**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.

**🌟 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:
  + Close apps
  + Check system requirements
  + Install silently
* **Exit Codes**  
  → Tells if install was OK or failed.
* **Deployment Folder Structure**  
  → Keeps scripts, files, logs well-organized.
* **Deployment Modes**  
  → 3 types:
  + **Interactive** – With user interaction
  + **Silent** – No user prompts
  + **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:
   * 💼 **Toolkit Options**: admin rights, temp folder, logging
   * 🎨 **Banner/Icon**: logo, icon, banner image
   * 📦 **MSI Options**: log path, install options
   * 🔔 **UI Options**: popups, timeouts, exit codes
   * 🌍 **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/**

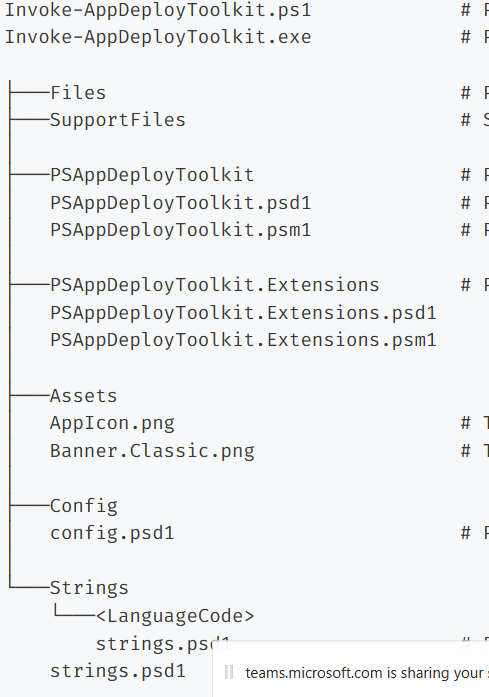
* **UI Branding Elements  
  → Logos, icons, banners  
  ✅ *Used in dialogs & popups during install***

**⚙️ 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**

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