



FLEXERA SOFTWARE™

AdminStudio®

AdminStudio 2013

Release Notes

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Introduction

AdminStudio Suite 2013 is the latest version of Flexera Software's industry-leading solution that powers an enterprise's application readiness process for pivotal migration projects, including virtualization, cloud computing, Windows 7 and 8 migration, and management of mobile applications as well as day-to-day packaging operations.

- The new AdminStudio 2013 Mobile Pack lets you centrally manage Apple iOS and Windows Store applications with the same tools and processes as Windows applications.
- To help you wrap up your Windows 7 migration before the Windows XP end-of-support date, AdminStudio 2013 includes new APIs that automate compatibility testing and remediation of auto-fixable packages, and new App-V-related operating system tests.
- AdminStudio 2013 Virtualization Pack significantly expands support for Microsoft App-V with compatibility testing, automatic conversion of MSI and .EXE to App-V 5.0, automatic conversion of App-V 4.5 and 4.6 to App-V 5.0, and direct editing of App-V packages.
- Finally, capabilities such as support for Symantec Workspace Virtualization and the ability to publish App-V packages directly to XenApp servers bring greater efficiency to client virtualization tasks

AdminStudio Suite 2013 includes the following new features:

Feature	Description
Manage Mobile Applications with New AdminStudio Mobile Pack	<ul style="list-style-type: none"> • Manage mobile applications—Automatically import Apple iOS and Windows Store applications into Application Manager and manage them alongside Windows applications using a unified solution and single process. • Streamline mobile app deployment—Directly publish Apple iOS and Windows Store applications from AdminStudio to Microsoft® System Center 2012 Configuration Manager SP1 which supports the Windows Intune Connector for deployment of mobile applications.

Feature	Description
Wrap Up Windows 7 Migrations	<ul style="list-style-type: none"> ● Streamline and automate application compatibility testing to meet XP end-of-support date—Use new APIs to control the entire testing and remediation workflow from a single PowerShell script, and allow the migration team to focus on the most complex and difficult packages while applications that AdminStudio can remediate automatically are ready for user testing or deployment. ● Run OS compatibility tests on App-V packages—Validate compatibility of App-V 4.5, 4.6 and 5.0 packages for Windows 7 and 8 (32 and 64 bit), Windows Server 2008 R2, and Windows Server 2012. ● Leverage App Portal Limited Edition for operating system deployment through Microsoft System Center Configuration Manager—Simplify and speed your migration by deploying the Windows 7 operating system image and applications through a self-service enterprise app store.
Leverage Expanded App-v Support, Including App-V 5.0	<ul style="list-style-type: none"> ● Start App-V projects with a comprehensive assessment—Automatically test suitability of applications for conversion and deployment as App-V 5.0 virtual applications and test to identify conflicts with other applications. ● Convert packages automatically—Convert MSI and .EXE to the Microsoft App-V 5.0 format and use the new App-V Conversion Wizard or AdminStudio APIs to accelerate App-V 4.5 and 4.6 to App-V 5.0 conversion. ● Edit Microsoft App-V 5.0 Packages—Directly edit App-V 5.0 packages, eliminating the need to reconvert from an MSI to modify the package. ● Easily support new App-V 5.0 capabilities—Define Virtual Connection Groups in AdminStudio and publish to Microsoft System Center 2012 Configuration Manager.

Feature	Description
Bring Greater Efficiency to Client Virtualization	<ul style="list-style-type: none"> <li data-bbox="634 212 1396 380">● Enhance virtualization for Symantec Workspace Virtualization—Test applications to assess suitability for deployment as Symantec Workspace Virtualization applications and automate conversion of MSI and .EXE to the Symantec Workspace Virtualization (.xpf) format. <li data-bbox="634 394 1396 489">● Eliminate extra steps to manage XenApp environments—Publish App-V packages directly to XenApp servers to streamline the application management tasks for VDI and hosted virtual sessions <li data-bbox="634 504 1396 741">● Identify best VDI candidates with AdminStudio Virtual Desktop Assessment—AdminStudio Virtualization Pack includes a Limited Edition of Virtual Desktop Assessment enabling identification of which users are good candidates to move to VDI and collects detailed data that assists with sizing and planning of VDI environments. (Available with AdminStudio Professional and Enterprise Editions with Virtualization Pack) <li data-bbox="634 756 1396 919">● View application usage and compatibility data together in Test Center—Enhance application virtualization decision making with the ability to view critical application usage test results from AdminStudio Virtual Desktop Assessment alongside AdminStudio application virtualization compatibility test results.
Additional New Features	<ul style="list-style-type: none"> <li data-bbox="634 955 1396 1157">● Support for Multiple Microsoft System Center Configuration Manager Environments—Configure the Application Manager to connect to multiple System Center Configuration Manager environments such as separate environments for test and production or for enterprises running both System Center 2007 Configuration Manager and System Center 2012 Configuration Manager.

