



InstallShield 2012 Express Edition

Release Notes

August 2011

Introduction

InstallShield is the industry standard for authoring high-quality Windows Installer–based installations. InstallShield 2012 Express Edition offers new features and enhancements that make it easy to use the latest technologies, improve the quality and reliability of your products, and increase your productivity.

InstallShield 2012 Express Edition includes several new InstallShield prerequisites and predefined system searches that offer support for the latest technologies. This new version also has support for building ISO/IEC 19770-2 software identification tags and including them in installations. This functionality gives your enterprise customers better information for software asset management and license optimization initiatives.

For the latest information about InstallShield 2012 Express Edition, including updates to these release notes, see Knowledge Base article [Q211164](#).

New Features

New InstallShield Prerequisites for Internet Explorer 9, SQL Server 2008 R2 Native Client, Windows Identity Foundation, and Other Redistributables

InstallShield includes several new InstallShield prerequisites that you can add to projects:

- Internet Explorer 9
- Microsoft SQL Server 2008 R2 Native Client 10.50.1600.1
- Windows Identity Foundation
- Microsoft VSTO 2010 Runtime (x64)
- Microsoft Office 2010 PIA (This prerequisite installs the Microsoft Office 2010 Primary Interop Assemblies. To use this prerequisite, download the PrimaryInteropAssembly.exe file from Microsoft's Web site and run it to extract the .msi file.)

This feature resolves the following issues: IOA-000056889, IOA-000058423, IOA-000056974, IOA-000060652, IOA-000061523, IOA-000062254.

Improvements for COM Extraction

InstallShield supports a new monitoring method for COM extraction. If you are using InstallShield on a Windows Vista or later system, this new method is used by default. The method uses a kernel driver to monitor the areas of the registry that are modified during dynamic COM extraction at build time and static COM extraction at design time. It combines the advantages that the earlier methods provided, allowing the DLL to read existing registries entries and preventing changes to the build machine.

If necessary, you can switch between the three different COM extraction methods by setting the value data of the UseAPIRegistryHooks registry value, which is in the registry key HKEY_LOCAL_MACHINE\SOFTWARE\InstallShield\RegSpy (on 32-bit machines) or HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\InstallShield\RegSpy (on 64-bit machines). Possible REG_DWORD value data are:

- **0**—Use API hooking to read existing registry entries for the DLL.
- **1**—Use registry redirection to prevent making changes to the registered DLLs on the build machine. If the value is not set, this is the default behavior on Windows XP and Windows Server 2003 systems.
- **2**—Use the new kernel mode monitoring, which combines the advantages of both of the other methods. If the value is not set, this is the default behavior on Windows Vista and later systems.

Predefined System Searches for Adobe Reader 10, Internet Explorer 9, and Microsoft Office

InstallShield has new predefined system searches:

- Adobe Reader 10
- Internet Explorer 9
- Microsoft Office 2010
- Microsoft Office 2007
- Microsoft Office 2003

If your installation requires one or more of these, you can use the Requirements view or the Installation Requirements page in the Project Assistant to add these system searches to your project. When end users launch your installation, Windows Installer checks the target system to see if the requirements are met; if they are not met, the installation displays the error message that is defined for the system search.

This feature resolves the following issues: IOA-000055355, IOA-000062254, IOA-000062255.

Support for Software Identification Tagging

ISO/IEC 19770-2 is an international standard for the creation of software identification tags. A software identification tag is an XML-based file that contains descriptive information about the software, such as the product name, product edition, product version, and publisher. Software asset management tools collect the data in the tags to provide accurate application identification for software that is installed in an enterprise.

Software identification tagging is evolving as an industry standard, enabling independent software vendors to create smarter applications that give their customers better information for software asset management and license optimization initiatives. Including the identification tag in your product's installation makes it possible for your customers to use tools that can monitor their internal usage of your product, allowing them to manage and optimize the number of licenses of your product that they obtain from you, and stay in compliance with your licensing policies.

InstallShield includes several new settings in the General Information view that let you specify information that is required to create an identification tag for your product. This view also contains a new Use Software Identification Tag setting that lets you specify whether you want InstallShield to create the tag at build time and include it in your installation; the default value of this setting is Yes.

Note that if Yes is selected for the Use Software Identification Tag setting but you have not entered values in one or more of the required identification settings (the Unique ID, Tag Creator, and Tag Creator ID settings in the General Information view), build warning -7235 occurs, once for each of the settings that are blank. This build warning explains that the software identification tag could not be created and included in the installation because a

specific required setting was left blank. To resolve this warning, enter appropriate value in each specific setting, or select No for the Use Software Identification Tag setting.

This feature applies to Express projects.

Important Information

Evaluating InstallShield

If you have not purchased a license for InstallShield, you can install it and use it for a limited number of days without activating it. When you use InstallShield before activating it, it operates in evaluation mode, and some of its functionality is not available. For details, see KB article [Q200900](#). Note that when you activate InstallShield, the evaluation limitations are removed.

