

IT 236 Project Report Form

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Date:	11/26/2025
Project Phase	Mobile Device Management

Section 1: Executive Summary

During this phase of the NewVue Health Infrastructure Modernization Project, cloud-based device management capabilities were introduced through Microsoft Intune. Building on the previously established hybrid identity foundation, NV-CLI was successfully enrolled into Intune and brought under centralized cloud management. This enabled the deployment of Microsoft 365 applications, the application of compliance and security baselines, and the configuration of controlled update management policies.

Verification activities confirmed successful Hybrid Azure AD Join, active Intune enrollment, and the application of cloud-delivered policies and configurations. Collectively, this work demonstrates how modern endpoint management extends from on-premises Active Directory into cloud-native tools, enabling consistent security governance, software deployment, and operational visibility across the organization's Windows devices.

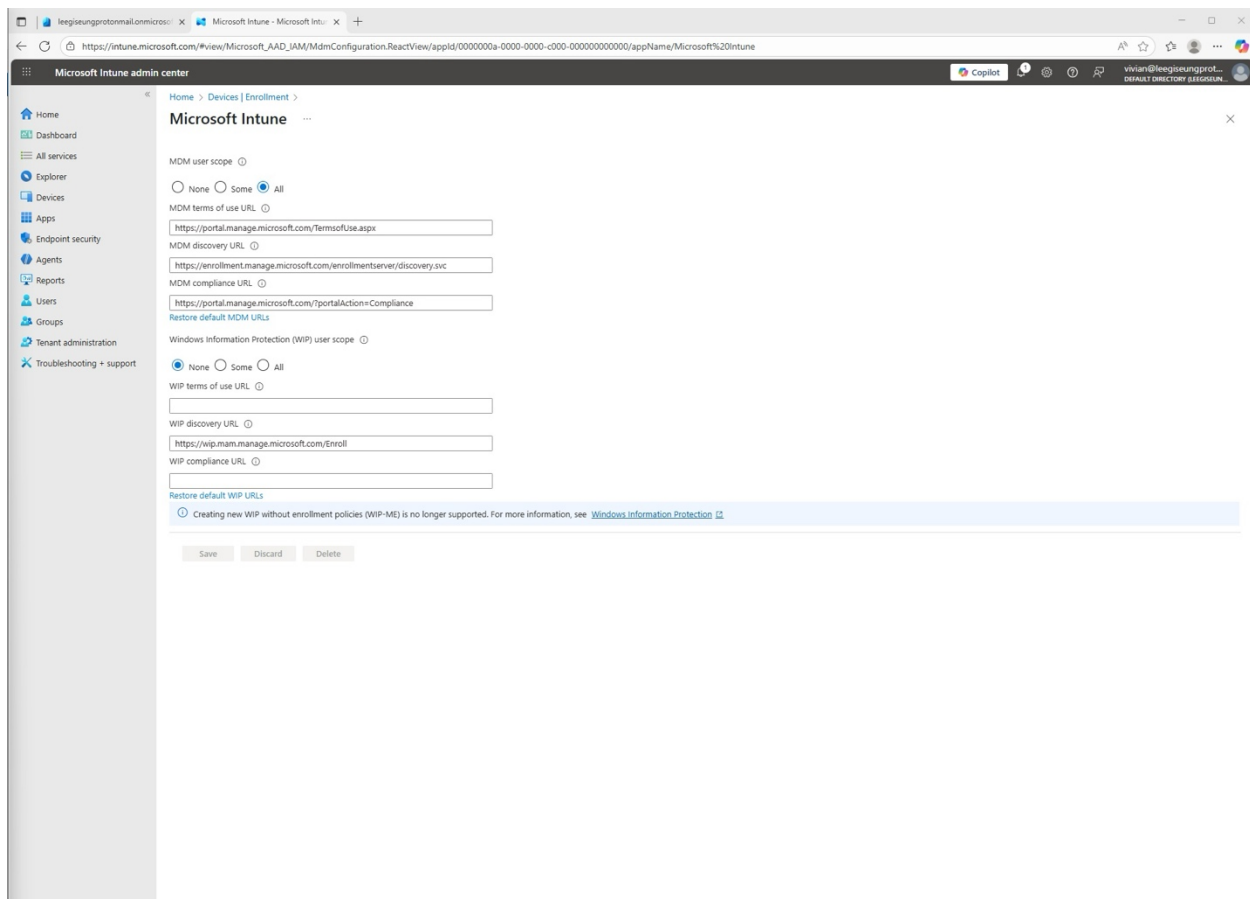
Section 2: Implementation & Verification Evidence

Task 1- Automatic Intune Enrollment Configuration (15 pts)