New Features

AdminStudio 2013 includes the following new features:

- [Microsoft App-V 5.0 Support](#)
- [Symantec Workspace Virtualization Support](#)
- [Support for Multiple Named Connections to Distribution Systems](#)
- [Support for iOS and Windows Store Applications](#)
- [Enhanced Application Manager Import](#)
- [Greater Installation Flexibility During Repackaging](#)
- [System Center 2012 Configuration Manager Support Enhancements](#)
- [Test Center Enhancements](#)
- [Citrix XenApp Server Support](#)
- [Integration With Virtual Desktop Assessment Tool](#)
- [AdminStudio Host Process](#)
- [New Platform API Commands](#)
- [OS Snapshot Wizard Support for 64-Bit Operating Systems](#)
- [Support for Time-Limited License Files and Subscription Licensing](#)
- [InstallShield 2013](#)

Microsoft App-V 5.0 Support

AdminStudio 2013 fully supports the App-V 5.0 virtual package format. The following new features have been added:

- [Support for Conversion to App-V 5.0 Virtual Packages](#)
- [Support for Converting App-V 4.5 and 4.6 Packages to App-V 5.0 Format](#)
- [Test Center Support for App-V 5.0 Packages](#)
- [App-V 5.0 Launcher Enables Easy Publishing and Testing](#)
- [Ability to Edit App-V 5.0 Packages Using Virtual Package Editor](#)



Important • *Currently, when using AdminStudio 2013 to create App-V 5.0 packages, the final build step must be done on a Windows 8 or Windows Server 2012 machine when using AdminStudio native tools. This limitation does not apply if the Microsoft Application Virtualization Sequencer option is used in Automated Application Converter. We are working on this issue with Microsoft and will resolve it as soon as possible.*

Support for Conversion to App-V 5.0 Virtual Packages

In AdminStudio 2013, the following tools now support conversion to App-V 5.0 virtual packages:

- [Automated Application Converter Support for App-V 5.0](#)
- [Repackager Support for App-V 5.0](#)
- [InstallShield Editor App-V Assistant Support for App-V 5.0](#)

Automated Application Converter Support for App-V 5.0

In AdminStudio 2013, you can now use Automated Application Converter to automatically convert a single Windows Installer package or a group of packages to Microsoft App-V 5.0 virtual package format. Previously, only App-V 4.x format was supported.

- [Ability to Set App-V Package Creation Method](#)
- [Additional App-V 4.x and 5.0 Package Properties](#)
- [Additional App-V 5.0 Machine Properties](#)

Ability to Set App-V Package Creation Method

When using Automated Application Converter to convert packages to App-V 5.0 format, you can choose to use either AdminStudio's native virtual conversion functionality or the Microsoft App-V 5.0 Sequencer (on a virtual machine) to perform the conversion.

This **Package Creation** preference can be set at a global level (on the Application Manager **Options** dialog box) or on a per-package basis (on the **Properties** window of the **Packages** tab).

