

The PSAppDeployToolkit (PSADT) leverages PowerShell cmdlets and custom functions to perform file and folder operations during software deployments.

### 1. Copying Files and Folders:

- **Copy-ADTFile**: This function is designed to copy files during a PSADT deployment. It offers features like error handling and logging specific to the toolkit.

```
Copy-ADTFile -Path "$dirSupportFiles\YourFile.txt" -Destination  
"$envProgramFiles\YourApp"
```

- **Copy-ADTFileToUserProfiles**: This function is specifically for copying files to each user profile on a system, supporting options like recursion and using Robocopy for long paths.

```
Copy-ADTFileToUserProfiles -Path  
"$dirSupportFiles\UserSpecificFile.ini" -Destination  
"AppData\Roaming\YourApp"
```

- **Copy-Item**: The native PowerShell cmdlet can also be used for basic copy operations, especially when not needing the specific features of PSADT functions.

```
Copy-Item -Path "C:\Source\Folder" -Destination  
"C:\Destination\Folder" -Recurse
```

### 2. Deleting Files and Folders:

- **Remove-File**: This PSADT function is used to delete specific files.

```
Remove-File -Path "$envUserDesktop\OldShortcut.lnk"
```

- **Remove-Folder**: This PSADT function is used to delete entire folders.

```
Remove-Folder -Path "$envProgramFiles\OldApp"
```

- **Remove-Item**: The native PowerShell cmdlet can also be used to delete files or folders. Use the **-Force** parameter to remove read-only or hidden items.

```
Remove-Item -Path "C:\Temp\OldLog.log" -Force
```

### 3. Moving Files and Folders:

- **Move-Item:** This is the native PowerShell cmdlet for moving files and folders. PSADT does not provide a dedicated function for this, as Move-Item is generally sufficient.

```
Move-Item -Path "C:\Source\File.doc" -Destination  
"C:\Destination\Documents"
```

### Important Considerations:

- **Variables:** PSADT utilizes several predefined variables like \$dirSupportFiles, \$envProgramFiles, \$envUserDesktop, and \$envUserProfile to simplify path management.
- **Logging:** PSADT functions integrate with the toolkit's logging system, providing detailed information about file operations in the deployment log.
- **Error Handling:** PSADT functions often include built-in error handling, and you can further customize behavior using parameters like -ContinueOnError.