



Additional Information to Add Windows 11 24H2 BaseWIMs, Language Packs and Features on Demand

WimAsAService

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Version 1.0



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1 Purpose of this document

This document will explain how to add Windows 11 24H2 content to WimAsAService for our on-premises customers.

The topics covered in this document are:

- Windows 11 baseWIM implementation
- Language Packs
- Features on Demand

2 Overview

2.1 What's New

Microsoft released Windows 11 24H2. Windows 11 still only exists in 64 bits. The version number still starts with 10.x. In terms of language packs and features on demand, they have created a new ISO containing Language Packs and Features on Demand in one single ISO file. That means you must trigger both importer scripts for language packs and features on demand, but you can do it with the same ISO file.

2.2 Required scripts

The required scripts are stored in the WimAsAServiceLogic folder.
Usually under E:\WimAsAServiceLogic.

The following scripts are provided to help add the ISO files to WimAsAService. When importing files for a new Windows Version, you need to follow the order described below.

Order	Name	Description
1	AutoImportBaseWIM.ps1	Adds Multiple ISO files of the selected folder and its subfolders to MDT.
2	AutoImporterLanguagePacks.ps1	Adds Language packs to the deployment Share out of the ISO file specified.
3	AutoImporterFeaturesOnDemand.ps1	Adds features on demand to the deployment Share out of the ISO file specified.

2.3 Required WimAsAService Release

Attention:

Since there is a bug from Microsoft regarding the removal of APPX packages, we needed to make some changes to the task sequence for starting the script that does that differently.

The workaround is included in WimAsAService version 4.1.13.0 So to use Windows 11 24H2 make sure you are at least on version 4.1.13.0. To get it please reach out to us.

3 Usage of the scripts

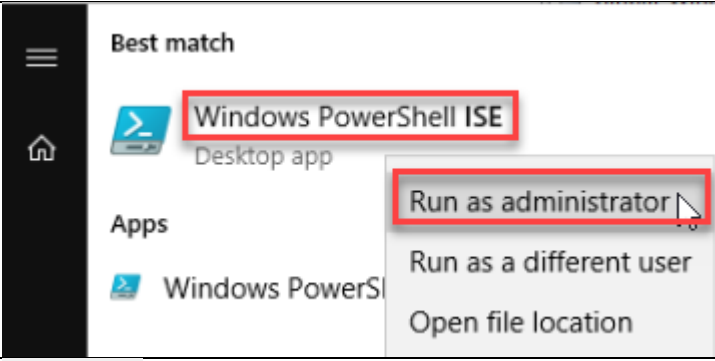

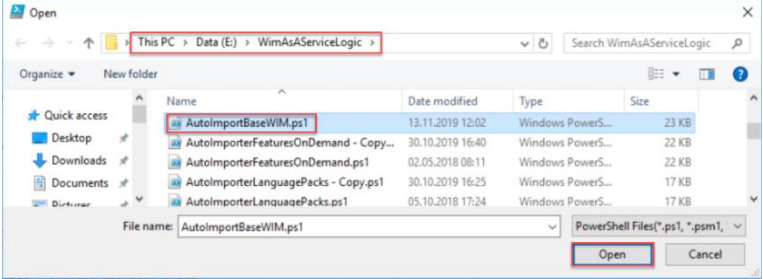
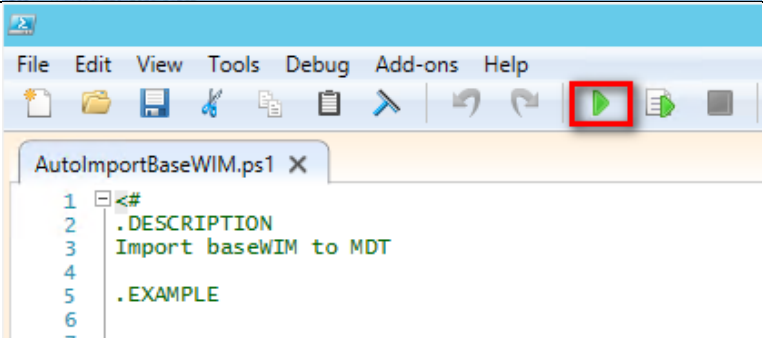
Attention: All these scripts need to be opened in a PowerShell ISE that is running with administrator permissions.