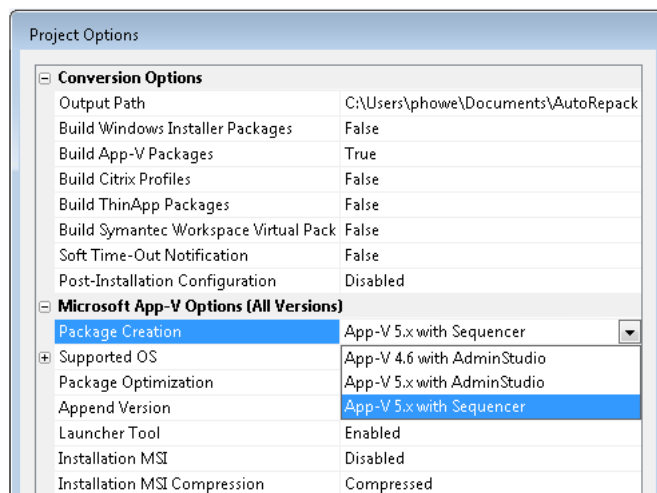


Figure 1: Package Creation Option on Application Manager Options Dialog Box



Note • In AdminStudio 2013, the **App-V 5.x with AdminStudio** conversion method is only available when AdminStudio is installed on a Windows 8 or Windows Server 2012 operating system.

Additional App-V 4.x and 5.0 Package Properties

Automated Application Converter has added additional package properties that are specific to the App-V format, including:

- [Primary Application Directory Property](#)
- [Expand App-V Package Property](#)

Primary Application Directory Property

You can use the **Primary Application Directory** property to specify the installation location for App-V 4.x or 5.x packages. Enter one of the following:

- **App-V 5.x conversions using the Sequencer**—Specify the absolute folder path to the expected main installation location of the package to be converted. If no value is specified, then the App-V 5.0 package will be created with all files in the virtual file system (VFS) folder.



Important • When you use the **App-V 5.x with Sequencer** option, it is highly recommended that you enter a value for the **Primary Application Directory** property. If you do not, then all of the converted files will end up in the virtual file system (VFS) folder.

- **App-V 4.x or 5.x conversions using AdminStudio**—Specify the main installation directory which will be used to set up the root/mount folder mapping.

For example, for Yahoo Messenger, AdminStudio automatically detects C:\Program Files\Yahoo! as the primary installation directory. However, you may prefer that the primary installation directory be C:\Program Files\Yahoo!\Messenger, because this directory is more correct for Messenger.

In this case, you can enter this new path in the **Primary Application Directory** property field, and it will be honored by the AdminStudio converter as long as this path exists in the Windows Installer package. If it does not exist, then AdminStudio will fall back to use the directory it found during automatic detection.



Important • When using the App-V 4.x/5.x with AdminStudio package creation options, this field is optional.

Expand App-V Package Property

You can use the **Expand App-V Package** property to expand an existing App-V 5.x package on the system before performing the sequencing. This is useful for specifying middleware and dependency App-V packages such as Java runtime.



Note • The **Expand App-V Package** option is only available when **App-V 5.x with Sequencer** is chosen as the **Package Creation** method.

Additional App-V 5.0 Machine Properties

Automated Application Converter has added additional machine properties that are specific to the App-V 5.0 format, including:

- **App-V 5.x Sequencer Snapshot**—Enter the name of the snapshot to revert to before starting conversion using the App-V 5.x Sequencer. The Microsoft App-V 5.x Sequencer needs to be installed on this snapshot.
- **App-V 5.x Client Snapshot**—Name of the snapshot to revert to before testing an App-V 5.x package. The Microsoft App-V 5.x client needs to be installed on this snapshot.

Repackager Support for App-V 5.0

In AdminStudio 2013, you can choose to build an App-V 5.0 package (.appv) package when building a Repackager project by selecting the **Create Microsoft App-V Package / Create Version 5.x** option on the **Repackaged Output** view of the Repackager interface.

