Execute-MSI and Uninstall-ADTApplication

Installation:

● Execute-MSI: This cmdlet is used to execute MSI files.

You can specify the path to the MSI file and various parameters like -Action Install, -Path, and -DeployMode (Interactive, Silent, NonInteractive).

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

Uninstallation (via PowerShell):

1. **Uninstall-ADTApplication**
   → Uninstalls apps installed with **PSAppDeployToolkit**.

2. **Execute-MSI -Action Uninstall -Path "{GUID}"** → Uses product **GUID** to uninstall via MSI.

3. **Start-Process with msiexec.exe**
   → Directly calls Windows Installer to uninstall.
   → Example:

Start-Process -FilePath "msiexec.exe" -ArgumentList "/x{GUID} /qn" -Wait

All methods support **silent uninstall** using /qn.
Use **product GUID** to target the specific installed app.

Other related commands:

● **Get-RunningProcesses**: Checks for running processes that might need to be closed before an installation or uninstallation

● **Show-WelcomePrompt**: Displays a welcome prompt to the user.

● **Remove-MSIApplications**: Removes specified MSI applications.

● **Unblock-ADTAppExecution**: Unblocks the execution of an application that was blocked.

● **Unregister-ADTDll** : Unregisters a specific DLL.

Execute-MSI in PSAppDeployToolkit

▪ **Purpose:-** Used to install, uninstall, patch, or repair MSI/MSP files using msiexec.exe switches.

➢ Installation:

❖ **Basic Command: Execute-MSI -Action Install -Path "C:\path\to\app.msi"**

Common Parameters:

❖ **/qn – Silent install**
❖ **REBOOT=ReallySuppress – Prevent reboot**
❖ **/L*v – Verbose logging**

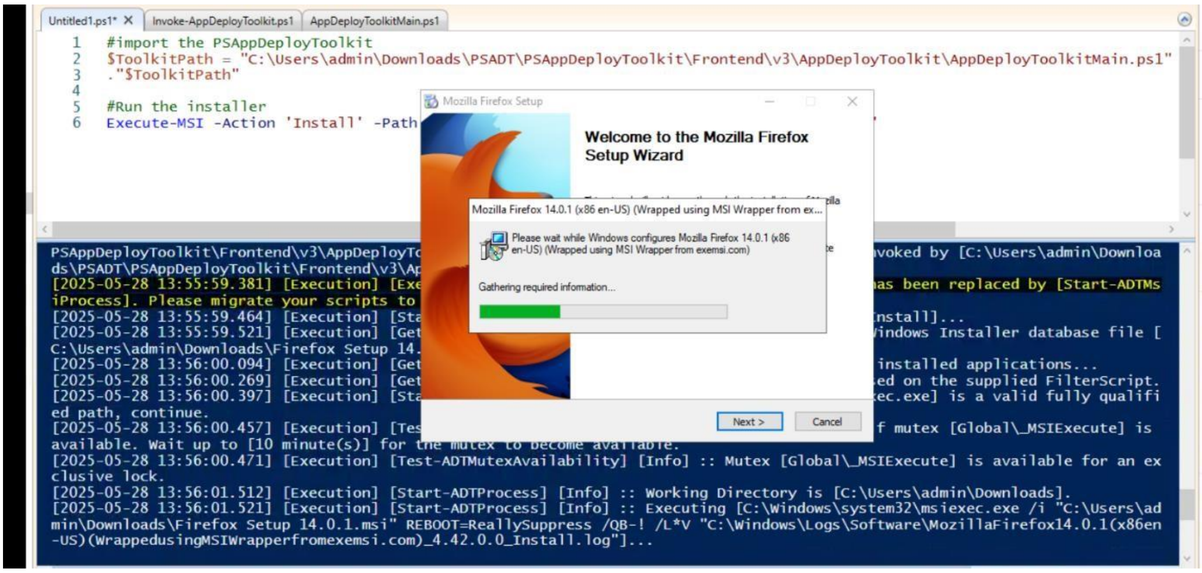
Example: Execute-MSI -Action Install -Path "app.msi" -Parameters "/qn REBOOT=ReallySuppress"

- **Uninstallation:**
  - **Basic Command:**
  - **Execute-MSI -Action Uninstall -Path "C:\path\to\app.msi" ❖ Alternative: Use product GUID instead of MSI path.**
  - **Same parameters apply (/qn, REBOOT=ReallySuppress, /L*v).**

