

WimAsAService

Pascal Berger 22.11.2021 Version 1.0

Datum: 22.11.2021 Autor: Pascal Berger Version: 1.0

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Purpose of this document 1

This document will explain how to add Windows 10 21H2 content to WimAsAService for our on-premises customers.

The topics covered in this document are:

- 21H2 baseWIM implementation
- Language Packs
- Features on Demand
- Update the ADK and Win PE

Overview

What's New 21

Microsoft released a new version of Windows 10 with the version number 21H2. The new version of Windows has exactly the same build number as it was in version 2004. This is not something new, since this was the same for 1903, 1909, etc. already. The build number for 21H2 is 19041 when you download it. That means that you will run into problems when importing the baseWIM into MDT. Once you install the 21H2 version of Windows the build number switches to 19044 during staging, which affects the installation steps of the language packs and features on demand. Within the task sequence, language packs and features on demand get installed according to the build number present at this step. Because the version 21H2 version uses the exact same LP and FoD as 2004, you have to copy the folder containing the LP and FoD of 2004 and rename it to 19044.

Important:

It is required for 21H2 to install correctly to update the ADK and Windows PE.

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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. A new Version of this Script is required since 1909 to import 21H2 properly. Get in contact with us to receive it.
2	Auto Importer Language Packs.ps 1	You don't have to add specific Language Packs for the Version 21H2 of Windows. A copy/rename task of the Language Packs is enough.
3	AutoImporterFeaturesOnDemand.ps1	You don't have to add specific Features on Demand for the Version 21H2 of Windows. A copy/rename task of the Features on Demand is enough.

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3 Usage of the scripts

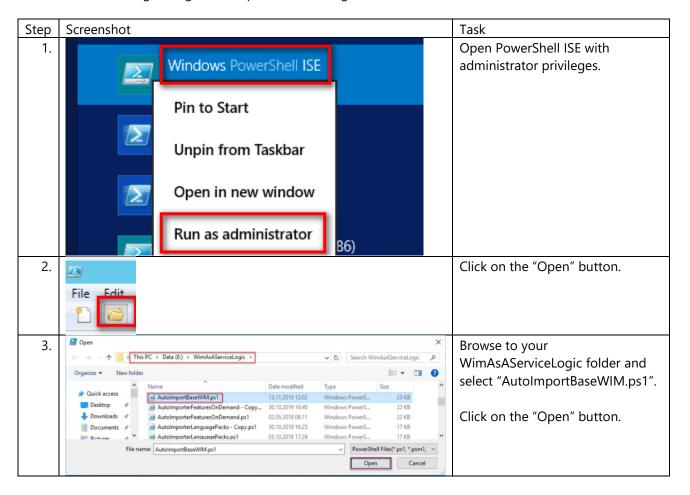
Attention: All these scripts need to be opened in a PowerShell ISE that is running with administrator permissions.

AutoImportBaseWIM.ps1 3.1

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. Attention: You have to execute these steps 4 Times to add 2 Languages for Example EN and DE in x64 and x86 Platform. Otherwise some ISOs will be skipped even if they are in the same folder.

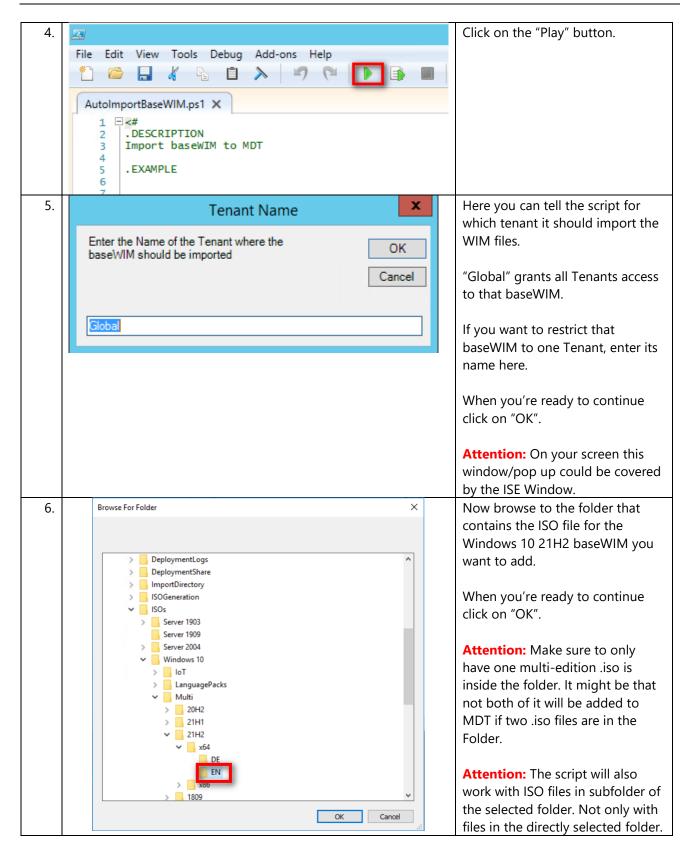
This script writes to the following logfile:

"E:\WimAsAServiceLogic_Logs\AutoImportBaseWIM.log"

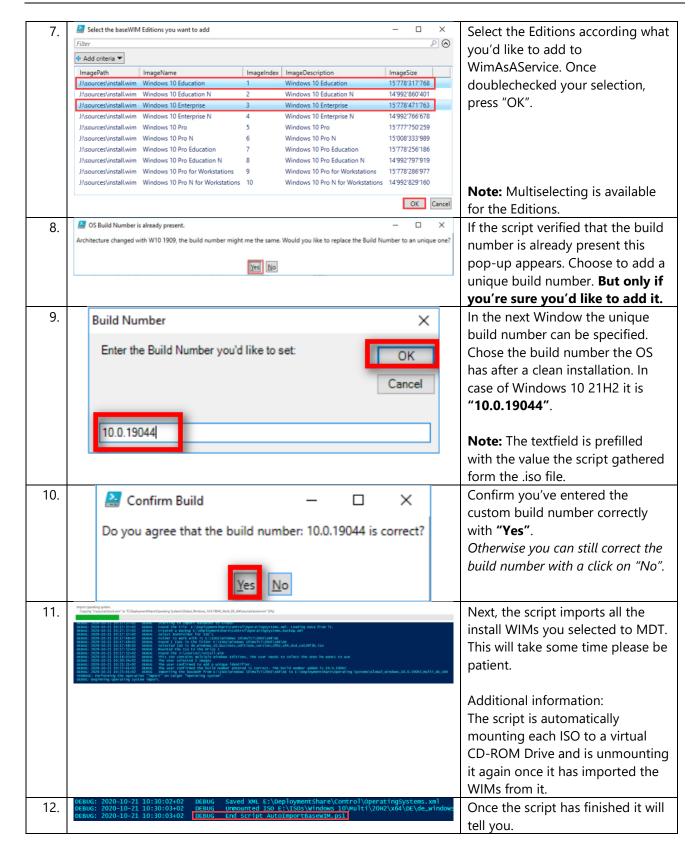


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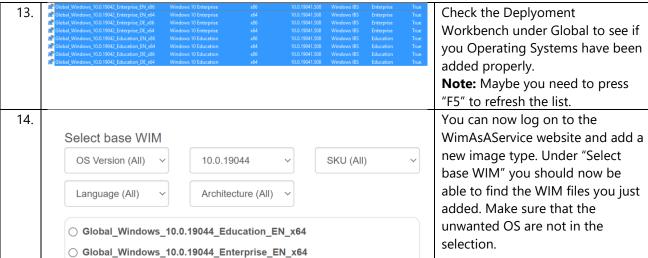
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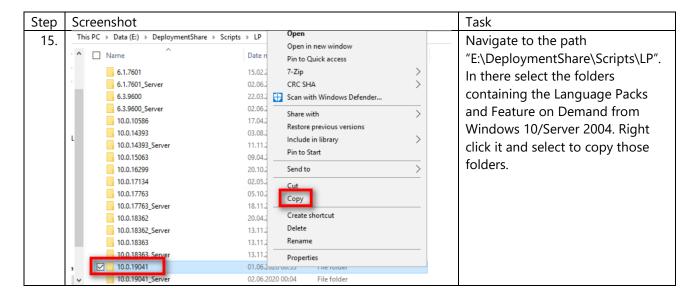
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Check the Deplyoment Workbench under Global to see if you Operating Systems have been added properly. Note: Maybe you need to press "F5" to refresh the list. You can now log on to the WimAsAService website and add a new image type. Under "Select