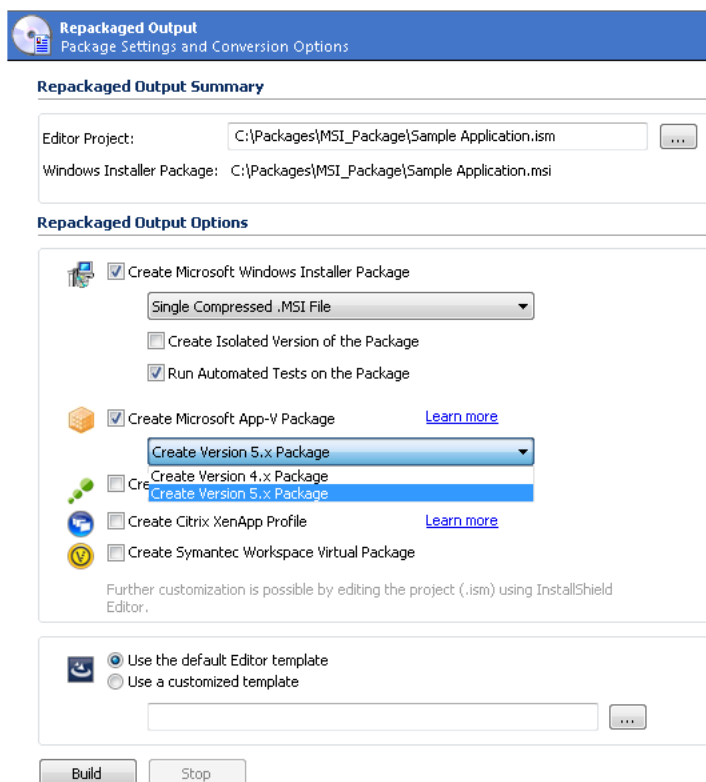


Figure 2: App-V 4.x and 5.x Options on Repackager Repackaged Output View

Previously, you could only build App-V 4.x packages using Repackager.



Note • In AdminStudio 2013, the **Create Version 5.x Package** option is only available when AdminStudio is installed on a Windows 8 or Windows Server 2012 operating system.

InstallShield Editor App-V Assistant Support for App-V 5.0

In AdminStudio 2013, you can use the InstallShield Editor App-V Assistant to build customized App-V 5.0 packages. Previously, you could only build App-V 4.x packages using the App-V Assistant.



Note • In AdminStudio 2013, you can only use the App-V Assistant to build an App-V 5.0 package when AdminStudio and InstallShield Editor are installed on a Windows 8 or Windows Server 2012 operating system.

Support for Converting App-V 4.5 and 4.6 Packages to App-V 5.0 Format

In AdminStudio 2013, you can easily convert an imported App-V 4.5 or 4.6 package to App-V 5.0 format. To do this, just select the App-V 4.5 or 4.6 package in the Application Manager tree and select **Launch Upgrade Wizard** from the context menu.

Figure 3: App-V Upgrade Wizard

Prior to conversion, you are prompted to enter a new package name, a location for the upgraded package, and some comments.



Note • This functionality requires that the Microsoft Application Virtualization 5.0 Sequencer is installed on the same machine as AdminStudio 2013.



Important • If AdminStudio is installed on a Windows 7 (x64) machine, you will need to first set the PowerShell execution policy to “unrestricted” before attempting to use the App-V Upgrade Wizard. To do this, execute the following command on an elevated Windows PowerShell (x86) utility:

```
Set-ExecutionPolicy Unrestricted
```

Test Center Support for App-V 5.0 Packages

In AdminStudio 2013, you can perform both operating system compatibility and best practices testing of App-V 5.0 packages. You can also perform application virtualization compatibility testing specifically for App-V 5.0 format. For more information, see:

- [Ability to Perform Operating System Compatibility Testing on App-V 4.x and 5.0 Packages](#)
- [Enhanced Application Virtualization Compatibility Testing](#)

App-V 5.0 Launcher Enables Easy Publishing and Testing

In AdminStudio 2013, a new App-V 5.0 Launcher can be included with App-V 5.0 packages. You can use the App-V 5.0 Application Launcher to quickly publish an App-V 5.0 package so that the package can be launched and tested.