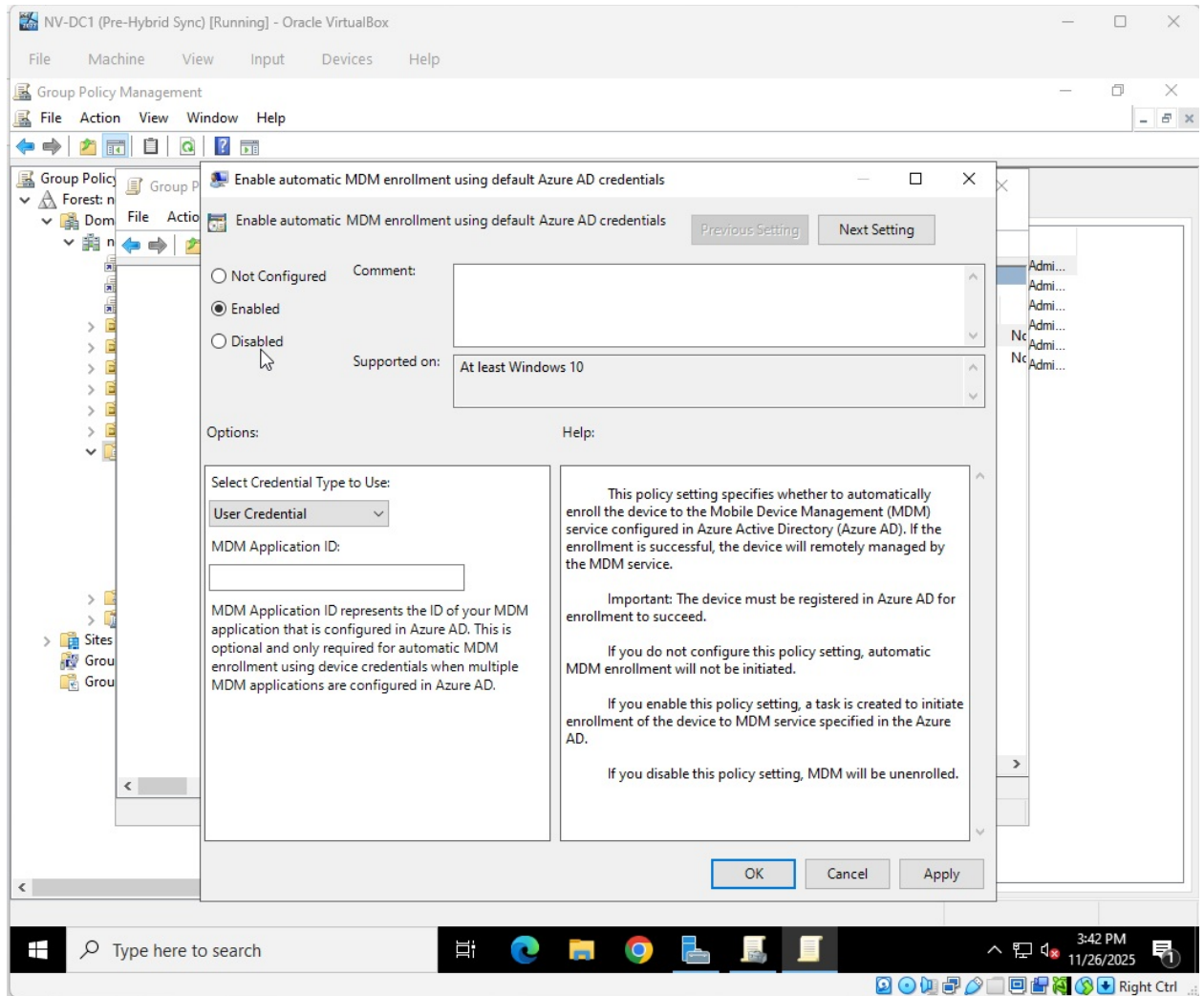
A configuration policy was created to ensure that domain-joined devices are automatically enrolled into Intune during Hybrid Azure AD Join. This step ensures seamless onboarding of corporate Windows endpoints into the organization's cloud management environment.

