

**NAME** : B S SUDHEENDRA

**EMAIL ID** : [bssudheendra2006@gmail.com](mailto:bssudheendra2006@gmail.com)

## **TOPIC - 1 : Deployment Process Using PSADT**

### **Importance of PSADT**

PSADT: The PowerShell App Deployment Toolkit meant to deploy software with PowerShell.

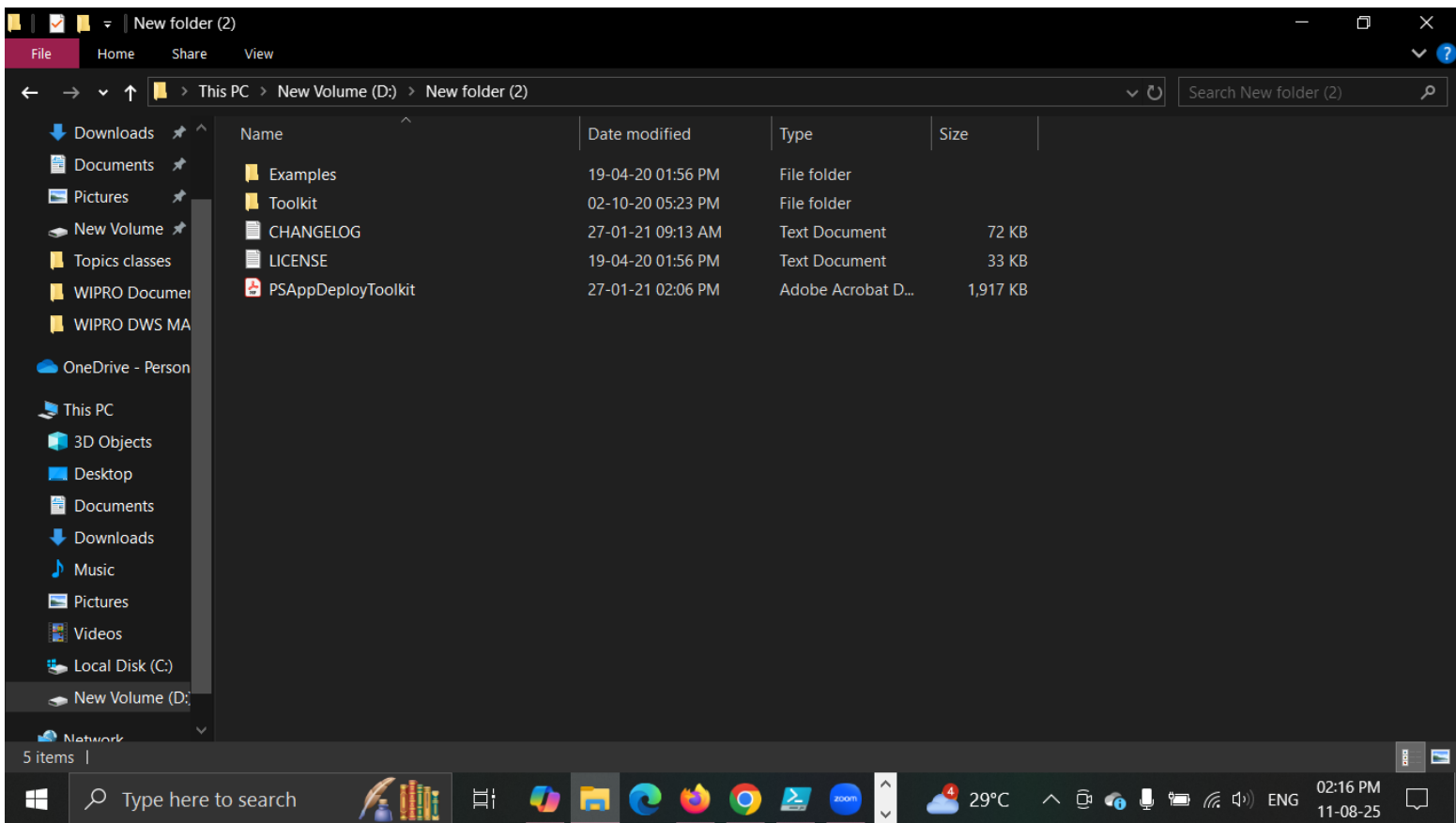
It involves:

- MSI/EXE install
- Good looking prompts and logging
- SCCM/Intune support
- Silent install support and rollback PSADT is used by specialists with large environments.