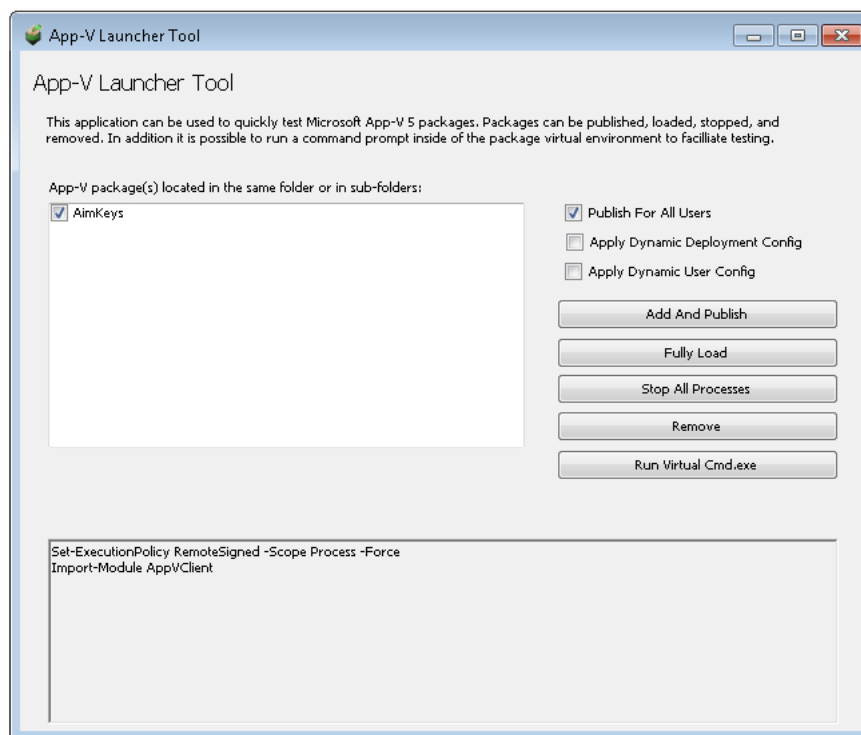


Figure 4: App-V 5.0 Launcher

In addition, the App-V 5.0 Launcher supports applying a deployment configuration file and also launching a command prompt within the virtual environment.

Ability to Edit App-V 5.0 Packages Using Virtual Package Editor

In AdminStudio 2013, you can use Virtual Package Editor to edit App-V 5.0 packages to perform tasks such as customizing the App-V 5.0 package, resolving issues or conflicts, or fixing runtime problems.

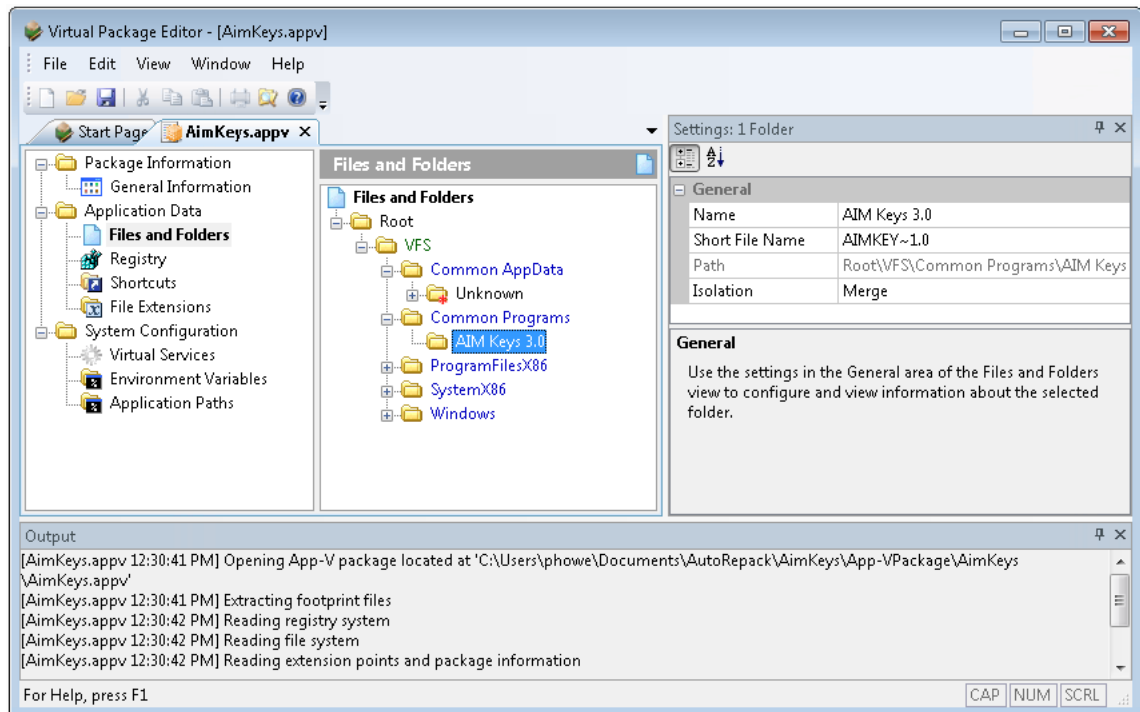


Figure 5: App-V 5.0 Package in Virtual Package Editor

Previously, you could use Virtual Package Editor to view the contents of App-V 5.0 packages but could not make any edits.



