**ACT (Application Compatibility Toolkit) Issues**

1. **Application Crashes or Doesn’t Run**
   * Old apps fail on new Windows due to deprecated APIs, drivers, or system changes.
   * Example: An app built for Windows 7 may not start on Windows 11.
2. **Shim Problems**
   * Shims are small compatibility fixes.
   * Wrong shim chosen → app still breaks.
   * Too many shims applied → unexpected side effects.
3. **Deployment Issues**
   * Fixes (shims) created in Compatibility Administrator must be deployed via **MSI, Group Policy, or SCCM**.
   * Problems: fix not applied, permissions denied, GPO not updating.
4. **Data Collection & Reporting Issues**
   * ACT uses **Inventory Collector** and logs.
   * Common problems:
     + Agents not reporting back
     + Incomplete compatibility reports
     + Data mismatch across systems
5. **Environment Differences**
   * App works in **test lab** but fails in **production**.
   * Causes:
     + Different Windows builds
     + Missing patches
     + Different user permissions or system policies
6. **Tool & Permission Issues**
   * ACT tools (Compatibility Administrator, Standard User Analyzer, etc.) often require **Administrator rights**.
   * Without admin rights → errors while creating or applying fixes.

**How to Fix ACT Issues**

* Always run ACT tools as **Administrator**.
* Apply the **right shim** after testing carefully.
* Deploy fixes with **MSI or GPO** and validate on clients.
* Keep **test and production environments consistent**.
* Collect logs properly → check **Event Viewer, ProcMon, Dependency Walker** for troubleshooting.
* Retest apps after **Windows updates** because updates can break compatibility again.

**In short :**  
Most ACT issues come from **wrong shim usage, deployment failures, missing logs, or differences between test and real environments**.