



InstallShield 2013 Express Edition

Release Notes

originally released June 2013; updated to include SP1, released October 2013

Introduction

InstallShield is the industry standard for authoring high-quality Windows Installer-based installations. InstallShield 2013 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.

For the latest information about InstallShield 2013 Express Edition, including updates to these release notes, see Knowledge Base article [Q210475](#).

Changes in SP1 (October 2013)

InstallShield 2013 Express Edition Service Pack 1 (SP1) includes changes that offer support for the final released versions of Windows 8.1, Windows Server 2012 R2, and Visual Studio 2013.

To obtain SP1, see KB article [Q213736](#).

Ability to Target Windows 8.1 and Windows Server 2012 R2 Systems

InstallShield enables you to specify that your installation requires Windows 8.1 or Windows Server 2012 R2. It also lets you build feature conditions for these operating systems.

The InstallShield prerequisites that should be installable on Windows 8.1 and Windows Server 2012 R2 have been updated so that they are installed on those systems if needed. Previously, the prerequisites were not run by default on those systems. This applies to the following InstallShield prerequisites:

- FSharp Redistributable Package 2.0
- JRE_SE 1.7.0_02 (x64)
- JRE_SE 1.7.0_02 (x86)
- Microsoft .NET Framework 3.0 OS Component
- Microsoft .NET Framework 3.5 SP1 (Windows Feature)
- Microsoft .NET Framework 4.5 Full
- Microsoft .NET Framework 4.5 Web
- Microsoft App-V 5.0 SP1 Desktop Client (x64)
- Microsoft App-V 5.0 SP1 Desktop Client (x86)
- Microsoft ReportViewer 2010
- Microsoft SQL CE 3.5 SP2

- Microsoft SQL Server 2005 Express SP3 (x86 & x64Wow)
- Microsoft SQL Server 2005 Express SP3 (x86)
- Microsoft SQL Server 2008 Express SP1 (x64)
- Microsoft SQL Server 2008 Express SP1 (x86 & x64Wow)
- Microsoft SQL Server 2008 Express SP1 (x86)
- Microsoft SQL Server 2008 Management Objects 10.00.2531 (IA64)
- Microsoft SQL Server 2008 Management Objects 10.00.2531 (x64)
- Microsoft SQL Server 2008 Management Objects 10.00.2531 (x86)
- Microsoft SQL Server 2008 Native Client 10.00.2531 (IA64)
- Microsoft SQL Server 2008 Native Client 10.00.2531 (x64)
- Microsoft SQL Server 2008 Native Client 10.00.2531 (x86)
- Microsoft SQL Server 2008 R2 Express RTM (x64)
- Microsoft SQL Server 2008 R2 Express RTM (x86 & x64Wow)
- Microsoft SQL Server 2008 R2 Express RTM (x86)
- Microsoft SQL Server 2008 R2 Express SP2 (x64)
- Microsoft SQL Server 2008 R2 Express SP2 (x86 & x64Wow)
- Microsoft SQL Server 2008 R2 Express SP2 (x86)
- Microsoft SQL Server 2008 R2 Native Client 10.50.1600.1 (IA64)
- Microsoft SQL Server 2008 R2 Native Client 10.50.1600.1 (x64)
- Microsoft SQL Server 2008 R2 Native Client 10.50.1600.1 (x86)
- Microsoft SQL Server 2012 Express LocalDB RTM (x64)
- Microsoft SQL Server 2012 Express LocalDB RTM (x86)
- Microsoft SQL Server 2012 Express RTM (x64)
- Microsoft SQL Server 2012 Express RTM (x86 & x64Wow)
- Microsoft SQL Server 2012 Express RTM (x86)
- Microsoft SQL Server 2012 Native Client (x64)
- Microsoft SQL Server 2012 Native Client (x86)
- Microsoft SQL Server Compact 4.0 (x64)
- Microsoft SQL Server Compact 4.0 (x86)
- Microsoft SQL Server Native Client 9.00.4035 (IA64)
- Microsoft SQL Server Native Client 9.00.4035 (x64)
- Microsoft SQL Server Native Client 9.00.4035 (x86)
- Microsoft SQL Server System CLR Types 10.00.2531 (IA64)
- Microsoft SQL Server System CLR Types 10.00.2531 (x64)
- Microsoft SQL Server System CLR Types 10.00.2531 (x86)
- Microsoft Visual C++ 2005 SP1 Redistributable MFC Security Update KB2538242(x64)
- Microsoft Visual C++ 2005 SP1 Redistributable MFC Security Update KB2538242(x86)
- Microsoft Visual C++ 2005 SP1 Redistributable Package (x64)

