



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

WimAsAService

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15.10.2021  
Version 1.0



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## 1 Purpose of this document

This document will explain how to add Windows 11 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. Windows 11 is only exiting in 64 bits from now on. The build number and the OS description might come in strange. Even though the version number still starts with 10.x and the OS Description is still "Windows 10 \*" it is the Windows 11 image that is being imported. In terms of language packs and feature on demand, they decided to wrap up the information within 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 adding 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. <b>A new Version of this Script is required to import language packs properly. Get in contact with us to receive it.</b>
3	AutoImporterFeaturesOnDemand.ps1	Adds features on demand to the deployment Share out of the ISO file specified. <b>A new Version of this Script is required to import language packs properly. Get in contact with us to receive it.</b>

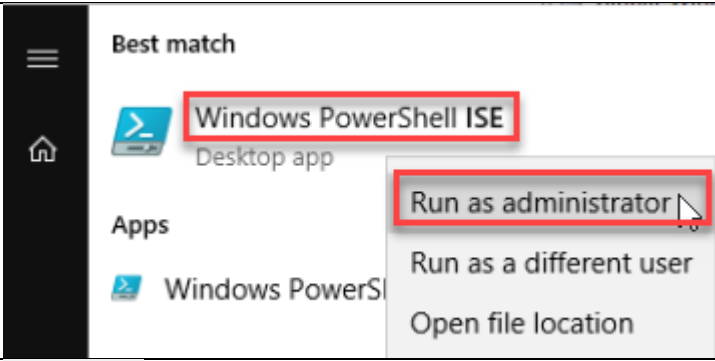

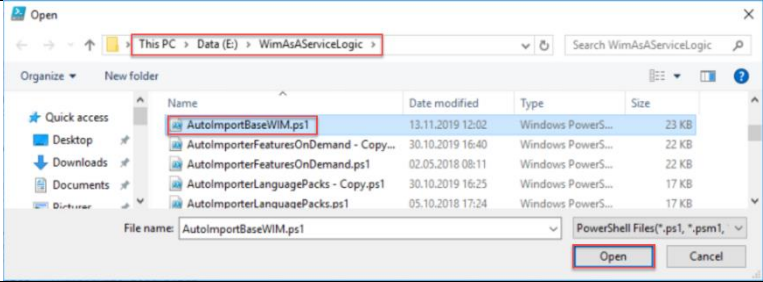
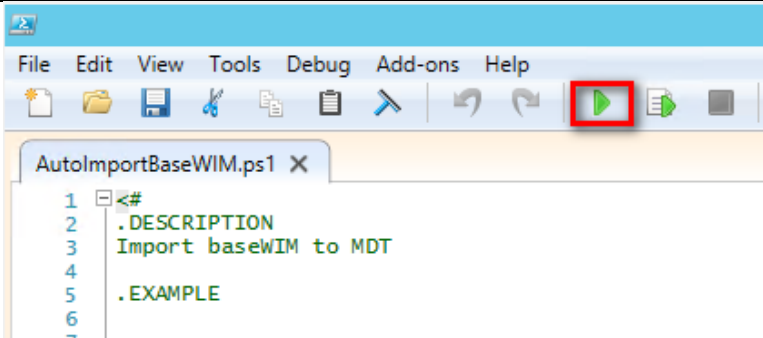
## 3 Usage of the scripts

