

The PowerShell App Deployment Toolkit (PSADT) is a framework for streamlining and standardizing application deployments in enterprise environments. It provides a collection of pre-built PowerShell functions and a structured approach to handle various aspects of application installation, uninstallation, and updates. PSADT simplifies the complexities of application packaging by offering a consistent and reliable deployment experience. [1, 2, 3]

Here's a more detailed overview:

#### Key Features and Benefits:

- **Standardized Deployment Process:** PSADT provides a consistent framework for deploying applications, making the process more reliable and easier to troubleshoot. [2, 2, 4, 4]
- **Pre- and Post-Installation Actions:** It allows for performing actions before and after the main installation process, such as closing specific applications or running custom scripts. [4, 4, 5, 5]
- **User Interaction:** PSADT can display user-friendly prompts during installation, allowing for tasks like closing in-use applications or providing options for deferring the installation. [5, 5, 6, 6]
- **Customizable:** It allows for customization of the user interface, including the banner, language support, and the addition of custom functions. [5, 5, 7, 7]
- **Open-Source:** PSADT is an open-source project, encouraging community contributions and allowing for transparency and flexibility. [2, 2]
- **Supports various installers:** PSADT can handle different types of installers, including MSI, EXE, and more complex setups with multiple components. [3, 3, 4, 5, 5, 8]
- **Integration with other tools:** PSADT can be used to deploy applications to various platforms, including Microsoft Endpoint Configuration Manager (MECM) and Microsoft Intune. [5, 5, 9]

#### How it Works:

1. **Packaging:** The application is packaged with the PSADT files, including the Deploy-Application.ps1 script, which is the core of the deployment process. [10]
2. **Customization:** The Deploy-Application.ps1 script is customized with the specific installation steps, pre- and post-installation actions, and user interface elements. [7, 10]
3. **Execution:** The deployment is initiated by running the Deploy-Application.exe or Deploy-Application.ps1 file. [10]
4. **Installation:** PSADT handles the installation process based on the instructions in the Deploy-Application.ps1 script, including any pre- or post-installation tasks and

**user interaction. [10]**

**In essence, PSADT provides a robust and flexible framework for IT professionals to package and deploy applications in a standardized and efficient manner, reducing the complexity and improving the success rate of application deployments. [2, 3, 4]**