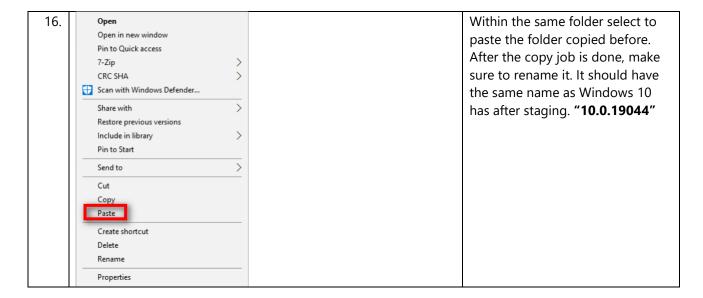
3.2 AutoImporterLanguagePacks.ps1

This script is not needed for Windows 10 Version 21H2 because it has the same language packs as Version 2004. Once Windows 10 21H2 is installed it has the build number 19044. Because the task sequence searches for language packs with this build number, the old Language Pack folder of Windows 10 2004 can be copied. After the copy job you must adjust the name of the folder to the corresponding build number of 21H2 after staging.



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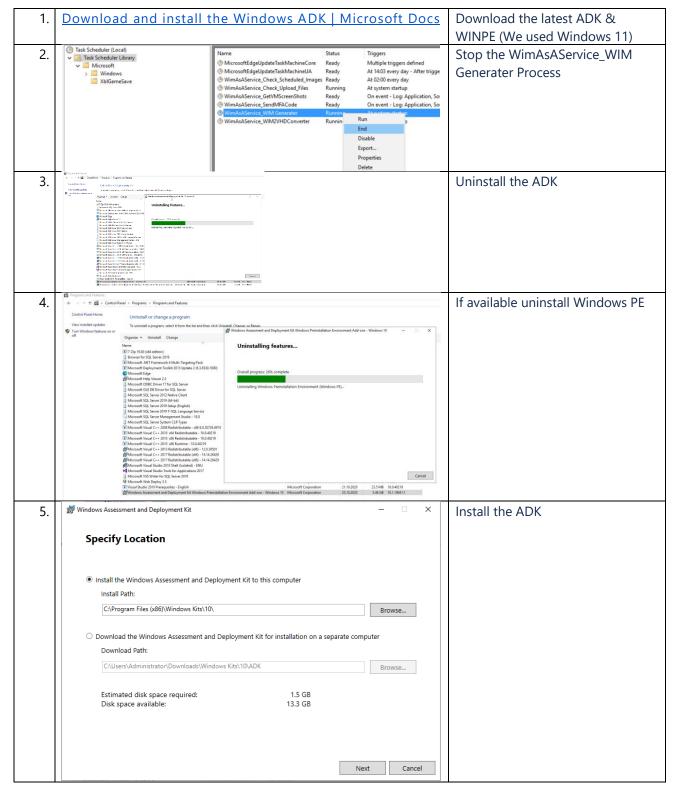
3.3 AutoImporterFeaturesOnDemand.ps1

Skip this step because the features on demand are part of the Language Packs folder. You should have copied this folder already and renamed it with the according build number. Therefor this step is obsolete for this Windows build.

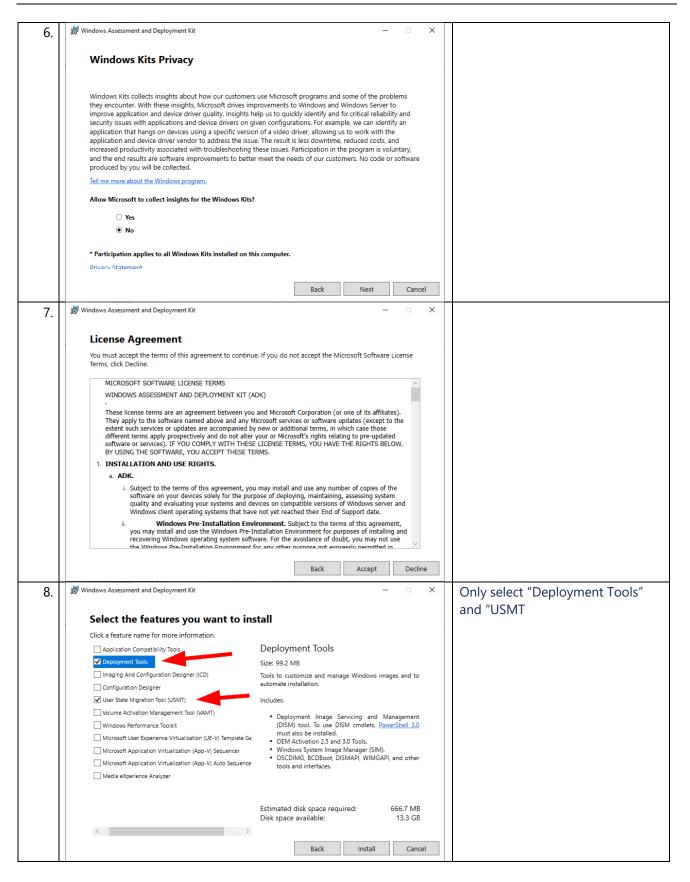
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Update the ADK and Windows PE 4

