

Microsoft Intune Device Management Project

Project Overview

This project demonstrates the deployment and management of Windows devices using Microsoft Intune and Microsoft Entra ID.

The objective was to configure a modern endpoint management workflow including user creation, automated device enrollment, policy enforcement, and application deployment.

A Windows 10 virtual machine hosted on VMware vSphere was used to simulate a corporate-managed endpoint.

Technologies Used

- Microsoft Entra ID (Azure AD)
- Microsoft Intune
- Windows Autopilot
- VMware vSphere
- Windows 10
- Microsoft Store (Intune-integrated apps)

Identity and User Management

Cloud users were created in Microsoft Entra ID to enable authentication and Intune device enrollment. Entra ID acts as the central identity provider for users and devices in this environment.

Microsoft Intune admin center

Home > Users > Create new user

Create a new internal user in your organization

Basics Properties Assignments Review + create

Basics

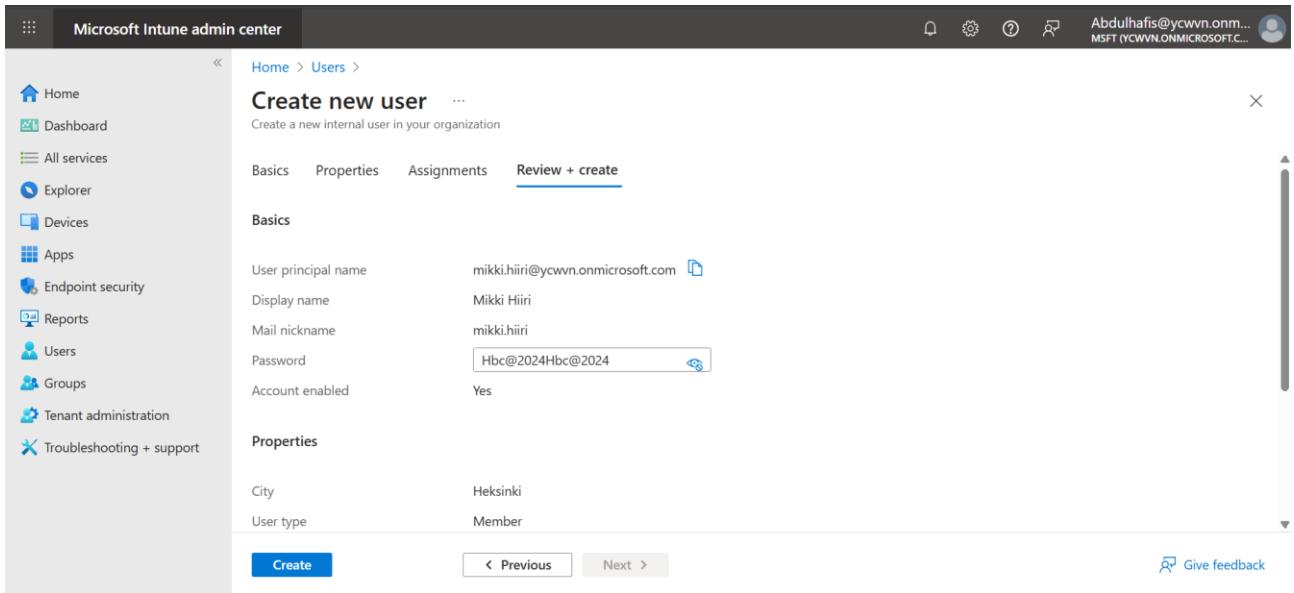
User principal name	mikki.hiiri@ycwn.onmicrosoft.com
Display name	Mikki Hiiri
Mail nickname	mikki.hiiri
Password	Hbc@2024Hbc@2024
Account enabled	Yes

Properties

City	Helsinki
User type	Member

Create < Previous Next > Give feedback

Abdulhafis@ycwn.onmicrosoft.com MSFT (YCWN ONMICROSOFT.COM)

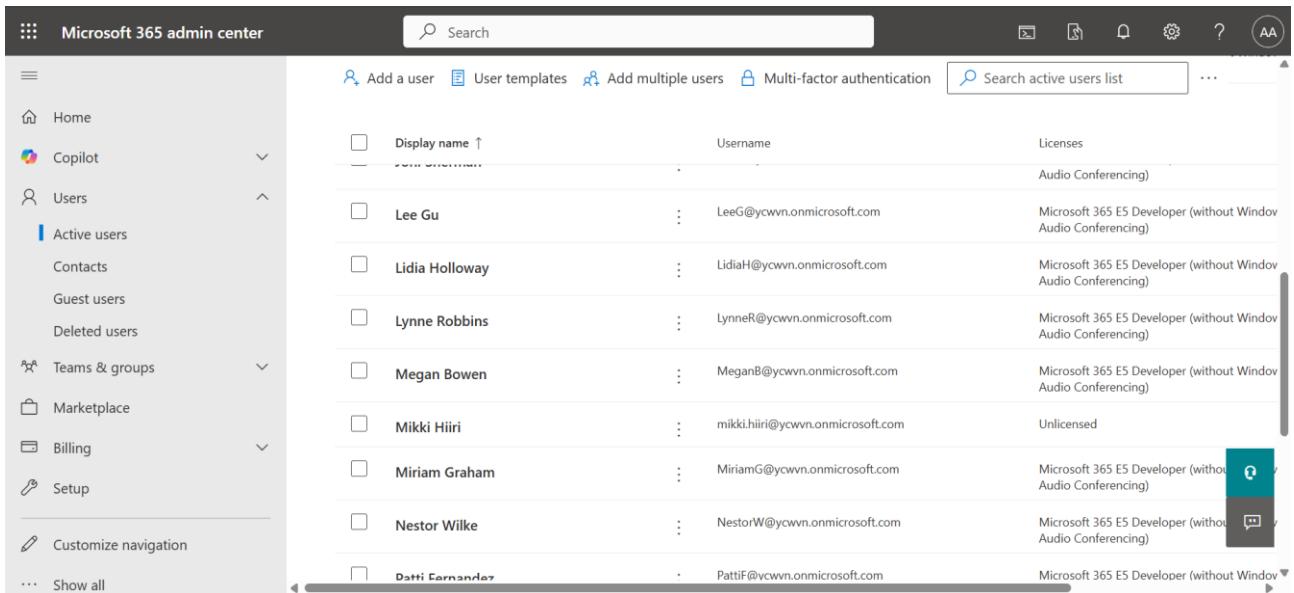


Microsoft 365 admin center

Home Copilot Users Active users Contacts Guest users Deleted users Teams & groups Marketplace Billing Setup Customize navigation Show all

Add a user User templates Add multiple users Multi-factor authentication Search active users list

Display name ↑	Username	Licenses
Lee Gu	LeeG@ycwn.onmicrosoft.com	Microsoft 365 E5 Developer (without Windows Audio Conferencing)
Lidia Holloway	Lidiah@ycwn.onmicrosoft.com	Microsoft 365 E5 Developer (without Windows Audio Conferencing)
Lynne Robbins	LynneR@ycwn.onmicrosoft.com	Microsoft 365 E5 Developer (without Windows Audio Conferencing)
Megan Bowen	MeganB@ycwn.onmicrosoft.com	Microsoft 365 E5 Developer (without Windows Audio Conferencing)
Mikki Hiiri	mikki.hiiri@ycwn.onmicrosoft.com	Unlicensed
Miriam Graham	MiriamG@ycwn.onmicrosoft.com	Microsoft 365 E5 Developer (without Windows Audio Conferencing)
Nestor Wilke	NestorW@ycwn.onmicrosoft.com	Microsoft 365 E5 Developer (without Windows Audio Conferencing)
Datti Fernandez	PattiF@ycwn.onmicrosoft.com	Microsoft 365 E5 Developer (without Windows Audio Conferencing)



Mikki Hiiri

Select location *
Finland

Licenses (1)

Microsoft 365 E5 Developer (without Windows and Audio Conferencing)
7 of 25 licenses available

Apps (76)

Save changes

admin.microsoft.com/Adminportal#/users//UserDetails/13869a77-aab6-4305-addc-1de0858a6314/LicensesAndApps

Mikki Hiiri

Account Devices Licenses and apps Mail OneDrive

Your changes have been saved.

Select location *
Finland

Licenses (1)

Microsoft 365 E5 Developer (without Windows and Audio Conferencing)
7 of 25 licenses available

Save changes

Creating two new users

1. Alexander Jokinen

Microsoft 365 admin center

Search

Home

Copilot

Users

Teams & groups

Marketplace

Billing

Setup

Customize navigation

Show all

Alexander Jokinen

AL

Select location *

Finland

Reset password Block sign-in Delete user

Licenses (1)

Microsoft 365 E5 Developer (without Windows and Audio Conferencing)
6 of 25 licenses available

Apps (76)

Save changes

This screenshot shows the Microsoft 365 Admin Center interface. On the left is a navigation sidebar with links like Home, Copilot, Users, etc. The main area displays a user profile for 'Alexander Jokinen' with a blue circular icon containing 'AL'. Below the name are options to 'Reset password', 'Block sign-in', or 'Delete user'. A dropdown menu for 'Select location' is set to 'Finland'. Under the 'Licenses' section, a single license for 'Microsoft 365 E5 Developer (without Windows and Audio Conferencing)' is assigned, with a note that 6 of 25 licenses are available. The 'Save changes' button is at the bottom.

Microsoft 365 admin center

Search

Home

Copilot

Users

Teams & groups

Marketplace

Billing

Setup

Customize navigation

Show all

Emmi Pavola

EM

Reset password Block sign-in Delete user

Account Licenses and apps

Your changes have been saved.

Select location *

Finland

Licenses (1)

Microsoft 365 E5 Developer (without Windows and Audio Conferencing)

Save changes

This screenshot shows the Microsoft 365 Admin Center interface. It follows a similar layout to the first one, with a navigation sidebar on the left. The main area displays a user profile for 'Emmi Pavola' with a blue circular icon containing 'EM'. Below the name are options to 'Reset password', 'Block sign-in', or 'Delete user'. A dropdown menu for 'Select location' is set to 'Finland'. Under the 'Licenses' section, a single license for 'Microsoft 365 E5 Developer (without Windows and Audio Conferencing)' is assigned. A green banner at the top indicates that changes have been saved. The 'Save changes' button is at the bottom.

