



FLEXERA SOFTWARE™

InstallAnywhere®

InstallAnywhere 2010

Release Notes

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Introduction

InstallAnywhere is the leading multiplatform development solution for software producers who need to deliver a professional and consistent installation experience for cross-platform desktop and server applications. From a single project file and build environment, InstallAnywhere enables developers to create reliable installations for the broadest range of current platforms including Windows, Linux, Mac OS X, Solaris, AIX, HP-UX, and IBM iSeries. From a company who set the standard for installations with InstallShield, InstallAnywhere brings that experience and knowledge for multiplatform developers, which allows developers to create high-quality installations, reducing technical support costs and increasing customer satisfaction.

InstallAnywhere 2010 takes the next step forward by enabling multiplatform developers and software producers to comprehensively manage all phases of the installation life cycle including installation, rollback, maintenance, repair, and uninstall. Developers can support and manage multiple editions of their application with single installation project using build configurations and can easily customize the uninstaller for their application using a new Uninstall view. New maintenance mode functionality enables end users to add, remove, and repair product features as required, which improves the overall experience and is breakthrough functionality for non-Windows platforms. InstallAnywhere 2010 now supports rollback for installers in case of an error or user cancellation, returning the system to its original state.

New Features

InstallAnywhere continues to deliver the functionality developers need to build successful multi-platform installations. InstallAnywhere 2010 comes with the following new features:

- [Maintenance Mode Support](#)
- [Product Instance Management](#)
- [Build Configuration Support](#)
- [Installation Rollback Support](#)
- [Uninstall Phase Exposure](#)

Maintenance Mode Support

In InstallAnywhere 2010, you can choose to implement Maintenance Mode in an installer, which enables end users to add or remove features to previously installed products as well as repair broken installations.

With a Maintenance-Mode-enabled installer, end users can perform the following maintenance activities:

- **Add Feature**—Install additional features that were bundled with the product but which were not installed during the initial installation.
- **Remove Feature**—Remove a feature that had already been installed without uninstalling the entire application.
- **Repair Installation**—Reinstall a broken or corrupted feature.
- **Uninstall Product**—Uninstall the entire application.

Maintenance Mode gives your end users the flexibility of managing product features as needed. Maintenance Mode is also available for console mode installations.

Product Instance Management

The new Instance Management feature gives you better control over the number of product instances that are permitted to be installed on an end user's machine. You can restrict the number of permitted instances of your product on the target system to a single instance only or to a specific number of instances.

Build Configuration Support

InstallAnywhere's new Build Configuration feature enables you to easily create and manage multiple configurations in the same InstallAnywhere project, with each Build Configuration representing how the installer will be built for particular set of platforms, files, build distributions, JVMs, locales, and other settings. Using Build Configurations enables you to use one project to create multiple installers for the same application, each with a slightly different configuration.

Tags

You can use Tags to bundle different sets of actions, panels, features, and components with Build Configurations. When building each Build Configuration, the installer will include:

- All untagged project elements and
- Those project elements that have been associated with a Tag that is also associated with the selected Build Configuration.

All other project elements will be excluded.

Installation Rollback Support

If an end user cancels an installation before it has completed, or if a fatal error occurs during the installation, the result can be an incomplete, corrupt application. To avoid this problem, you can now choose to enable installation rollback by selecting the **Enable Rollback** option on the **Project > Advanced** subtask.

If you select the **Enable Rollback** option, and the end user cancels an installation or a fatal error occurs, the installer will automatically revert what has been altered or added to the system.

Uninstall Phase Exposure

InstallAnywhere automatically creates an Uninstaller for each project. The Uninstaller, much like the Installer, is a collection of panels, consoles, and actions. The standard Uninstaller uninstalls the application by executing each action's uninstallation procedure.

However, in some situations, you may want additional flexibility and have more control over how the uninstallation is performed. Therefore, you may want to use the **Uninstall** task in the Advanced Designer to customize the Uninstaller by adding, removing or changing some of the uninstall actions. For example, you may want to disable the uninstallation of an entire set of resources, rename files, copy and move files, display additional dialog messages, or execute some custom code at uninstall time.