Required Evidence

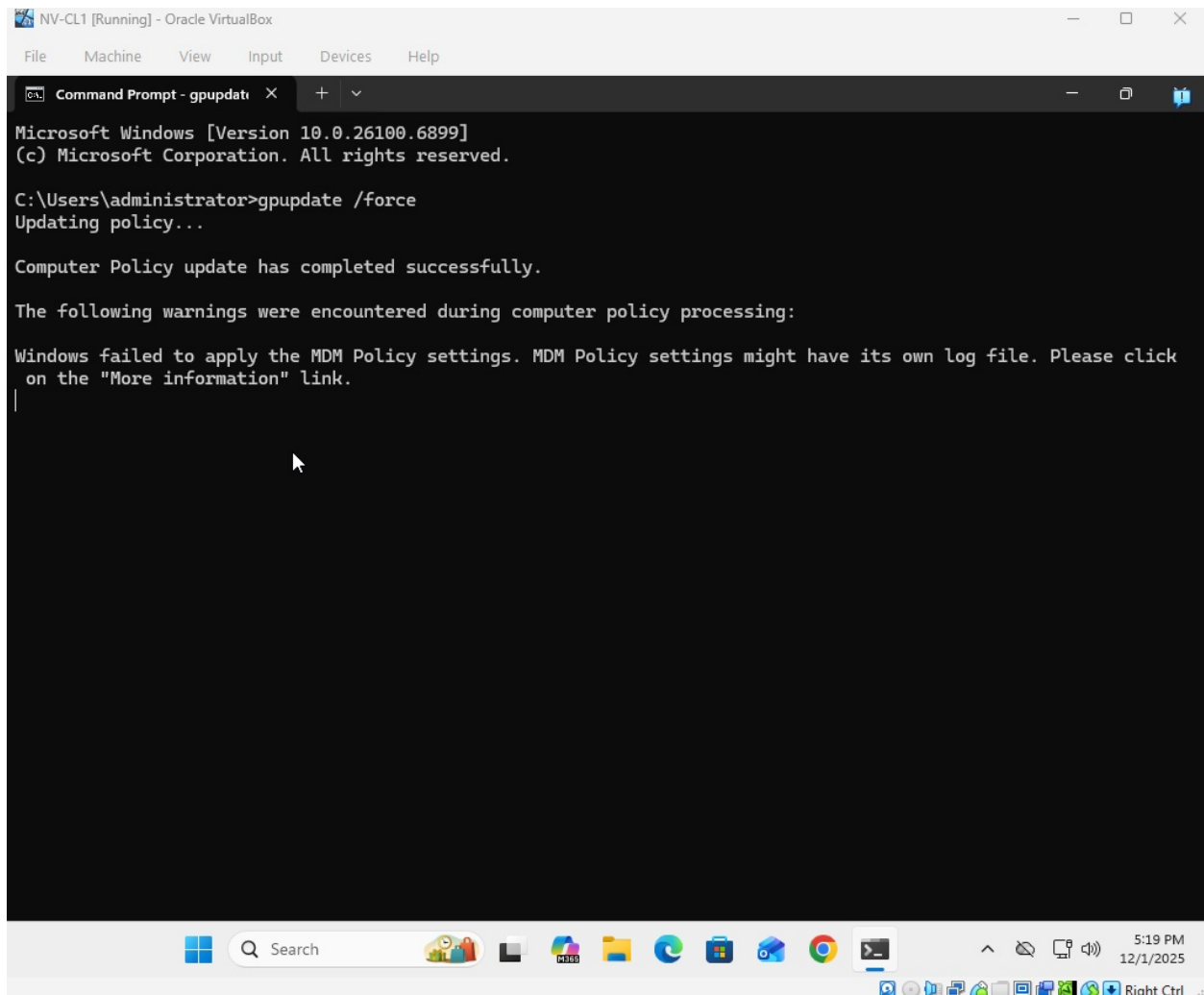
1. **Evidence 1:** Screenshot showing MDM user scope set to **All** in Intune.



2. **Evidence 2:** Screenshot of the GPO “Enable automatic MDM enrollment using default Azure AD credentials” set to **Enabled**.



3. Evidence 3: Screenshot of gpupdate /force executed on NV-CLI.



The screenshot shows a Windows Command Prompt window titled "Command Prompt - gpupdati" running the command `gpupdate /force`. The output indicates that the computer policy update was successful, but there were warnings about MDM Policy settings. The window is running inside an Oracle VM VirtualBox environment, as indicated by the title bar "NV-CL1 [Running] - Oracle VirtualBox". The taskbar at the bottom shows various application icons and the system clock displaying 5:19 PM on 12/1/2025.

```
Microsoft Windows [Version 10.0.26100.6899]
(c) Microsoft Corporation. All rights reserved.

C:\Users\administrator>gpupdate /force
Updating policy...

Computer Policy update has completed successfully.

The following warnings were encountered during computer policy processing:

Windows failed to apply the MDM Policy settings. MDM Policy settings might have its own log file. Please click
on the "More information" link.
|
```