Device Enrollment and Management Configuration

Microsoft Entra ID and Microsoft Intune were configured to allow devices to join the tenant and enroll into Intune for centralized management. Device join and registration settings enable users to onboard Windows devices, while the Intune MDM user scope ensures enrolled devices are automatically managed, allowing policies, compliance settings, and applications to be applied.

The screenshot shows the Microsoft Entra admin center interface. The left sidebar is titled "Devices" and includes sections for Home, Agents, Favorites, Entra ID, Overview, Users, Groups, Devices, Enterprise apps, App registrations, Roles & admins, and Delegated admin partners. The main content area is titled "Devices | Device settings" and "MSFT - Microsoft Entra ID". It displays "Microsoft Entra join and registration settings". Under "Users may join devices to Microsoft Entra", the "All" button is selected. Under "Users may register their devices with Microsoft Entra", the "None" button is selected. A note states "Require Multifactor Authentication to register or join devices with Microsoft Entra" with options "Yes" and "No". At the bottom are "Save", "Discard", and "Got feedback?" buttons.

The screenshot shows the Microsoft Entra admin center interface. The left sidebar is titled "Microsoft Intune" and includes sections for Authentication methods, Password reset, Custom security attributes, Certificate authorities, External Identities, Cross-tenant synchronization, Entra Connect, Domain names, Custom branding, Mobility, Monitoring & health, and ID Protection. The main content area is titled "Microsoft Intune". It shows configuration for "MDM user scope" (set to "All"), "MDM terms of use URL" (https://portal.manage.microsoft.com/TermsofUse.aspx), "MDM discovery URL" (https://enrollment.manage.microsoft.com/enrollmentserver/discovery.svc), "MDM compliance URL" (https://portal.manage.microsoft.com/?portalAction=Compliance), and "Windows Information Protection (WIP) user scope" (set to "None"). At the bottom are "Save", "Discard", and "Delete" buttons.

Dynamic Device Group Configuration

A dynamic device group was created in Microsoft Intune to automatically include Windows 10 devices based on defined membership rules.

This group was used to assign policies, applications, and enrollment profiles, reducing the need for manual device management.

The screenshot shows the 'Dynamic membership rules' configuration page in the Microsoft Intune admin center. The left sidebar lists various Entra ID and Microsoft 365 services. The main area shows a table for defining rules:

And/Or	Property	Operator	Value
And	<Choose a Property>	<Choose an Operator>	Add a value

Below the table, there's a note about items not being displayed in the rule builder and a 'Rule syntax' text box containing the query: '(device.devicePhysicalIds -any_-startswith"[OrderID]:DEMO2021")'. A 'Edit' button is located next to the syntax box.

The screenshot shows the 'Uusi dynaaminen laite ryhma' (New dynamic device group) overview page in the Microsoft Intune admin center. The left sidebar is identical to the previous screenshot. The main area displays the group details:

Basic information

Uusi dynaaminen laite ryhma

Membership type	Dynamic
Source	Cloud
Type	Security
Object ID	b133b34c-d9fd-4c17-9dae-0e4787f543ec
Created on	9/14/2025, 9:33 AM

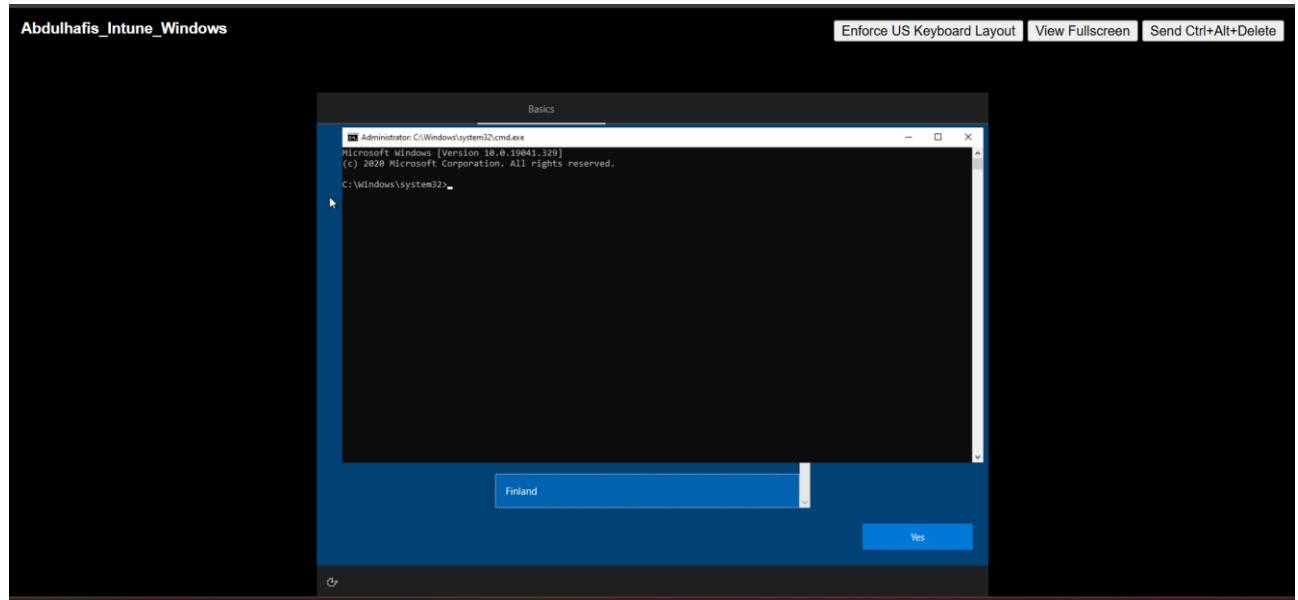
Device Deployment Environment

A Windows 10 virtual machine was deployed using VMware vSphere. The VM was used as a test client to validate enrollment, policy assignment, and application deployment through Intune.

The screenshot shows the vSphere Client interface. The left sidebar displays a tree view of datacenters, hosts, and clusters under the root folder 'labvc.bc.local'. The main pane is titled 'Abdulhafis_Intune_Windows' and shows the following details:

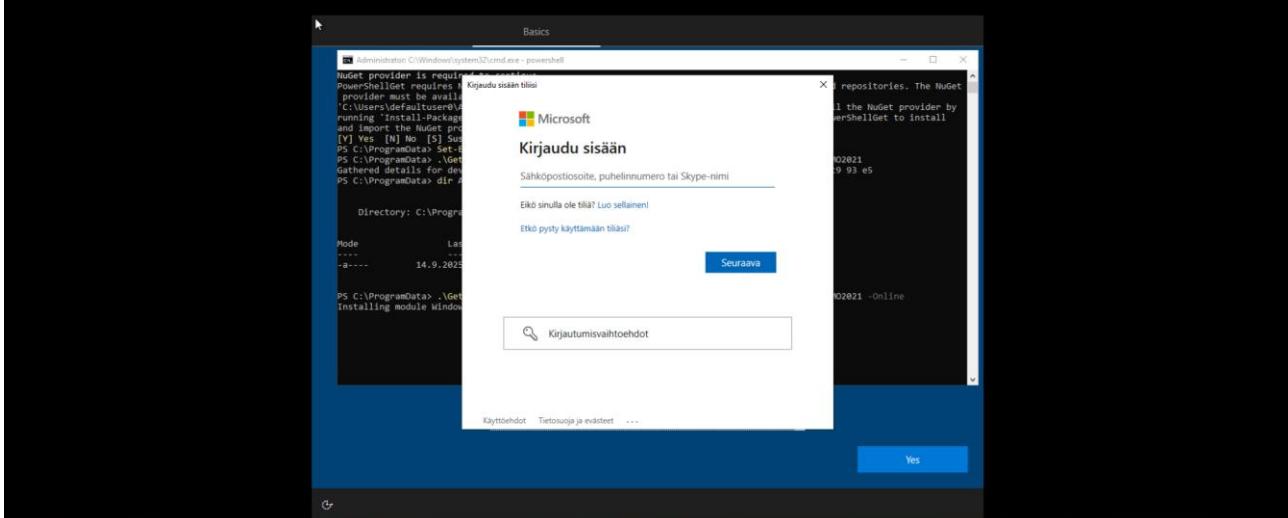
- Summary** tab selected.
- Guest OS:** Microsoft Windows 10 (64-bit)
- Compatibility:** ESXi 7.0 U2 and later (VM version 19)
- VMware Tools:** Not running, not installed
- MORE INFO** link
- DNS Name:** IP Addresses: Host: 10.34.16.35
- LAUNCH WEB CONSOLE** and **LAUNCH REMOTE CONSOLE** buttons
- CPU USAGE:** 0 Hz
- MEMORY USAGE:** 0 B
- STORAGE USAGE:** 4.08 GB
- A yellow warning message: **VMware Tools is not installed on this virtual machine.** with a **Install VMware Tools...** button.

At the bottom, there are sections for **Recent Tasks** and **Alarms**, and a table for **Task Name**, **Target**, **Status**, **Details**, **Initiator**, **Queued For**, and **Start Time**. The table shows 10 items.