- Microsoft Visual C++ 2005 SP1 Redistributable Package (x86)
- Microsoft Visual C++ 2008 SP1 Redistributable MFC Security Update KB2538243(x64)
- Microsoft Visual C++ 2008 SP1 Redistributable MFC Security Update KB2538243(x86)
- Microsoft Visual C++ 2008 SP1 Redistributable Package (x64)
- Microsoft Visual C++ 2008 SP1 Redistributable Package (x86)
- Microsoft Visual C++ 2010 Redistributable Package (x64)
- Microsoft Visual C++ 2010 Redistributable Package (x86)
- Microsoft Visual C++ 2010 RTM Redistributable MFC Security Update KB2467173 (x64)
- Microsoft Visual C++ 2010 RTM Redistributable MFC Security Update KB2467173 (x86)
- Microsoft Visual C++ 2010 SP1 Redistributable Package (x64)
- Microsoft Visual C++ 2010 SP1 Redistributable Package (x86)
- Microsoft Visual C++ 2012 Redistributable Package (x64)
- Microsoft Visual C++ 2012 Redistributable Package (x86)
- Microsoft Visual C++ 2012 Update 1 Redistributable Package (x64)
- Microsoft Visual C++ 2012 Update 1 Redistributable Package (x86)
- Microsoft VSTO 2010 Runtime (x64)
- Microsoft VSTO 2010 Runtime

Support for Microsoft Visual Studio 2013

InstallShield includes support for Visual Studio 2013. You can create InstallShield projects from within this version of Visual Studio.

New InstallShield Prerequisites for Microsoft SQL Server 2012 Express SP1

InstallShield includes several new SQL Server–related InstallShield prerequisites that you can add to projects:

- Microsoft SQL Server 2012 Express SP1 LocalDB (x64)
- Microsoft SQL Server 2012 Express SP1 LocalDB (x86)
- Microsoft SQL Server 2012 Express SP1 (x64)
- Microsoft SQL Server 2012 Express SP1 (x86 & x64Wow)
- Microsoft SQL Server 2012 Express SP1 (x86)
- Microsoft SQL Server 2012 Express SP1 Management Objects (x64)
- Microsoft SQL Server 2012 Express SP1 Management Objects (x86)
- Microsoft SQL Server 2012 Express SP1 System CLR Types (x64)
- Microsoft SQL Server 2012 Express SP1 System CLR Types (x86)

These InstallShield prerequisites install the technology on supported target systems.

This functionality resolves the following issues: IOA-000081241 and IOA-000081242.

New Predefined Path Variable for the Visual Studio Solution Folder

A new predefined path variable called VSSolutionFolder is available in projects to reference a higher-level base directory. This support enables you to have in your InstallShield projects static links to files in sibling projects that

are within the Visual Studio solution folder; if you work on the projects on a different machine, the static links that use the VSSolutionFolder path variable can reference the correct paths for the files in sibling projects.

The VSSolutionFolder path variable is defined automatically whenever an InstallShield project is opened from within a Visual Studio solution. It is also defined automatically if you are using MSBuild to build a solution that contains an InstallShield project. However, in other scenarios, when the InstallShield project is opened without the Visual Studio solution, VSSolutionFolder cannot be defined automatically. For example, if you open the InstallShield project in InstallShield directly, without having Visual Studio open, VSSolutionFolder is not defined. Similarly, if you use the command-line tool IsCmdBld.exe, or if you use MSBuild with an .isproj file, VSSolutionFolder is not defined. If you are using IsCmdBld.exe to build a release in InstallShield project, use the -L command-line parameter to set the value of VSSolutionFolder. If you are using MSBuild, use the PathVariables parameter to set the value of VSSolutionFolder. This parameter is exposed as the ItemGroup InstallShieldPathVariableOverrides when the default targets file is used.

If you include in your InstallShield project a source file whose path includes the VSSolutionFolder path variable and build it in an environment that does not support the VSSolutionFolder path variable, build errors such as the following ones may occur:

- -6103: Could not find file <VSSolutionFolder>\MyFile.exe
- -6271: File <VSSolutionFolder>\MyFile.exe not found. An error occurred building the MsiFileHash table record for this file. Verify that the file exists in the specified location.

IOA-000059192

When the InstallShield prerequisites for Windows Installer are included in an installation, the InstallWelcome dialog is no longer displayed behind the other installation-related dialogs.