Resolved Issues

The following fixes and improvements have been made in InstallAnywhere 2010:

Issue	Description
BZ-14031	Files and directories created by InstallAnywhere in the /tmp directory during installation on Linux were not deleted after either a successful installation or after an installation is cancelled. This issue has been resolved.
IOA-000024294	When installing on HP/UX or AIX, if an installer is canceled any time during the Pre-Install task, the installer temporary directory is not removed from the system. This issue has been resolved.
IOA-000027521	If you do an automated build using ANT 1.6.5 with InstallAnywhere 8.0 and set the BuildNamedUNIXwithoutVM parameter to true in the build.xml file, the build will fail. This issue has been resolved.
IOA-000030942	When an InstallAnywhere installer is run to install an application onto an HP-UX system, when that application is uninstalled, the Uninstaller does not remove all of the installed files. The Java Runtime Environment (JRE) and other files and folders are left behind. This issue has been addressed, and all files and folders are now removed during uninstallation.
IOA-000041569	If you create an installer with the Always Generate Response File option on the Project > Info subtask selected, and you add a file with the If file already exists on the end users system set to Always prompt user , the installer did not prompt the end user for file overwrite behavior. This issue has been resolved.
IOA-000041875	Because the Advanced Designer interface now provides an Uninstall task, enabling you to customize the Uninstaller, you can now choose to run an Execute Command or an Execute Batch/Script action at install time, uninstall time, or both.
IOA-000042103	Because the Advanced Designer interface now provides an Uninstall task, you can now reorder the actions executed in the Uninstall task. This enables you to execute the uninstaller actions in reverse order to the order they were executed in the installer.
IOA-000042917	If you run an installer that includes the Choose Install Folder panel, and you edit the installation folder that you originally selected (by clicking the Back button in the installer and selecting a location on a different drive), the \$INSTALL_DRIVE_ROOT\$ variable is not updated with the changed path. This issue has been resolved.
IOA-000043361	When you display command line help for the installer using the install.exe - ? command, help text for the LAX_VM option was not displayed. This issue has been resolved and help for the LAX_VM option is now displayed.

Issue	Description
IOA-000045285	When you have an installer that includes a Choose Install Sets panel, the text box that lists a description of the selected Install Set does not provide a scroll bar, even when the amount of text displayed in the text box exceeds the amount that can be displayed. This issue has been resolved, and a scroll bar now appears.
IOA-000046462	If the Unix df command encountered an error (due to a stale mount point or any other reason), the InstallAnywhere Disk Space Check panel action would cause the installer to go into an unresponsive state. This issue has been resolved.
IOA-000047358	If you create an installer that contains a Set InstallAnywhere Variable - Single Variable action which has the Evaluate any variables at assignment option selected, the installer was caching the value used to set the variable the first time it was executed. Then, if it was executed again, this cached value was mistakenly used. This issue has been resolved.
IOA-000051422	When using an installer that is linked to an external resource bundle, the strings on the Choose Features to Uninstall panel—which give the instructions to either check or uncheck features—were not obtained from the external resource bundle. Instead, the literal string was displayed, such as: <code>\$L{MyBundle.MyString}</code> . This issue has been resolved and the strings are now read properly from the external resource bundle.
IOA-000052027	When an InstallAnywhere variable that included a dollar sign (\$) in its value was passed from main installer to an imported dynamic merge module with a Show Message Dialog panel, the value of the variable was truncated to only display the characters before the dollar sign. This issue has been resolved.
IOA-000052101	When running an installer in console mode on the iSeries (OS/400) machine in a PASE environment, debug output is written to the console even if the Send stderr to and Send stdout to properties have not been set in the project, no debugging system properties are set, and the LAX_DEBUG environment variable is not set. This issue has been resolved.
IOA-000052797	When using the Project Automation API to add languages and panels to a project, and then building the project using Ant, the installer step labels are displayed in the incorrect order in non-English locales. This issue has been resolved.
IOC-000056598	Because of the addition of the Maintenance Mode feature, after the end user has initially installed an application, they can rerun the installer and choose to install additional features that were not installed during the initial installation.
IOC-000064455	When installing an application on HP-UX or other Unix platforms, the temporary <code>install.dir.xxxx</code> folder is not removed from <code>/tmp</code> directory after the installation is completed. This issue has been resolved, and this directory is now removed after a successful installation.

Issue	Description
IOC-000068888	When a <code>buildproperties.xml</code> file is used, the command line builder fails to find the VM listed under the <code><bundledVM></code> property. This issue has been resolved.
IOC-000072009	An exception was being thrown if an Execute Custom Code action that has its Invoke uninstall() method option set to after file/folder uninstall precedes another Execute Custom Code action which has this property set to before file/folder uninstall . This issue has been resolved.
IOC-000076997	When running an installer on Linux, a Launch Default Browser action would fail if the HTML file has a space in its name. This issue has been resolved.
IOC-000077825	If you create an installer that has a LaunchAnywhere launcher which includes an icon, and that icon is also included in a SpeedFolder which is installed prior to the LaunchAnywhere launcher, the installation of the LaunchAnywhere launcher would cause the installer to go into an unresponsive state. This issue has been resolved.
IOC-000080327	Previously, AIX, HP-UX and UNIX_with_VM installers failed to install the JDK bundled VM. A hot fix to resolve this issue is included in the InstallAnywhere 2010 release.
IOC-000084236	The string orientation of Arabic (and Hebrew) text is now right to left.