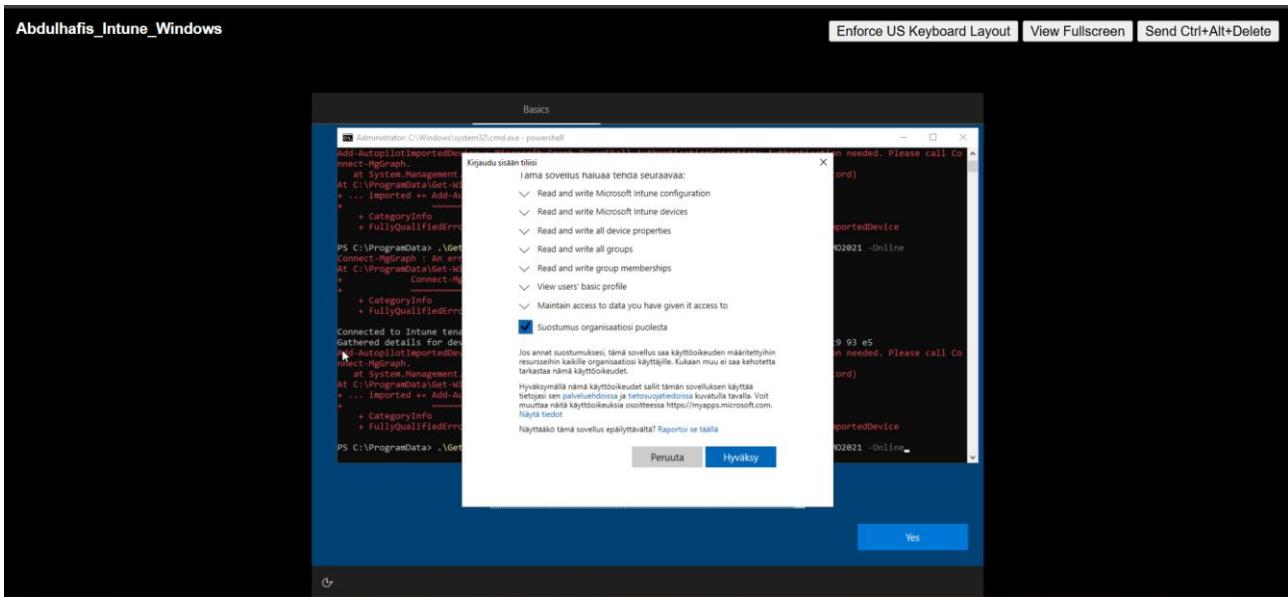
The screenshot shows a Windows PowerShell window running as Administrator. The command executed is:

```
[Administrator: C:\Windows\system32\cmd.exe - powershell  
Microsoft Windows [Version 10.0.19041.329]  
(c) 2020 Microsoft Corporation. All rights reserved.  
C:\Windows\system32>powershell  
Windows PowerShell  
Copyright (c) Microsoft Corporation. All rights reserved.  
Try the new cross-platform PowerShell https://aka.ms/powershell6  
PS C:\Windows\system32> cd C:\ProgramData  
PS C:\ProgramData> Save-Script -Name Get-WindowsAutoPilotInfo -Path C:\ProgramData  
NuGet provider is required to continue  
PowerShellGet requires NuGet provider version '2.8.5.201' or newer to interact with NuGet-based repositories. The NuGet provider must be available in 'C:\Program Files\PackageManagement\ProviderAssemblies' or '  
'C:\Windows\system32\WindowsPowerShell\v1.0\provider\Microsoft.PowerShell.PackageManagementProviderAssemblies'. You can also install the NuGet provider by  
running 'Install-PackageProvider -Name NuGet -MinimumVersion 2.8.5.201 -Force'. Do you want PowerShellGet to install  
and import the NuGet provider now?  
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y")  
PS C:\ProgramData> Set-ExecutionPolicy Bypass -Scope Process  
PS C:\ProgramData> .\Get-WindowsAutoPilotInfo.ps1 -OutputFile .\AutopilotHash.csv -GroupTag DEMO2021  
Gathered details for device with serial number: VMware-421f2828ed3b1b944f166a6dcb993e5  
PS C:\ProgramData> dir AutopilotHash.csv  
  
Directory: C:\ProgramData  
  
Mode LastWriteTime Length Name  
----   
----  
-a--- 14.9.2021 02821 AutopilotHash.csv  
  
Finland  
  
Yes
```

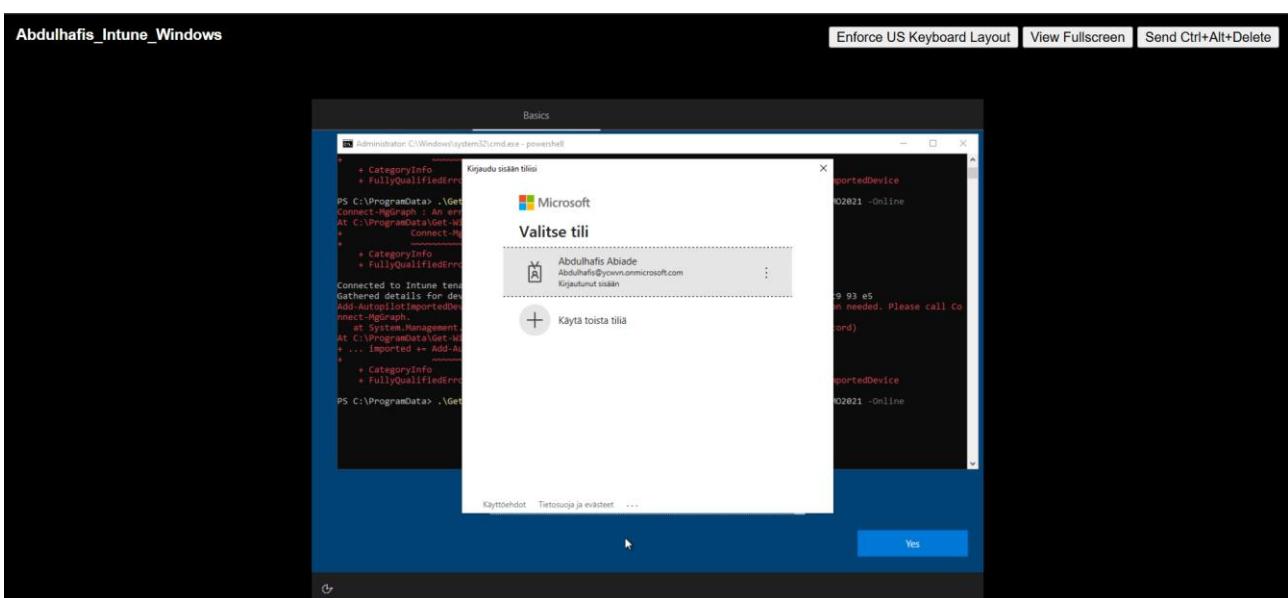


Abdulhafis_Intune_Windows

Enforce US Keyboard Layout | View Fullscreen | Send Ctrl+Alt+Delete

**Abdulhafis_Intune_Windows**

Enforce US Keyboard Layout | View Fullscreen | Send Ctrl+Alt+Delete



```

Administrator: C:\Windows\system32\cmd.exe -powershell
PS C:\ProgramData\...\Get-WindowsAutoPilotInfo.ps1 -OutputFile ..\AutopilotHash.csv -GroupTag DEMO2021 -Online
Welcome to Microsoft Graph!
Connected via delegated access using 14d82ec-204b-4c2f-b7e8-296a70dab67e
Readme: https://aka.ms/graph/sdk/powershell
SDK Docs: https://aka.ms/graph/sdk/powershell/docs
API Docs: https://aka.ms/graph/docs

NOTE: You can use the -NoWelcome parameter to suppress this message.

Connected to Intune tenant d8d16e82-e2fc-4b64-b708-5e01cd579b00
Gathered details for device with serial number: VMware-42 1f 28 28 ed 3b 1b 94-4f 16 6a 6d cb c9 93 e5
Waiting for 1 of 1 to be imported
Waiting for 1 of 1 to be imported
Waiting for 0 of 1 to be imported
Waiting for 0 of 1 to be imported
VMware-42 1f 28 28 ed 3b 1b 94-4f 16 6a 6d cb c9 93 e5: error 806 ZtdDeviceAlreadyAssigned
0 devices imported successfully. Elapsed time to complete import: 93 seconds
All devices imported successfully. Elapsed time to complete sync: 1 seconds
PS C:\ProgramData>

```

	Serial number	Manufacturer	Model	Group tag	Profile status	Purchase order	Userless Enrollment Sta
<input type="checkbox"/>	VMware-42 1f 28 28 ed...	VMware, Inc.	VMware7,1	DEMO2021	Not assigned		Unknown

Application Deployment Using Dynamic Device Groups

Applications were added to Microsoft Intune and assigned to a dynamic device group to enable automated deployment. By targeting the dynamic group, applications such as Microsoft 365 Apps are installed automatically on enrolled Windows devices, ensuring consistent software delivery without manual user intervention.

Microsoft Intune admin center

Home > Apps | Overview > Windows | Windows apps

Search: Create Refresh

Windows apps

- Monitor
- Manage apps
- Configuration
- Protection
- S mode supplemental policies
- Policies for Microsoft 365 apps
- App selective wipe
- Quiet time
- Organize apps
- Assignment filters

Add or remove favorites by pressing **Ctrl+Shift+F**

Select app type

Create app

App type: Windows 10 and later

Microsoft 365 Apps for Windows 10 and later

Add Microsoft 365 Apps to install your choice of Microsoft 365 Apps on managed devices running Windows 10 or later. Users must have an account and license to use these apps.

Learn more about Microsoft 365 apps for Windows 10 and later

Select Cancel

This screenshot shows the Microsoft Intune admin center interface. On the left, there's a sidebar with various service icons like Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main area shows a list of Windows apps with options like Monitor, Manage apps, Configuration, Protection, S mode supplemental policies, Policies for Microsoft 365 apps, App selective wipe, Quiet time, Organize apps, and Assignment filters. Below this, there's a note about adding Microsoft 365 Apps to managed devices running Windows 10 or later. A modal window titled 'Select app type' is open, showing a dropdown menu set to 'Windows 10 and later'. Another modal, 'Add Microsoft 365 Apps', is also visible, detailing settings for the app type, such as architecture (32-bit selected), file format (Office Open XML Format), update channel (Current Channel (Preview)), and properties like shared computer activation and accepting the Microsoft Software License Terms.

Microsoft Intune admin center

Home > Apps | Overview > Windows | Windows apps >

Add Microsoft 365 Apps

Microsoft 365 Apps (Windows 10 and later)

Architecture: 32-bit

Default file format: Office Open XML Format

Update channel: Current Channel (Preview)

Remove other versions: Yes

Version to install: Latest

Specific version: Latest version

Properties

Use shared computer activation: No

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

Install background service for Microsoft: Yes

Previous Next

This screenshot shows the 'Add Microsoft 365 Apps' configuration page. It includes fields for architecture (32-bit selected), default file format (Office Open XML Format), update channel (Current Channel (Preview)), and options for removing other versions and specifying a version. There are also sections for properties like shared computer activation and accepting the Microsoft Software License Terms. At the bottom, there are 'Previous' and 'Next' buttons.

