

PSAppDeployToolkit (PSADT)

The PSAppDeployToolkit (PSADT) is a PowerShell-based framework that simplifies application deployment for enterprises.

Platform Value:

- [1]. Simplifies Complex Scripting
- [2]. Consistent User Experience
- [3]. Improved Deployment Success
- [4]. Open-Source and Contributed

Concepts:

- i. **ADTSession Object** – Stores user input and settings.
- ii. **Pre-defined Functions** – Built-in commands for install, check, close apps. iii. **Exit Codes** – Shows if install passed or failed. iv. **Deployment Structure** – Organized folders for clean setup.
- v. **Deployment Modes** – Supports silent, interactive, or auto installs.

Usage:

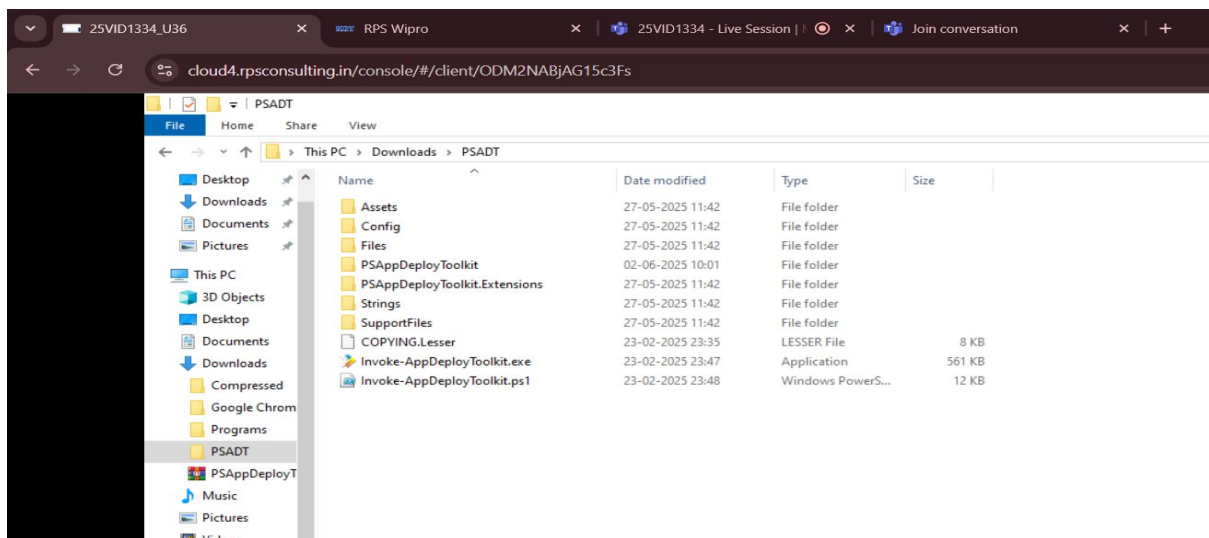
- **Deploying Applications**
- **Scripting Deployment Logic**
- **Using Functions**
- **Running Scripts**
- **Utilizing ADTSession**

PowerShell App Deployment Toolkit specific folder structure to organize deployment packages and their associated files.

Key Folders:

- **Toolkit:** Contains the PSAppDeployToolkit framework itself including the necessary files and folders for creating deployment packages.
- **Files:** Where you store the installation files for the application you're deploying.
- **SupportFiles:** An optional folder to store files that support the deployment such as configuration files or scripts.
- **Deploy-Application.exe:** The executable file used to execute the deployment script.
- **Deploy-Application.ps1:** The PowerShell script that contains the logic for deploying the application.
- **Strings:** Contains the UI messages for the deployment process including English and other languages.
- **Images:** Holds images used in the deployment UI such as application logos or icons.

Configuration: Contains configuration files including the main configuration file (Deploy-Configuration.psd1).



Template Script in PSADT

The PSAppDeployToolkit provides template scripts for application deployment. These scripts like Deploy-Application.ps1 are designed to streamline the deployment process and ensure consistency across deployments.

