

## InstallShield 12, MSI Course

This course teaches you how to create Basic MSI projects-which use the Windows Installer service (MSI) for the installation's behavior and appearance.

### Course Prerequisites

Previous InstallShield experience is not required; however, you should be comfortable with the following:

- Using Windows Explorer and the command prompt to create / manage files and run executables
- Basic Windows terminology (e.g. DLL, Control Panel, etc.)
- Later sections of the course assume familiarity with one of the following programming or scripting languages: (e.g. VBScript, Visual Basic and / or C/C++)

### Course Delivery

#### Day1

##### Introduction

- About the Windows Installer service
- About Windows Installer installation packages
- About the Windows Installer installation mechanism
- About the InstallShield environment
- Getting help

##### About Projects

- Installation terminology
- Using the Project Assistant
- Using the Installation Designer
- Working with features and components
- Global product and project data

##### Installing Files

- Static file linking
- Dynamic file linking
- Working with destination folders
- Best Practice Fundamentals
- "Key" Resource Usage
- GUID Usage
- Creating shortcuts
- Using merge modules and prerequisites

##### Building Releases

- Using the Release Wizard
- Media types
- Web installations
- Command-line builds
- Using the Automation interface
- Using the Standalone build system

Day2

Deploying an Installation

- Running an installation
- Maintenance and uninstallation
- Using msixec.exe
- Silent and reduced-UI installations
- Passing properties from the command line
- MSI Log Analyzer

Non-File System Changes

- Registry data
- INI files
- XML files
- Environment variables
- File associations

Installing Special Files

- COM servers
- Windows services
- Fonts
- .NET Assemblies
- Creating merge modules
- Creating Configurable Merge Modules
- Working with Repositories
- Running SQL Scripts

Conditions and Actions

- MSI Properties
- Condition syntax and examples
- Installation sequences
- Custom actions: action types and guidelines
- Editing MSI tables directly

Day3

User Interface

- Working with control events
- Working with control conditions
- MSI Debugger
- Creating new dialog boxes
- Subscription to Actions
- Required dialog boxes
- Localization

Updates and Patches

- Types of updates

- Creating minor upgrades
- Creating major upgrades
- QuickPatch projects
- General patch projects
- Uninstalling a patch

**Additional Topics**

- How to create transforms
- Direct MSI editing
- Using MSI Automation to modify a project
- Using Trialware functionality to create a "Try and Buy" version of your application