3.1 AutoImportBaseWIM.ps1

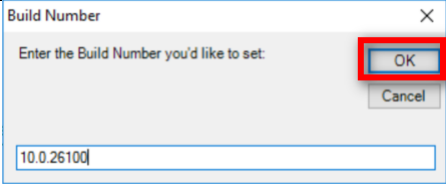
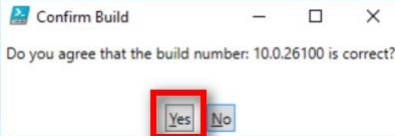
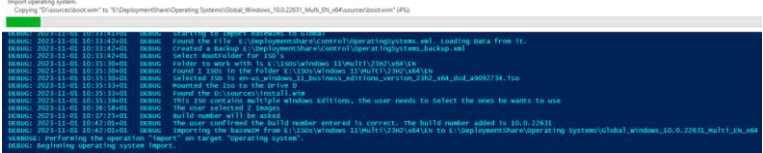
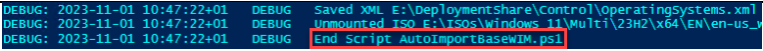
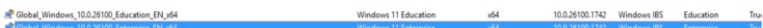
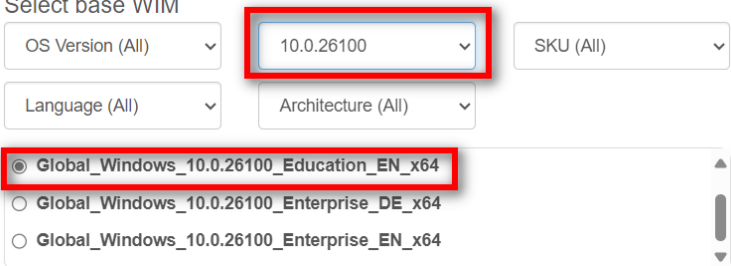
Attention: This script imports the baseWIM ISOs stored in the selected folders and all its subfolders. The choice of the folder should be well-considered and double importing of the same WIM should be prevented.

This script writes to the following logfile:

"E:\WimAsAServiceLogic_Logs\AutoImportBaseWIM.log"

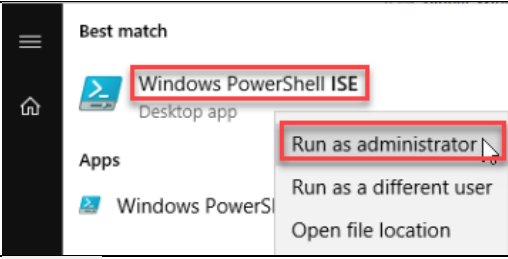
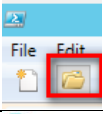
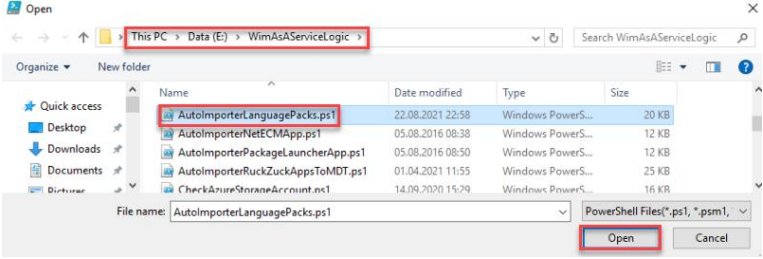
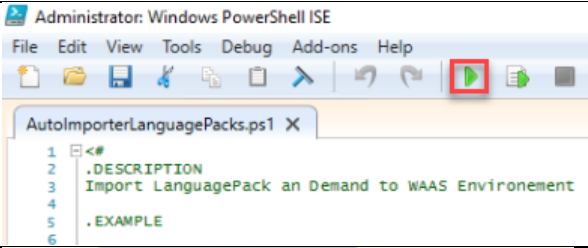
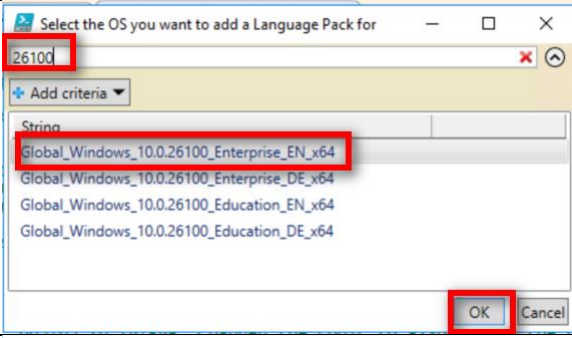
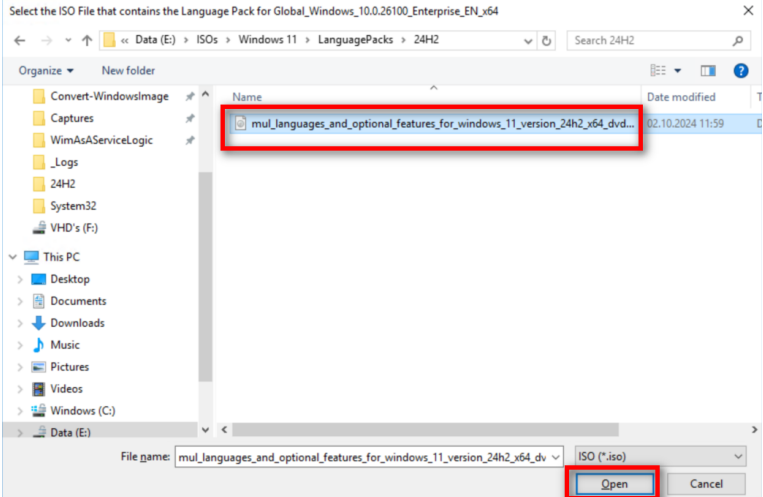
Step	Screenshot	Task
1.		Open PowerShell ISE with administrator privileges.
2.		Click on the "Open" button.
3.		Browse to your WimAsAServiceLogic folder and select "AutoImportBaseWIM.ps1". Click on the "Open" button.
4.		Click on the "Play" button.