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

### 3.1 AutoImportBaseWIM.ps1

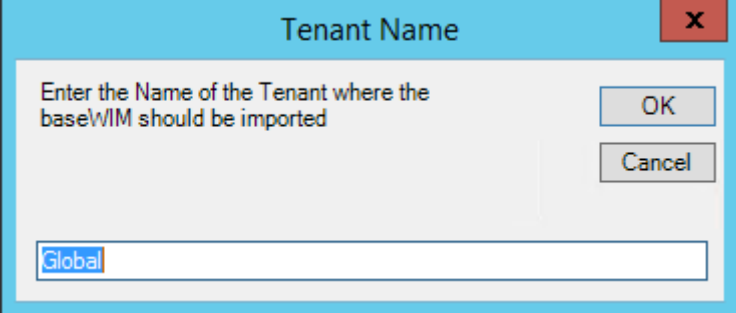
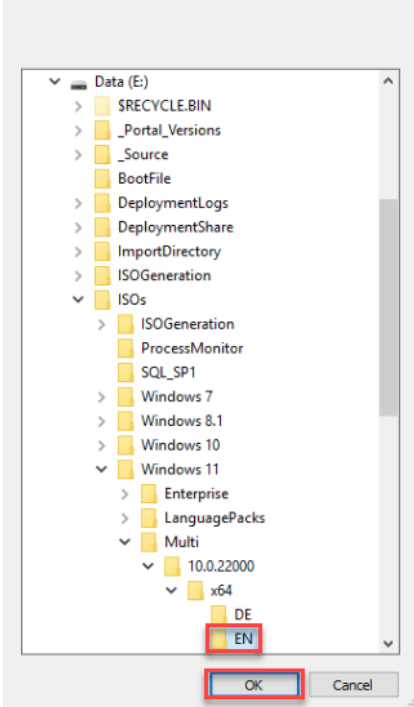
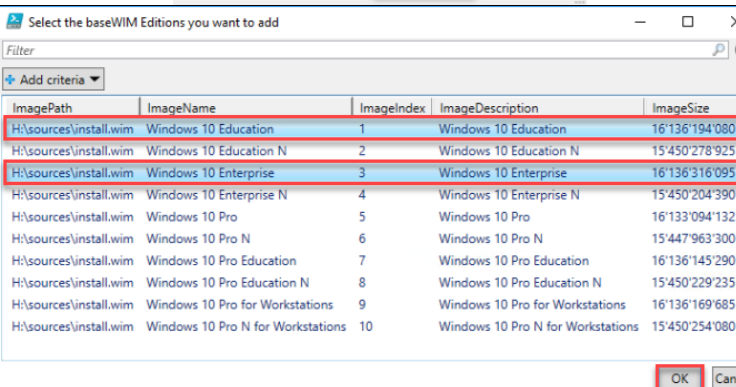
**Attention:** This script imports the baseWIM ISOs stored in the selected folders and all its subfolders. The choice of the folder should be well-considered and double importing of the same WIM should be prevented.

This script writes to the following logfile:  
"E:\WimAsAServiceLogic\Loggs\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.

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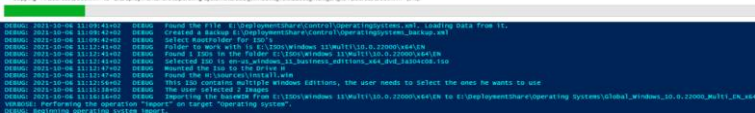
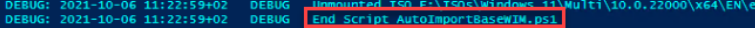


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5.		<p>Here you can tell the script for which tenant it should import the WIM files.</p> <p>"Global" grants all Tenants access to that baseWIM.</p> <p>If you want to restrict that baseWIM to one Tenant, enter its name here.</p> <p>When you're ready to continue click on "OK".</p> <p><b>Attention:</b> On your screen this window/pop up could be covered by the ISE Window.</p>																																																							
6.		<p>Now browse to the folder that contains the ISO file for the Windows 11 baseWIM you want to add.</p> <p>When you're ready to continue click on "OK".</p> <p><b>Attention:</b> 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><b>Attention:</b> 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.	 <table><thead><tr><th>ImagePath</th><th>ImageName</th><th>ImageIndex</th><th>ImageDescription</th><th>ImageSize</th></tr></thead><tbody><tr><td>H:\sources\install.wim</td><td>Windows 10 Education</td><td>1</td><td>Windows 10 Education</td><td>16'136'194'080</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Education N</td><td>2</td><td>Windows 10 Education N</td><td>15'450'278'925</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Enterprise</td><td>3</td><td>Windows 10 Enterprise</td><td>16'136'316'095</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Enterprise N</td><td>4</td><td>Windows 10 Enterprise N</td><td>15'450'204'390</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Pro</td><td>5</td><td>Windows 10 Pro</td><td>16'133'094'132</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Pro N</td><td>6</td><td>Windows 10 Pro N</td><td>15'447'963'300</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Pro Education</td><td>7</td><td>Windows 10 Pro Education</td><td>16'136'145'290</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Pro Education N</td><td>8</td><td>Windows 10 Pro Education N</td><td>15'450'229'235</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Pro for Workstations</td><td>9</td><td>Windows 10 Pro for Workstations</td><td>16'136'169'685</td></tr><tr><td>H:\sources\install.wim</td><td>Windows 10 Pro N for Workstations</td><td>10</td><td>Windows 10 Pro N for Workstations</td><td>15'450'254'080</td></tr></tbody></table>	ImagePath	ImageName	ImageIndex	ImageDescription	ImageSize	H:\sources\install.wim	Windows 10 Education	1	Windows 10 Education	16'136'194'080	H:\sources\install.wim	Windows 10 Education N	2	Windows 10 Education N	15'450'278'925	H:\sources\install.wim	Windows 10 Enterprise	3	Windows 10 Enterprise	16'136'316'095	H:\sources\install.wim	Windows 10 Enterprise N	4	Windows 10 Enterprise N	15'450'204'390	H:\sources\install.wim	Windows 10 Pro	5	Windows 10 Pro	16'133'094'132	H:\sources\install.wim	Windows 10 Pro N	6	Windows 10 Pro N	15'447'963'300	H:\sources\install.wim	Windows 10 Pro Education	7	Windows 10 Pro Education	16'136'145'290	H:\sources\install.wim	Windows 10 Pro Education N	8	Windows 10 Pro Education N	15'450'229'235	H:\sources\install.wim	Windows 10 Pro for Workstations	9	Windows 10 Pro for Workstations	16'136'169'685	H:\sources\install.wim	Windows 10 Pro N for Workstations	10	Windows 10 Pro N for Workstations	15'450'254'080	<p>Select the Editions according to what you'd like to add to WimAsAService. Once doublechecked your selection, press "OK".</p> <p><b>Attention:</b> Don't be confused or worried by the name "Windows 10 *". You're about to import Windows 11. Even though the name says Windows 10</p>
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8.		<p>Next, the script imports all the install WIMs you selected to MDT. This will take some time please be patient.</p> <p><b>Additional information:</b>                  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.</p>
9.		<p>Once the script has finished it will tell you.</p>
10.		<p>Check the Deployment Workbench under Global to see if your Operating Systems have been added properly.</p> <p><b>Note:</b> Maybe you need to press "F5" to refresh the list.</p> <p><b>Attention:</b> Don't be confused or worried by the name "Windows 10 *". This is Windows 11. Even though the name says Windows 10</p>
11.	<p>Select base WIM</p> 	<p>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.</p>