Note • In AdminStudio 2013, you can only use the Virtual Package Editor to edit an App-V 5.0 package when AdminStudio is installed on a Windows 8 or Windows Server 2012 operating system.

Symantec Workspace Virtualization Support

AdminStudio 2013 now supports the Symantec Workspace virtual package format. The following new features have been added:

- [Package Conversion to Symantec Workspace Format](#)
- [Import of Symantec Workspace Virtual Packages into Application Catalog](#)
- [Symantec Application Virtualization Compatibility Testing](#)

Package Conversion to Symantec Workspace Format

In AdminStudio 2013, the following tools support conversion to Symantec Workspace virtual packages:

- [Automated Application Converter](#)
- [Repackager](#)



Note • In order to convert a Windows Installer package to a Symantec Workspace virtual package, you need to have installed the Symantec Workspace Virtualization Agent on the same machine where AdminStudio is installed.

Automated Application Converter

In AdminStudio 2013, you can now use Automated Application Converter to automatically convert a single Windows Installer package or a group of packages to Symantec Workspace virtual package format.

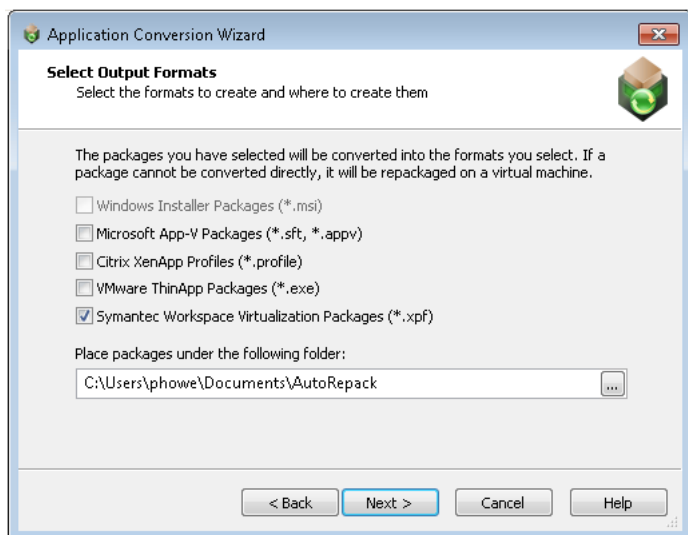


Figure 6: Symantec Workspace Virtualization Packages Selected on the Select Output Panel

To create a Symantec Workspace virtual package, do one of the following:

- **If using the Application Conversion Wizard**—Select **Symantec Workspace Virtualization Packages (*.xpf)** on the **Select Output** panel of the wizard.
- **If using the Application Conversion Project Wizard**—Set the **Build Symantec Workspace Virtual Packages** property on the **Project Options** dialog box to **True**.

Repackager

In AdminStudio 2013, you can choose to build a Symantec Workspace virtual package (.xpf) when building a Repackager project by selecting the **Symantec Workspace Virtual Package** option on the **Repackaged Output** view of the Repackager interface.

