

AAD Device Re-enrollment Without Wipe to Workspace ONE UEM

This guide explains how to re-enroll Azure Active Directory (AAD) or EntraID devices into Workspace ONE UEM without wiping the devices. It is particularly helpful for migrating devices from **Windows Multiuser Phase 1** to **Windows Multiuser Phase 2**.

Prerequisites:

- 1. Workspace ONE UEM Admin Access**
Ensure you have administrative privileges within the Workspace ONE UEM environment.
- 2. Workspace ONE UEM OAuth Credentials**
These credentials are needed to authenticate API calls to Workspace ONE UEM.
- 3. Windows Configuration Designer (ICD)**
Install the Windows ICD tool to create provisioning packages (PPKG) required for Azure AD bulk join.
- 4. Azure AD / EntraID Bulk Join Token Credentials**
Access to Azure AD to create bulk join tokens is necessary for registering devices with AAD.
- 5. Access to the MDM Application in Azure AD / EntraID**
Ensure you have access to the Mobile Device Management (MDM) application inside Azure AD to link with Workspace ONE UEM.

Steps to Re-enroll Devices

Step 1: Create a PPKG with the Bulk Join Token

To automatically join devices to Azure AD during re-enrollment, you need a provisioning package (PPKG) containing the bulk join token.

1. Open **Windows Configuration Designer (ICD)**.
2. Select **Provisioning package (PPKG)** and choose the **Bulk token** join option.
3. Enter the Azure AD bulk join token credentials.
4. Save the PPKG to a known location on your device.

Step 2: Download Workspace ONE Intelligent Hub

The Intelligent Hub application is required for re-enrolling devices into Workspace ONE UEM.

1. Download the **Workspace ONE Intelligent Hub** for Windows from the official downloads page.
2. Save the downloaded executable to the same location where the PPKG is stored.

Step 3: Download the Sample Migration Scripts

provides scripts to automate the migration and re-enrollment process. These scripts handle the communication between the devices and Workspace ONE UEM during the re-enrollment process.

1. Download the sample scripts
2. Ensure the scripts include API interactions for device registration and configuration of the Intelligent Hub.

Step 4: Add the Required API Credentials

The migration scripts require API credentials to interact with Workspace ONE UEM. This includes OAuth credentials for authentication and device management.

1. Open the start.ps1 script in a text editor.
2. Locate the section where the API credentials are required in line 4,5 & 8.
3. Input the following details:
 - **Workspace ONE UEM API Key Line 4**
 - **Workspace ONE UEM Tenant URL Line 5**
 - **Workspace ONE UEM OAuth Client ID in Line 8**
 - **Workspace ONE UEM OAuth Client Secret in Line 8**
 - **Workspace ONE UEM OAuth Endpoint URL in Line 8**
4. Save the modified script.

Also for the postmigration.ps1 add the following information:

1. Open the postmigration.ps1 script in a text editor.
2. Locate the section where the API credentials are required in line 1 - 4.
3. Input the following details:









- Staging Username in Line 1
- Staging User Password in Line 2
- Workspace ONE OG ID in Line 3
- Workspace ONE Device Server URL in Line 4

4. Save the modified script.

Step 5: Zip the Content

Once you have the PPKG, Intelligent Hub installer, and updated scripts, you need to package them together into a single ZIP file.

1. Create a new folder and place the following inside:
 - The **PPKG** file created in Step 1.
 - The **Workspace ONE Intelligent Hub** installer.
 - The modified migration **scripts**.
2. Zip the contents of the folder into a single **.zip** file.

Name	Date modified	Type	Size
 AADJoin.cat	11/09/2024 11:55	Security Catalog	1 KB
 AADJoin.ppkg	11/09/2024 11:55	RunTime Provisioning	10 KB
 AirwatchAgent.msi	11/09/2024 12:11	Windows Installer ...	267.036 KB
 cleanup.ps1	12/09/2024 15:35	Windows PowerS...	2 KB
 Install.ps1	12/09/2024 11:33	Windows PowerS...	3 KB
 postmigration.ps1	12/09/2024 15:56	Windows PowerS...	3 KB
 start.ps1	12/09/2024 15:39	Windows PowerS...	4 KB
 AADJoin.zip	12/09/2024 15:39	Compressed (zipp...	265.267 KB

Step 6: Upload the ZIP and Create a New Application in Workspace ONE UEM

1. Log in to the **Workspace ONE UEM Console**.
2. Navigate to **Apps & Books > Applications**.
3. Select **Add Application** and choose the **Windows** platform.
4. Upload the ZIP file created in Step 5 as the application payload.