1. Understanding PSAppDeployToolkit and Templates

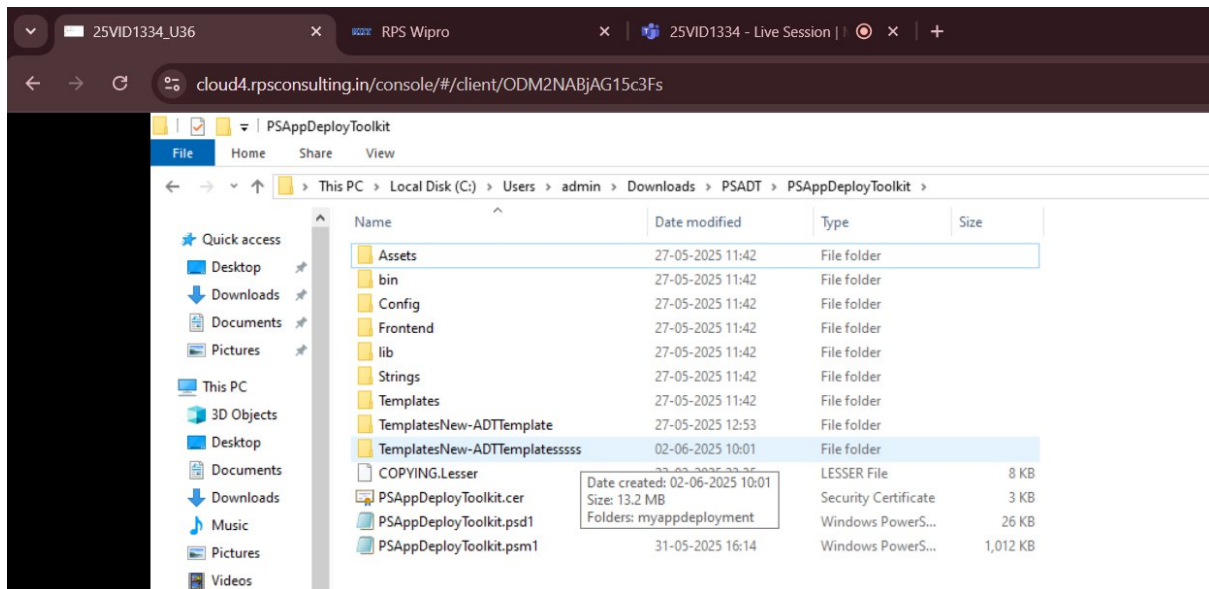
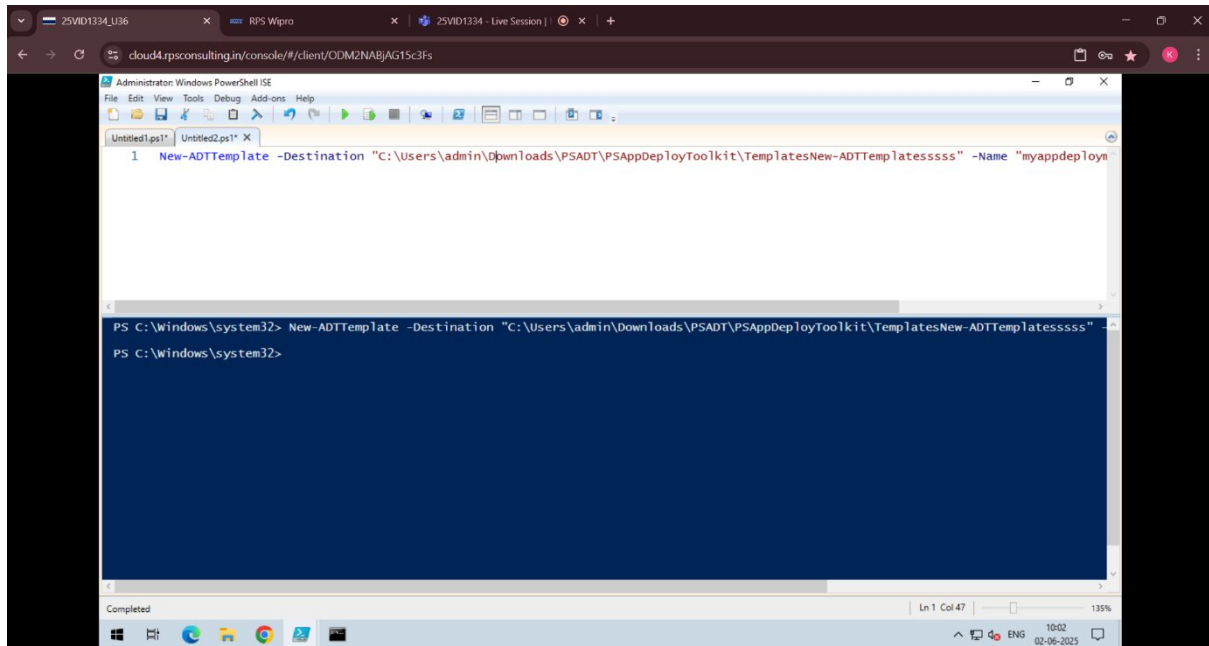
- PSAppDeployToolkit is a framework that simplifies complex scripting for enterprise application deployment.
- It provides a set of pre-defined functions for common deployment tasks.
- Template scripts like Deploy-Application.ps1 are designed to be customized to meet specific deployment requirements.