IOA-000074927

If you create a "Folder path, by searching in a specific folder" type of system search in your project, InstallShield no longer changes it to a different type of system search.

IOA-000079879

The Japanese version of InstallShield Express Edition can now be opened from within Visual Studio. Previously, the MSBuild template was missing, so Visual Studio crashed when creating a new InstallShield Express project.

IOA-000080707

The Japanese version of InstallShield no longer displays garbled text for elements such as menu commands and toolbars when InstallShield is used from within Visual Studio.

IOA-000080838

When InstallShield Express Edition is run in evaluation mode (that is, it has not been activated), InstallShield no longer crashes while building the WebDeployment type of release.

New Features in InstallShield 2013 Express Edition Original Release Version (June 2013)

New InstallShield Prerequisites for .NET Framework 3.5 SP1, Microsoft Visual C++ 2012, and SQL Server 2008 R2 Express SP2

InstallShield includes the following InstallShield prerequisites that you can add to projects:

- Microsoft .NET Framework 3.5 SP1 (Windows Feature)
- Microsoft SQL Server 2008 R2 Express SP2 (x64)
- Microsoft SQL Server 2008 R2 Express SP2 (x86 & x64Wow)
- Microsoft SQL Server 2008 R2 Express SP2 (x86)
- Microsoft Visual C++ 2012 Update 1 Redistributable Package (x64)
- Microsoft Visual C++ 2012 Update 1 Redistributable Package (x86)

These prerequisites install the various technologies on supported target systems.

This feature resolves issue IOA-000075613.

Ability to Install and Start Windows Services

InstallShield now includes support for installing a service during installation, and removing the service during uninstallation. It also now has support for optionally starting the service after installing it, starting it automatically every time that the system starts, or starting it on demand (when the service is requested through the Service Control Manager).

To configure information about a service in your project, use the new Services view.

Ability to Create Installations that Install to 64-Bit Locations

Microsoft designed 64-bit versions of Windows to allow existing 32-bit applications to continue to work seamlessly. They also designed 64-bit versions of Windows in such a way to allow a recompiled version of the same code to work seamlessly as a 64-bit application. To provide this support, 64-bit versions of Windows isolate the 32-bit and 64-bit portions from each other in two main ways: their files are stored in separate locations (for example: Program Files vs. Program Files (x86); System32 vs. SysWow64), and their registry keys are separated (HKLM\Software vs. HKLM\Software\Wow6432Node). Thus, if end users try to run a 32-bit Windows Installer-based installation on a 64-bit system, the files, folders, and registry entries that are configured to be installed to locations such as Program Files, System32, and HKLM\Software are redirected to Program Files (x86), SysWow64, HKLM\Software\Wow6432Node, respectively.

The Express edition of InstallShield now has support for creating 64-bit packages that can target 64-bit systems and install to 64-bit locations—for example, Program Files instead of Program Files (x86), System32 instead of SysWow64, and HKLM\Software instead of HKLM\Software\Wow6432Node. Previously, this support was available only in the Premier and Professional editions of InstallShield.

To enable this 64-bit support, the following changes have been made in the Express edition of InstallShield:

- The Files view now contains predefined folders for 64-bit locations. To specify that a file or folder should be installed to a 64-bit folder, add the file or folder to the appropriate predefined 64-bit folder. For example, to install a folder to the 64-bit Program Files Folder on 64-bit systems, add the folder to the new [ProgramFiles64Folder] node in this view. Note that 64-bit folders are not displayed by default. To display a 64-bit folder in this view: Right-click a folder in the **Destination computer's folders** pane, point to Show Predefined Folders, and then click [ProgramFiles64Folder].

- The Registry view now has support for 64-bit registry locations. The SOFTWARE registry entry in the **Destination computer's Registry view** pane in this view has been split into two separate nodes: SOFTWARE (32-Bit) and SOFTWARE (64-Bit). To specify that a registry entry should be installed to a 64-bit location, add the entry to the SOFTWARE (64-Bit) node, or a subnode.

At build time, if any of the files, folders, or registry entries in the project are configured to be installed to a 64-bit location, InstallShield builds a 64-bit (x64) .msi package, which can install to 64-bit locations on 64-bit systems.

Note that a 64-bit Windows Installer-based installation can install to 64-bit locations only on 64-bit systems; they cannot be run on 32-bit systems. Note also that a 32-bit Windows Installer-based installation can be run on 64-bit systems, but it cannot install to 64-bit locations. If your product targets both 32-bit systems and 64-bit systems, you can use the Express edition of InstallShield to create one project that targets 32-bit systems, and a separate project that targets 64-bit systems.

