New in Place Upgrade Tool Windows 7 to Windows 10

Microsoft released a new tool for in place upgrade. It does all the work for you and saves the script which can be imported into CB1910. After that you can deploy the task sequence – sit back and relax.

Check the link for more info - https://techcommunity.microsoft.com/t5/windows-it-pro-blog/simplifying-windows-10-deployment-with-configuration-manager/ba-p/1214364

https://aka.ms/win10upgradedemo

Here is various screen shot, I took within home lab. Here are my upgrade packages for Win 7 to Win 10.

- Overview
- **Upgrade options**
- Configuration
- Deployment

Yes
○ No

OS upgrade package ID ⓘ

TOR00183

Windows edition ⓘ

Windows 10 Enterprise ⌄

Log file location ⓘ

\\CB\SOURCES\LOGS

Prepare for upgrade tasks

Inline compatibility assessment ⓘ ⬤ On

Power source check ⓘ ⬤ On

Network connection check ⓘ ⬤ On

Disk space check ⓘ ⬤ On

Post-processing tasks

Run diagnostic tool on failure ⓘ ⬤ On

Verify app compatibility and system requirements before installing the upgrade. If issues are found, the upgrade won't proceed.

If **On**, the upgrade won't start unless the device is using a wired power source.

If **On**, the upgrade won't start unless the device is using a wired network connection.

If **On**, the upgrade won't start unless the device has 16 GB of free disk space for the 32-bit OS or 20 GB for the 64-bit OS.

If the upgrade was unsuccessful, run SetupDiag to help find the root cause of the failure.

- Overview
- Upgrade options
- **Configuration**
- Deployment

Confirm your configuration

Confirm your selections as we will create a script based on them. Edit the details if you want to make any changes to the following information.

Task sequence name
Windows 10 upgrade - Task 1

Operating system upgrade package in Configuration Manager
Yes

OS upgrade package ID
TOR00183

Windows edition
Windows 10 Enterprise

Log file location
\\CB\SOURCES\LOGS

Inline compatibility assessment
On

In-place upgrade with Configuration Manager

- ✓ Overview
- ✓ Upgrade options
- ● **Configuration**
- ○ Deployment

Operating system upgrade package in Configuration Manager
Yes

OS upgrade package ID
TOR00183

Windows edition
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Log file location
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Inline compatibility assessment
On

Power source check
On

Network connection check
On

Disk space check
On

Diagnostic tool
On

In-place upgrade with Configuration Manager

- ✓ Overview
- ✓ Upgrade options
- ✓ Configuration
- ● **Deployment**

Deploy the upgrade

Download the following script to a folder on your Configuration Manager server, for example, E:\scripts. This script will import your settings into Configuration Manager and deploy the upgrade.

📜 Download the script   Download a sample script ⓘ

After you download the script, follow the steps in all the tabs to complete the deployment.

Run script   Schedule upgrade   Begin upgrade   📄 🖨

Step 1
Open the Configuration Manager console. In the upper left corner of the ribbon, select the white arrow in the blue rectangle ▬▾, and then choose **Connect via Windows PowerShell**.

Step 2
In Windows PowerShell, enter the following command and accept the change:
Set-ExecutionPolicy Unrestricted -Scope Process

Step 3
Enter the full path of the script, and then select the **Enter** key.
Example: E:\scripts\Windows10deployment.ps1
If you need additional assistance, contact your FastTrack engineer.

[Back]   [Finish]   [Cancel]

ⓘ If the script encounters an error while importing the settings, it will rollback the changes that were made to your environment.

In-place upgrade with Configuration Manager

✅ Overview

✅ Upgrade options

✅ Configuration

✅ Deployment

✅ **Deployment configuration complete**

Now you can monitor your deployment from the Configuration Manager console.

Learn more

Monitor operating system deployments in System Center Configuration Manager

Done

Microsoft 365 admin center — RAMLAN INC dashboard

```powershell
1
2  [string]$TaskSequenceName = 'Windows 10 upgrade - Task 1'
3  [bool]$HasAddedOSUpgradePackage = $true
4  [string]$OSUpgradePackagePath = ''
5  [int]$LCID = 1033
6  [bool]$Is64BitArchitecture = $true
7  [string]$OSUpgradePackageID = 'TOR00183'
8  [int]$WindowsEditionIndex = 3
9  [string]$LogFileLocation = '\\CB\SOURCES\LOGS'
10 [bool]$ShouldRunInlineCompatibilityAssessment = $true
11 [bool]$ShouldRunPowerSourceCheck = $true
12 [bool]$ShouldRunNetworkConnectionCheck = $true
13 [bool]$ShouldRunDiskSpaceCheck = $true
14 [bool]$ShouldRunDiagnosticToolOnFailure = $true
15
16 function Import-SccmModule() {
17     Write-Host 'Checking for SCCM PowerShell module'
18
19     if (-not (Get-Module ConfigurationManager)) {
20         $ModuleLocation = ($env:SMS_ADMIN_UI_PATH.Substring(0, $env:SMS_ADMIN_UI_PATH.Length - 5) + '\ConfigurationManager.psd1')
21         Write-Host 'Importing SCCM PowerShell module from: ' $ModuleLocation
22         Import-Module $ModuleLocation | Out-Null
23     }
24     else {
25         Write-Host 'SCCM PowerShell module already imported'
26     }
27 }
28
29 function Set-SccmLocation() {
30     Write-Host 'Calling WMI to get SCCM site code'
31     $Sccm = Get-WmiObject -Namespace "root\SMS" -Class "SMS_ProviderLocation"
32
33     if (-not $Sccm -or -not $Sccm.SiteCode) {
34         throw 'Could not get SCCM site code from WMI'
35     }
36
37     Write-Host "Checking for existing SCCM drive for site code $($Sccm.SiteCode)"
38     $Drive = Get-PSDrive | Where-Object { $_.Name -eq $Sccm.SiteCode }
39
40     if (-not $Drive) {
41         Write-Host "Creating SCCM drive for site code $($Sccm.SiteCode)"
42         $LocalFqdn = ([System.Net.Dns]::GetHostByName(($env:computerName))).Hostname
43         New-PSDrive -Name $Sccm.SiteCode -PSProvider "AdminUI.PS.Provider\CMSite" -Root $LocalFqdn -Description "SCCM Site" | Out-Null
```

Now connect to the console through PowerShell
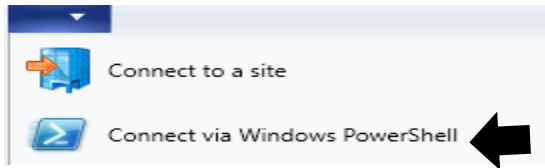
Run this command **set-executionpolicy unrestricted -scope process**

Type cd "c:\sources" and press Enter. After that type .\win10deployment.ps1

As you do the script will start creating task sequence with all the settings you selected before.

Now you have the task sequence ready for deployment to a collection that require in place upgrade from Windows 7 to Windows 10.

Thanks

Ram Lan
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