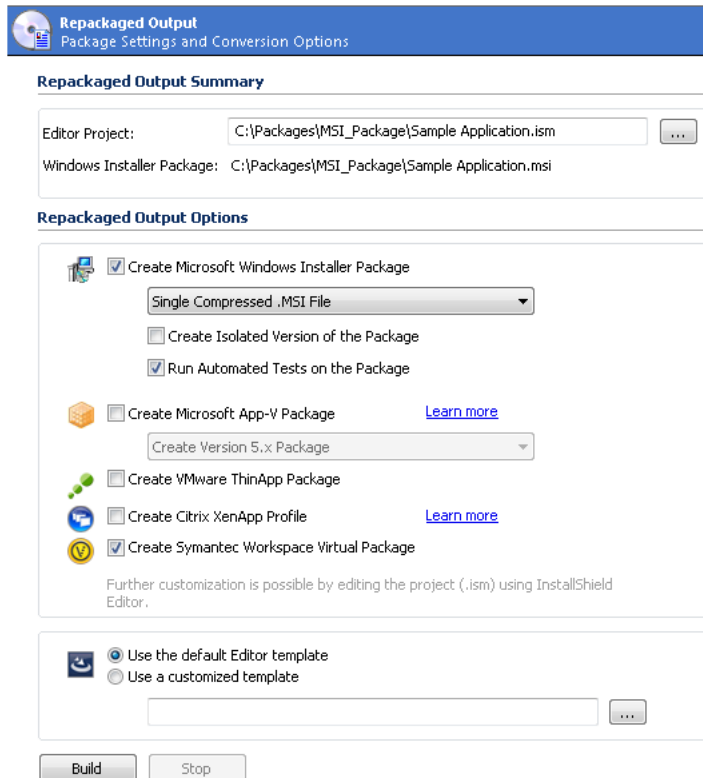


Figure 7: Create Symantec Workspace Virtual Package Option on Repackaged Output View

Import of Symantec Workspace Virtual Packages into Application Catalog

In AdminStudio 2013, you can import Symantec Workspace virtual packages into the Application Catalog. You can import them one at a time, or you can import a directory of packages (containing multiple deployment types, if desired).

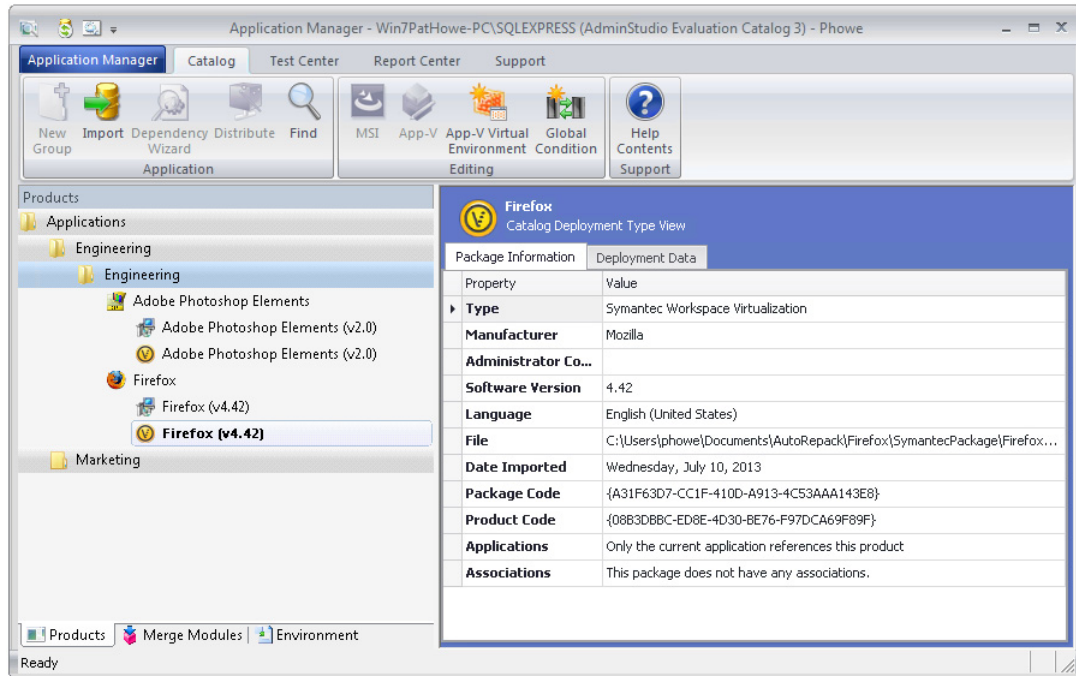


Figure 8: Symantec Packages in the Application Manager Tree

Symantec Application Virtualization Compatibility Testing

New application virtualization compatibility tests have been added to the Test Center test suite to determine whether a Windows Installer package is a suitable candidate for conversion to Symantec Workspace virtual package format. In the following example, eight Symantec tests were executed on the package and no errors or warnings were found.

Application Virtualization Compatibility	111	20	0	-	-	✘
Microsoft App-V 4.x	27	5	0	-	-	✘
Microsoft App-V 5.x	24	5	0	-	-	✘
VMware ThinApp	24	5	0	-	-	✘
Citrix XenApp Profile	28	5	0	-	-	✘
Symantec Workspace Virtualization	8	0	0	-	-	✔

Figure 9: Application Virtualization Compatibility Status for Symantec Workspace

Support for Multiple Named Connections to Distribution Systems

In AdminStudio 2013, you can define multiple named connections to System Center Configuration Manager and Citrix XenApp distribution systems. This enables you to both have multiple connections easily available during import and distribution, and to refer to those connection settings by name in Platform API commands.

