

# Fundamentals of Windows Installer (MSI) Custom Actions

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## Background and Terminology:

- ▶ MSI Package Structure
- ▶ MSI Database Contents
- ▶ Properties and Conditions
- ▶ Running an Installation

## Sequences and Standard Actions:

- ▶ Top-Level Sequences
- ▶ Subsequences
- ▶ Standard Actions
- ▶ Examples of Standard Actions

## Scheduling Actions:

- ▶ User Interface vs. Execute Sequence
- ▶ Immediate and Deferred Execution
- ▶ Rollback and Commit Actions
- ▶ Handling Uninstallation
- ▶ Feature and Component Conditions
- ▶ Detecting Upgrades

## Types of Custom Actions:

- ▶ Types of Actions
- ▶ Executable Custom Actions
- ▶ DLL and Script Actions
- ▶ Setting Properties
- ▶ Error Custom Actions
- ▶ Nested Installation Custom Actions

## Additional Topics:

- ▶ Additional Standard Actions
- ▶ System Searches
- ▶ Setting Permissions
- ▶ Elevated Privileges
- ▶ Debugging and Logging