# Summary: MSIX Troubleshooting Tools and Techniques

The **MSIX Troubleshooter** from Advanced Installer is widely used for diagnosing and fixing MSIX installation issues. It automatically analyzes logs, filters relevant event logs, and offers built-in fixes. The **MSIX Packaging** Tool's Package Analyzer helps detect and suggest fixes for runtime issues, supporting both GUI and command-line interfaces.

Event Viewer allows manual review of logs, especially under AppXDeployment-Server, to identify error codes., **PowerShell** for log access
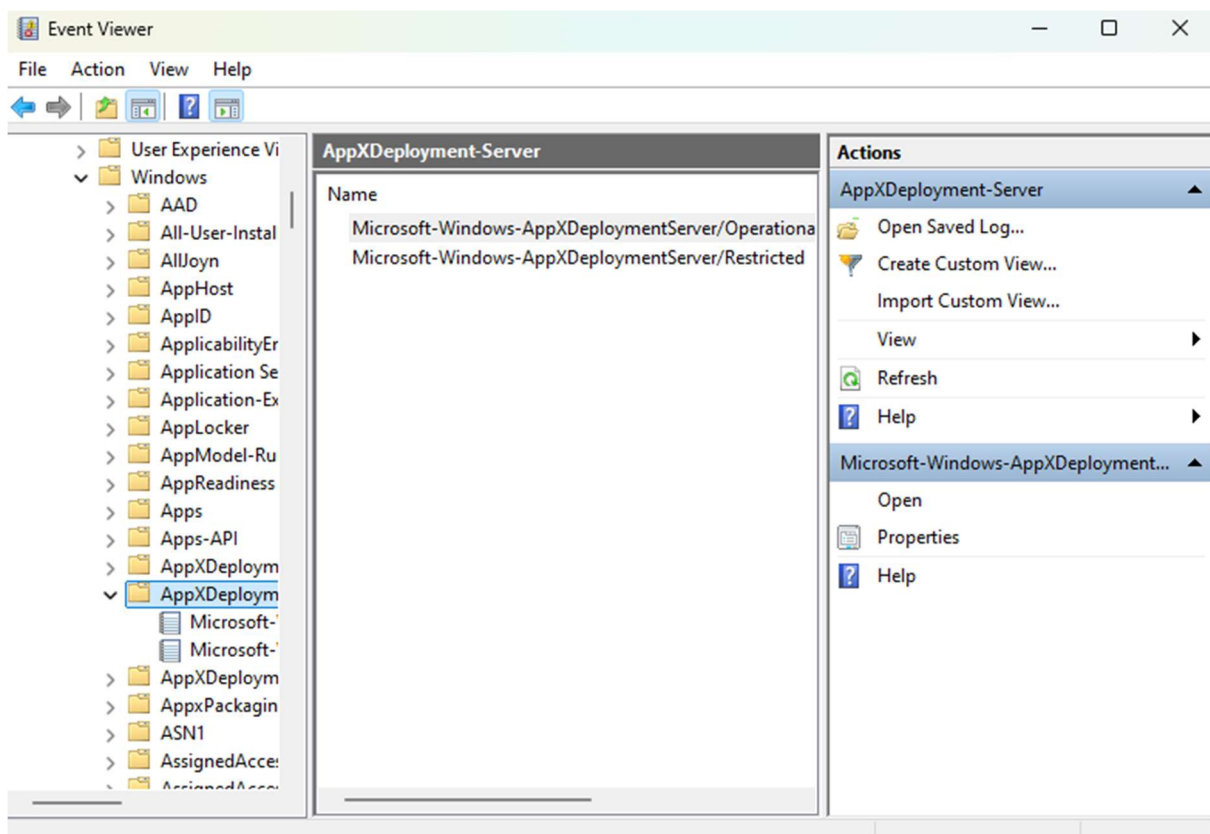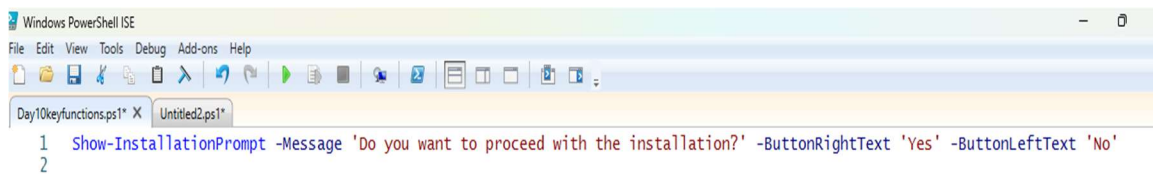

Troubleshooting Key Steps:

1. Identify the issue using logs or tools.
2. Analyze error codes and messages.
3. Apply suggested or automatic fixes.
4. Re-package and redeploy if needed.