Microsoft Intune admin center

Home > Apps | Overview > Windows | Windows apps >

Add Microsoft 365 Apps

Microsoft 365 Apps (Windows 10 and later)

App suite information Configure app suite Assignments Review + create

Required

Group mode	Group	Filter mode	Filter
Included	Uusi dynaaminen laite ryhma	None	None

+ Add group + Add all users + Add all devices

Available for enrolled devices

Group mode	Group	Filter mode	Filter
No assignments			

+ Add group + Add all users

Previous Next

Adding business store apps (now Microsoft store apps)

Microsoft Intune admin center

Home > Apps

Apps | All Apps

Search Create Refresh Export Columns

Overview All Apps Monitor Platforms

Platforms: Windows, iOS/iPadOS, macOS, Android

Manage apps Configuration Protection

iOS app provisioning profiles

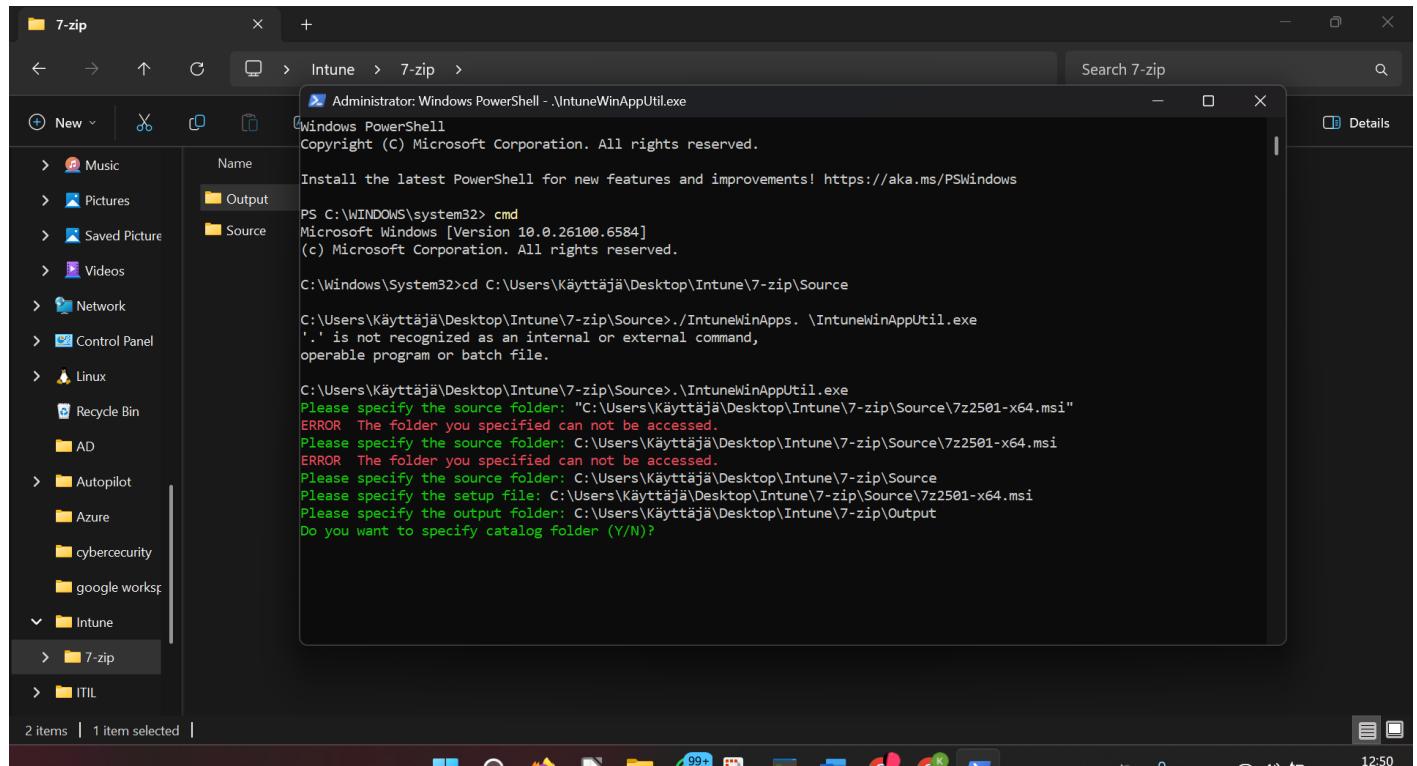
Search Add filters

Name ↑	Platform	Type	Version
Audio Editor - Music Maker & MP3	Windows	Microsoft Store app (new)	
Fresh Paint	Windows	Microsoft Store app (new)	
Microsoft 365 Apps for Windows 1	Windows	Microsoft 365 Apps (Wi...)	
Microsoft Whiteboard	Windows	Microsoft Store app (new)	
OneNote	Windows	Microsoft Store app (new)	

Add or remove favorites by pressing Ctrl+Shift+F

Win32 Application Packaging and Deployment (7-Zip)

The 7-Zip application was packaged as a Win32 app using the Microsoft Intune Win32 Content Prep Tool and uploaded to Microsoft Intune. The application was configured with installation parameters and metadata, then assigned to a dynamic device group to enable automatic installation on enrolled Windows devices.



The screenshot shows a Windows desktop environment. In the foreground, there is a Windows File Explorer window titled "7-zip". The left sidebar shows various folder categories like Music, Pictures, Saved Picture, Videos, Network, Control Panel, Linux, Recycle Bin, AD, Autopilot, Azure, cybersecurity, google workspace, and Intune. Under the Intune category, two folders are listed: "7-zip" and "ITIL". The main pane displays a file tree with "Output" and "Source" folders. An open PowerShell window titled "Administrator: Windows PowerShell - .\IntuneWinAppUtil.exe" is overlaid on the File Explorer. The PowerShell session shows the command PS C:\WINDOWS\system32> cmd being run, followed by a series of error messages from the IntuneWinAppUtil.exe tool. These errors relate to specifying source and output paths for a MSI setup file. The errors are:

```
PS C:\WINDOWS\system32> cmd
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source
C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source>./IntuneWinApps. \IntuneWinAppUtil.exe
'.' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source>.\IntuneWinAppUtil.exe
Please specify the source folder: "C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source\7z2501-x64.msi"
ERROR The folder you specified can not be accessed.
Please specify the source folder: C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source\7z2501-x64.msi
ERROR The folder you specified can not be accessed.
Please specify the source folder: C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source
Please specify the setup file: C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source\7z2501-x64.msi
Please specify the output folder: C:\Users\Käyttäjä\Desktop\Intune\7-zip\Output
Do you want to specify catalog folder (Y/N)?
```

```
Administrator: Windows PowerShell
501-x64.intunewin'
INFO Calculated size for folder 'C:\Users\Käyttäjä\AppData\Local\Temp\9fd2ce58-cbb9-4412-a3bd-4aef36e45670\IntuneWinPackage' is 1980259 within 0 milliseconds
INFO Compressed folder 'C:\Users\Käyttäjä\AppData\Local\Temp\9fd2ce58-cbb9-4412-a3bd-4aef36e45670\IntuneWinPackage' successfully within 43 milliseconds
INFO Removing temporary files
INFO Removed temporary files within 14 milliseconds
INFO File 'C:\Users\Käyttäjä\Desktop\Intune\7-zip\Output\7z2501-x64.intunewin' has been generated successfully

[=====] 100%                                         INFO Done!!!

C:\Users\Käyttäjä\Desktop\Intune\7-zip\Source>
```

The screenshot shows the Microsoft Intune admin center interface. On the left, there's a navigation sidebar with various options like Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main area is titled 'Home > Apps' and shows a list of 'All Apps'. A search bar and a 'Create' button are visible. A modal window titled 'Select app type' is open over the main interface. It has a dropdown menu set to 'Windows app (Win32)'. Below it, a list of apps is shown: Audio Editor - Music Maker & (selected), Fresh Paint, Microsoft 365 Apps for Windows, Microsoft Whiteboard, and OneNote. At the bottom of the modal are 'Select' and 'Cancel' buttons.

Microsoft Intune admin center

Home > Apps | All Apps >

Add App

Windows app (Win32)

Category: 0 selected

Show this as a featured app in the Company Portal: No

Information URL: Enter a valid url

Privacy URL: Enter a valid url

Developer:

Owner:

Notes:

Logo: Select image

Previous Next

https://intune.microsoft.com/#home

7zip logo

Microsoft Intune admin center

Home > Apps | All Apps >

Add App

Windows app (Win32)

Category: 0 selected

Show this as a featured app in the Company Portal: No

Information URL: Enter a valid url

Privacy URL: Enter a valid url

Developer:

Owner:

Notes:

Logo: Select image

Previous Next

Logo

Logo: "7ziplogo.png"



OK

Microsoft Intune admin center

Home > Apps | All Apps >

Add App

Windows app (Win32)

Information URL: Enter a valid url

Privacy URL: Enter a valid url

Developer: [empty]

Owner: [empty]

Notes: [empty]

Logo: Change image


Previous Next

Microsoft Intune admin center

Home > Apps | All Apps >

Add App

Windows app (Win32)

App information Program Requirements Detection rules Dependencies Supersedence

Specify the commands to install and uninstall this app:

Install command *: msieexec /i "7z2501-x64.msi" /qn

Uninstall command *: msieexec /x "[23170F69-40C1-2702-2501-000001000000]" /qn

Installation time required (mins): 60

Allow available uninstall: Yes No

Install behavior: System User

Device restart behavior: App install may force a device restart

Specify return codes to indicate post-installation behavior:

Previous Next

Microsoft Intune admin center

Add App Windows app (Win32)

App information Program Requirements Detection rules Dependencies Supersedence

Specify the requirements that devices must meet before the app is installed:

Check operating system architecture *

Yes. Specify the systems the app can be installed on.

No. Allow this app to be installed on all systems.