2. Using the Template Script (Deploy-Application.ps1)

- The Deploy-Application.ps1 script is a template that can be used for both installing and uninstalling applications.
- You can edit the script in the Windows PowerShell ISE application to customize it for your specific needs.
- The AppDeployToolkitMain.ps1 script contains the logic and functions for installing or uninstalling applications.

3. Creating a New Deployment Using Templates

- PSAppDeployToolkit provides internal templates that can be used to create new deployments.
- To create a deployment using the PSADT v3 compatible template, we can use the command **New-ADTTemplate -Destination C:\Temp\MyAppDeployment -Name "MyOldAppDeployment" -Version 3**
- To create a deployment using the PSADT v4 native template, we can use the command **New-ADTTemplate -Destination C:\Temp\MyAppDeployment -Name "MyAppDeployment"**



4. Additional Resources

- Download templates from Github:
 - PSAppDeployToolkit_Template_v3.zip
 - PSAppDeployToolkit_Template_v4.zip

5. Customizing the Template Script

- We can customize the Deploy-Application.ps1 script to meet our specific deployment requirements.
- This includes modifying the script's parameters, adding new commands and customizing the user interface.

Configuration Process

- Download and Extract:** Download the PSAppDeployToolkit and extract the zip file.
- Locate Configuration File:** Navigate to the Toolkit\AppDeployToolkit directory and find the AppDeployToolkitConfig.xml file.

3. **Edit Configuration:** Open the AppDeployToolkitConfig.xml file and customize it according to your needs.

- **Toolkit Options:** Configure general toolkit settings like required administrative rights, temporary file paths, and logging options.

- **Banner, Logo & Icon Options:** Customize the UI banner, logos, and icons.

- **MSI Options:** Configure logging options, log paths, and installation parameters for MSI installations.
- **UI Options:** Set general UI options like balloon notifications, script timeouts, and exit codes.

- **UI Messages:** Edit or add languages for the user interface.

4. **Save and Apply:** Save the changes to the AppDeployToolkitConfig.xml file. These changes will be applied to all scripts created using PSAppDeployToolkit.

Benefits of Using AppDeployToolkitConfig.xml:

- Centralized Configuration
- Consistency
- Customization
- Simplified Scripting

The PowerShell Application Deployment Toolkit (PSAppDeployToolkit) provides template scripts for application deployment. These scripts, like Deploy-Application.ps1, are designed to streamline the deployment process and ensure consistency across deployments.

1. Understanding PSAppDeployToolkit and Templates
2. Using the Template Script (Deploy-Application.ps1)
3. Creating a New Deployment Using Templates:

Installation of power shell application deployment toolkit

Search -> PSApp Deployment Toolkit ->

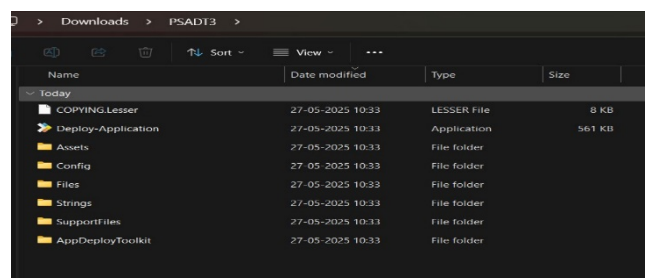
[PSAppDeployToolkit Latest Release](#)

>https://github.com/PSAppDeployToolkit/PSAppDeployToolkit/releases/download/4.0.6/PSAppDeployToolkit_Template_v4.zip

>https://github.com/PSAppDeployToolkit/PSAppDeployToolkit/releases/download/4.0.6/PSAppDeployToolkit_Template_v3.zip

->Download it -> Extract in the folder inside download ->There are multiple version

Version-3 and Version-4



DownloadsPSADT4

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






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