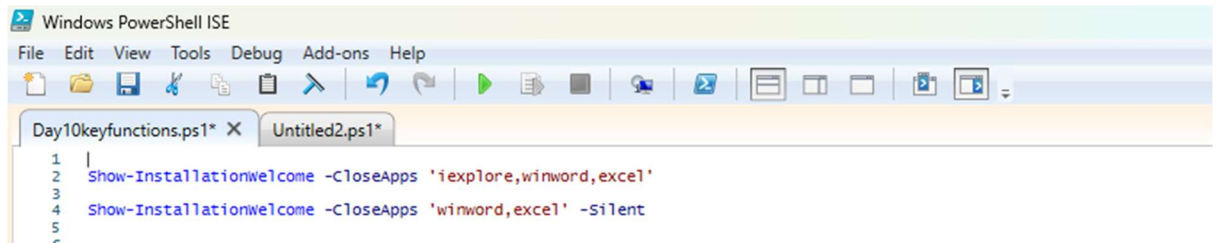# PSADT Key Functions

1. Show-InstallationPrompt

Displays a custom installation prompt. Combination of Left, Middle or Right buttons can be displayed. The return value of the button clicked by the user is the button text specified.

2. Show-InstallationWelcome
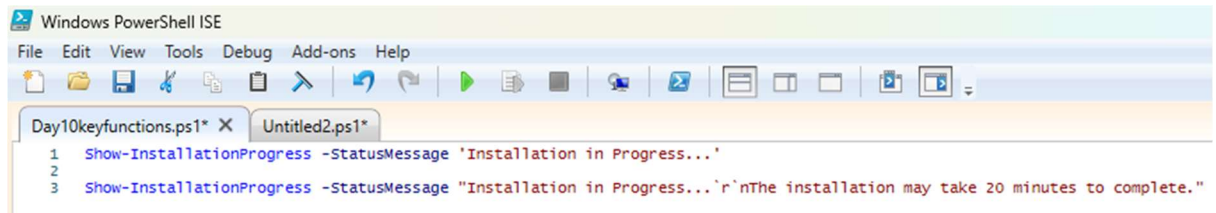
Show a welcome dialog prompting the user with information about installation and action to be performed

3. Show-InstallationProgress
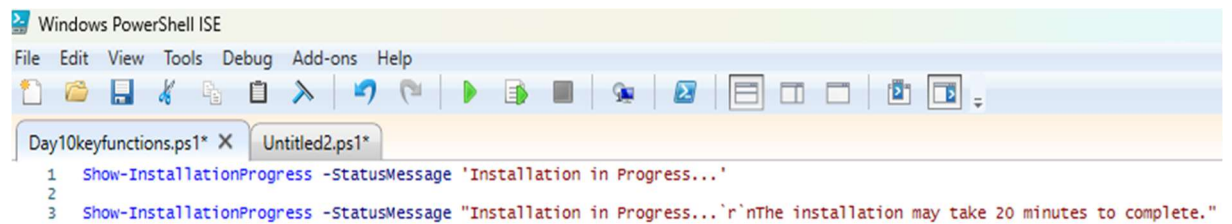
Displays a progress dialog in a separate thread with an updateable custom message.

4. Show-DialogBox
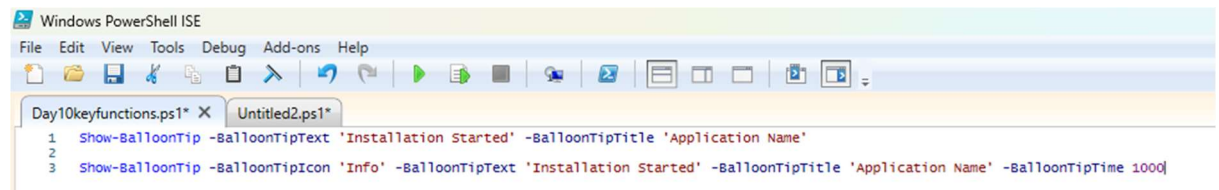
Display a custom dialog box with optional title, buttons, icon and timeout.

```
Windows PowerShell ISE
File  Edit  View  Tools  Debug  Add-ons  Help

Day10keyfunctions.ps1* X    Untitled2.ps1*
  1    Show-InstallationProgress -StatusMessage 'Installation in Progress...'
  2
  3    Show-InstallationProgress -StatusMessage "Installation in Progress...`r`nThe installation may take 20 minutes to complete."
```

5. Show-BalloonTip

Displays a balloon tip notification in the system tray

```
Windows PowerShell ISE
File  Edit  View  Tools  Debug  Add-ons  Help

Day10keyfunctions.ps1* X    Untitled2.ps1*
  1    Show-BalloonTip -BalloonTipText 'Installation Started' -BalloonTipTitle 'Application Name'
  2
  3    Show-BalloonTip -BalloonTipIcon 'Info' -BalloonTipText 'Installation Started' -BalloonTipTitle 'Application Name' -BalloonTipTime 1000
```