Important Options:

- **Product Code Support: Can uninstall using product GUID.**
- **Log Output: Use -LogName to save logs.**
- **Skip Reinstall Check: Use -SkipMSIAlreadyInstalledCheck.**
- **Error Control: Use -ContinueOnError to allow script to continue after failure.**

Practical Implementation of the installation command:



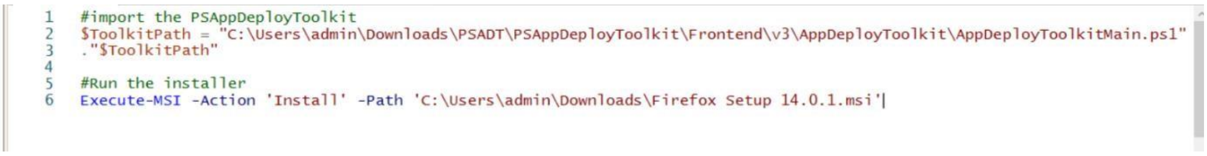
```
#import the PSAppDeployToolkit
$ToolkitPath = "C:\Users\admin\Downloads\PSADT\PSAppDeployToolkit\Frontend\v3\AppDeployToolkit\AppDeployToolkitMain.ps1"
."$ToolkitPath"

#Run the installer
Execute-MSI -Action 'Install' -Path
```

Mozilla Firefox 14.0.1 (x86 en-US) (Wrapped using MSI Wrapper from ex...

Please wait while Windows configures Mozilla Firefox 14.0.1 (x86 en-US) (Wrapped using MSI Wrapper from exemsi.com)

Gathering required information...

```
PSAppDeployToolkit\Frontend\v3\AppDeployTo                                       voked by [C:\Users\admin\Downloa
ds\PSADT\PSAppDeployToolkit\Frontend\v3\Ap
[2025-05-28 13:55:59.381] [Execution] [Exe                                       as been replaced by [Start-ADTMs
iProcess]. Please migrate your scripts to
[2025-05-28 13:55:59.464] [Execution] [Sta                                       nstall]...
[2025-05-28 13:55:59.521] [Execution] [Get                                       indows Installer database file [
C:\Users\admin\Downloads\Firefox Setup 14.
[2025-05-28 13:56:00.094] [Execution] [Get                                        installed applications...
[2025-05-28 13:56:00.269] [Execution] [Get                                       ed on the supplied FilterScript.
[2025-05-28 13:56:00.397] [Execution] [Sta                                       ec.exe] is a valid fully qualifi
ed path, continue.
[2025-05-28 13:56:00.457] [Execution] [Tes                                       f mutex [Global\_MSIExecute] is
available. Wait up to [10 minute(s)] for the mutex to become available.
[2025-05-28 13:56:00.471] [Execution] [Test-ADTMutexAvailability] [Info] :: Mutex [Global\_MSIExecute] is available for an ex
clusive lock.
[2025-05-28 13:56:01.512] [Execution] [Start-ADTProcess] [Info] :: Working Directory is [C:\Users\admin\Downloads].
[2025-05-28 13:56:01.521] [Execution] [Start-ADTProcess] [Info] :: Executing [C:\Windows\system32\msiexec.exe /i "C:\Users\ad
min\Downloads\Firefox Setup 14.0.1.msi" REBOOT=ReallySuppress /QB-! /L*V "C:\Windows\Logs\Software\MozillaFirefox14.0.1(x86en
-US)(WrappedusingMSIWrapperfromexemsi.com)_4.42.0.0_Install.log"]...
```



```
#import the PSAppDeployToolkit
$ToolkitPath = "C:\Users\admin\Downloads\PSADT\PSAppDeployToolkit\Frontend\v3\AppDeployToolkit\AppDeployToolkitMain.ps1"
."$ToolkitPath"

#Run the installer
Execute-MSI -Action 'Install' -Path 'C:\Users\admin\Downloads\Firefox Setup 14.0.1.msi'
```

Execute, Copy, Install and Active Setup Commands

List of commands:

1) 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-9b9ede460746276c}'
- Execute-MSI -Action 'Patch' -Path 'Adobe_Reader_11.0.3_EN.msp'
- Execute-MSI -Action Install -Path $AppMSIName -SkipMSIAlreadyInstalledCheck -ContinueOnError $False -LogName "${AppMSIName}_MSI"