Install on x86 system

Install on x64 system

Install on ARM64 system

Minimum operating system * Windows 10 1607

Disk space required (MB)

Physical memory required (MB)

Minimum number of logical processors

Previous Next

Microsoft Intune admin center

Add App Windows app (Win32)

App information Program Requirements Detection rules Dependencies Supersedence

Configure app specific rules used to detect the presence of the app.

Rules format * Manually configure detection rules

Type Path/Code

MSI (23170F69-40C1-2702-2501-000001000000)

+ Add

Previous Next

Microsoft Intune admin center

Home > Apps | All Apps >

Add App

Windows app (Win32)

Requirements Detection rules Dependencies Supersedence Assignments

Required

Group mode Group Filter mode Filter End user notifications Availability Installat

Included Usi dynaaminen laite ... None None Show all toast notifications As soon as possible As soon

+ Add group + Add all users + Add all devices

Available for enrolled devices

Group mode Group Filter mode Filter End user notifications Availability Restart

Previous Next

Abdulhafis@ycwvn.onm... MSFT (YCWN.ONMICROSOFT.C...

Microsoft Intune admin center

Home > Apps | All Apps >

Add App

Windows app (Win32)

Requirements Detection rules Dependencies Supersedence Assignments Review + create

Summary

App information

App package file	7z2501-x64.intunewin
Name	7-Zip 25.01 (x64 edition)
Description	7-Zip 25.01 (x64 edition)
Publisher	Ivor Pavlo
App Version	25.01.00.0
Category	No Category

Previous Create

Abdulhafis@ycwvn.onm... MSFT (YCWN.ONMICROSOFT.C...

The screenshot shows the Microsoft Intune admin center interface. On the left, there's a navigation sidebar with various options like Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main content area is titled '7-Zip 25.01 (x64 edition)' under 'Client Apps'. It has tabs for Overview, Manage, Properties, Monitor, and Essentials. The Overview tab is selected. A note says 'Your app is not ready yet. If app content is uploading, wait for it to finish. If app content is not uploading, try creating the app again.' In the Essentials section, it shows the Publisher (Ivor Pavlo), Operating system (Windows), Version (25.01.00.0), Created date (9/23/2025, 11:12:44 AM), Assigned status (No), and App package file (7z501-x64.intunewin). Below this is a 'Device status' section with a large grey placeholder.

Enrollment Profiles and Policy Assignment

Windows Autopilot was configured to automate device provisioning.

The following profiles were assigned to the dynamic device group:

- Windows Autopilot Deployment Profile
- Enrollment Status Page (ESP)
- Enrollment Restrictions
- Configuration Profiles
- Compliance Policies

During enrollment, the device was automatically registered in Entra ID and enrolled into Intune.

Microsoft Intune admin center

Home > Devices | Windows > Windows | Enrollment > Enrollment Status Page >

Create profile

Basics Settings Assignments Scope tags Review + create

Summary

Basics

Name	Enrollment Status Page for Autopilot Demo
Description	No Description

Settings

Show app and profile configuration progress	Yes
Show an error when installation takes longer than specified number of minutes	120
Show custom message when time limit or error occurs	Yes

Error message: Installation exceeded the time limit set by your organization. Please try again.

Previous Create

Microsoft Intune admin center

Home > Devices | Windows > Windows | Enrollment > Enrollment Status Page >

Create profile

page for end users

Only show page to devices provisioned by out-of-box experience (OOBE)	Yes
Install Windows updates (might restart the device)	Yes
Block device use until all apps and profiles are installed	Yes
Allow users to reset device if installation error occurs	Yes
Allow users to use device if installation error occurs	Yes
Only fail selected blocking apps in technician phase	Yes
Block device use until required apps are installed if they are assigned to the user/device	7-Zip 25.01 (x64 edition) Audio Editor - Music Maker & MP3 Converter Fresh Paint Microsoft 365 Apps for Windows 10 and later Microsoft Whiteboard OneNote

Previous Create

Microsoft Intune admin center

Home > Devices | Windows > Windows | Enrollment >

Enrollment Status Page

Windows enrollment

+ Create ⏪ Refresh ⏴ Export ⏷ Columns

The enrollment status page appears during initial device setup and during first user sign in. If enabled, users can see the configuration progress of assigned apps and policies targeted to their device. [Learn more](#)

Priority	Name	Assigned	...
1	Enrollment Status Page for Autopilot Demo	Yes	...
Default	All users and all devices	Yes	

Microsoft Intune admin center

Home > Devices | Overview > Windows | Enrollment > Enrollment Status Page > Enrollment Status Page for Autopilot Demo

Enrollment Status Page for Autopilot Demo | Properties

Search Basics Edit

Overview Name Enrollment Status Page for Autopilot Demo
Description No Description

Manage

Properties Settings Edit

Show app and profile configuration progress	Yes
Show an error when installation takes longer than specified number of minutes	120
Show custom message when time limit or error occurs	Yes
Error message	Installation exceeded the time limit set by your organization. Please try again or contact your IT support person for help.
Turn on log collection and diagnostics page for end users	Yes
Only show page to devices provisioned by out-of-box experience (OOBE)	Yes
Install Windows updates (might restart)	Yes

Microsoft Intune admin center

Home > Devices | Overview > Windows | Enrollment > Enrollment Status Page > Enrollment Status Page for Autopilot Demo

Enrollment Status Page for Autopilot Demo | Properties

Search

Overview

Manage

Properties

Turn on log collection and diagnostics page for end users	Yes
Only show page to devices provisioned by out-of-box experience (OOBE)	Yes
Install Windows updates (might restart the device)	Yes
Block device use until all apps and profiles are installed	Yes
Allow users to reset device if installation error occurs	Yes
Allow users to use device if installation error occurs	Yes
Only fail selected blocking apps in technician phase	Yes
Block device use until required apps are installed if they are assigned to the user/device	7-Zip 25.01 (x64 edition) Audio Editor - Music Maker & MP3 Converter Fresh Paint Microsoft 365 Apps for Windows 10 and later Microsoft Whiteboard OneNote

intune.microsoft.com/#view/Microsoft_Intune_Workflows/SettingsCatalogWizardBlade/mode/create/platform/windows10/policyType...

Microsoft Intune admin center

Home

Dashboard

All services

Explorer

Devices

Apps

Endpoint security

Reports

Users

Groups

Tenant administration

Troubleshooting + support

Create profile

Windows 10 and later - Settings catalog

Basics Configuration

+ Add settings

OneDrive

86 of 89 settings in this category

Silently move Windows OneDrive

Prompt users to move V folders to OneDrive

Silently sign in users to sync their Windows OneDrive

Setting name

Select all these settings

77 results in the "OneDrive" category

Silently sign in users to the OneDrive sync app with their Windows credentials

Specify SharePoint Server URL and organization name

Specify the OneDrive location in a hybrid environment

Sync Admin Reports

Use OneDrive Files On-Demand

Previous Next

Home > Devices | Overview > Windows | Windows devices > AUTOP-DCBC993E5

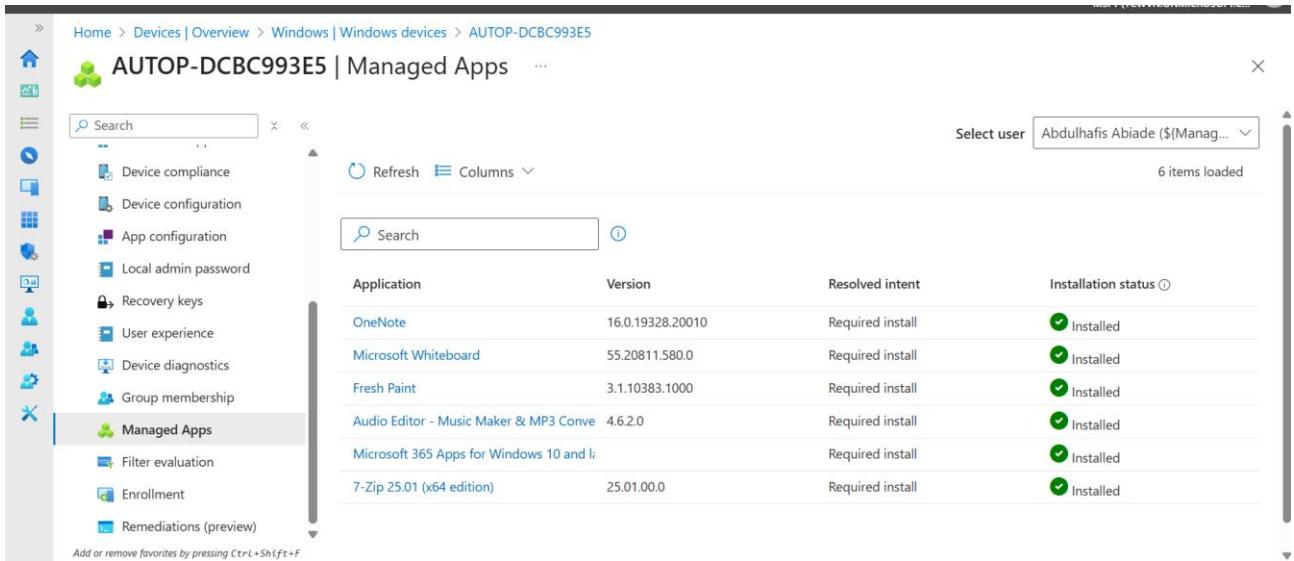
AUTOP-DCBC993E5 | Managed Apps

Select user: Abdulhafis Abiade (\$!Manag...)

6 items loaded

Application	Version	Resolved intent	Installation status
OneNote	16.0.19328.20010	Required install	Installed
Microsoft Whiteboard	55.20811.580.0	Required install	Installed
Fresh Paint	3.1.10383.1000	Required install	Installed
Audio Editor - Music Maker & MP3 Conve	4.6.2.0	Required install	Installed
Microsoft 365 Apps for Windows 10 and i		Required install	Installed
7-Zip 25.01 (x64 edition)	25.01.00.0	Required install	Installed

Add or remove favorites by pressing **Ctrl+Shift+F**



intune.microsoft.com/#view/Microsoft_Intune_Workflows/SettingsCatalogWizardBlade/mode/create/platform/windows10/policyType...