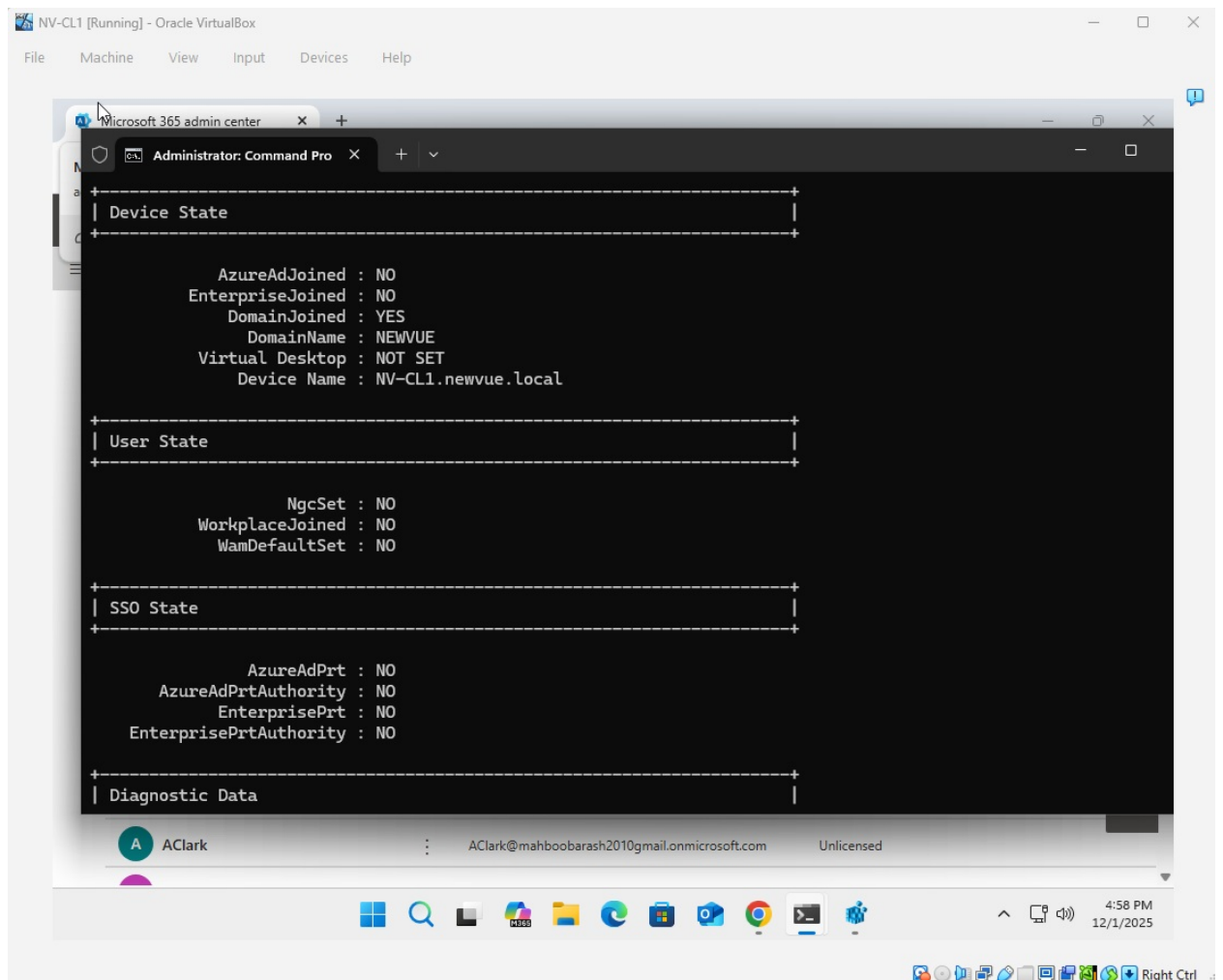
Task 2— Hybrid Azure AD Join & Intune Enrollment Validation

(10 pts)

NV-CLI was validated to confirm successful Hybrid Azure AD Join and Intune MDM enrollment. These verification steps ensure the device is correctly registered and managed through cloud policies.

Required Evidence

4. **Evidence 4:** Screenshot of `dsregcmd /status` showing **AzureAdJoined: YES**.



5. Evidence 5: Screenshot of NV-CLI listed under **Devices** → **All devices** in Intune.

The screenshot shows the Microsoft Entra admin center interface. The left sidebar contains navigation links for Home, Entra agents, Favorites, and various Entra ID management options. The main content area is titled 'Devices | All devices' and shows a search bar and a table of devices. One device, 'NV-CLI', is listed with the following details:

Name	Enabled	OS	Version	Join type	Owner	MDM	Security settings m...	Compliant	Registered
NV-CLI	Yes	Windows	10.0.26100.6584	Microsoft Entra reg...	Vivian Goshashy	Microsoft Intune	Microsoft Intune	Yes	11/26/2023, 4:40

Task 3— Microsoft 365 (Office) Deployment (10 points)

Microsoft 365 Apps were deployed to NV-CLI using Intune application management. This demonstrated cloud-based application delivery and modern software deployment workflows.

Required Evidence

6. Evidence 6: Screenshot of the Microsoft 365 Apps deployment configuration.

The screenshot displays the Microsoft Intune admin center interface for configuring Microsoft 365 Apps. The page is titled 'Add Microsoft 365 Apps' and includes a breadcrumb trail: Home > Apps > Windows > Windows apps > Add Microsoft 365 Apps. The left sidebar shows the navigation menu with options like Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Agents, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main content area is divided into sections: Summary, App suite information, Configure app suite, and Assignments. The 'App suite information' section shows details for 'Microsoft 365 Apps for Windows 10 and later', including the publisher (Microsoft), category (Productivity), and information URL. The 'Configure app suite' section lists various configuration options such as 'Apps to be installed as part of the suite' (Access, Excel, OneNote, Outlook, PowerPoint, Publisher, Teams, Word), 'Architecture' (64-bit), 'Update channel' (Current Channel), 'Remove other versions' (Yes), 'Version to install' (Latest), 'Use shared computer activation' (No), 'Accept the Microsoft Software License Terms on behalf of users' (Yes), 'Install background service for Microsoft Search in Bing' (Yes), 'Apps to be installed as part of the suite' (1 language(s) selected), and 'Default file format' (Office Open Document Format). The 'Assignments' section shows a table with columns for Group mode, Group, Status, Filter mode, and Filter. The 'Required' assignment is listed as 'Available for enrolled devices' with a progress bar indicating the installation status. At the bottom, there are 'Previous' and 'Create' buttons.