2) 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`"`""

3) Execute-MSP

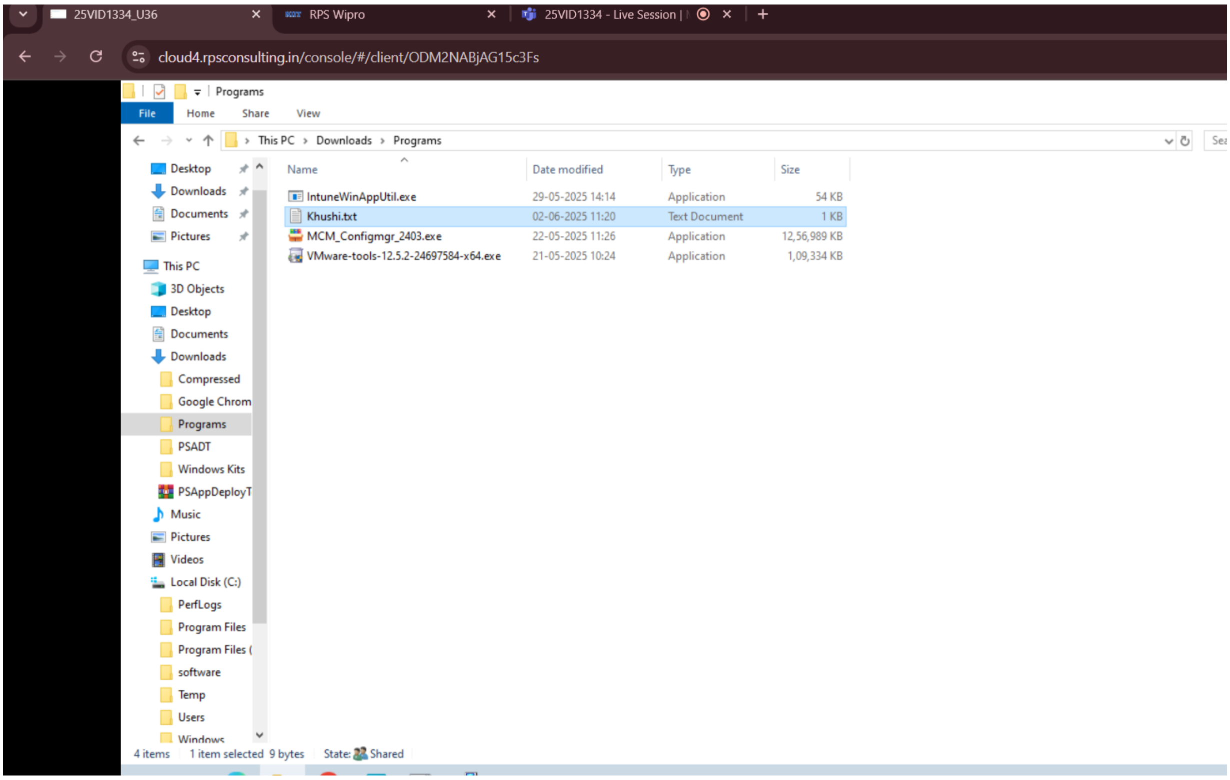
Reads SummaryInfo targeted product codes in MSP file and determines if the MSP file applies to any installed products.

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

4) 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"



Name	Date modified	Type	Size
IntuneWinAppUtil.exe	29-05-2025 14:14	Application	54 KB
Khushi.txt	02-06-2025 11:20	Text Document	1 KB
MCM_Configmgr_2403.exe	22-05-2025 11:26	Application	12,56,989 KB
VMware-tools-12.5.2-24697584-x64.exe	21-05-2025 10:24	Application	1,09,334 KB