Support for Preventing a Shortcut from Being Pinned to the Windows 8 Start Screen

InstallShield lets you specify whether you want each shortcut in your installation to be pinned by default to the Start screen on Windows 8 target systems. You may want to disable pinning for shortcuts that are for tools and secondary products that are part of your installation. If you disable pinning for a shortcut, the shortcut is still available in the Apps list that contains shortcuts to all of the applications on the system.

To prevent Start Screen pinning for a shortcut, use the new Pin to Windows 8 Start Screen setting for a shortcut in the Shortcuts/Folders view.

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.

Installing More than One Edition of InstallShield

Only one edition of InstallShield 2013—Premier, Professional, or Express—can be installed on a system at a time. In addition, the InstallShield 2013 DIM Editor cannot be installed on the same machine with any edition of InstallShield 2013.

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.

Installing More than One Version of InstallShield

InstallShield 2013 can coexist on the same machine with other versions of InstallShield.

Project Upgrade Alerts

The following information describes possible upgrade issues that may occur when you upgrade projects that were created with InstallShield 2012 Spring Express Edition and earlier to InstallShield 2013 Express Edition. It also alerts you to possible changes in behavior that you may notice between new InstallShield 2013 Express Edition projects and projects that are upgraded from InstallShield 2012 Spring Express Edition or earlier to InstallShield 2013 Express Edition. For updates to this information, see Knowledge Base article [Q210477](#).

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

If you use InstallShield 2013 Express Edition to open a project that was created with an earlier version, InstallShield 2013 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 .773 before converting it. Delete the .773 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 2013 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 2013 Express Edition: InstallShield 2012 Spring 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 2013 Express Edition.

Change in Requirements for Target Systems

InstallShield no longer supports the creation of installations for Windows 2000 systems.

InstallShield no longer supports the creation of installations for mobile devices. Thus, the Mobile Devices view and the Smart Device project type are no longer included in InstallShield. If you try to upgrade a Smart Device project from InstallShield 2012 Spring Express Edition or earlier to InstallShield 2013 Express Edition, InstallShield 2013 Express Edition displays an error message and fails to open the project. If you upgrade a project from InstallShield 2012 Spring Express Edition or earlier to InstallShield 2013 Express Edition, and if the project targets desktop platforms and contains other mobile device support, InstallShield removes the mobile device support during the upgrade and logs a warning.

Removal of Outdated and Obsolete Items

InstallShield no longer has support for a number of outdated technologies. Many of these technologies have reached their end-of-life milestone and are no longer supported by Microsoft. For a full list of items, see Knowledge Base article [Q212461](#).

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 2013, you can still do so. For instructions, see Knowledge Base article [Q200884](#).

Resolved Issues in InstallShield 2013 Express Edition Original Release Version (June 2013)

IOA-000061457

The value of the project reference name property in an .isproj file is no longer truncated if the Visual Studio solution name has more than 26 characters.

IOA-000062068

Using a Localized_Resource output group with a primary project output group no longer causes the .NET dependencies to be installed to the wrong destination; they are now installed to the same destination as the .NET assembly instead of to an sv subfolder. Previously, the dependencies were installed to the sv subfolder if the Dependencies and Properties option was selected for the .NET Scan at Build setting of a .NET assembly component.

IOA-000071278

If a Visual Studio solution contains an InstallShield project that was upgraded from an earlier version of InstallShield, and if builds are done through Team Foundation Server (TFS), build error -5056 no longer occurs. In addition, MSBuild no longer fails with the error, "The program can't start because BECommonLib.dll is missing from your computer." Previously if you upgraded InstallShield projects that were created in an earlier version of InstallShield to a later version, these issues occurred because the .isproj file was not updated correctly.

IOA-000071280

If a Visual Studio solution contains an InstallShield project that was upgraded from an earlier version of InstallShield, and if builds are done through Team Foundation Server (TFS), the build now uses the MSBuild targets file for the current version of InstallShield. Previously, the build failed because it was referencing the MSBuild targets file for the earlier version of InstallShield.

IOA-000071481

The correct umlaut characters are now used in the Hungarian run-time string for the Hungarian version of "Another instance of this setup is already running. Please wait for the other instance to finish and then try again."

IOA-000073033

The conditions of the following InstallShield prerequisites have been changed to allow them to be run on 64-bit target systems:

- Microsoft Visual C++ 2008 SP1 Redistributable MFC Security Update KB2538243 (x86)
- Microsoft Visual C++ 2005 SP1 Redistributable MFC Security Update KB2538242 (x86)
- Microsoft Visual C++ 2005 SP1 Redistributable Package (x86)

Previously, the conditions prevented these InstallShield prerequisites from being run on 64-bit systems.

