

❖ PowerShell Application Deployment Tool Kit (PSADT) :

- **Understand basic platform value, concepts and usage in PSADT :**

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

- This toolkit enhances application deployment by providing a consistent user experience, reducing complex scripting, and improving deployment success rates.

Platform Value:

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

Concepts:

- 1.ADTSession Object:
- 2.Pre-defined Functions:
- 3.Exit Codes:
- 4.Deployment Structure:
- 5.Deployment Modes:

Usage :

1. Deploying Application
2. Scripting Deployment Logic
3. Using Functions
4. Running Scripts
5. Utilizing ADTSession

- **Folder Structure in PS app deploy toolkit :**

The PowerShell App Deployment Toolkit (PSAppDeployToolkit) uses a specific folder structure to organize deployment packages and their associated files.

Key Folders :

1. **Toolkit** : Including the necessary files and folders for creating deployment packages
2. **Examples** : Holds example deployments for various applications
3. **Files** : Store the installation files for the application you're deploying
4. **Supported File** : An optional folder to store files that support the deployment
5. **Deploy-Application.exe** : The executable file used to execute the deployment script.
6. **Deploy-Application.ps1** : The PowerShell script that contains the logic for deploying the application.
7. **Strings** : Contains the UI messages for the deployment process
8. **Image** : Holds images used in the deployment UI
9. **Configurvation** : Contains configuration files, including the main configuration file

- **Tool Configuration in PS app deploy toolkit :**

To configure PSAppDeployToolkit, you modify the AppDeployToolkitConfig.xml file , which allows you to set default log locations, message icons, banners, logging options, and more.

Breakdown of the configuration process:

1. **Download and Extract:** Download the PSAppDeployToolkit and extract the zip file.
2. **Locate Configuration File:** find the AppDeployToolkitConfig.xml file.
3. **Edit Configuration:** Open the AppDeployToolkitConfig.xml file and customize it according to your needs.

1. Toolkit Options
2. Banner , Logo & Icon Options
3. MSI Options
4. UI Options
5. UI Messages

4. **Save and Apply**

- **Template Scripts in PS app deploy toolkit :**

- 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

- The Deploy-Application.ps1 script is a template that can be used for both installing and uninstalling applications.

- The script either performs an "install" or "uninstall" deployment type.

- The "install" deployment type is broken down into three sections: Pre-Install, Install, and Post-Install.

- The script refers to the AppDeployToolkitMain.ps1 script, which contains the logic and functions for installing or uninstalling applications

- PSAppDeployToolkit provides internal templates that can be used to create new deployments.

- **Commands for Installation/Uninstallation in PS app deploy toolkit :**

- In The PowerShell App Deployment Toolkit (PSAppDeployToolkit) the main commands for installation and uninstallation are **Execute-MSI** and **Uninstall-ADTApplication** respectively.

- Installation :**

- Execute_MSI : -**

- It is used to execute MSI files . You can specify the path to the MSI file and various parameters .

- UnInstallation :**

- Uninstall-ADTApplication :**

- This cmdlet handles uninstall application .

- You can use Execute-MSI with -Action Uninstall to uninstall application.

- Other Related Commands :**

- 1. **Get Running Process**
 2. **Show-Welcome Promot**
 3. **Remove-MSIApplication**
 4. **Unblock-ADTApplications**