

Summary of PowerShell App Deployment Toolkit (PSADT):

PSADT is a free tool based on PowerShell that helps make software deployment easier in companies. It provides ready-to-use scripts and a simple way to manage installations. It gives users a consistent experience, reduces errors, and makes the process smoother.

Key Points:

- **Easy Scripting:** Makes writing installation scripts simple and faster.
- **User-Friendly:** Shows clear messages to users during installation.
- **Reliable:** Reduces mistakes and improves success in installations.
- **Open-Source:** Free to use and improve by anyone.

Main Features:

- **ADTSession Object:** Stores info like user input and install status.
- **Built-in Functions:** Includes functions to check requirements, close apps, and install software.
- **Exit Codes:** Shows if install was successful or failed.
- **Folder Structure:** Keeps all files organized.
- **Deployment Modes:** Supports interactive, silent, and automatic installations.

Usage:

You can use PSADT to install software, write deployment logic, use built-in functions, and run scripts using PowerShell or a special executable file. It helps manage complex installs in a simple and reliable way.

Summary of PSADT Folder Structure:

The PowerShell App Deployment Toolkit (PSADT) uses a set folder structure to keep everything organized when deploying software. Here's what each folder and file is for:

- **Toolkit:** Contains the main PSADT framework and tools needed to build deployments.
- **Examples:** Includes sample deployments for apps like Adobe Reader and MS Office.
- **Files:** This is where you put the software installation files (like MSI or EXE files).
- **SupportFiles:** Optional folder for extra files like config files or helper scripts.
- **Deploy-Application.exe:** The file you run to start the software installation.
- **Deploy-Application.ps1:** The main PowerShell script that controls how the software is installed.
- **Strings:** Stores message texts that users see during installation (supports multiple languages).
- **Images:** Holds images like logos or icons used in the installer window.
- **Configuration:** Keeps the settings and configuration files, including the main config file (Deploy-Configuration.psd1).

Summary of PSADT Template Scripts:

The PowerShell App Deployment Toolkit (PSADT) provides ready-to-use template scripts like `Deploy-Application.ps1` to help automate software installations and uninstallations. These templates simplify the process and ensure consistency.

Key Points:

- **Deploy-Application.ps1** is the main script used for installs and uninstalls. It has three parts: Pre-Install, Install, and Post-Install.
- You can edit the script using PowerShell ISE to match your needs.
- PSADT templates are available in different versions (v3, v4) and can be created using the `New-ADTTemplate` command.
- Templates and examples can be downloaded from PSADT's GitHub page.
- You can customize the script by adding commands, changing parameters, or updating the user interface.

In short, PSADT templates help make software deployment faster, easier, and more reliable.