Home > Apps > Windows > Windows apps > Add Microsoft 365 Apps

Microsoft 365 Apps (Windows 10 and later)

App suite information

Name: Microsoft 365 Apps for Windows 10 and later

Description: Microsoft 365 Apps for Windows 10 and later

Publisher: Microsoft

Category: Productivity

Show this as a featured app: No

Information URL: https://products.office.com/explore-office-for-home

Privacy URL: https://privacy.microsoft.com/privacystatement

Developer: Microsoft

Owner: Microsoft

Notes: No Notes

Logo: Office

Configure app suite

Apps to be installed as part of the suite: Access, Excel, OneNote, Outlook, PowerPoint, Publisher, Teams, Word

Architecture: 64-bit

Update channel: Current Channel

Remove other versions: Yes

Version to install: Latest

Use shared computer activation: No

Accept the Microsoft Software License Terms on behalf of users: Yes

Install background service for Microsoft Search in Bing: Yes

Apps to be installed as part of the suite: 1 language(s) selected

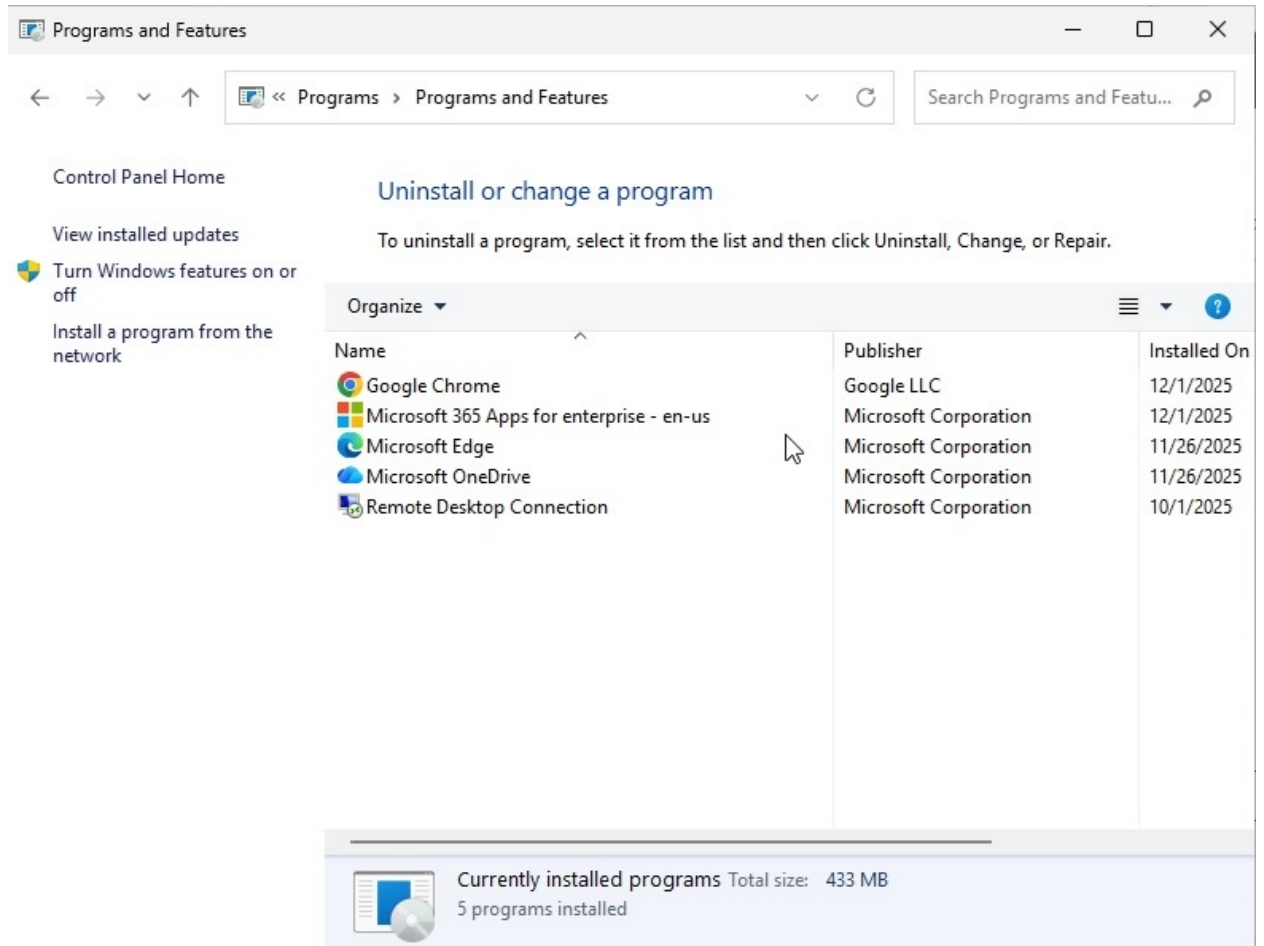
Default file format: Office Open Document Format

Assignments

Group mode	Group	Status	Filter mode	Filter
> Required				
Available for enrolled devices				
Uninstall				

Previous Create

7. **Evidence 7:** Screenshot of Office applications appearing on NV-CLI.