4 items 1 item selected 9 bytes State: Shared

5) Install-MSUpdate

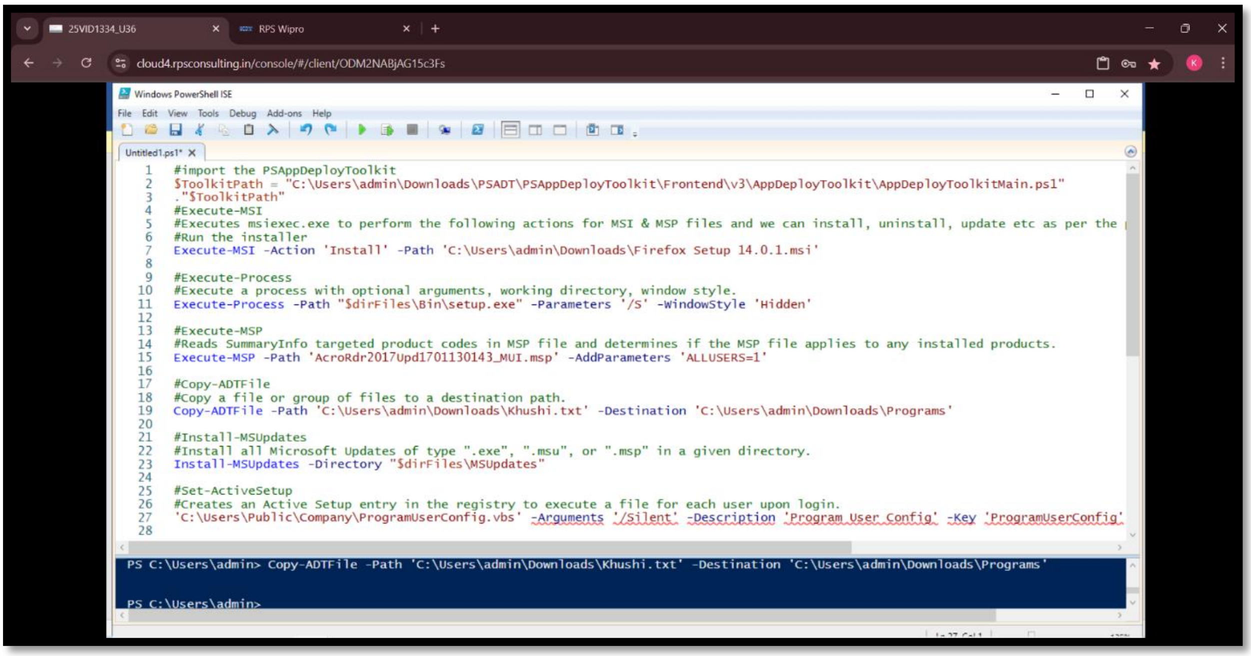
Install all Microsoft Updates of type ".exe", ".msu", or ".msp" in a given directory.

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

6) 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


25VID1334_U36
RPS Wipro
cloud4.rpsconsulting.in/console/#/client/ODM2NABjAG15c3Fs
Windows PowerShell ISE
File Edit View Tools Debug Add-ons Help
Untitled1.ps1*

```powershell
#import the PSAppDeployToolkit
$ToolkitPath = "C:\Users\admin\Downloads\PSADT\PSAppDeployToolkit\Frontend\v3\AppDeployToolkit\AppDeployToolkitMain.ps1"
."$ToolkitPath"
#Execute-MSI
#Executes msiexec.exe to perform the following actions for MSI & MSP files and we can install, uninstall, update etc as per the
#Run the installer
Execute-MSI -Action 'Install' -Path 'C:\Users\admin\Downloads\Firefox Setup 14.0.1.msi'

#Execute-Process
#Execute a process with optional arguments, working directory, window style.
Execute-Process -Path "$dirFiles\Bin\setup.exe" -Parameters '/S' -WindowStyle 'Hidden'

#Execute-MSP
#Reads SummaryInfo targeted product codes in MSP file and determines if the MSP file applies to any installed products.
Execute-MSP -Path 'AcroRdr2017Upd1701130143_MUI.msp' -AddParameters 'ALLUSERS=1'

#Copy-ADTFile
#Copy a file or group of files to a destination path.
Copy-ADTFile -Path 'C:\Users\admin\Downloads\Khushi.txt' -Destination 'C:\Users\admin\Downloads\Programs'

#Install-MSUpdates
#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.
'C:\Users\Public\Company\ProgramUserConfig.vbs' -Arguments '/Silent' -Description 'Program User Config' -Key 'ProgramUserConfig'

```

```
PS C:\Users\admin> Copy-ADTFile -Path 'C:\Users\admin\Downloads\Khushi.txt' -Destination 'C:\Users\admin\Downloads\Programs'


PS C:\Users\admin>
```