

Learning MSI Projects with InstallShield

This 4-day course will provide you with a solid understanding of installation and MSI terminology, the typical tasks an installation program needs to perform, and the InstallShield development environment and associated tools. You will learn how to customize your installation with custom actions, to make any required changes to your end users' systems. Furthermore, you'll see how to correctly identify, install, and configure special types of files, such as COM servers, Windows services, and .NET assemblies. Finally, you will receive a thorough understanding of how to perform simple to sophisticated changes to your installation user interface.

Who Should Attend

Application developers or anyone responsible for creating installations for internally developed applications

Learn How To

- Create and organize an installation project
- Install files and shortcuts
- Install and configure special types of files and data, such as registry and INI data, COM servers, Windows services, and .NET assemblies
- Work with MSI sequences and custom actions
- Modify your installer's user interface
- Use the Automation interface to modify your project outside the graphical environment

Prerequisites

Previous InstallShield experience is not required. However, you should be comfortable with the following: Using Windows Explorer and the command prompt to create and manage files, and run executables. Basic Windows terminology, such as DLL, Control Panel, and so forth.

Later sections of the course assume familiarity with one of the following programming or scripting languages: VBScript, Visual Basic, C/C++.

Leave Class With:

- Knowledge about the InstallShield MSI product
- Skills to use MSI with InstallShield
- InstallShield MSI course syllabus

About the trainer:

The instructor enjoys an extensive InstallShield MSI / Windows Installer programming background and is an InstallShield Certified Trainer.

Your investment:

€2.249,00 per student including licensed course material, daily lunch&refreshments. Not including VAT.

Registration:

By fax or online on www.pds-site.com/training/

Schedule:

pls contact PDS / check www.pds-site.com/training/default.htm

Detailed course contents:

Day 1 (Tuesday)	Day 1 (Tuesday)
<p>Introduction: You'll begin by learning about the background and motivation for using the Windows Installer service, and how InstallShield fits in to the installation-development process. You'll also learn about the resources available as you work with InstallShield.</p> <ul style="list-style-type: none">• About the Windows Installer service• About InstallShield• Getting help <p>About Projects: The foundation of your installation program is an InstallShield project. In this section, you'll learn about general installation terminology and design issues, and how to create a project that reflects the design of your product.</p> <ul style="list-style-type: none">• Installation terminology• Using the Project Assistant• Using the IDE• Working with features and components• Global product and project data	<p>Installing Files: The primary job of your installation program is to transfer files to the user's system. In this section, you'll learn about the different methods for adding files and folders to your installation project.</p> <ul style="list-style-type: none">• Static file linking• Dynamic file linking• Working with destination folders• Creating shortcuts• Using merge modules

Day 2 (Wednesday)	
<p>Building Releases: Before you can test your installation, you must build a set of disk images. In this section, you'll learn how to use the InstallShield graphical tools and command-line tools for building release images for CD-ROM, a network location, or for the web.</p> <ul style="list-style-type: none"> • Using the Release Wizard • Media types • Web installations • Command-line builds • Using the Automation interface • Using the Standalone build system <p>Deploying an Installation: Windows Installer-based installations support several different installation modes. In this chapter, you will learn how to run an installation from Windows Explorer or from the command prompt, how to perform silent and limited-user interface installations, and how to pass information to the running installation from the command line.</p> <ul style="list-style-type: none"> • Running an installation • Maintenance and uninstallation • Using msixec.exe • Silent and reduced-UI installations • Passing properties from the command line 	<p>Installing Files: The primary job of your installation program is to transfer files to the user's system. In this section, you'll learn about the different methods for adding files and folders to your installation project.</p> <p>Building Releases: Before you can test your installation, you must build a set of disk images. In this section, you'll learn how to use the InstallShield graphical tools and command-line tools for building release images for CD-ROM, a network location, or for the web.</p> <ul style="list-style-type: none"> • Using the Release Wizard • Media types • Web installations • Command-line builds • Using the Automation interface • Using the Standalone build system • Running an installation • Maintenance and uninstallation • Using msixec.exe • Silent and reduced-UI installations • Passing properties from the command line <p>Deploying an Installation: Windows Installer-based installations support several different installation modes. In this chapter, you will learn how to run an installation from Windows Explorer or from the command prompt, how to perform silent and limited-user interface installations, and how to pass information to the running installation from the command line.</p>



Day 3 (Thursday)	Day 4 (Friday)
<p>Non-File System Changes: In addition to installing files, most installation programs need to make global changes to the user's operating system. In this section, you'll learn how to install configuration data, such as:</p> <ul style="list-style-type: none">• Registry data• INI files• Environment variables• File associations <p>Installing Special Files: For most types of files, the installer's only responsibility is to transfer the files. Some types of files, however, require additional registration or configuration information to be written to the target system. In this section, you'll learn how to install and configure the following types of files:</p> <ul style="list-style-type: none">• COM servers• Windows services• Fonts• NET Assemblies• Creating merge modules• Creating Configurable Merge Modules• Condition syntax and examples• Installation sequences• Custom actions: action types and guidelines• Editing MSI tables directly• How MSI determines dialog order and conditions• Working with control events• Working with control conditions• Creating new dialog boxes	<p>Conditions and Actions: Unlike traditional installations, Windows Installer installations do not use an explicit script, but instead perform actions arranged into your product's sequence tables. In this section, you will learn about: User Interface: Like "standard" Windows Installer actions, your installation's user interface is controlled by MSI tables and actions. In this section, you will learn:</p> <ul style="list-style-type: none">• Subscription• Required Dialog Boxes• Localization• Types of updates• Creating minor upgrades• Creating major upgrades• QuickPatch(tm) projects• General patch projects• How to create transforms• Direct MSI editing• Using MSI Automation to modify a project