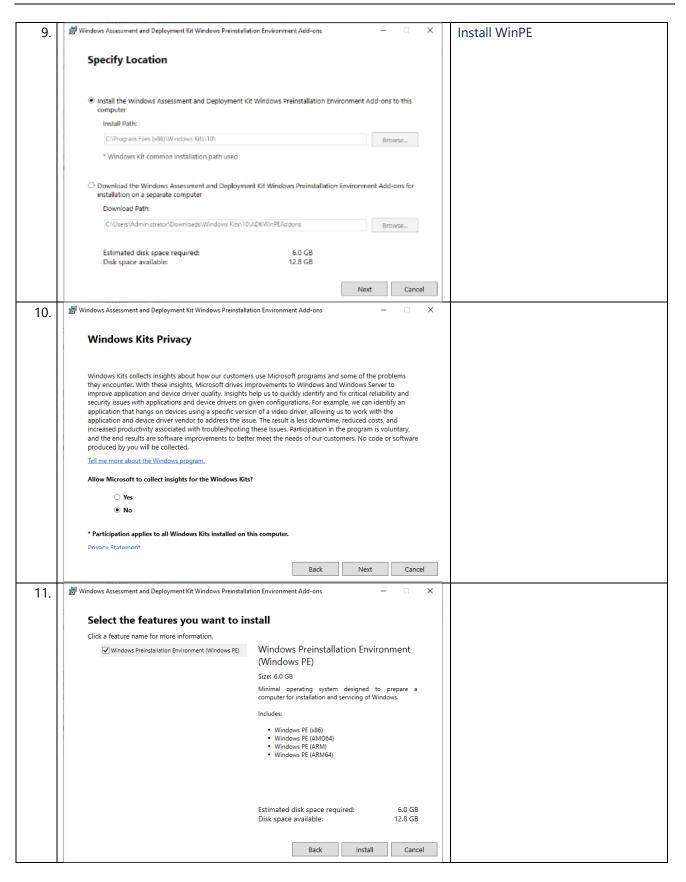


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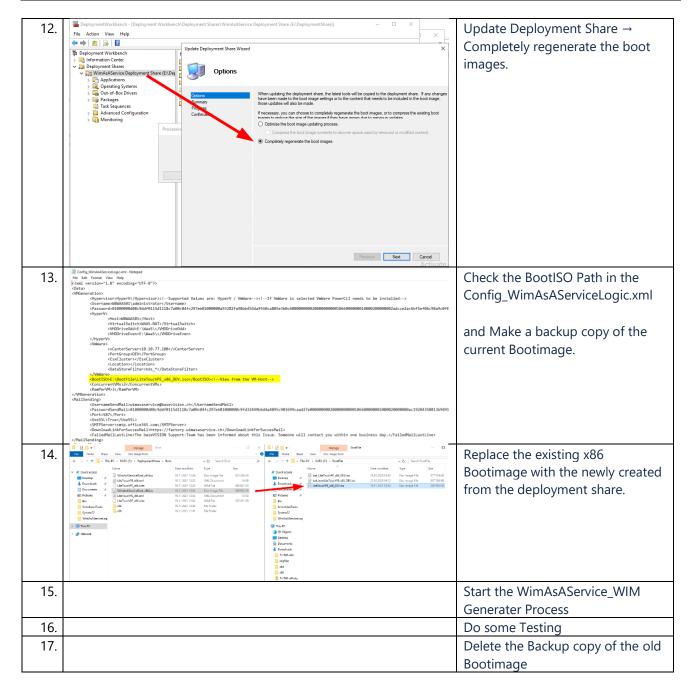
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5 Version history

Wann	Version	Wer	Beschreibung
22.11.2021	0.1	PAB	First Version