Obtaining the Installations for InstallShield, InstallShield Add-Ons, and the Redistributable Files

You can obtain the installation of InstallShield through either of the following methods:

- If you have the InstallShield DVD, the installation is on the DVD and you can find it using the DVD Browser.
- The InstallShield and installation is available for download as documented in the [InstallShield download and licensing instructions](#).

Additional installations—such as the redistributable files for the InstallShield prerequisites that are included in InstallShield and the .NET language pack prerequisite files (.prq)—are also included on the DVD and available for download from the same location as InstallShield. If you purchase the Standalone Build, its installation is available for download along with InstallShield

Installing More than One Edition of InstallShield

Only one edition of InstallShield 2012—Premier, Professional, or Express—can be installed on a system at a time. In addition, the InstallShield 2012 DIM Editor cannot be installed on the same machine with any edition of InstallShield 2012.

Installing More than One Version of InstallShield

InstallShield 2012 can coexist on the same machine with other versions of InstallShield.

Integrating InstallShield with Visual Studio

Microsoft Visual Studio can be integrated with only one version of InstallShield at a time. The last version of InstallShield that is installed or repaired on a system is the one that is used for Visual Studio integration.

Project Upgrade Alerts

The following information describes possible upgrade issues that may occur when you upgrade projects that were created with InstallShield 2011 Express Edition and earlier to InstallShield 2012 Express Edition. It also alerts you to possible changes in behavior that you may notice between new InstallShield 2012 Express Edition projects and projects that are upgraded from InstallShield 2011 Express Edition or earlier to InstallShield 2012 Express Edition. For updates to this information, see Knowledge Base article [Q211166](#).

General Information about Upgrading Projects that Were Created in Earlier Versions of InstallShield

If you use InstallShield 2012 Express Edition to open a project that was created with an earlier version, InstallShield 2012 Express Edition displays a message box that asks you if you want to convert the project to the new version. If you reply that you do want to convert it, InstallShield creates a backup copy of the project with a file extension such as .771 before converting it. Delete the .771 part from the original project's file name if you want to reopen the project in the earlier version of InstallShield. Note that you cannot open InstallShield 2012 Express Edition projects in earlier versions of InstallShield.

You can upgrade projects that were created with the following versions of InstallShield Express Edition to InstallShield 2012 Express Edition: InstallShield 2011 Express Edition and earlier, InstallShield 12 Express Edition and earlier, and InstallShield Express 5 and earlier. Note that projects that were created with InstallShield MultiPlatform or InstallShield Universal cannot be upgraded to InstallShield 2012 Express Edition.

Build Warning -7235 for Express Projects

By default, software identification tagging is enabled in all Express projects. This applies to new projects that you create in InstallShield 2012 Express Edition, as well as projects that you have upgraded from earlier versions of InstallShield to InstallShield 2012 Express Edition.

If you build a release in an Express project without entering data in the required identification tag settings (the Unique ID, Tag Creator, and Tag Creator ID settings in the General Information view), and you leave tagging enabled in the project, build warning -7235 occurs. This build warning explains that the software identification tag could not be created and included in the installation because a specific required setting was left blank. To resolve this warning, enter an appropriate value in each specific setting, or select No for the Use Software Identification Tag setting in the General Information view.

COM Extraction Changes

InstallShield supports a new monitoring method for COM extraction. If you are using InstallShield on a Windows Vista or later system or a Windows Server 2008 or later system, this new method is used by default. The method uses a kernel driver to monitor the areas of the registry that are modified during dynamic COM extraction at build time and static COM extraction at design time. It combines the advantages that the earlier methods provided, allowing the DLL to read existing registries entries and preventing changes to the build machine.

If necessary, you can switch between the three different COM extraction methods by setting the value data of the UseAPIRegistryHooks registry value, which is in the registry key HKEY_LOCAL_MACHINE\SOFTWARE\InstallShield\RegSpy (on 32-bit machines) or HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\InstallShield\RegSpy (on 64-bit machines). Possible REG_DWORD value data are:

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- **2**—Use the new kernel mode monitoring, which combines the advantages of both of the other methods. If the value is not set, this is the default behavior on Windows Vista and later systems and on Windows Server 2008 and later systems.

This functionality applies to Express projects.

Trialware Support

The only edition of InstallShield that includes the Trialware view is the Premier edition. This edition lets you create the Try and Die type of trialware. InstallShield no longer includes support for creating the Try and Buy/Product Activation type of trialware.

If you have an existing InstallShield Activation Service account and you want to be able to create the Try and Buy/Product Activation type of trialware in InstallShield 2012, you can still do so. For instructions, see Knowledge Base article [Q200884](#).