The folders bundled together to efficiently manage deployment packages and scripts. This consistent and organized way assists in efficient handling, modification, and reuse thereby ensuring more certainty associated with application deployment.

- Various customizations can be made within PSADT to brand the app (banners, icons), UI customizations and for scripting.
- The code changes should be issue tracked using version control(Git) to avoid confusion and replacement of old deployment scripts.
- The modular and flexible structure provided in the PSADT v4 allows for less of a headache to manage and customize deployments.

It ensures the IT professionals in building, deploying and managing application deployments in an effective and more consistent manner.



## Topic 2 : Psadt.exe Application Deployment Process

When you download PSADT, you'll get a folder with:

Deploy-Application.ps1 ← Main script you edit

Deploy-Application.exe ← Wrapper to run the .ps1

Toolkit\ ← PSADT core functions

Files\ ← Place for your application installers

AppDeployToolkitConfig.xml

AppDeployToolkitMain.ps1

For deploying an .exe app, you'll mainly work with:

- *\*Files\** → put your .exe installer here.

- **Deploy-Application.ps1** → edit this to install/uninstall.

## 2. Place Your.exe Installer

Example:

CopyEdit

.\Files\7z2501-x64.exe

This keeps things organized and lets PSADT find the installer easily.

## 3. Edit Deploy-Application.ps1

Inside the script, find the `##*=====`[ **INSTALLATION**  
`]======*##` section and add:powershell

CopyEdit

```
##*======[  
INSTALLATION]======*##
```

```
# Install 7-Zip silently
```

```
Show-InstallationWelcome -CloseApps '7zFM' -AllowDefer
```

```
Show-InstallationProgress -StatusMessage 'Installing 7-Zip, please wait...'
```

```
Execute-Process -Path "$dirFiles\7z2501-x64.exe" -Parameters "/S"
```

```
Show-InstallationPrompt -Message 'Installation complete!' -ButtonRightText 'OK'
```

For uninstall, in the `##*=====`[ **UNINSTALLATION**  
`]======*##` section:powershell

CopyEdit

```
##*===== [ UNINSTALLATION
]=====*##
```

# Example uninstall (if your exe supports /uninstall or /S)

Execute-Process -Path "\$dirFiles\7z2501-x64.exe" -Parameters "/S" # or actual uninstall command

