Execute, Copy, Install and Active Setup Commands

Execute-MSI:

Executes msiexec.exe to perform the following actions for MSI & MSP files and we can install, uninstall, update,etc as per the parameter -Action.

- Execute-MSI -Action 'Install' -Path 'Adobe_FlashPlayer_11.2.202.233_x64_EN.msi'
- Execute-MSI -Action 'Install' -Path 'Adobe_FlashPlayer_11.2.202.233_x64_EN.msi' -Transform 'Adobe_FlashPlayer_11.2.202.233_x64_EN_01.mst' -Parameters '/QN'
- Execute-MSI -Action 'Uninstall' -Path '{26923b43-4d38-484f-9b9e-de460746276c}'
- Execute-MSI -Action 'Patch' -Path 'Adobe_Reader_11.0.3_EN.msp'
- Execute-MSI -Action Install -Path $AppMSIName -SkipMSIAlreadyInstalledCheck -ContinueOnError $False -LogName "${AppMSIName}_MSI"

Execute process:

Execute a process with optional arguments, working directory, window style.

- Execute-Process -Path 'uninstall_flash_player_64bit.exe' -Parameters '/uninstall' -WindowStyle 'Hidden'
- Execute-Process -Path "$dirFiles\Bin\setup.exe" -Parameters '/S' -WindowStyle 'Hidden'
- Execute-Process -Path 'setup.exe' -Parameters '/S' -IgnoreExitCodes '1,2'
- Execute-Process -Path 'setup.exe' -Parameters "-s -f2`"$configToolkitLogDir\$installName.log`""
- Execute-Process -Path 'setup.exe' -Parameters "/s /v`"ALLUSERS=1 /qn /L* `"$configToolkitLogDir\$installName.log`"`""

ExecuteMSP:

Reads SummaryInfo targeted product codes in MSP file and determines if the MSP file applies to any installed products

- Execute-MSP -Path 'Adobe_Reader_11.0.3_EN.msp'
- Execute-MSP -Path 'AcroRdr2017Upd1701130143_MUI.msp' -AddParameters 'ALLUSERS=1'

Copy-File:

Copy a file or group of files to a destination path.

- Copy-File -Path "$dirSupportFiles*.*" -Destination "$envTemp\tempfiles"
- Copy-File -Path "$dirSupportFiles\MyApp.ini" -Destination "$envWinDir\MyApp.ini"

Install-Msupdate:

Install all Microsoft Updates of type ".exe", ".msu", or ".msp" in a given directory

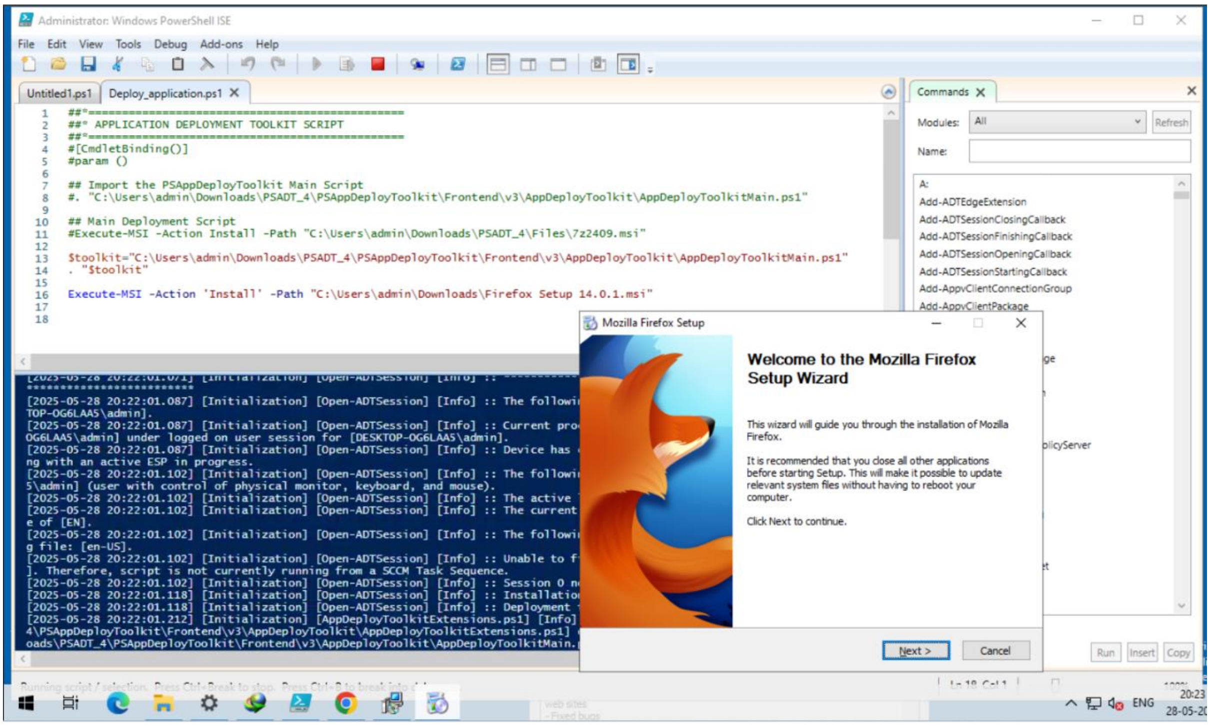
- Install-MSUpdates -Directory "$dirFiles\MSUpdates"

