NAME : B S SUDHEENDRA

EMAIL ID : bssudheendra2006@gmail.com

TOPIC - 1 : Deployment Process Using PSADT

Importance of PSADT

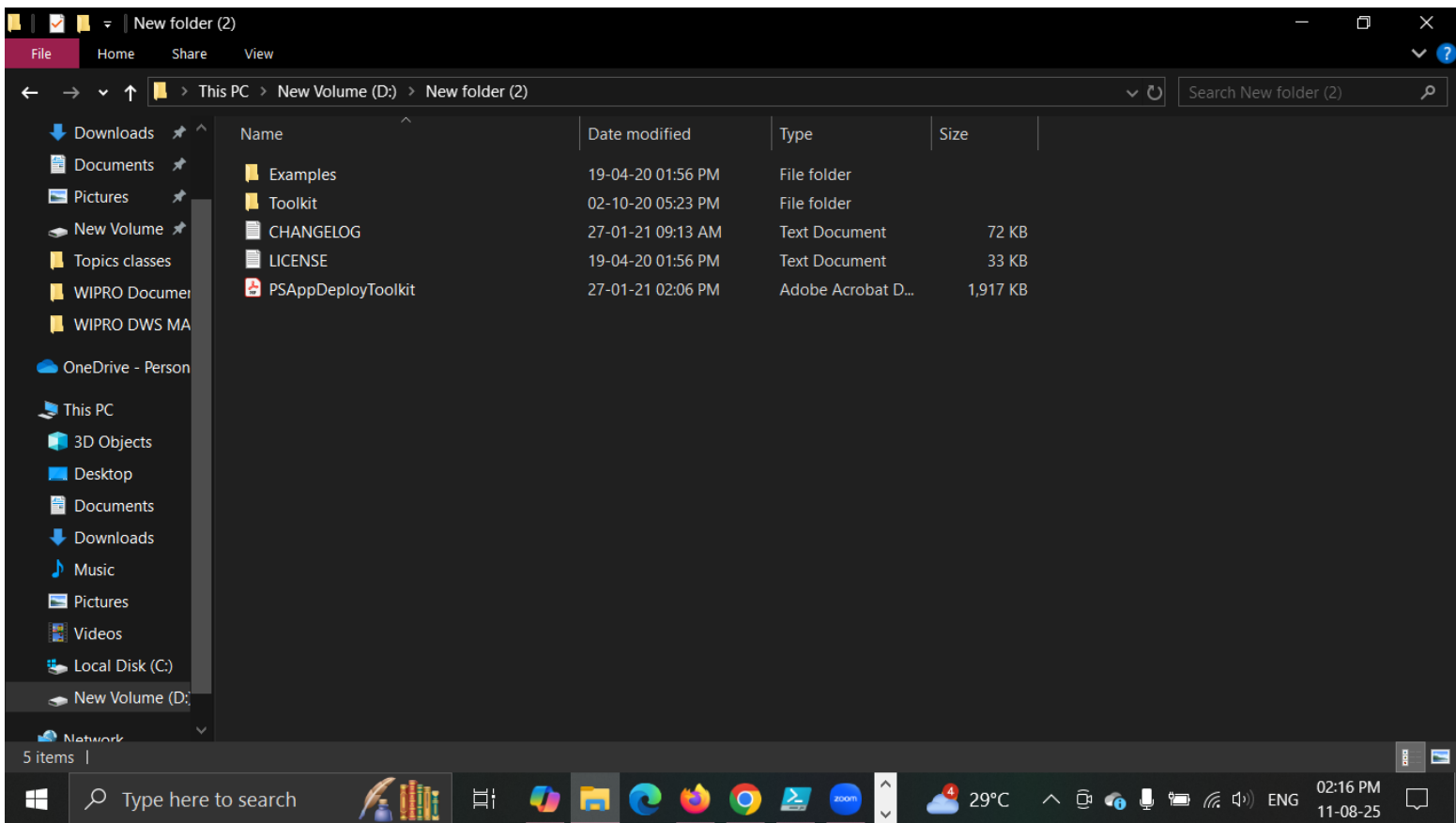PSADT: The PowerShell App Deployment Toolkit meant to deploy software with PowerShell.