5.	<div><div>Tenant Name</div><div>Enter the Name of the Tenant where the baseWIM should be imported</div><div>Global</div><div>OK</div><div>Cancel</div></div>	<p>Here you can tell the script for which tenant it should import the WIM files.</p> <p>"Global" grants all Tenants access to that baseWIM.</p> <p>If you want to restrict that baseWIM to one Tenant, enter its name here.</p> <p>When you're ready to continue click on "OK".</p> <p>Attention: On your screen this window/pop up could be covered by the ISE Window.</p>																																																							
6.	<div><div>Browse For Folder</div><div><div>DeploymentLogs</div><div>DeploymentShare</div><div>ImportDirectory</div><div>ISOGeneration</div><div><div>ISOs</div><div><div>ISOGeneration</div><div>mount</div><div>ProcessMonitor</div><div>SQL_SP1</div><div>ssu-19041.1161-x64_e7e052f5cbe97d708ee5f56a8b</div><div>Windows 7</div><div>Windows 8.1</div><div>Windows 10</div><div><div>Windows 11</div><div>Enterprise</div><div>LanguagePacks</div><div><div>Multi</div><div>10.0.22000</div><div>22H2</div><div>23H2</div><div><div>24H2</div><div>DE</div><div>EN</div></div><div>WVD</div></div><div>Windows Server 23H2</div><div>Windows Server 1903</div><div>Windows Server 2004</div><div>Windows Server 2008 R2</div><div>Windows Server 2012 R2</div></div></div></div><div>OK</div><div>Cancel</div></div></div>	<p>Now browse to the folder that contains the ISO file for the Windows 11 24H2 baseWIM you want to add.</p> <p>When you're ready to continue click on "OK".</p> <p>Attention: Make sure to only have one multi-edition .iso is inside the folder. It might be that not both of it will be added to MDT if two .iso files are in the Folder.</p> <p>Attention: The script will also work with ISO files in subfolder of the selected folder. Not only with files in the directly selected folder.</p>																																																							
7.	<div><div>Select the baseWIM Editions you want to add</div><div><div>Filter</div><div>Add criteria</div><table><thead><tr><th>ImagePath</th><th>ImageName</th><th>ImageIndex</th><th>ImageDescription</th><th>ImageSize</th></tr></thead><tbody><tr><td>D:\sources\install.wim</td><td>Windows 11 Education</td><td>1</td><td>Windows 11 Education</td><td>19'238'601'644</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Education N</td><td>2</td><td>Windows 11 Education N</td><td>18'687'815'387</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Enterprise</td><td>3</td><td>Windows 11 Enterprise</td><td>19'238'728'279</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Enterprise N</td><td>4</td><td>Windows 11 Enterprise N</td><td>18'687'892'734</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Pro</td><td>5</td><td>Windows 11 Pro</td><td>19'241'046'213</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Pro N</td><td>6</td><td>Windows 11 Pro N</td><td>18'707'043'890</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Pro Education</td><td>7</td><td>Windows 11 Pro Education</td><td>19'238'652'282</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Pro Education N</td><td>8</td><td>Windows 11 Pro Education N</td><td>18'687'841'156</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Pro for Workstations</td><td>9</td><td>Windows 11 Pro for Workstations</td><td>19'238'702'920</td></tr><tr><td>D:\sources\install.wim</td><td>Windows 11 Pro N for Workstations</td><td>10</td><td>Windows 11 Pro N for Workstations</td><td>18'687'866'925</td></tr></tbody></table><div>OK</div><div>Cancel</div></div></div>	ImagePath	ImageName	ImageIndex	ImageDescription	ImageSize	D:\sources\install.wim	Windows 11 Education	1	Windows 11 Education	19'238'601'644	D:\sources\install.wim	Windows 11 Education N	2	Windows 11 Education N	18'687'815'387	D:\sources\install.wim	Windows 11 Enterprise	3	Windows 11 Enterprise	19'238'728'279	D:\sources\install.wim	Windows 11 Enterprise N	4	Windows 11 Enterprise N	18'687'892'734	D:\sources\install.wim	Windows 11 Pro	5	Windows 11 Pro	19'241'046'213	D:\sources\install.wim	Windows 11 Pro N	6	Windows 11 Pro N	18'707'043'890	D:\sources\install.wim	Windows 11 Pro Education	7	Windows 11 Pro Education	19'238'652'282	D:\sources\install.wim	Windows 11 Pro Education N	8	Windows 11 Pro Education N	18'687'841'156	D:\sources\install.wim	Windows 11 Pro for Workstations	9	Windows 11 Pro for Workstations	19'238'702'920	D:\sources\install.wim	Windows 11 Pro N for Workstations	10	Windows 11 Pro N for Workstations	18'687'866'925	<p>Select the Editions according to what you'd like to add to WimAsAService. Once doublechecked your selection, press "OK".</p>
ImagePath	ImageName	ImageIndex	ImageDescription	ImageSize																																																					
D:\sources\install.wim	Windows 11 Education	1	Windows 11 Education	19'238'601'644																																																					
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8.		Here the 24H2 Build Number is displayed 10.0.26100 Click on OK
9.		Agree that your entry was correct once more with "Yes".
10.		Next, the script imports all the install WIMs you selected to MDT. This will take some time, please be patient. Additional information: The script is automatically mounting each ISO to a virtual CD-ROM Drive and is unmounting it again once it has imported the WIMs from it.
11.		Once the script has finished it will tell you.
12.		Check the Deployment Workbench under Global to see if you Operating Systems have been added properly. Note: Maybe you need to press "F5" to refresh the list.
13.		You can now log on to the WimAsAService website and add a new image type. Under "Select base WIM" you should now be able to find the WIM files you just added. Make sure that the unwanted OS are not in the selection.