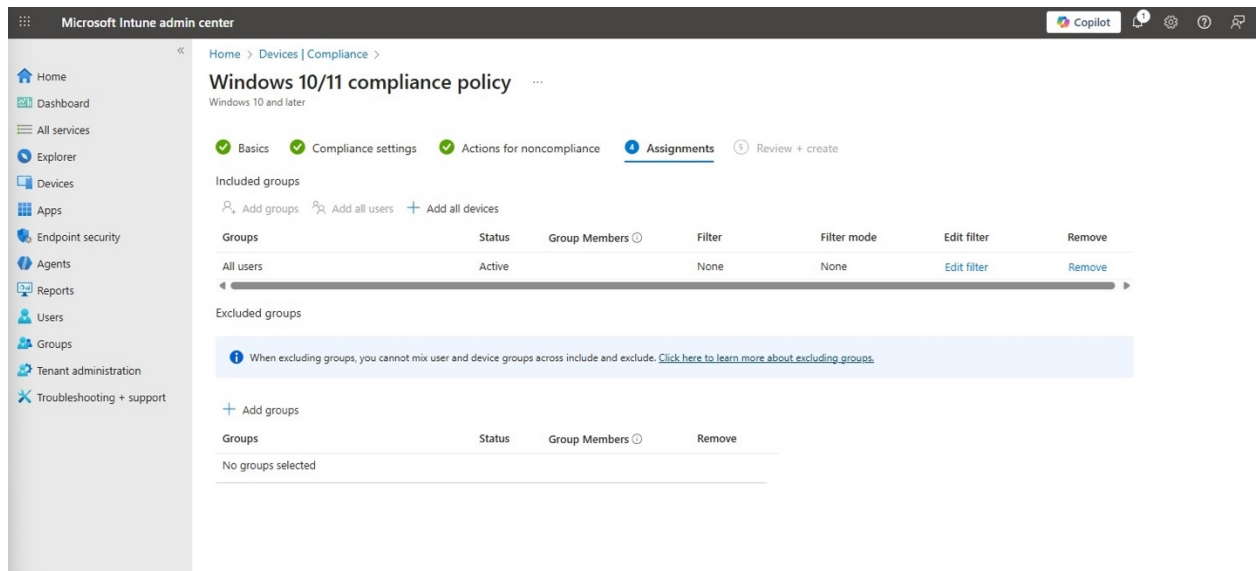
Task 4 - Compliance Policies & Security Baseline (20 pts)

A compliance policy and Microsoft Security Baseline were applied to NV-CLI to enforce organizational security requirements.

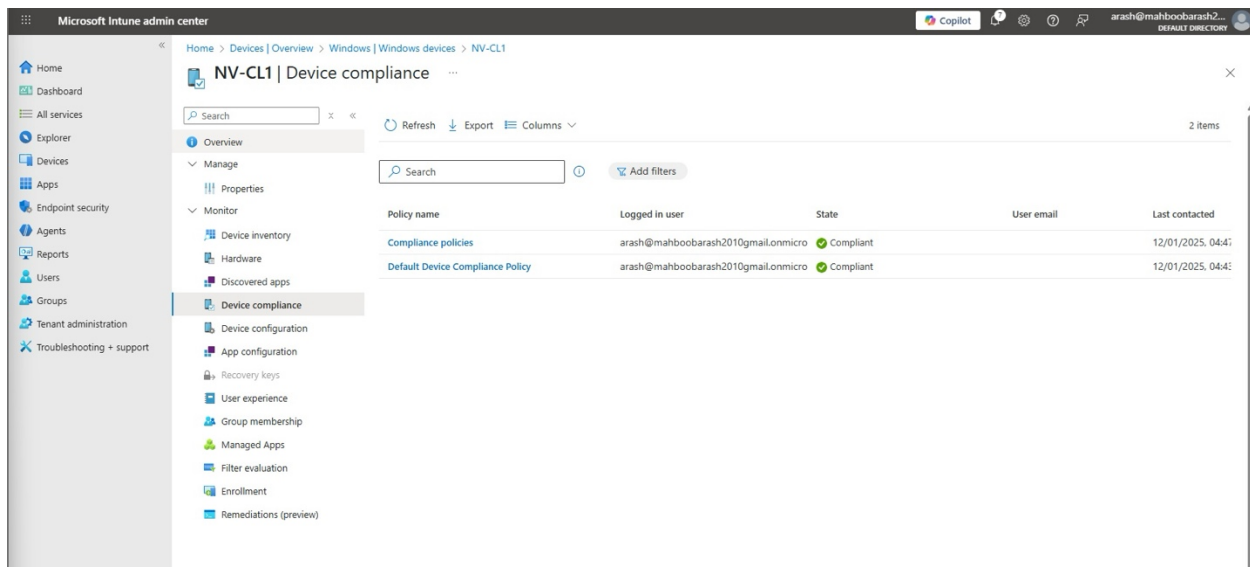
These policies demonstrate how cloud-managed devices are governed by centralized controls.