Microsoft Intune admin center

Home > Windows | Configuration >

Create profile

Windows 10 and later - Settings catalog

+ Add settings

Microsoft Edge

Startup, home page and new tab page

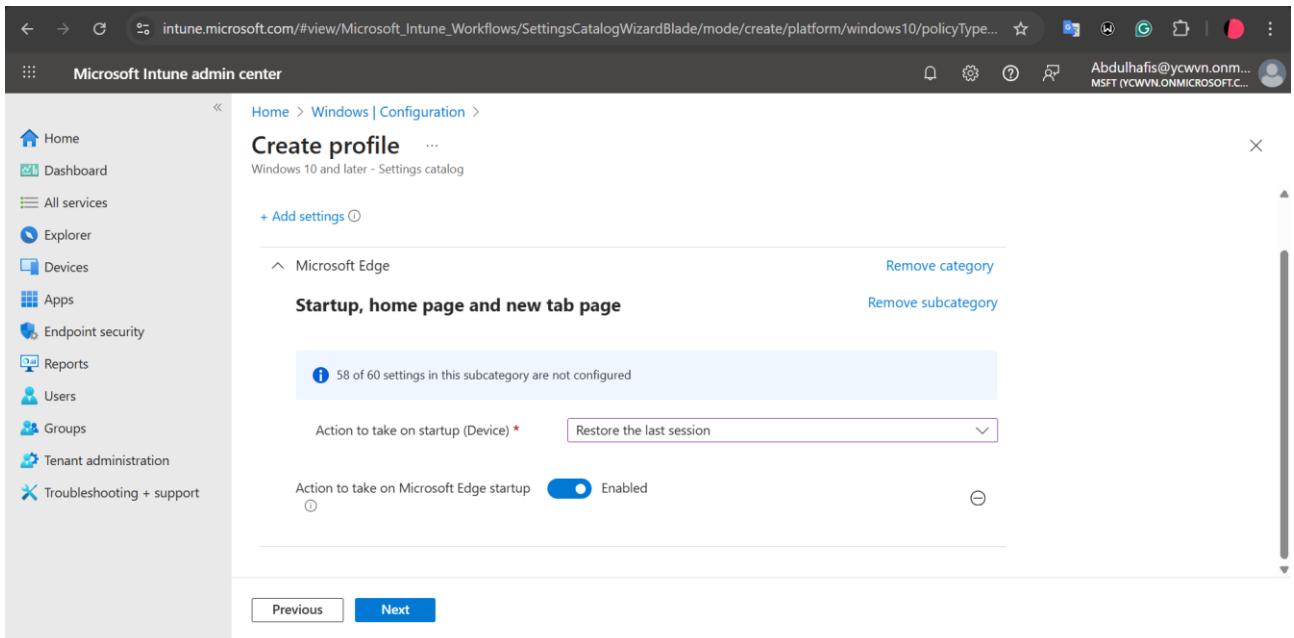
Remove category

58 of 60 settings in this subcategory are not configured

Action to take on startup (Device) *: Restore the last session

Action to take on Microsoft Edge startup: Enabled

Previous Next



Configuration settings

The screenshot shows the Microsoft Intune admin center interface. The left sidebar includes Home, Dashboard, All services, Explorer, Devices, Apps, Endpoint security, Reports, Users, Groups, Tenant administration, and Troubleshooting + support. The main content area is titled "Device restrictions" under "Windows 10 and later". It lists "Messaging", "Microsoft Edge Legacy (Version 45 and earlier)", "Network proxy", and "Password". Under "Password", there are configuration options: "Required" (set to "Require"), "Not configured"; "Required password type" (set to "Alphanumeric"); "Password complexity" (set to "Numbers, lowercase, uppercase and special characters required"); "Minimum password length" (set to "6"); "Number of sign-in failures before wiping device" (set to "10"); and "Maximum minutes of inactivity until" (set to "30 minutes"). Navigation buttons "Previous" and "Next" are at the bottom.

Enrollment

The screenshot shows the Microsoft Intune admin center interface. The left sidebar includes Home, Devices | Overview, Windows | Enrollment, and Enrollment restrictions. The main content area is titled "Create restriction" under "Device type restriction". It has tabs: Basics (selected), Platform settings, Scope tags, Assignments, and Review + create. The "Platform settings" tab is active. A note says: "Specify the platform configuration restrictions that must be met for a device to enroll. Use compliance policies to restrict devices after enrollment. Define versions as major.minor.build. Version restrictions only apply to devices enrolled with the Company Portal. Intune classifies devices as personally-owned by default. Additional action is required to classify devices as corporate-owned. [Learn more](#)". Configuration sections include "MDM" (Allow selected), "Allow min/max range" (Min and Max buttons), and "Personally owned devices" (Allow selected). Navigation buttons "Previous" and "Next" are at the bottom.

Compliance

Microsoft Intune admin center

Home > Devices | Overview > Windows | Compliance >

Windows 10/11 compliance policy

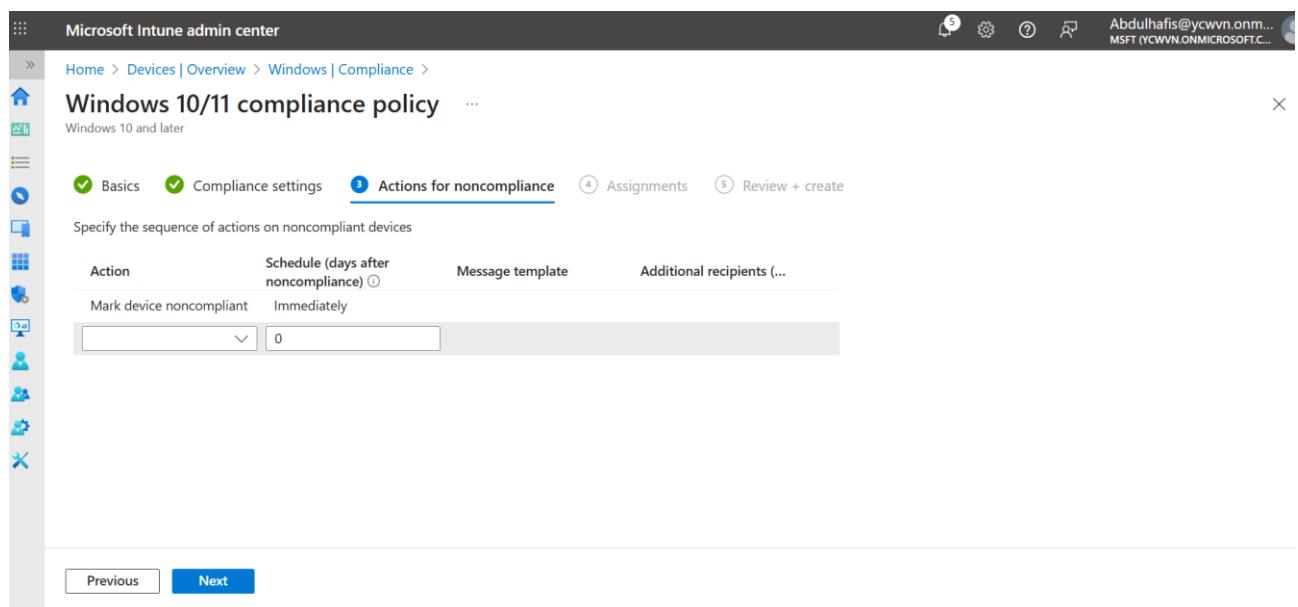
Windows 10 and later

Basics Compliance settings **Actions for noncompliance** Assignments Review + create

Specify the sequence of actions on noncompliant devices

Action	Schedule (days after noncompliance)	Message template	Additional recipients (...)
Mark device noncompliant	Immediately		

Previous Next



Microsoft Intune admin center

Home >

Edit profile - Windows 10 Edge Settings

Settings catalog

Sites to open when the browser starts (Device)

Delete Sort + Import Export

<input checked="" type="checkbox"/> https://www.bc.fi	✓
<input type="checkbox"/>	✓

Configure the home page URL

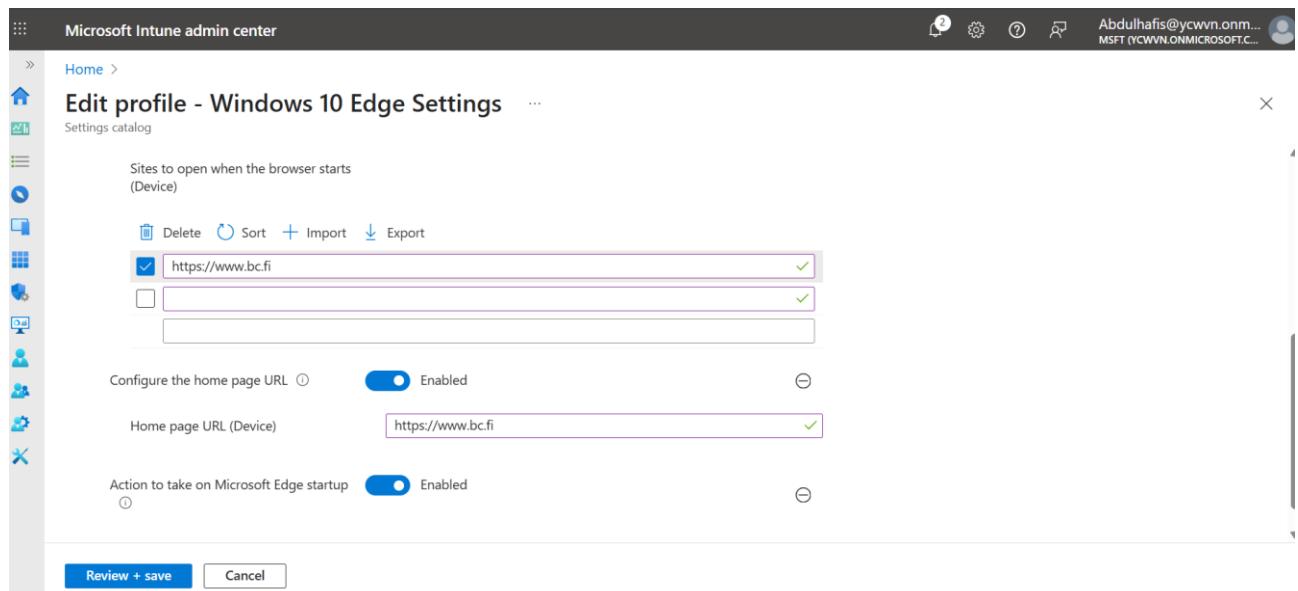
Enabled

Home page URL (Device) https://www.bc.fi

Action to take on Microsoft Edge startup

Enabled

Review + save Cancel



Microsoft Intune admin center

Home > Edit profile - Windows 10 Edge Settings

Sites to open when the browser starts https://www.bc.fi, (Device)