3.2 AutoImporterLanguagePacks.ps1

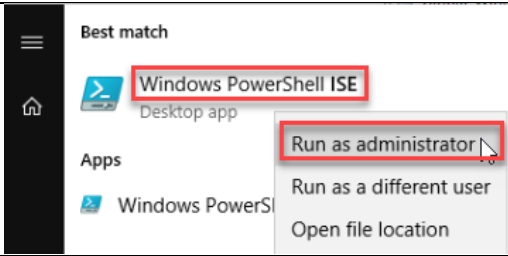
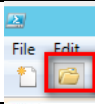
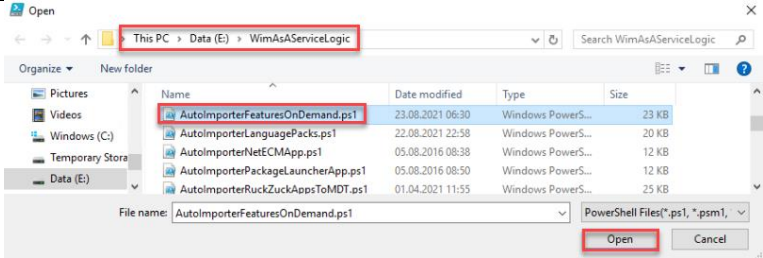
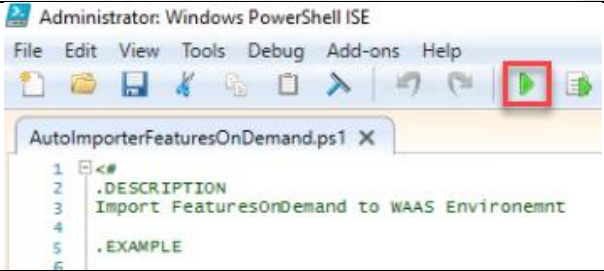
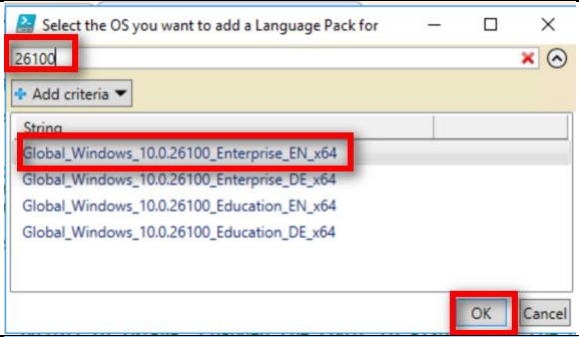
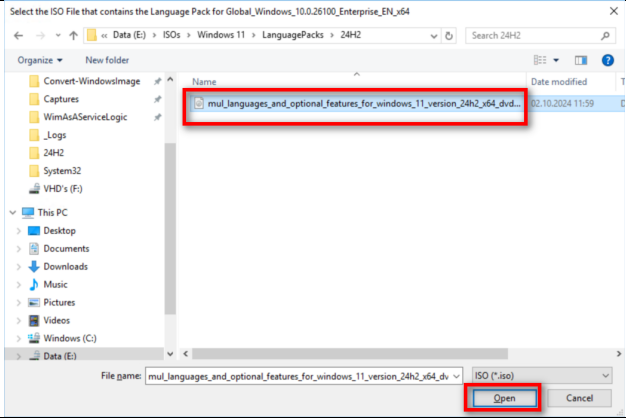
Within this script you're importing all language packs out of the iso file provided by Microsoft.

Step	Screenshot	Task
14.		Open PowerShell ISE with administrator privileges.
15.		Click on the "Open" button.
16.		Browse to your WimAsAServiceLogic folder and select "AutoImporterLanguagePacks.ps1". Click on the "Open" button.
17.		Click on the "Play" button.
18.		Select one of the Windows 11 26100 Images. Since there is no 32 bits version anymore you must add the language packs only once. It does not matter which Language or SKU.
19.		Select the iso file containing the language packs and features on demand for Windows 11.

20.	DEBUG: 2024-10-02 12:05:02+02 DEBUG Unmounted ISO E:\ISOs\windows_11\LanguagePacks\24H2\mul_languages_and_o DEBUG: 2024-10-02 12:05:02+02 DEBUG End Script AutoImporterLanguagepacks.ps1	Wait for the script to finish
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3.3 AutoImporterFeaturesOnDemand.ps1

Within this additional script you're importing all features on demand out of the same file provided by Microsoft.

Step	Screenshot	Task
21.		Open PowerShell ISE with administrator privileges.
22.		Click on the "Open" button.
23.		Browse to your WimAsAServiceLogic folder and select "AutoImporterFeaturesOnDemand.ps1". Click on the "Open" button.
24.		Click on the "Play" button.
25.		Select one of the Windows 11 26100 Images. Since there is no 32 bits version anymore you must add the language packs only once. It does not matter which Language or SKU.
26.		Select the iso file containing the language packs and features on demand for Windows 11.
27.	DEBUG: 2024-10-02 12:10:56+02 DEBUG Unmounted ISO E:\ISOs\windows_11\LanguagePacks\24H2\mul_languages_and_opti DEBUG: 2024-10-02 12:10:56+02 DEBUG End Script AutoImporterFeaturesOnDemand.ps1	Wait for the script to finish

4 Version history

Wann	Version	Wer	Beschreibung
10.10.2024	0.1	PAB	First Version
10.10.2024	1.0	NBO	Review