System Requirements

InstallAnywhere 2010 has the following system requirements:

- [For Systems Running InstallAnywhere \(Authoring Environment\)](#)
- [For Target Systems \(Installer Environment\)](#)
- [Supported Java Virtual Machines](#)

For Systems Running InstallAnywhere (Authoring Environment)

InstallAnywhere 2010 has the following system requirements for systems running the InstallAnywhere authoring environment:

Item	Description
RAM	128 MB free
Color	Minimum of 8-bit color depth (256 colors)
Resolution	Minimum 1024 x 768 resolution
Operating System	InstallAnywhere runs on the latest versions of these operating systems, fully updated with the most recent patches and service packs: <ul style="list-style-type: none">Windows<ul style="list-style-type: none">• Windows 7 (32-bit x86)• Windows Vista• Windows XP• Windows 2000Macintosh Mac OS X 10.4, 10.5, and 10.6 with Java 1.6Linux<ul style="list-style-type: none">• Red Hat Enterprise Linux 4 and 5 (32-bit x86)• SUSE Linux 9, 10, and 11.2 (32-bit x86)• Ubuntu 9.10 (32-bit x86)Solaris Solaris 9 and 10 (SPARC)HP-UX HP-UX 11i (PA-RISC)AIX AIX 5.2, 5.3, and 6.1 (Power/PowerPC)



Note • A Japanese-localized version of InstallAnywhere Enterprise Edition is available on the Windows platform only. Installers can be built from any platform for any other platform or language. Localizations for 31 languages are included with Enterprise Edition. Localizations for 9 languages are included with Standard Edition.

For Target Systems (Installer Environment)

The following are the system requirements for systems running InstallAnywhere 2010 installers:

Item	Description
RAM	64 MB free
Color	Minimum of 8-bit color depth (256 colors)
Resolution	Minimum 640 x 480 screen resolution

Operating System Installers run on any version of these operating systems, as long as the operating system supports Java 1.4 or newer:



Note • *InstallAnywhere installers are not supported on beta or on early access releases unless explicitly mentioned.*

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| Windows | <ul style="list-style-type: none">• Windows 7 (32-bit and 64-bit x86)• Windows Vista (32-bit and 64-bit x86)• Windows XP (32-bit and 64-bit x86, Itanium 2, and AMD-64)• Windows Server 2008 (32-bit and 64-bit)• Windows Server 2008 R2 (64-bit x86)• Windows Server 2003 (32-bit and 64-bit x86, Itanium 2, and AMD-64)• Windows 2000 and NT (32-bit x86) |
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Macintosh	Mac OS X 10.2, 10.3, 10.4, 10.5 and 10.6 (Snow Leopard)
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| Linux | <ul style="list-style-type: none">• Red Hat Enterprise Linux 4 and 5 (x86, Itanium 2, and AMD-64)• SUSE Linux 9, 10 and 11.2 (32-bit x86)• Linux on zSeries• Ubuntu 9.10 (32-bit x86) |
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Solaris	Solaris 9 and 10 (SPARC, x86, and AMD-64)
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HP-UX	HP-UX 11i (Itanium 2 and PA-RISC)
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AIX	AIX 5.2, 5.3, and 6.1 (Power/PowerPC)
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| IBM | <ul style="list-style-type: none">• i5/OS (OS/400) on System i - V5R3 and V5R4 (Enterprise Edition only)• z/OS |
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Item	Description
	<p>Other</p> <ul style="list-style-type: none"> • FreeBSD • Other Linux and Unix operating systems (POSIX-compliant shell required)

Supported Java Virtual Machines

InstallAnywhere 2010 supports the following Java virtual machines:

Manufacturer	Versions
Sun	1.4.x, 1.5.x, 1.6.x
IBM	1.4.x, 1.5.x, 1.6.x
Apple	1.4.x, 1.5.x, 1.6.x
HP	1.4.x, 1.5.x, 1.6.x

The InstallAnywhere installer installs Java 1.6 VM packs. Any Java virtual machine can be bundled with an installer ensuring that the target system meets the minimum requirements for both the installers and your applications. To download additional VM packs, go to <http://www.flexerasoftware.com/installanywhere/utilities> and open the **VM Packs** tab.



Note • *InstallAnywhere installers are not supported on beta or on early access releases of Java.*

Known Issues

For a complete list of known issues, see Knowledge Base article [Q206687](#).

Sending Us Feedback

Your feedback is essential to helping us deliver features in InstallAnywhere that meets your needs. Many of the features for InstallAnywhere come directly from the feedback and suggestions that you, the InstallAnywhere developer community, have shared with our engineering and support teams. To provide feedback, see [Product Feedback](#).