Set-ActiveSetup:

Creates an Active Setup entry in the registry to execute a file for each user upon login.

- Set-ActiveSetup -StubExePath 'C:\Users\Public\Company\ProgramUserConfig.vbs' -Arguments '/Silent' -Description 'Program User Config' -Key 'ProgramUserConfig' -Locale 'en’

- Set-ActiveSetup -StubExePath "$envWinDir\regedit.exe" -Arguments "/S `"%SystemDrive%\Program Files (x86)\PS App Deploy\PSAppDeployHKCUSettings.reg`"" -Description 'PS App Deploy Config' -Key 'PS_App_Deploy_Config' -ContinueOnError $true


Administrator: Windows PowerShell ISE
File Edit View Tools Debug Add-ons Help
Untitled1.ps1
Deploy_application.ps1
Commands
Modules: All
Refresh
Name:
A:
Add-ADTEdgeExtension
Add-ADTSessionClosingCallback
Add-ADTSessionFinishingCallback
Add-ADTSessionOpeningCallback
Add-ADTSessionStartingCallback
Add-AppvClientConnectionGroup
Add-AppvClientPackage
Run
Insert
Copy
Mozilla Firefox Setup
Next >
Cancel
ENG
20:23
28-05-20

```
##*===============================================
##* APPLICATION DEPLOYMENT TOOLKIT SCRIPT
##*===============================================
#[CmdletBinding()]
#param ()

## Import the PSAppDeployToolkit Main Script
#. "C:\Users\admin\Downloads\PSADT_4\PSAppDeployToolkit\Frontend\v3\AppDeployToolkit\AppDeployToolkitMain.ps1"

## Main Deployment Script
#Execute-MSI -Action Install -Path "C:\Users\admin\Downloads\PSADT_4\Files\7z2409.msi"

$toolkit="C:\Users\admin\Downloads\PSADT_4\PSAppDeployToolkit\Frontend\v3\AppDeployToolkit\AppDeployToolkitMain.ps1"
. "$toolkit"

Execute-MSI -Action 'Install' -Path "C:\Users\admin\Downloads\Firefox Setup 14.0.1.msi"
```

```
[2025-05-28 20:22:01.071] [Initialization] [Open-ADTSession] [Info] :: ----------
*************************
[2025-05-28 20:22:01.087] [Initialization] [Open-ADTSession] [Info] :: The followi
TOP-OG6LAA5\admin].
[2025-05-28 20:22:01.087] [Initialization] [Open-ADTSession] [Info] :: Current pro
OG6LAA5\admin] under logged on user session for [DESKTOP-OG6LAA5\admin].
[2025-05-28 20:22:01.087] [Initialization] [Open-ADTSession] [Info] :: Device has
ng with an active ESP in progress.
[2025-05-28 20:22:01.102] [Initialization] [Open-ADTSession] [Info] :: The followi
5\admin] (user with control of physical monitor, keyboard, and mouse).
[2025-05-28 20:22:01.102] [Initialization] [Open-ADTSession] [Info] :: The active
[2025-05-28 20:22:01.102] [Initialization] [Open-ADTSession] [Info] :: The current
e of [EN].
[2025-05-28 20:22:01.102] [Initialization] [Open-ADTSession] [Info] :: The followi
g file: [en-US].
[2025-05-28 20:22:01.102] [Initialization] [Open-ADTSession] [Info] :: Unable to f
]. Therefore, script is not currently running from a SCCM Task Sequence.
[2025-05-28 20:22:01.102] [Initialization] [Open-ADTSession] [Info] :: Session 0 n
[2025-05-28 20:22:01.118] [Initialization] [Open-ADTSession] [Info] :: Installatio
[2025-05-28 20:22:01.118] [Initialization] [Open-ADTSession] [Info] :: Deployment
[2025-05-28 20:22:01.212] [Initialization] [AppDeployToolkitExtensions.ps1] [Info]
4\PSAppDeployToolkit\Frontend\v3\AppDeployToolkit\AppDeployToolkitExtensions.ps1]
oads\PSADT_4\PSAppDeployToolkit\Frontend\v3\AppDeployToolkit\AppDeployToolkitMain.
```

