

## PSADT Commands: Execute-MSI, Execute-MSP, Execute-Process, Copy-File

The PowerShell App Deployment Toolkit (PSADT) simplifies complex deployment tasks through specialized functions (cmdlets) for installing, uninstalling, and managing applications and files.

### 1. Execute-MSI:

This command handles installation, uninstallation, patching, or repairing of Microsoft Installer (MSI) files.

#### Command Examples:

# Install an MSI silently

```
Execute-MSI -Action 'Install' -Path 'Adobe_FlashPlayer_11.2.202.233_x64_EN.msi'  
-Parameters '/QN'
```

# Uninstall an MSI using its product code

```
Execute-MSI -Action 'Uninstall' -Path '{26923b43-4d38-484f-9b9e-de460746276c}'
```

# Install an MSI with logging and skip already installed check

```
Execute-MSI -Action Install -Path $AppMSIName -SkipMSIAlreadyInstalledCheck  
-ContinueOnError $False -LogName "${AppMSIName}_MSI"
```

### 2. Execute-MSP:

This command is used to apply Microsoft Patch (MSP) files to existing installations.

#### Command Examples:

# Apply an MSP patch

```
Execute-MSP -Path 'Adobe_Reader_11.0.3_EN.msp'
```

# Apply an MSP patch with additional parameters

```
Execute-MSP -Path 'AcroRdr2017Upd1701130143_MUI.msp' -AddParameters  
'ALLUSERS=1'
```

### 3. Execute-Process:

This versatile command executes any executable file or script, including non-MSI installers.

#### **Command Examples:**

# Execute an uninstaller silently

```
Execute-Process -Path 'uninstall_flash_player_64bit.exe' -Parameters '/uninstall'  
-WindowStyle 'Hidden'
```

# Execute a setup.exe silently from a subfolder

```
Execute-Process -Path "$dirFiles\Bin\setup.exe" -Parameters '/S' -WindowStyle  
'Hidden'
```

# Execute a setup.exe ignoring specific exit codes

```
Execute-Process -Path 'setup.exe' -Parameters '/S' -IgnoreExitCodes '1,2'
```

# Execute a setup.exe with verbose logging

```
Execute-Process -Path 'setup.exe' -Parameters "-s  
-f2`"$configToolkitLogDir\$installName.log`""
```

### 4. Copy-File:

This command is used for copying files or entire directories during the deployment process.

#### **Command Examples:**

# Copy all files from the SupportFiles directory to a temporary location

```
Copy-File -Path "$dirSupportFiles\*.*)" -Destination "$envTemp\tempfiles"
```

# Copy a specific INI file to the Windows directory

```
Copy-File -Path "$dirSupportFiles\MyApp.ini" -Destination "$envWinDir\MyApp.ini"
```