Resolved Issues

IOA-000060526

Microsoft SQL Server 2008 Express SP1 requires Windows Installer 4.5 and .NET Framework 3.5 SP1. Therefore, the InstallShield prerequisite (Microsoft SQL Server 2008 Express SP1 (x86 & x64Wow)) that installs this technology onto 32-bit and 64-bit (Wow) systems has been modified to have dependencies for Windows Installer 4.5 and .NET Framework 3.5 SP1.

IOA-000063073

The InstallShield prerequisites that install the Microsoft Visual C++ 2008 Service Pack 1 have been updated to include Microsoft's ATL security updates. The InstallShield prerequisites that install the Microsoft Visual C++ 2010, Visual C++ 2008 Service Pack 1, and Visual C++ 2005 Service Pack 1 redistributables have been updated to include Microsoft's MFC security updates.

IOB-000059978

If you create a QuickPatch package for a product whose base installation was installed with elevated privileges on a target system with Windows Vista or later, elevated privileges are no longer required to apply the QuickPatch to the target system.

IOC-000086189

The predefined system search for .NET Framework 3.5 SP1 searches for the presence of .NET Framework 3.5 SP1 on target systems. If it is not present, the installation displays a message stating that this version needs to be present for the installation to continue. Previously, the error message stated that .NET Framework 3.5 SP1 or greater needed to be present, but the condition checked for only the specific version.

System Requirements

This section contains the minimum requirements for systems that run InstallShield (the authoring environment), as well as for target systems that run the installations created with InstallShield (the run-time environment).

For Systems Running InstallShield

Processor

Pentium III-class PC (500 MHz or higher recommended)

RAM

256 MB of RAM (512 MB preferred)

Hard Disk

500 MB free space

Display

Designed for XGA resolution at 1024 × 768 or higher

Operating System

Windows XP
Windows Server 2003
Windows Vista
Windows Server 2008
Windows 7
Windows Server 2008 R2

Browser

Microsoft Internet Explorer 6

Privileges

Administrative privileges on the system

Mouse

Microsoft IntelliMouse or other compatible pointing device

For Target Systems (Desktop Computers)

Target systems must meet the following minimum operating system requirement:

Windows 2000
Windows XP
Windows Server 2003
Windows Vista
Windows Server 2008
Windows 7
Windows Server 2008 R2

For Target Systems (Mobile Devices)

InstallShield includes support for adding mobile device installations to desktop installations that use Microsoft Windows Mobile Device Center or Microsoft ActiveSync to transfer files to a mobile device.

InstallShield also includes support for straight-to-device installations that do not use Windows Mobile Device Center, ActiveSync, or any other desktop component.

For an overview of the different options that InstallShield supports, see "Creating Installations for Mobile Devices" in the InstallShield Help Library.

Windows Mobile Device Requirements

InstallShield supports many Windows Mobile platforms and processors. The Windows Mobile platforms are:

- Windows Mobile 6.x Professional and Classic
- Windows Mobile 6.x Standard

- Windows Embedded CE 6.x
- Windows Mobile 5.0 for Pocket PC
- Windows Mobile 5.0 for Smartphone
- Windows CE .NET 5.0
- Windows CE .NET 4.x
- Pocket PC 2003
- Pocket PC 2002
- Pocket PC
- Palm-size PC 2.11
- Palm-size PC 2.01
- Handheld PC 2000
- Handheld PC Pro
- Handheld PC 2.0
- Smartphone 2003
- Smartphone 2002

Note that if a platform is not included in the list, it does not mean InstallShield does not support it. It simply means that you cannot set conditions for that specific platform by default. To add support for additional platforms or to change the conditions for targeting a specific platform, you can modify the Settings.xml file that is installed with InstallShield. For more information, see "Modifying the List of Available Windows Mobile Platforms or their Associated Settings" in the InstallShield Help Library.

InstallShield includes support for the following Windows Mobile processors:

- ARM920
- ARM820
- ARM720
- Common Executable Format
- Hitachi SH4
- Hitachi SH3E
- Hitachi SH3
- i686
- i586
- i486
- MIPS R4000
- MIPS R3000
- MIPS R2000
- SHx SH4
- SHx SH3
- StrongARM-XScale

Palm OS Device Requirements

InstallShield supports Palm OS 3.5 and later.

Desktop Requirements for Windows Mobile Device Installations

Requirements for the desktop computers that are used to install applications on Windows Mobile devices are:

- Microsoft ActiveSync 3.x or later on Windows XP (ActiveSync 4.x is required for Windows Mobile 5.x or later devices)
- Microsoft Windows Mobile Device Center on Windows Vista
- Administrative privileges

Desktop Requirements for Palm OS Device Installations

Palm HotSync is required for the desktop computers that are used to install applications on Palm OS devices.

Known Issues

For a list of known issues, see Knowledge Base article [Q211166](#).