



Very often when we visit new customers, we find that they are running fully MDT integrated Task sequences. A closer look almost equally often reveals that they only use and need the Gather step.

So, as a lightweight alternative, when only using MDT for this simple task, we now recommend to instead run this PowerShell script near, or at, the top of the Task sequence. The script will create and populate what we have found being the most commonly used MDT variables. As from **2018-12-24 ("The @gwblok Christmas edition")** the script can be run in debug mode, which produces an output similar to this:

```
PS C:\Temp> .\gather.ps1 -debug
```

Architecture = X64

AssetTag = 2587-8432-5072-7229-5119-1116-54

BIOSReleaseDate = 20180831000000.000000+000

BIOSVersion = Hyper-V UEFI Release v4.0

DefaultGateway = 192.168.100.1

IPAddress = 192.168.100.100

IsDesktop = True

IsLaptop = False

IsOnBattery = False

IsServer = False

IsVM = True

MacAddress = 00:15:5D:8A:94:1C

Memory = 4094,94921875

Model = Virtual Machine

OSCurrentBuild = 17134

OSCurrentVersion = 10.0.17134

ProcessorSpeed = 2394

Product = Virtual Machine

SerialNumber = 2587-8432-5072-7229-5119-1116-54

UUID = 200A47C7-5324-40BE-A30C-C3042D34D828

Vendor = Microsoft Corporation

VMPlatform = Hyper-V

When run in TSEnvironment "OSDComputerName" will be set to the same value as the built in "_SMSTSMachineName".

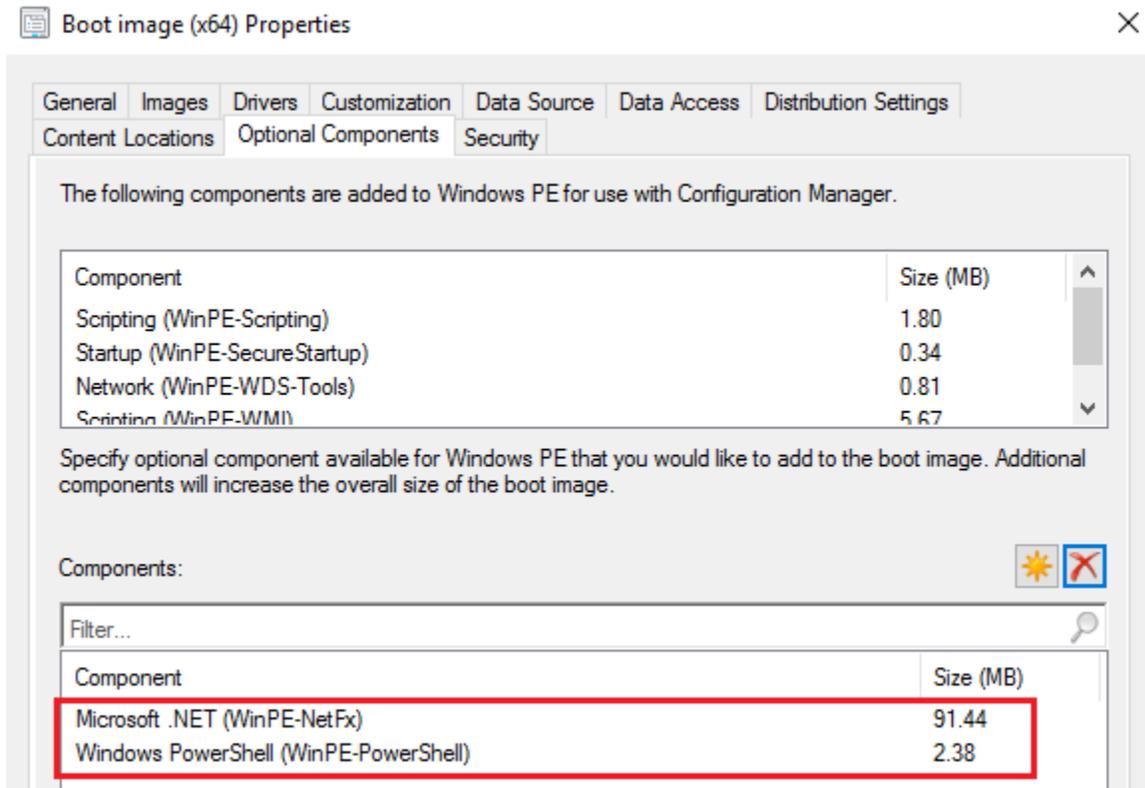
The script should be invoked as early as possible in the task sequence

The screenshot displays a task sequence editor interface. On the left, a tree view shows the task sequence structure. The 'Scripts' folder under 'Prepare for Upgrade' is expanded, and 'Run Gather.ps1' is highlighted with a red box. On the right, the configuration for the 'Run PowerShell Script' task is shown. The 'Name' field is 'Run Gather.ps1'. The 'Script name' field is 'Gather.ps1', also highlighted with a red box. The 'PowerShell execution policy' is set to 'Bypass'. A warning icon and text at the bottom state: 'PowerShell v1.0 does not support Undefined and Bypass execution policies.'

Advantages: Less maintenance, no MDT.

Disadvantage: You need the PowerShell optional component in your boot image.

Make sure to remember:



A special thank you to Gary Blok (@gwblok) for providing feedback and bringing energy to the refinement of this script.

Changelog:

2019-01-09: Protected OSDComputerName from being overwritten if already set.

2019-02-03: Added Bitlocker status information. (IsBDE, BitlockerEncryptionMethod and BitlockerEncryptionType)

2020-04-13: Additional variables when executed in Full OS: OsLocale, WindowsInstallationType, WindowsProductName, TimeZone. Added desktop chassis type "35".