5. Configure the application settings as needed (name, description, versioning, etc.).

Step 7: Deploy the Migration Application

Finally, deploy the application to the devices you want to migrate.

1. In the **Workspace ONE UEM Console**, navigate to **Devices > Profiles & Resources > Add > Profile**.
2. Attach the migration application you created and deploy it to the appropriate device group.
3. As uninstall command, please use:
`rm -force C:\Recovery\OEM\Mover_Data`

App Uninstall Process

 Upload any scripts to identify the course of actions to be run to uninstall the application.

Custom Script Type *

UPLOAD

INPUT

Uninstall Command *

`rm -force C:\Recovery\OEM\Mover_Data`

4. As install command please use:
powershell -executionpolicy bypass -file install.ps1

How To Install

Install Context	<div>DEVICE USER</div>	
Install Command *	<div>powershell -executionpolicy bypass -file install.ps1</div>	
Admin Privileges	<div>YES NO</div>	
Device Restart	<div>Do not restart</div>	
Retry Count *	<div>3</div>	
Retry Interval *	<div>5</div>	
Install Timeout *	<div>60</div>	
Installer Reboot Exit Code	<div></div>	
Installer Success Exit Code	<div></div>	

5. As detection criteria please use:
File exists - C:\Recovery\OEM\Mover_Data\start.ps1

When To Call Install Complete

Identify Application By *	<div>DEFINING CRITERIA USING CUSTOM SCRIPT</div>	
<div>1. File exists - C:\Recovery\OEM\Mover_Data\start.ps1</div>		

6. Assign the application as optional app to the devices that should be re-enrolled.
7. Once the installation is triggered, the migration can't be stopped
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Conclusion

Following these steps will allow you to re-enroll Azure AD/EntraID devices into Workspace ONE UEM without the need to wipe the devices, facilitating a smooth migration from **Windows Multiuser Phase 1 to Phase 2.**

Make sure to monitor the migration closely and perform testing on a sample group of devices before rolling it out to the entire fleet.

Download before installation:

To speed up the process, Workspace ONE Intelligent Hub and the PPKG can be pre-staged via product provisioning.

Go to Product Provisioning -> File Actions -> Add Files/Actions

Workspace ONE UEM

Product Engineering / Works... ▾

GETTING STARTED

DEVICES

RESOURCES

ORCHESTRATION

MONITOR

SECURITY

ACCOUNTS

GROUPS & SETTINGS

Freestyle

Freestyle Orchestrator

Time Windows

Product Provisioning

Product Dashboard

Products

Product Sets

Custom Attributes

Components

Product Apps

Product Profiles

Conditions

Event Actions

File Actions

Hub/Agent Packages

File Servers

Relay Servers

Relay Servers

Relay Server Batch St...

Orchestration > Product Provisioning > Components

File Actions

[+ ADD FILES/ACTIONS](#)

Name	Description	Platform
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Select Windows and enter a name, upload the files – Intelligent Hub and PPKG.

As Download Path type in “C:\Recovery\OEM\Mover_Data”

Add Files

File - 1

Name

Mover.exe

Download Path *

C:\Recovery\OEM\Mover_Data

Version *

1.0

In “add Files/Actions” add a new installation Manifest and

Add Manifest

Action(s) To Perform *

Create Folder



Path and Name of Folder
to Create *

C:\Recovery\OEM\Mover_Data

Click “Save” and navigate with Products and add a new Windows Product.

Add a smart group

Select the created Manifest

Add Manifest

Action(s) To Perform *

File/Action - Install



Files/Actions *

Staging

Click activate.

After that, the files getting downloaded and they can be excluded from the initial application.

This will help to pre-stage the content and speed up the migration since the data needs not to be downloaded after the installation was triggered.