Welcome to the Mozilla Firefox Setup Wizard

This wizard will guide you through the installation of Mozilla Firefox.

It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.

Click Next to continue.

Running script / selection. Press Ctrl+Break to stop. Press Ctrl+B to break into d

Execute-MSI Installation and Uninstallation

In PSAppDeployToolkit, Execute-MSI is a function used for installing, uninstalling, patching, repairing, or performing active setup on MSI and MSP files, or using MSI product codes. For installation, it defaults to using the /i (install) switch of msiexec.exe, while for uninstallation, it uses the /x (uninstall) switch.

Installation

Basic Usage: Use -Action Install and provide the path to the MSI file.

Parameters: we can add or override default parameters to customize the installation process/qn – Silent installation

- /norestart or REBOOT=ReallySuppress – Prevent system restart
- /L*v – Enable verbose logging

Example: Execute-MSI -Action Install -Path "C:\path\to\app.msi" -Parameters "/qn REBOOT=ReallySuppress"

Uninstallation

Basic Usage: Use -Action Uninstall with the MSI path or product code.

Parameters: Similar to installation; use /qn for silent uninstall and /L*v for logging

Example: Execute-MSI -Action Uninstall -Path "C:\path\to\app.msi" -Parameters "/qn REBOOT=ReallySuppress"

Important Considerations

- **Product Code**: You can uninstall using the MSI's product code instead of the file path.
- **Logging**: Use -LogName to specify a custom log file.
- **Pre-flight Checks**: Disable MSI installed check with -SkipMSIAlreadyInstalledCheck.
- **Error Handling**: -ContinueOnError can be used to continue execution on failure.

Commands For Installation and Uninstallation

Installation

- **Execute-MSI**: Primary cmdlet to install MSI packages.

Parameters:

-Action Install: Defines the operation.

-Path: Path to the .msi file.

-DeployMode: Set deployment mode (Silent, Interactive, or NonInteractive).

Example: Execute-MSI -Action Install -Path "C:\path\to\your.msi" -DeployMode Silent

Uninstallation

- **Uninstall-ADTApplication**: Used for uninstalling apps previously installed using PSAppDeployToolkit.
- **Execute-MSI**: Can also uninstall using the product's GUID or MSI path.

Example: Execute-MSI -Action Uninstall -Path "{GUID of the product}"

Start-Process with msiexec.exe: Alternative method to manually run uninstall commands.

Example: Start-Process -FilePath "C:\Windows\System32\msiexec.exe" -ArgumentList "/x{GUID of the product} /qn" -Wait

Other related commands:

- **Get-RunningProcesses**
  Checks for running processes that may need to be closed before proceeding with installation or uninstallation.
- **Show-WelcomePrompt**
  Displays a customizable welcome message to inform or prompt the user before continuing with the deployment.
- **Remove-MSIApplications**
  Uninstalls specific MSI-based applications from the system.
- **Unblock-ADTAppExecution**
  Unblocks an application that was previously blocked by the toolkit.
- **Unregister-ADT-Dll**
  Unregisters a specified DLL file