

## Summary of Session (27-05-2025)

### What is PSAppDeployToolkit ?

It is a PowerShell-based framework that simplifies application deployment for enterprises. It provides a structured approach to scripting and deploying applications.

- PSADT is a PowerShell-based tool that helps IT teams **easily deploy applications** in a consistent and reliable way. It reduces the complexity of writing scripts and improves success rates in deployments.

### Key Features & Benefits

- **Easier Scripting:** Ready-to-use functions make deployment scripts simple.
- **Consistent user Experience/UI:** Gives users a smooth and standard experience during installation.
- **Higher Success Rates:** Reduces errors and increases reliability.
- **Open Source:** Free to use and improve by the community.

### Core Concept

- **ADTSession Object:** Stores info like user input and status during deployment.
- **Pre-defined Functions:** Handles tasks like checking requirements, closing open apps, and installing software silently.
- **Exit Codes:** Shows if deployment succeeded or failed.
- **Deployment Structure:** Keeps files and scripts tidy.
- **Deployment Modes:** Supports interactive (user-friendly), silent (no prompts), and non-interactive modes.

### PSADT Usage (Made Easy)

- **Deploy Apps:** Install MSI/setup files with checks and silent install options.
- **Write Scripts:** Automate tasks like creating folders or changing settings.
- **Use Functions:** Easily do tasks like checking requirements or closing apps.
- **Run Scripts:** Use PowerShell or **Deploy-Application.exe** to start deployment.
- **Use ADTSession:** Save and use info during deployment for better control.

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### What is AppDeployToolkitConfig.xml?

It's the settings file in PSAppDeployToolkit used to customize how your deployments behave and look.

## steps to Configure PSADT

### 1.Download & Extract

Get the PSADT zip file and extract it.

### 2.Find Config File

Go to: `Toolkit\AppDeployToolkit` folder and open `AppDeployToolkitConfig.xml`.

### 3.Edit the File

Customize settings as needed:

**Toolkit Options:** Admin rights, temp paths, logging.

**UI Options:** Messages, timeouts, exit codes.

**Logos/Banners:** Add your own icons and logos.

**MSI Options:** Set MSI log paths and install settings.

**Languages:** Change or add UI message languages.

### 4.Save & Apply

Save your changes. All scripts will now use these settings automatically.

## Why Use It?

- Centralized Configuration
  - Consistency
  - Customization
  - Simplified Scripting
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## PSADT Folder Structure

### Toolkit

→ Core files of PSADT (framework, functions, etc.)

### Examples

→ Sample deployments (e.g., Adobe Reader, MS Office)

### Files

→ Where you store the installation files for the application you're deploying (e.g., Chrome MSI)

### SupportFiles/ (optional)

→ Extra files like config files or helper scripts ,An optional folder to store files that support the deployment.

## **Deploy-Application.exe**

→ The executable file used to execute the deployment script.

## **Deploy-Application.ps1**

→ The main PowerShell script contains the logic for deploying the application

## **Strings**

→ Contains UI message files in various languages

## **Images**

→ Store logos/icons used in the deployment UI

## **Configuration/**

→ Contains config files (e.g., Deploy-Configuration.ps1)

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## **Template Script in ps app deploy toolkit**

The PowerShell Application Deployment Toolkit (PSAppDeployToolkit) provides template scripts for application deployment.

### **1. Understanding PSAppDeployToolkit and Templates:**

It is a PowerShell-based framework that simplifies application deployment for enterprises. It provides a set of pre-defined functions and user interface elements 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 used to install or uninstall applications.

Location C:\AdminStudio Shared\PowerShellTemplate

Open it using **Windows PowerShell ISE** to make changes as per need

The script works in two modes: **install** or **uninstall**.

The **install** process has three parts:

- Pre-Install** (things to do before installing)

- Install** (main installation steps)

- Post-Install** (steps after installation)

**AppDeployToolkitMain.ps1** script, it has a logic and functions for installing or uninstalling applications

### **3. Creating a New Deployment Using Templates:**

**PSAppDeployToolkit** gives ready-made **templates** to help quickly create new deployment setups.

For **older version (v3)** template:

```
New-ADTTemplate -Destination C:\Temp\MyAppDeployment -Name "MyOldAppDeployment"  
-Version 3
```

#### **4. Additional Resources**

#### **5. Customizing the Template Script:**

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