployment Tool or Office Customization Tool (OCT) □ 4.1.3 – Manage Microsoft 365 Apps by using the Microsoft 365 Apps admin center □ 4.1.4 – Deploy Microsoft 365 Apps by using Intune □ 4.1.5 – Configure policies for Office apps by using Group Policy or Intune □ 4.1.6 – Deploy apps to platform-specific app stores by using Intune
13.2	App Protection and Configuration Policies	4.2 Plan and implement app protection and app configuration policies 4.2.1 – Plan and implement app protection policies for iOS and Android 4.2.2 - Manage app protection policies 4.2.3 – Implement Conditional Access policies for app protection policies 4.2.4 – Plan and implement app configuration policies for managed apps and managed devices 4.2.5 - Manage app configuration policies
A.0	TestOut Client Pro - Practice Exams	

A.1	Prepare for TestOut Client Pro Certification	
A.2	TestOut Client Pro Domain Review	
B.0	Microsoft MD-102 - Practice Exams	
B.1	Prepare for Microsoft MD-102 Certification	
B.2	Microsoft MD-102 Domain Review (20 Questions)	
B.3	Microsoft MD-102 Domain Review (All Questions)	

Objective Mapping: MD-102 Objective to LabSim Section

The Client Pro course and certification exam cover the following Microsoft MD-102: Endpoint Administrator objectives:

#	Domain	Module.Section
1.0	Deploy Windows client	
1.1	Prepare for a Windows client deployment	3.1, 3.6 4.3
	 □ 1.1.1 - Select a deployment tool based on requirements □ 1.1.2 - Choose between migrate and rebuild □ 1.1.3 - Choose an imaging and/or provisioning strategy □ 1.1.4 - Select a Windows edition based on requirements □ 1.1.5 - Implement subscription-based activation 	
1.2	Plan and implement a Windows client deployment by using Windows Autopilot	4.4
	 1.2.1 - Configure device registration for Autopilot 1.2.2 - Create, validate, and assign deployment profiles 1.2.3 - Set up the Enrollment Status Page (ESP) 1.2.4 - Deploy Windows devices by using Autopilot 1.2.5 - Troubleshoot an Autopilot deployment 	
1.3	Plan and implement a Windows client deployment by using the Microsoft Deploymentv Toolkit (MDT)	4.1, 4.2
	 1.3.1 - Plan and implement an MDT deployment infrastructure 1.3.2 - Create, manage, and deploy images 1.3.3 - Monitor and troubleshoot a deployment 1.3.4 - Plan and configure user state migration 	
1.4	Configure Remote Management	10.3, 10.4
	□ 1.4.1 – Configure Remote Help in Intune	

	 1.4.2 – Configure Remote Desktop on a Windows client 1.4.3 – Configure the Windows Admin Center 1.4.4 – Configure PowerShell remoting and Windows Remote Management (WinRM) 	
2.0	Manage identity and compliance	
2.1	Manage identity □ 2.1.1 – Implement user authentication on Windows devices, including Windows Hello for Business, passwordless, and tokens □ 2.1.2 – Manage role-based access control (RBAC) for Intune □ 2.1.3 – Register devices in and join devices to Azure AD □ 2.1.4 – Implement the Intune Connector for Active Directory □ 2.1.5 – Manage the membership of local groups on Windows devices □ 2.1.6 – Implement and manage Local Administrative Passwords Solution (LAPS) for Azure AD	5.4 6.2
2.2	Implement compliance policies for all supported device platforms by using Intune 2.2.1 – Specify compliance policies to meet requirements 2.2.2 – Implement compliance policies 2.2.3 – Implement Conditional Access policies that require a compliance status 2.2.4 – Manage notifications for compliance policies 2.2.5 – Monitor device compliance 2.2.6 – Troubleshoot compliance policies	11.1
3.0	Manage, maintain, and protect devices	
3.1	Manage the device lifecycle in Intune 3.1.1 – Configure enrollment settings 3.1.2 – Configure automatic and bulk enrollment, including Windows, Apple, and Android 3.1.3 – Configure policy sets 3.1.4 – Restart, retire, or wipe devices	12.1

3.2	Manage device configuration for all supported device platforms by using Intune	11.2
	 3.2.1 – Specify configuration profiles to meet requirements 3.2.2 – Implement configuration profiles 3.2.3 – Monitor and troubleshoot configuration profiles 3.2.4 – Configure and implement Windows kiosk mode 3.2.5 – Configure and implement profiles on Android devices, including fully managed, dedicated, corporate owned, and work profile 3.2.6 – Plan and implement Microsoft Tunnel for Intune 	
3.3	Monitor devices	12.2
	 3.3.1 – Monitor devices by using Intune 3.3.2 – Monitor devices by using Azure Monitor 3.3.3 – Analyze and respond to issues identified in Endpoint analytics and Adoption Score 	
3.4	Manage device updates for all supported device platforms by using Intune	12.3
	 □ 3.4.1 – Plan for device updates □ 3.4.2 – Create and manage update policies by using Intune □ 3.4.3 – Manage Android updates by using configuration profiles □ 3.4.4 – Monitor updates □ 3.4.5 – Troubleshoot updates in Intune □ 3.4.6 – Configure Windows client delivery optimization by using Intune □ 3.4.7 – Create and manage update rings by using Intune 	
3.5	Implement endpoint protection for all supported device platforms	12.4
	 □ 3.5.1 – Implement and manage security baselines in Intune □ 3.5.2 – Create and manage configuration policies for Endpoint security including antivirus, encryption, firewall, endpoint detection and response (EDR), and attack surface reduction (ASR) □ 3.5.3 – Onboard devices to Defender for Endpoint □ 3.5.4 – Implement automated response capabilities in Defender for Endpoint □ 3.5.5 – Review and respond to device issues identified in the Microsoft Defender Vulnerability Management dashboard 	

4.0	Manage applications	
4.1	Deploy and update apps for all supported device platforms □ 4.1.1 − Deploy apps by using Intune □ 4.1.2 − Configure Microsoft 365 Apps deployment by using the Microsoft Office Deployment Tool or Office Customization Tool (OCT) □ 4.1.3 − Manage Microsoft 365 Apps by using the Microsoft 365 Apps admin center □ 4.1.4 − Deploy Microsoft 365 Apps by using Intune □ 4.1.5 − Configure policies for Office apps by using Group Policy or Intune □ 4.1.6 − Deploy apps to platform-specific app stores by using Intune	13.1
4.2	Plan and implement app protection and app configuration policies 4.2.1 – Plan and implement app protection policies for iOS and Android 4.2.2 - Manage app protection policies 4.2.3 – Implement Conditional Access policies for app protection policies 4.2.4 – Plan and implement app configuration policies for managed apps and managed devices 4.2.5 - Manage app configuration policies	11.1 13.2