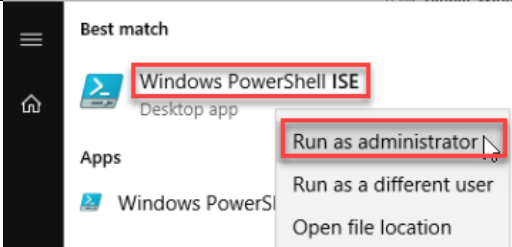
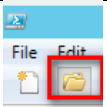
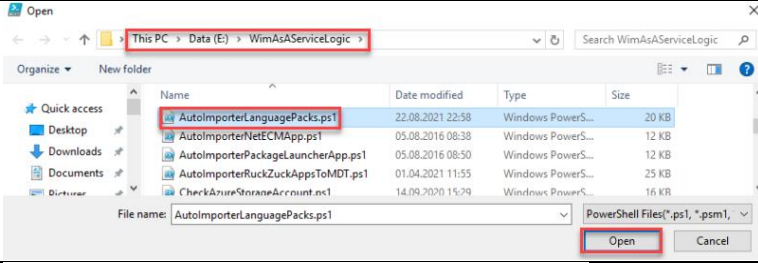
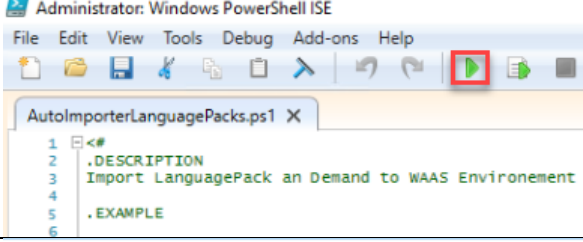
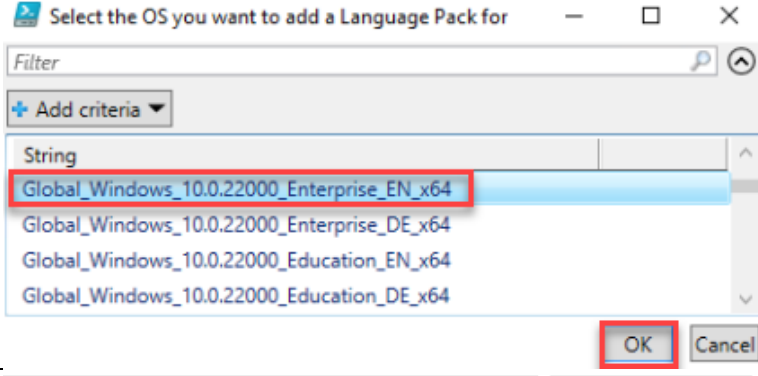
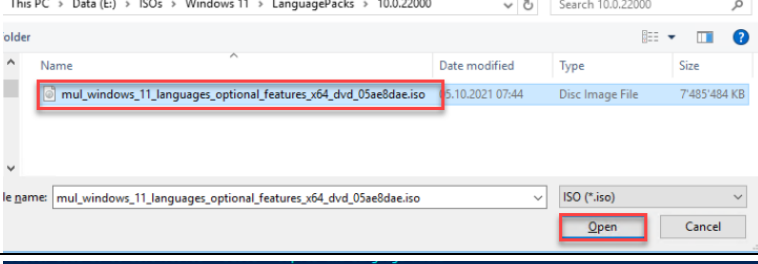
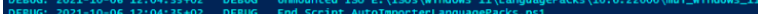
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### 3.2 AutoImporterLanguagePacks.ps1

