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**ASSIGNMENT 1**

**1. Application Packaging**

During the session, I was introduced to Application Packaging, which was new to me but turned out to be quite interesting. I learned that it’s the process of bundling software in a way that can be installed easily and consistently across many systems.

The trainer discussed the full lifecycle of application packaging starting from discovery, where we gather all the requirements and validate installer sources, followed by the actual packaging process, where configurations are applied. After packaging, we learned about the importance of User Acceptance Testing (UAT), which allows real users to test the software in real-world conditions. Sometimes, a Quality Assurance (QA) review is also done to ensure the package meets compliance and standards.

**2. Windows 10 vs Windows 11**

We were also shown how application packaging differs between Windows 10 and Windows 11. Windows 11 offers better security, performance, and UI updates, while Windows 10 has more compatibility, especially with older systems. I understood that as packagers, we need to consider which OS version we are targeting so that we avoid issues during deployment.

**3. User, System, Admin Context in MSI**

Another core topic was about **Windows Installer (MSI) Contexts** – we learned that apps can be installed in **User**, **System**, or **Admin** context, and each has its own access level and use cases. For example, a system context allows full access across all users, while user context is limited to individual profiles:

* **User context**: for the current user only
* **System context**: for all users, with full access
* **Admin context**: gives elevated privileges

Understanding the right context is essential to make sure apps behave correctly and securely in the enterprise.

**4. Logon Scripts & Active Setup**

The session also covered logon scripts and Active Setup, which are used to run user-specific commands when someone logs in. This is especially useful to copy settings, update registry, or run commands automatically for each user.

I learned some best practices around error handling, security, and documentation for packaging and scripting.

I'm looking forward to learning more in the upcoming sessions.