Required Evidence

8. Evidence 8: Screenshot of the Compliance Policy assignment.



9. Evidence 9: Screenshot of NV-CLI compliance status.



10. Evidence 10: Screenshot of NV-CLI Security Baseline status in Intune.

The screenshot displays the Microsoft Intune admin center interface. The left sidebar shows the navigation menu with categories like Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Agents, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main content area is titled 'NV-CLI' and shows the device's status. The 'Overview' tab is selected, displaying a list of actions (Retire, Wipe, Delete, Remote lock, Sync, Reset passcode, Restart, Fresh Start, Autopilot Reset, Quick scan, Full scan) and a table of device actions status. The table has columns for Action, Status, Date/Time, and Error, and currently shows 'No data'.

Action	Status	Date/Time	Error
No data			

11. Evidence 11: Screenshot of relevant registry paths showing applied baseline settings.

The screenshot shows the Windows Registry Editor. The left pane displays the tree structure, with the path 'Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\PolicyManager\current\device\Browser' selected. The right pane shows a list of registry values with their names, types, and data.

Name	Type	Data
(Default)	REG_SZ	(value not set)
AllowPasswordManager	REG_DWORD	0x00000000 (0)
AllowPasswordManager_ProviderSet	REG_DWORD	0x00000001 (1)
AllowPasswordManager_WinningProvider	REG_SZ	56C254B6-BE47-4B7C-A84B-33FCCC26104E
AllowSmartScreen	REG_DWORD	0x00000001 (1)
AllowSmartScreen_ProviderSet	REG_DWORD	0x00000001 (1)
AllowSmartScreen_WinningProvider	REG_SZ	56C254B6-BE47-4B7C-A84B-33FCCC26104E
PreventCertErrorOverrides	REG_DWORD	0x00000001 (1)
PreventCertErrorOverrides_ProviderSet	REG_DWORD	0x00000001 (1)
PreventCertErrorOverrides_WinningProvider	REG_SZ	56C254B6-BE47-4B7C-A84B-33FCCC26104E
PreventSmartScreenPromptOverride	REG_DWORD	0x00000001 (1)
PreventSmartScreenPromptOverride_ProviderSet	REG_DWORD	0x00000001 (1)
PreventSmartScreenPromptOverride_WinningProvi...	REG_SZ	56C254B6-BE47-4B7C-A84B-33FCCC26104E
PreventSmartScreenPromptOverrideForFiles	REG_DWORD	0x00000001 (1)
PreventSmartScreenPromptOverrideForFiles_Provid...	REG_DWORD	0x00000001 (1)
PreventSmartScreenPromptOverrideForFiles_Winni...	REG_SZ	56C254B6-BE47-4B7C-A84B-33FCCC26104E

Task 5 - Windows Update Ring Configuration (5 pts)

A Windows Update Ring was created and assigned to devices to control how feature and quality updates are delivered.

This ensures predictable update behavior across hybrid-managed devices.

Required Evidence

Evidence 12: Screenshot of the Update Ring configuration summary.

The screenshot displays the Microsoft Intune admin center interface. The left sidebar contains navigation links: Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Agents, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main content area is titled 'Create Update ring for Windows 10 and later' and shows a progress bar with four steps: Basics, Update ring settings, Assignments, and Review + create (the current step). The configuration summary is as follows:

Summary

Basics

Name	NewVue - Update Ring
Description	No Description

Update ring settings

Update settings	
Microsoft product updates	Allow
Windows drivers	Allow
Quality update deferral period (days)	2
Feature update deferral period (days)	7
Upgrade Windows 10 devices to Latest Windows 11 release	No
Set feature update uninstall period (2 - 60 days)	10
Servicing channel	General Availability channel
User experience settings	
Automatic update behavior	Auto install at maintenance time
Active hours start	8 AM
Active hours end	5 PM
Option to pause Windows updates	Enable
Option to check for Windows updates	Enable
Change notification update level	Use the default Windows Update notifications
Use deadline settings	Not configured

Assignments

Included groups

Group	Status	Group Members	Filter
All devices	Active		None
All users	Active		None

Excluded groups

Group	Status	Group Members
No results.		

Task 6 - Remote Device Actions (10 pts)

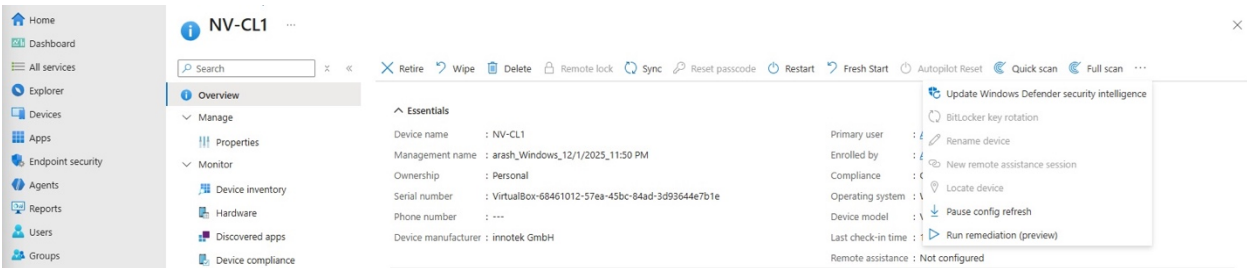
Basic remote management actions were executed from the Intune Admin Center, such as Sync or Restart. This demonstrates remote control and cloud-based management capabilities.

