

The MSIX Troubleshooter from Advanced Installer is a highly used tool for diagnosing issues during MSIX package installation. It analyzes logs, filters relevant information, and even provides fixes for some problems. Additionally, the MSIX Packaging Tool with its Package Analyzer can be used to identify issues and suggest remediations. [1, 2, 3, 4, 5]

Here's a more detailed breakdown of tools and techniques:

### 1. MSIX Troubleshooter:

- **Automatic Log Analysis:** The MSIX Troubleshooter automatically investigates logs generated during the installation process, helping to pinpoint the cause of errors.
- **Smart Event Log Filtering:** It filters out irrelevant events and highlights the most relevant ones related to MSIX installation issues.
- **Issue Diagnosis Report:** Provides a structured report that helps identify and resolve common installation problems.
- **Built-in Fixes:** Some issues can be automatically corrected by the tool, making it easier to resolve problems during installation. [1, 6]

### 2. MSIX Packaging Tool with Package Analyzer:

- **Package Analysis:** The Package Analyzer feature in the MSIX Packaging Tool allows you to analyze your MSIX package and identify potential issues. [5, 5]
- **Runtime Issue Detection:** The tool examines the package and suggests remediation to fix runtime problems. [5, 5]
- **GUI and Command Line Support:** The MSIX Packaging Tool offers both a GUI and command-line interface for various operations, including packaging, analysis, and signing. [1, 2, 4, 5, 7]

### 3. Event Viewer:

- **Log Review:** You can use Event Viewer to manually review logs related to MSIX installation.
- **Specific Logs:** Look for logs in Applications and Services Logs > Microsoft > Windows > AppXDeployment-Server.
- **Error Code Analysis:** Check for error codes and messages in the logs to understand the nature of the problem. [8, 9]

#### 4. Other Tools and Techniques:

- **dumpbin.exe /headers:** Used to examine file headers and identify potential issues with corrupted certificates, according to Learn Microsoft. [10, 10]
- **PowerShell:** Can be used to access and analyze interaction logs for AppInstaller. [9, 9]
- **MSIXMGR tool:** Used for managing MSIX packages, especially in the context of Azure Virtual Desktop. [2, 11, 11, 12]

#### 5. Troubleshooting Steps:

1. **Identify the Issue:** Use the MSIX Troubleshooter or Event Viewer to understand what's causing the problem. [1, 1, 8, 8]
2. **Analyze the Logs:** Examine the logs to pinpoint the specific error code or message. [8, 8, 9, 9]
3. **Apply Fixes:** Use the MSIX Troubleshooter's built-in fixes or other techniques to address the issue. [1, 1, 10, 10]
4. **Re-package and Deploy:** If necessary, re-package the application and deploy the fixed MSIX package. [5, 13, 14]