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 contol(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:

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.\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

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```
##*===========================[
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

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

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

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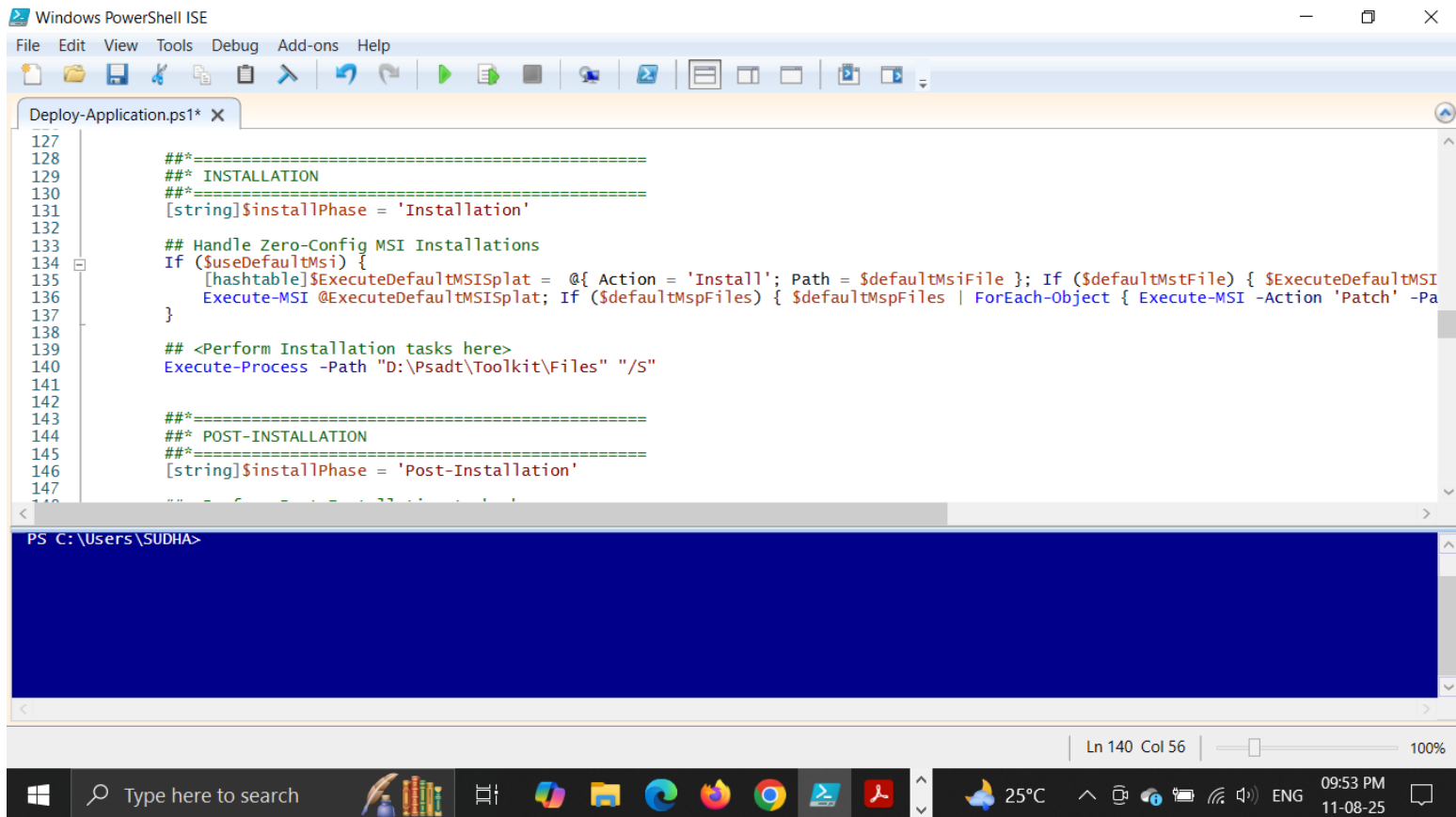
4. Run the Deployment

You have **two ways**:

- **PowerShell directly:**

powershell

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.\Deploy-Application.ps1 -DeploymentType Install

File   Home   Share   View

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

Search Files

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

Documents
Pictures
AppDeployToolk
New Volume (D:
Toolkit
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OneDrive - Person

This PC
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