IOA-000073056

If you resize the Run-time Message column in the list of required software on the Installation Requirements page in the Project Assistant, InstallShield no longer stops responding.

IOA-000073186

The following can now be extracted from a compressed Setup.exe file and launched: (a) a compressed .msi package that contains files whose total combined size is large but not more than 2 GB and (b) an InstallShield prerequisite that is compressed into the Setup.exe file. Previously, these files could not be extracted from Setup.exe, and run-time error 1152 occurred.

Note that an .msi package cannot be more than 2 GB.

IOA-000073600

If an installation that has a predefined system search for PowerShell is run on a target system that has PowerShell, the installation no longer displays an error message indicating that PowerShell must be installed.

IOA-000074603

The conditions and the product GUID in the .prq file for the Microsoft Office 2010 Primary Interop Assemblies (PIA) redistributable have been updated to reflect the current redistributable that Microsoft has available on their Web site. Previously, the conditions and the product GUID were wrong, leading to unexpected behavior at run time.

IOA-000074812, IOA-000074888

Neither InstallShield prerequisite that installs the .NET Framework 4.5 no longer fails if the installation that includes the prerequisite is configured to download the .NET Framework redistributable from the Web.

IOA-000075214

If an installation includes the InstallShield prerequisite that installs the Microsoft VSTO 2010 Runtime and the location of the prerequisite is configured to be downloaded from the Web, the installation no longer fails with the message, "The files for installation requirement Microsoft VSTO 2010 Runtime could not be found." The prerequisite's .prq file now references the name of the VSTO runtime installation that is currently posted on Microsoft's site. Previously, the prerequisite's .prq file referenced the old name of the file on Microsoft's site.

IOA-000075403, IOA-000076787

If you are using InstallShield from within Visual Studio 2012, InstallShield now uses 4.0 for the value of the ToolsValue attribute in the .isproj file. If you use MSBuild or Team Foundation Server (TFS) to build your release, the build no longer fails with error MSB4062 reporting that the Microsoft.Build.Tasks.AssignProjectConfiguration task could not be loaded from the assembly Microsoft.Build.Tasks. In addition, the build no longer fails with error MSB3202 reporting that the project file was not found. Previously, the .isproj file contained the wrong value for the ToolsValue attribute, causing these types of errors.

IOA-000075404

If you are using InstallShield from within Visual Studio 2012 for a C++ project, InstallShield now correctly sets the FileName field of the File table record for the primary output of the C++ project. If you use MSBuild or Team Foundation Server (TFS) to build your release, the build no longer fails with build error -5023 (Error building table File).

IOA-000075905 (QuickPatch)

If you try to build a patch that is configured to automatically generate entries for the MsiPatchOldAssemblyFile and MsiPatchOldAssemblyName tables, and if the patch should contain an assembly file that needs to be patched and whose manifest is not set, the build no longer fails with fatal error -7071.

IOA-000076485

If you use MSBuild or TFS to build a release for an InstallShield project that is part of a Visual Studio solution, the resulting installation now includes the same dependencies as an installation that was generated from within Visual Studio.

IOA-000076649

If you open an InstallShield Express 3.01 project in InstallShield 2013 Express Edition, InstallShield successfully upgrades the project. Previously under certain conditions, the upgrade failed with an exception access violation error.

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 Vista
Windows Server 2008
Windows 7
Windows Server 2008 R2
Windows 8
Windows Server 2012
Windows 8.1
Windows Server 2012 R2

Privileges

Administrative privileges on the system

Mouse

Microsoft IntelliMouse or other compatible pointing device

Optional Integration with Visual Studio

The following versions of Microsoft Visual Studio can be integrated with InstallShield 2013 Express Edition:

Visual Studio 2008
Visual Studio 2010
Visual Studio 2012
Visual Studio 2013

The following editions of these versions of Visual Studio can be integrated with InstallShield 2013 Express Edition:

Professional
Premium
Ultimate

For Target Systems

Target systems must meet the following minimum operating system requirement:

Windows XP
Windows Server 2003
Windows Vista
Windows Server 2008
Windows 7
Windows Server 2008 R2
Windows 8
Windows Server 2012
Windows 8.1
Windows Server 2012 R2

Known Issues

For a list of known issues, see Knowledge Base article [Q210476](#).