Action to take on Microsoft Edge startup Enabled

Action to take on startup (Device) Open a list of URLs

Configure the home page URL Enabled

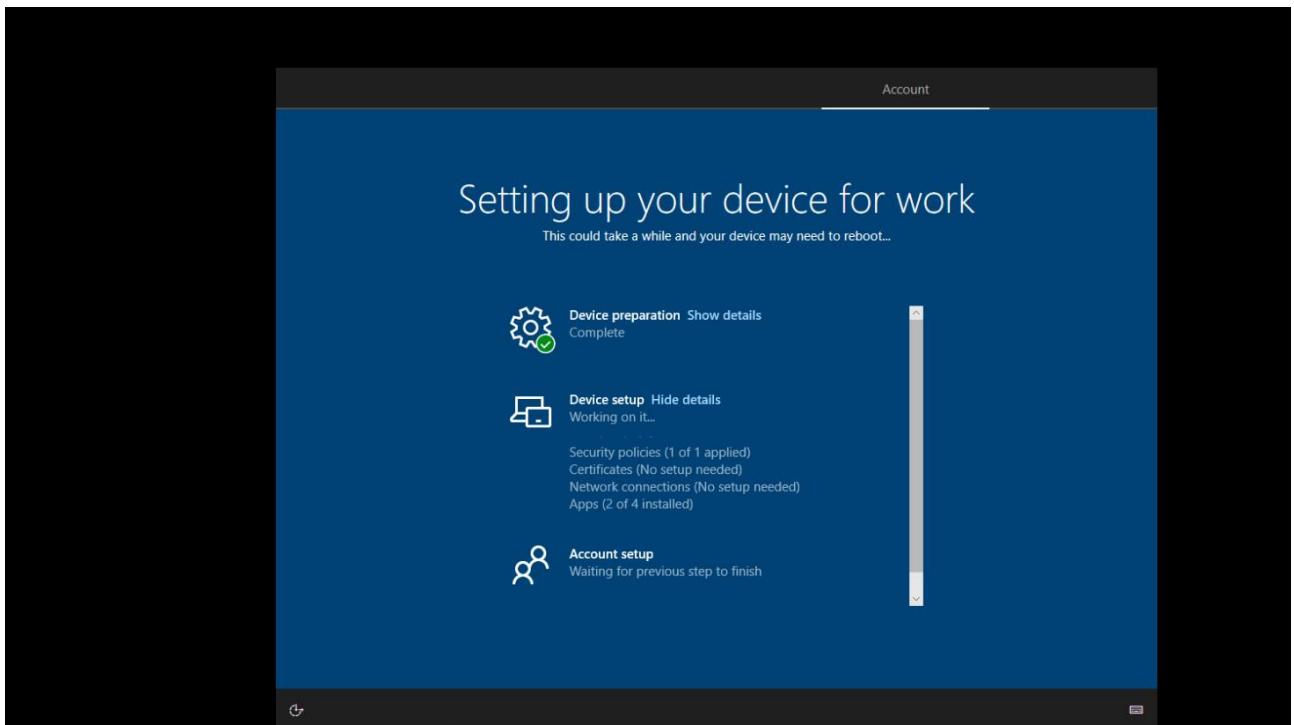
Home page URL (Device) https://www.bc.fi

Sites to open when the browser starts Enabled

Save Cancel

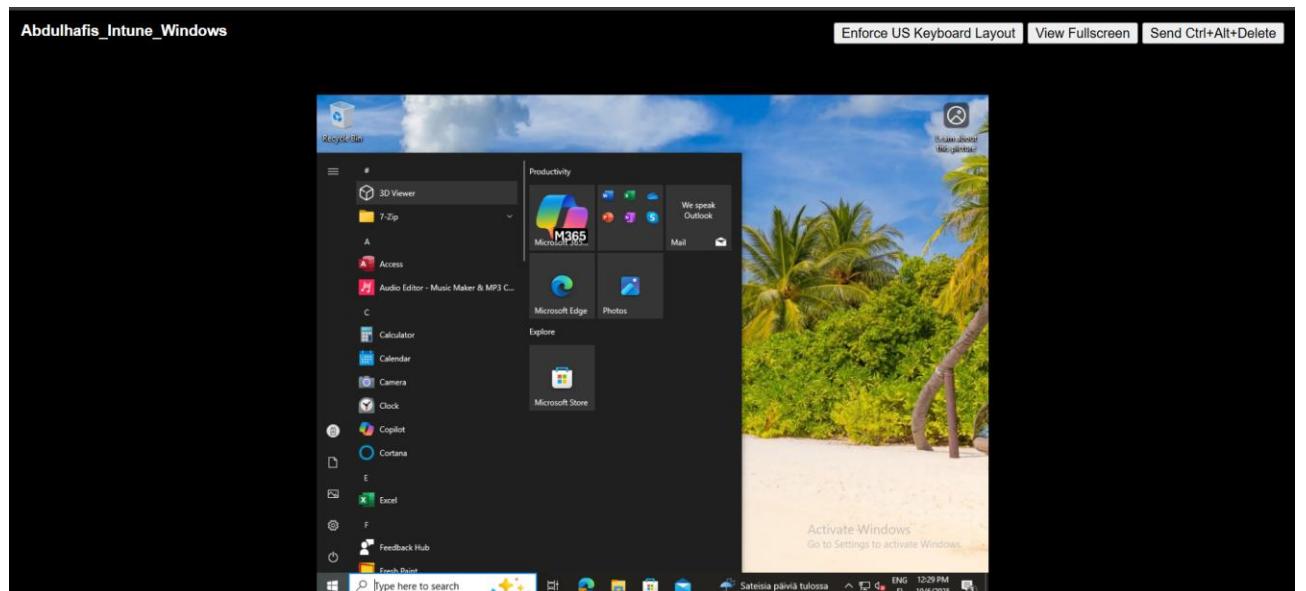
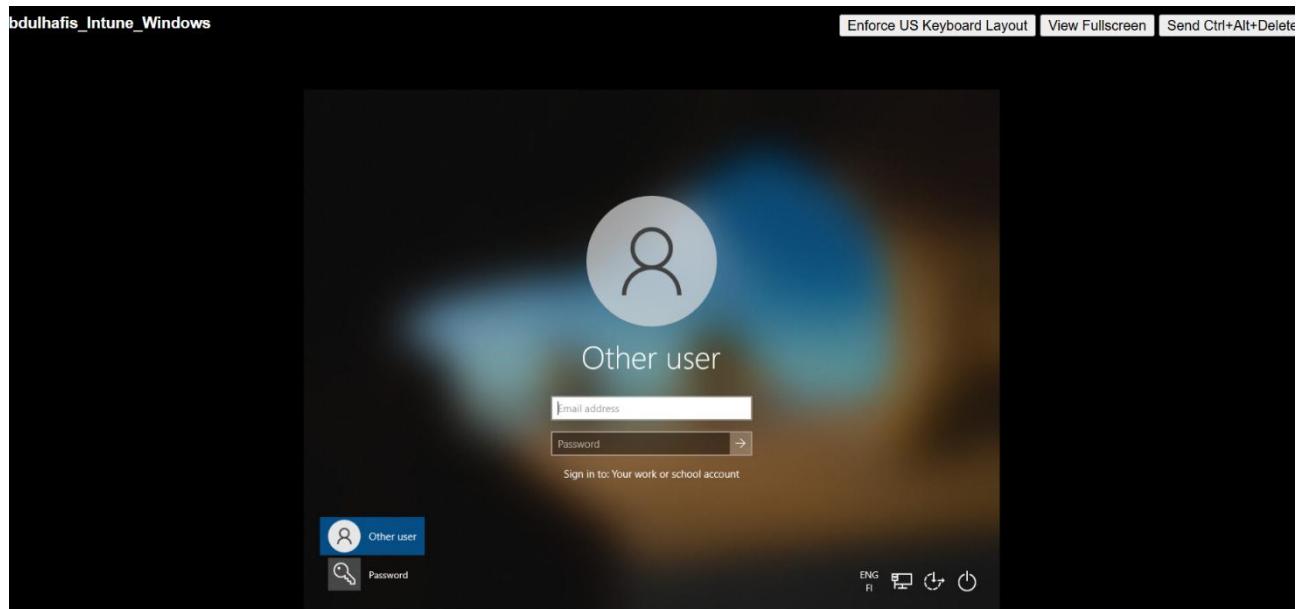
https://intune.microsoft.com/#home