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

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



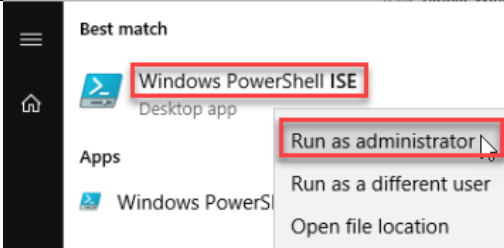

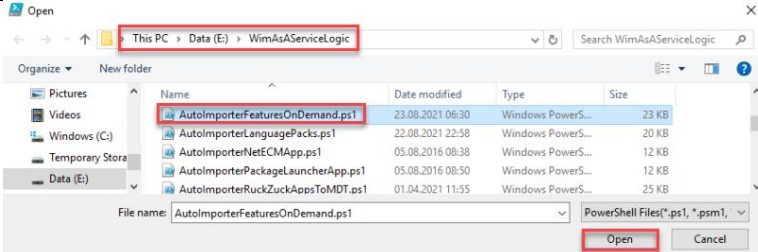
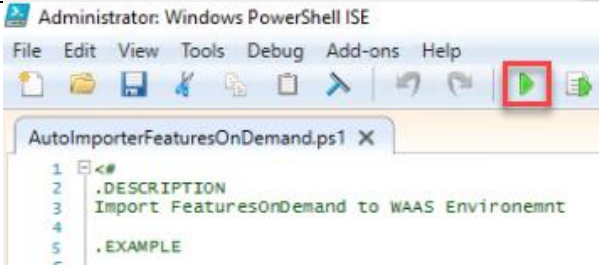
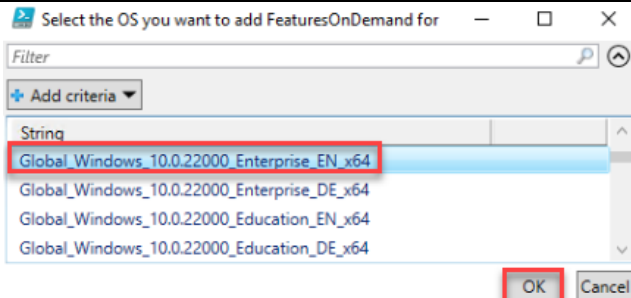
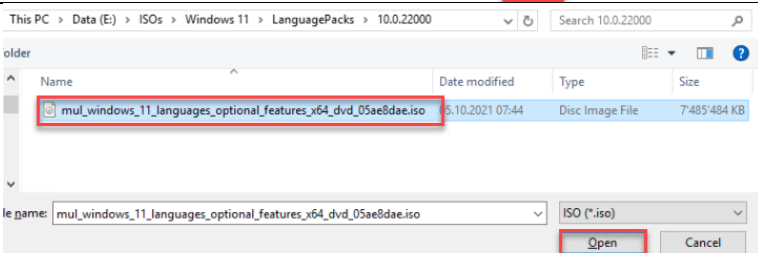
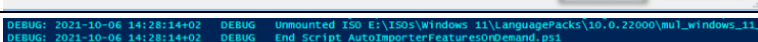
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### 3.3 AutoImporterFeaturesOnDemand.ps1

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

Step	Screenshot	Task
19.		Open PowerShell ISE with administrator privileges.
20.		Click on the "Open" button.
21.		Browse to your WimAsAServiceLogic folder and select "AutoImporterFeaturesOnDemand.ps1".  Click on the "Open" button.
22.		Click on the "Play" button.
23.		Select one of the Windows 11 Images. Since there is no 32 bits version anymore you must add the language packs only once. It does not matter on which Language or SKU.
24.		Select the iso file containing the language packs and features on demand for Windows 11.
25.		Wait for the script to finish

## 4 Version history

Wann	Version	Wer	Beschreibung
06.10.2021	0.1	NBO	First Version
15.10.2021	1.0	PBE	Review