## 4. Run the Deployment

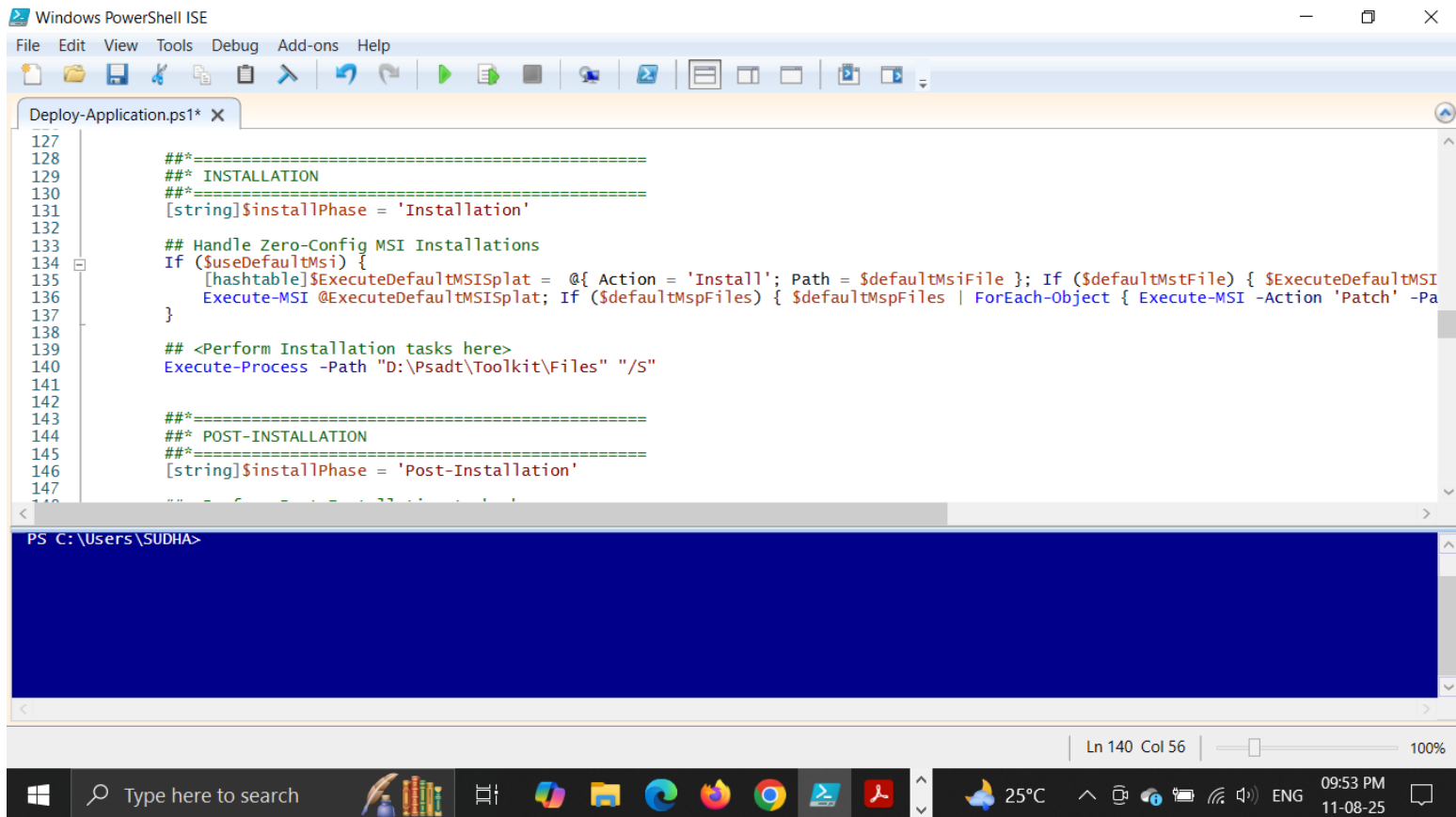
You have **two** ways:

- **PowerShell directly:**

powershell

CopyEdit

.\Deploy-Application.ps1 -DeploymentType Install



The screenshot displays the Windows PowerShell ISE interface. The main editor window shows a script file named 'Deploy-Application.ps1' with the following content:

```
127
128     ##*=====
129     ##* INSTALLATION
130     ##*=====
131     [string]$installPhase = 'Installation'
132
133     ## Handle Zero-Config MSI Installations
134     If ($useDefaultMsi) {
135         [hashtable]$ExecuteDefaultMSISplat = @{ Action = 'Install'; Path = $defaultMsiFile }; If ($defaultMstFile) { $ExecuteDefaultMSI
136             Execute-MSI @ExecuteDefaultMSISplat; If ($defaultMspFiles) { $defaultMspFiles | ForEach-Object { Execute-MSI -Action 'Patch' -Pa
137         }
138     }
139
140     ## <Perform Installation tasks here>
141     Execute-Process -Path "D:\Psadt\Toolkit\Files" "/S"
142
143     ##*=====
144     ##* POST-INSTALLATION
145     ##*=====
146     [string]$installPhase = 'Post-Installation'
147
```

Below the script editor is a terminal window with a blue background, showing the command prompt 'PS C:\Users\SUDHA>'.

The Windows taskbar at the bottom includes the Start button, a search bar, and several application icons. The system tray on the right shows the temperature (25°C), time (09:53 PM), and date (11-08-25).

Files

FileHomeShareView

←→↓↑

This PC > New Volume (D:) > Psadt > Toolkit > Files

Search Files

Documents

Pictures

AppDeployTool

New Volume (D:)

Toolkit

WIPRO DWS MA

OneDrive - Person

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

Videos

Local Disk (C:)

New Volume (D:)

Network

Name	Date modified	Type	Size
7z2501-x64	11-08-25 05:00 PM	Windows Installer ...	1,950 KB

1 item |

Windows

Type here to search

Taskbar icons: File Explorer, Microsoft Edge, Firefox, Google Chrome, VS Code, etc.

System tray: 24°C, network, volume, date/time (10:02 PM 11-08-25), ENG