## Practice Activity

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## Summary

## Device Drivers Handling in MSI

* Learned how files like .inf, .sys, and .cat are used during installation.
* These are important for applications needing hardware support.
* Checked log files like setupapi.dev.log to confirm driver installation.

## User, Admin, and System Context

* User Context: changes only affect current user.
* Admin Context: requires elevated permissions for system changes.
* System Context: full access, used in enterprise deployments.

## Windows 10 vs Windows 11 for Packaging

* Windows 11 offers better security and UI (Snap Layouts, TPM 2.0).
* Windows 10 is more stable and widely used.
* Important to test packaging separately on both OS.

## Scheduled Tasks in MSI

* MSI can create tasks to run scripts at login or specific times.
* Useful for automating tasks like cleanup or updates.

## Active Setup and Logon Scripts

* Active Setup runs once per user at login to apply settings.
* Logon Scripts copy files or update user-specific settings.

## Application Packaging Process

* Discovery: collect app info and requirements.
* Packaging: build MSI, MSIX, or App-V.
* UAT: test the app in a clean environment.
* Deployment: use SCCM/Intune to install to user devices.

## Application Deployment Models

* Application Model: used for full apps, supports detection and dependencies.
* Package Model: better for scripts or small tools.

# Application Packaging – Benefits

* It helps install the same software in the same way on all computers.
* Makes the software installation process fast and automatic.
* Reduces the number of problems users face, so less help is needed.
* Gives users a smooth experience because apps are pre-configured.
* Keeps systems safe by controlling what gets installed.
* Makes it easier to update apps in the future.
* Helps in checking if the app works properly on different versions of Windows.
* If something goes wrong, it’s easy to remove or fix the app.
* Helps the company know which apps are installed where.
* Works well with tools like SCCM and Intune that companies use for deployments.