Required Evidence

Evidence 13: Screenshot of the available Remote Actions for NV-CLI.

The screenshot displays the Microsoft Intune admin center interface. The left sidebar contains navigation links: Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Agents, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main content area is titled 'Create Update ring for Windows 10 and later' and includes a breadcrumb trail: Home > Devices | Windows > Windows | Windows updates >. Below the title, there are four tabs: Basics (selected), Update ring settings, Assignments, and Review + create. The 'Update ring settings' tab is active, showing various configuration options. The 'Update settings' section includes: Microsoft product updates (Allow/Block), Windows drivers (Allow/Block), Quality update deferral period (2 days), Feature update deferral period (7 days), Upgrade Windows 10 devices to Latest Windows 11 release (Yes/No), Set feature update uninstall period (10 days), Enable pre-release builds (Not Configured), and Select pre-release channel (Windows Insider - Release Preview). The 'User experience settings' section includes: Automatic update behavior (Auto install at maintenance time), Active hours start (8 AM), Active hours end (5 PM), Option to pause Windows updates (Enable/Disable), Option to check for Windows updates (Enable/Disable), Change notification update level (Use the default Windows Update notifications), Use deadline settings (Not configured), Deadline for feature updates (Number of days, 0 to 30), Deadline for quality updates (Number of days, 0 to 30), Grace period (Number of days, 0 to 7), and Auto reboot before deadline (Yes/No).

Evidence 14: Screenshot confirming execution of one action (e.g., Sync completed).



Task 7 - Device Reporting & Hardware Inventory (10 pts)

Intune reporting features were reviewed to confirm device health, hardware information, and compliance details.

This ensures administrators can accurately track device state and configuration.

Required Evidence

Evidence 15: Screenshot of the Hardware information page for NV-CL1.

The screenshot displays the Microsoft Intune admin center interface. The left sidebar contains navigation options: Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Agents, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main content area is titled 'NV-CL1 | Hardware' and shows a search bar and a list of categories: Overview, Manage, Properties, Monitor, Device inventory, Hardware (selected), Discovered apps, Device compliance, Device configuration, App configuration, Recovery keys, User experience, Group membership, Managed Apps, Filter evaluation, Enrollment, and Remediations (preview). The 'Hardware' section is expanded, showing the following details:

Category	Property	Value
System	Name	NV-CL1
	Management name	arash_Windows_12/1/2025_11:50 PM
	Intune Device ID	424355ca-aab7-4f6e-b760-605f8ec8f214
	Microsoft Entra Device ID	424355ca-aab7-4f6e-b760-605f8ec8f214
	Serial number	VirtualBox-68461012-57ea-43bc-84ad-3d93644e7b1e
	Enrollment profile	
Operating system	Operating system	Windows
	Operating system version	10.0.26100.6899
	Operating system language	en-US
	Operating system edition	Pro
	Operating system SKU	Windows 10/11 Professional (48)
Subscription	Status	
Storage	Total storage space	79.17 GB
	Free storage space	43.48 GB
	Total physical memory	
System enclosure	IMEI	
	MEID	
	Manufacturer	innotek GmbH
	Model	VirtualBox
	Processor Architecture	x64
	Phone number	
	TPM Version	
	TPM manufacturer ID	
	TPM manufacturer version	
	System management BIOS version	
Network details	Subscriber carrier	
	Cellular technology	
	Wi-Fi MAC	
	Ethernet MAC	080027B78A08
	ICCID	
	Wi-Fi IPv4 address	
	Wi-Fi subnet ID	
	Wired IPv4 address	10.0.2.16
Network service		
	Enrolled date	12/1/2025 3:50:30 PM

Evidence 16: Screenshot of the Device Compliance overview for NV-CL1.

The screenshot displays the Microsoft Intune admin center interface. The left navigation pane shows various management options, with 'Device compliance' selected under the 'Monitor' section. The top breadcrumb trail indicates the path: Home > Devices | Overview > Windows | Windows devices > NV-CL1. The main content area is titled 'NV-CL1 | Device compliance' and shows a table of compliance policies. The table has five columns: Policy name, Logged in user, State, User email, and Last contacted. Two policies are listed, both in a 'Compliant' state.

Policy name	Logged in user	State	User email	Last contacted
Compliance policies	arash@mahboobbarash2010gmail.onmicro	Compliant		12/01/2025, 04:41
Default Device Compliance Policy	arash@mahboobbarash2010gmail.onmicro	Compliant		12/01/2025, 04:41