**PSAppDeployToolkit (PSADT) – Summary**

**PSAppDeployToolkit (PSADT)** is a **PowerShell-based framework** designed to simplify and standardize **application deployment** in enterprise environments.

**Key Components:**

* **Toolkit Structure:**
  + Deploy-Application.ps1: Main PowerShell script with deployment logic.
  + Deploy-Application.exe: Executable that runs the deployment script.
  + Files: Contains installer files (e.g., MSI, EXE).
  + SupportFiles: Optional folder for additional scripts/configs.
  + Images: Stores UI images like logos/icons.
  + Examples: Includes sample deployments (e.g., Adobe Reader).
  + Configuration: Contains main config file (Deploy-Application.psd1).

**Core Concepts:**

* **ADT Session Object**: Stores deployment details such as user info, status, and settings.
* **Predefined Functions**: Built-in functions handle tasks like prerequisite checks, app closure, and silent installs.
* **Exit Codes**: Standard codes indicate success/failure, aiding in error handling and monitoring.
* **Deployment Modes**: Supports interactive, silent, and non-interactive installs.
* **Folder Structure**: Organized layout for scripts and assets improves maintainability.

**Usage:**

* Deploy apps (MSI/EXE) with enhanced logic and automation.
* Customize deployment scripts for tasks like folder creation, registry edits, and configuration management.
* Execute via PowerShell or Deploy-Application.exe.

**Benefits:**

* Consistent and predictable deployments.
* Simplified scripting for IT admins.
* Better user experience during application installation.
* Ideal for business/corporate IT environments.