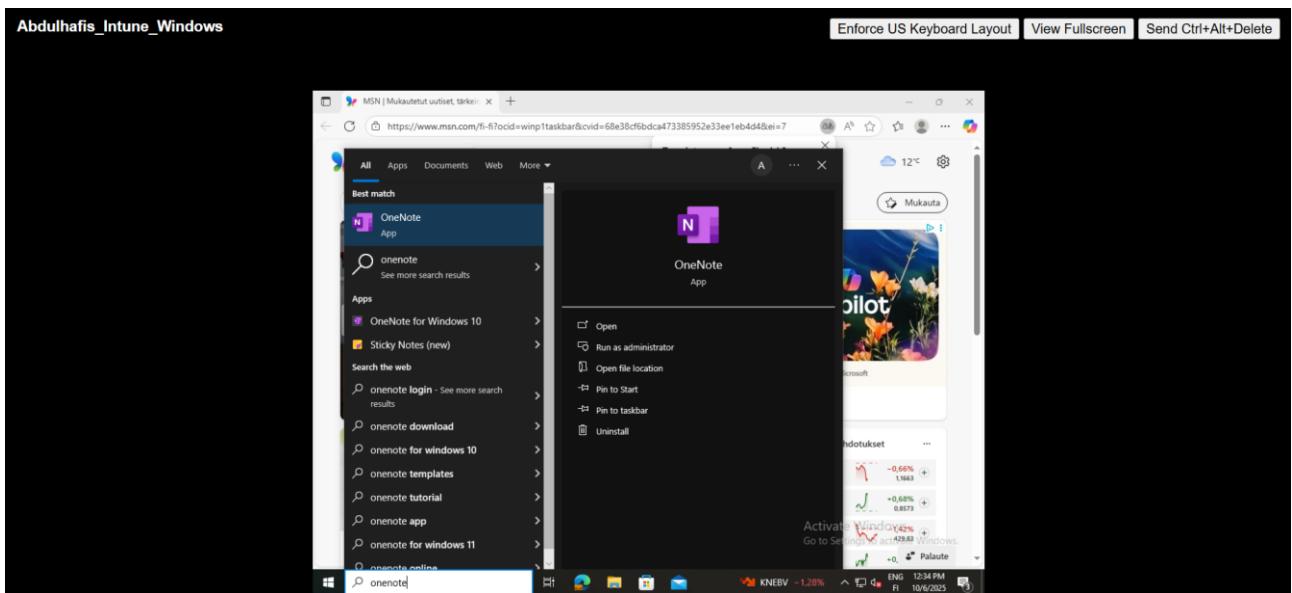
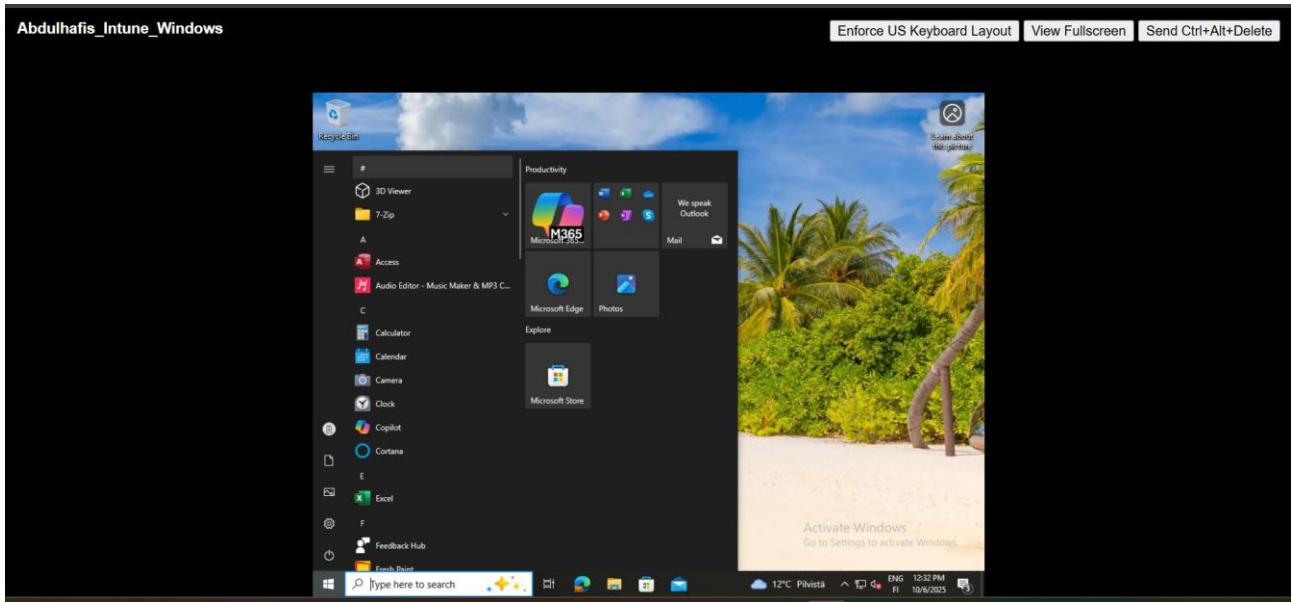
Automated Device Provisioning via Intune



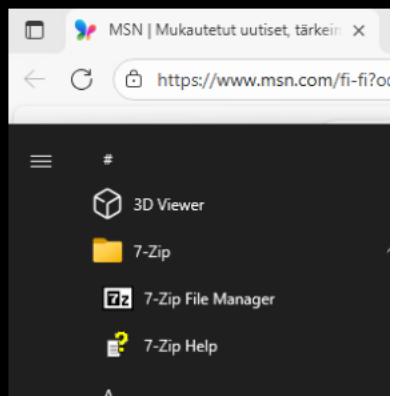
Results

- Device successfully enrolled into Intune
- Policies applied automatically
- Applications installed without user interaction
- Browser settings enforced through configuration profiles
- End-to-end device provisioning validated

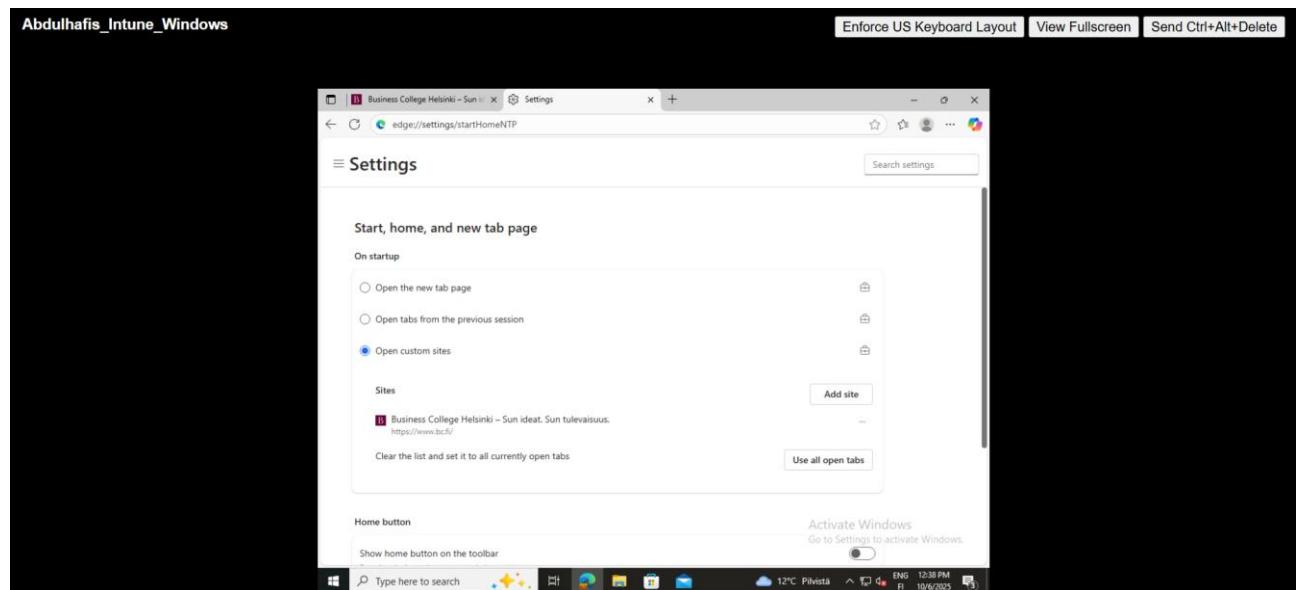


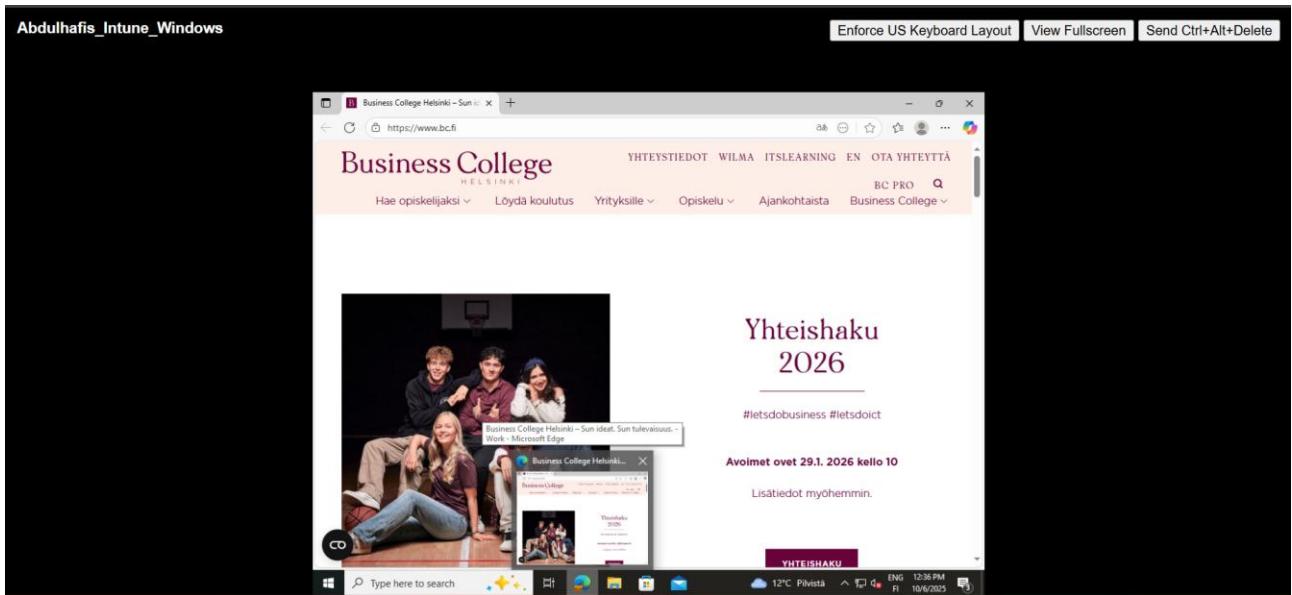


Abdulhafis_Intune_Windows



Edge browser start and home page





Key Skills Demonstrated

- Endpoint management with Microsoft Intune
- Identity management using Microsoft Entra ID
- Automated device enrollment with Windows Autopilot
- Dynamic group-based assignments
- Application and policy deployment