

## HOW TO PATCH VHDX FILE WITH LATEST CUMULATIVE UPDATES

For this exercise, I will be using VHDX file that has all the updates installed till May 2018. I did sysprep and saved the VHDX file.

Now, I am going to inject all the updates released by Microsoft from Jun and July 2018. To do this we have to copy VHDX files to a temporary folder. My temporary folder structure will be as follows:

C:\Test – Here I will copy the VHDX file

C:\Test\Updates – Here, I will create sub folders for each KB hotfix released. Please note you have to download all the updates from Microsoft Catalogue site before hand.

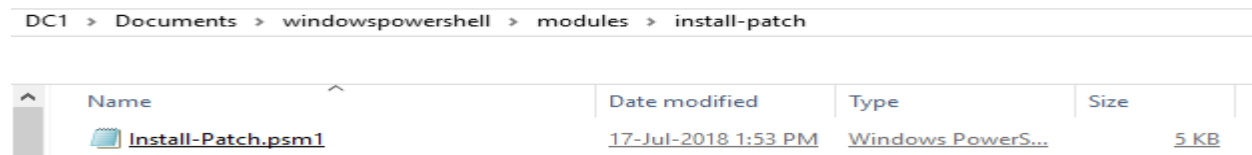
Make sure under documents folder you have these folder structure – if not create them manually.

C:\Users\XXXX\Documents\windowspowershell

C:\Users\XXXX\Documents\windowspowershell\modules

C:\Users\XXXX\Documents\windowspowershell\modules\install-patch

Inside install-patch folder copy PowerShell script file (Install-Patch.psm1)



You can download the script from here – The script is very useful – reason being you don't have to type any commands manually. This script can use used to update WIM files as well.

<https://github.com/KurtDeGreeff/PlayPowerShell/blob/master/Install-Patch.psm1>

Open PowerShell ISE as Admin and run these commands

Import-Module install-patch

Install-patch c:\Test\2016jul18temp.vhdx 'c:\test\updates'

```
PS C:\Users\Administrator\Documents\windowspowershell\modules\install-patch> Import-Module install-patch
PS C:\Users\Administrator\Documents\windowspowershell\modules\install-patch> Install-patch c:\Test\2016jul18temp.vhdx 'c:\test\updates'

Deployment Image Servicing and Management tool
Version: 10.0.14393.0

Deployment Image Servicing and Management tool
Version: 10.0.14393.0

Image Version: 10.0.14393.0

Processing 1 of 1 - Adding package C:\test\updates\06 windows10.0-kb4338822-x64_2db60cf228eca5137700178e0e7b2d6d3d19f78b
.msu
[=====100.0%=====]
The operation completed successfully.

Deployment Image Servicing and Management tool
Version: 10.0.14393.0

Image Version: 10.0.14393.0

Service Pack Cleanup cannot proceed: No Service Pack backup files were found.
The operation completed successfully.
PS C:\Users\Administrator\Documents\windowspowershell\modules\install-patch>
```

Now wait for the process to complete. Once done you have VHDX file with all the updates.

Thanks

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