What is PSADT?

- PSADT is a toolkit to install/uninstall apps using PowerShell.

- It makes software deployment easier.

- It uses ready-made functions & templates.

- Helps create simple, clean scripts.

- Works well on many systems with fewer errors.

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⬜ Platform Value

- ✅ **Easy Scripting** – No need for long, complex scripts.

- ✅ **Same UI Every Time** – Looks the same for every install.

- ✅ **Better Success Rate** – Fewer install errors.

- ✅ **Open Source** – Anyone can use or improve it.

🔑 Key Concepts

- **ADTSession Object**
  → Stores info like settings, user inputs, status, etc.

- **Pre-defined Functions**
  → Use ready-made commands to:

  - o Close apps

  - o Check system requirements

  - o Install silently

- **Exit Codes**
  → Tells if install was OK or failed.

- **Deployment Folder Structure**
  → Keeps scripts, files, logs well-organized.

- **Deployment Modes**
  → 3 types:

  - o **Interactive** – With user interaction

- o **Silent** – No user prompts

- o **Non-Interactive** – Auto-run in background

Usage Examples

- **Deploying Apps**
  → Run MSI or EXE with toolkit commands.

- **Writing Scripts**
  → Create folders, set user settings, run installs.

- **Using Functions**
  → Close open apps, check pre-reqs, set values.

- **Running Scripts**
  → Use PowerShell or deployapplication.exe

- **Using ADTSession**
  → Store info like install status, errors, user choices.

PSAppDeployToolkit Config – Easy Notes

 What is it?

- A file that helps **set default options** for all deployments.

- File name: AppDeployToolkitConfig.xml

- You only need to set it **once**!

 Steps to Configure

1. **Download & Extract**
   → Get the PSADT ZIP and unzip it.

2. **Find the Config File**
   → Go to:
   Toolkit\AppDeployToolkit\AppDeployToolkitConfig.xml

3. **Open and Edit**
   → Change settings as needed:

   - o ⬚ **Toolkit Options**: admin rights, temp folder, logging

   - o ⬚ **Banner/Icon**: logo, icon, banner image

   - o ⬚ **MSI Options**: log path, install options

   - o ⬚ **UI Options**: popups, timeouts, exit codes

   - o ⬚ **UI Messages**: edit or add languages

4. **Save and Done!**
   → These changes will now work in **every new script**.

PSAppDeployToolkit – Template Script Notes

⬚ **What Is It?**

- PSADT includes **template scripts** to help with app installs & uninstalls.

- Main script: **Deploy-Application.ps1**
  → This is where you write your deployment logic.

Commands:

New-ADTTemplate -Destination C:\Temp\MyAppDeployment -Name "MyAppDeployment"

⬚ **PSAppDeployToolkit Folder Structure – Quick Reference**

⬚ **Toolkit/**

- **Core Framework**
  - → **Contains PSADT engine files**
  - → **Do not modify unless customizing the toolkit itself**

📁 Examples/

- **Sample Deployments**
  - → **Pre-built scripts for apps like Adobe Reader, MS Office**
  - → **Great for learning from real examples**

📁 Files/

- **Main App Installers**
  - → **Place your .msi, .exe, or setup files here**
  - ✅ *e.g.*, **GoogleChromeEnterprise64.msi**

📁 SupportFiles/

- **Extra Resources (Optional)**
  - → **Store things like:**
    - ○ **Custom scripts**
    - ○ **Config files**
    - ○ **Registry keys, batch files, etc.**

📄 Deploy-Application.exe

- **Launch Point**
  - → **Runs the Deploy-Application.ps1 script**
  - → **Simplifies launching deployments for non-PowerShell users**

📄 Deploy-Application.ps1

- **Main Deployment Script**
  - → **Customize this file for your deployment**
  - → **Uses PSADT functions for Install/Uninstall logic**

⬚ Strings/

- **UI Language Texts**
  → Message strings for dialog boxes
  → Includes:

  - **AppDeployToolkitStrings-en-US.xml**

  - **Other languages supported here**

Images/

- **UI Branding Elements**
  → Logos, icons, banners
  ✅ *Used in dialogs & popups during install*

⚙ Configuration/

- **Settings & Defaults**
  → Includes Deploy-Configuration.psd1
  → Controls toolkit behavior (timeouts, balloon tips, exit codes, etc.)

✅ Why This Structure Matters

- **Keeps deployments organized**

- **Helps automate and standardize installs**

- **Supports branding, multi-language UI, and modularity**

```
Invoke-AppDeployToolkit.ps1                        # F
Invoke-AppDeployToolkit.exe                        # F

├───Files                                          # F
├───SupportFiles                                   # S

├───PSAppDeployToolkit                             # F
    PSAppDeployToolkit.psd1                        # F
    PSAppDeployToolkit.psm1                        # F

├───PSAppDeployToolkit.Extensions                  # F
    PSAppDeployToolkit.Extensions.psd1
    PSAppDeployToolkit.Extensions.psm1

├───Assets
    AppIcon.png                                    # T
    Banner.Classic.png                             # T

├───Config
    config.psd1                                    # F

└───Strings
    └───<LanguageCode>
        strings.psd1
strings.psd1
```

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