- ***User Context:***

Definition: Runs under the currently logged-in users credentials and within their user profile.

User Context: Limited access to the user's profile.

- ***System Context:***

Definition: Runs with elevated privileges, often as the SYSTEM user, with full system-wide access.

Access: Has access to all files and system resources, including those outside the user's profile.

System Context: Full system-wide access.

- ***Admin Context***

Definition: Although not a distinct context like User or System, many MSI installations that require system-wide changes might require Admin privileges.

Admin Context : Requires Admin privileges for system-wide changes.

Best for: Installations that modify system files.

1) **Leverage Active Setup in MSI Packages**
   Active Setup allows you to run specific actions during the user's logon process.
2) **Create and Assign Logon Scripts.**
   Script Content: These scripts can be batch files, PowerShell scripts, or even other scripting languages like VBScript.
3) **Consider Deployment Strategies:**

- **Group Policy**
- **Software Distribution**
- **Scripting Languages**

4) **Best Practices:**

- Handle errors.
- Keep scripts secure.
- Test everything.
- Document your setup.

Windows 11:

Modern Look: New Start Menu, Taskbar, and rounded corners.

Better Security: Uses TPM 2.0 and Windows Hello.

Faster Performance: Quick logins and better speed.

Improved Store: Supports Android apps.

Better Multitasking: Snap Layouts and Snap Groups.

AI Assistant: Includes Windows Copilot.

Great for Gaming: Supports latest graphics tech.

Smaller Updates: Quicker and less downtime.

Windows 10:

Familiar UI: Easy for long-time users.

High Compatibility: Works with many old apps and hardware.

Stable: Known for reliability.

Cost-Effective: May be cheaper for some upgrades.

App Pack Tips:

Most apps work on both Windows 10 & 11.

Windows 11 runs faster but older apps might run slower.

Windows 11 is more secure.

New features in 11 help with multitasking and productivity.

Conclusion: Windows 11 is more modern, secure, and feature-rich. But choose based on your needs and what works best for your apps.

Sysinternals

1. **Autologon**
   → Auto login setup for Windows.
   → Great for test systems.
2. **Process Explorer**
   → Shows detailed process info.
   → Helps find issues or malware.
3. **PsExec**
   → Run commands on remote PCs.
   → Useful for remote admin tasks.
4. **PSTools**
   → Toolkit for admin tasks.
   → Includes PsList, PsFile, etc.
5. **RegMon**
   → Tracks registry changes live.
   → Good for registry debugging.

Active Setup

- **Purpose:** Runs user-specific setup during login.
- **How it works:** Compares **HKLM Version** vs **HKCU Version**.
- If **HKLM > HKCU**, it runs the command in **StubPath**.

Points:

HKLM = Global settings (Version, StubPath).

HKCU = User-specific setup record.

Version bump in HKLM = Forces Active Setup to run again.