You specify System Center Configuration Manager and Citrix XenApp Server connection settings on the **Distribution System** tab of the Application Manager **Options** dialog box.

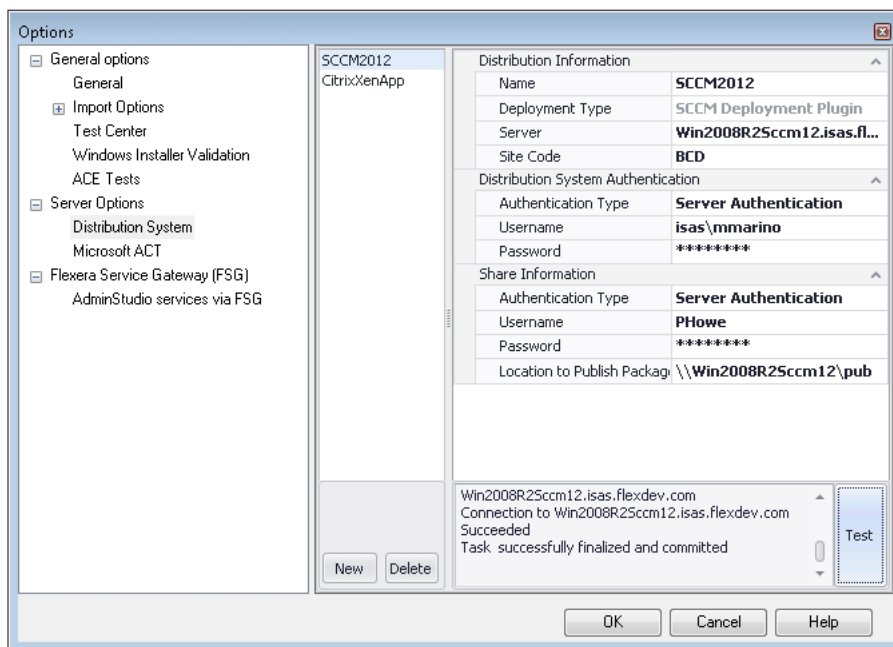










Figure 10: Distribution System Tab of Application Manager Options Dialog Box

After you enter these connection settings, those distribution systems will be available to you when importing and distributing applications and packages. Also, information from those distribution systems will be displayed:

- **System Center Configuration Manager**—The **Deployment Status** tab of the **Application View** will list data from System Center Configuration Manager that is specific to the selected application.
- **Citrix XenApp**—For App-V 4.x and Citrix XenApp packages, the **XenApp Deployment Data** tab of the **Catalog Deployment Type View** will be displayed, listing data from Citrix XenApp that is specific to the selected package.

After you specify a named connection to a distribution system, Application Manager will be able to perform the following tasks:

Table 1 • Application Manager Integration with Distribution Systems

Category	System Center 2012 Configuration Manager	System Center 2007 Configuration Manager	Citrix XenApp Server
Import packages from			—
Distribute applications to		—	  Note • You can only distribute applications containing Citrix XenApp and/or App-V 4.x packages to Citrix XenApp server.
Distribute packages to	—		—
Report on package deployment status		—	

Support for iOS and Windows Store Applications

AdminStudio 2013's new Mobile App Pack provides support for iOS and Windows Store applications:

- [Import of iOS and Windows Store Applications into Application Catalog](#)
- [Viewing Deployment Data for Windows Store Applications](#)
- [Publication of Mobile Applications to System Center 2012 Configuration Manager SP1](#)

Import of iOS and Windows Store Applications into Application Catalog

In AdminStudio 2013, you can now import the following types of mobile applications into the Application Catalog:

- Apple iOS applications (.ipa)
- Apple firmware packages (.ipsw)
- Microsoft Windows Store applications (.appx)

Viewing Deployment Data for Windows Store Applications

You can view a Windows Store application's detection methods on the **Deployment Data > Detection Method AppX** subtab of the **Catalog Deployment Type View**.

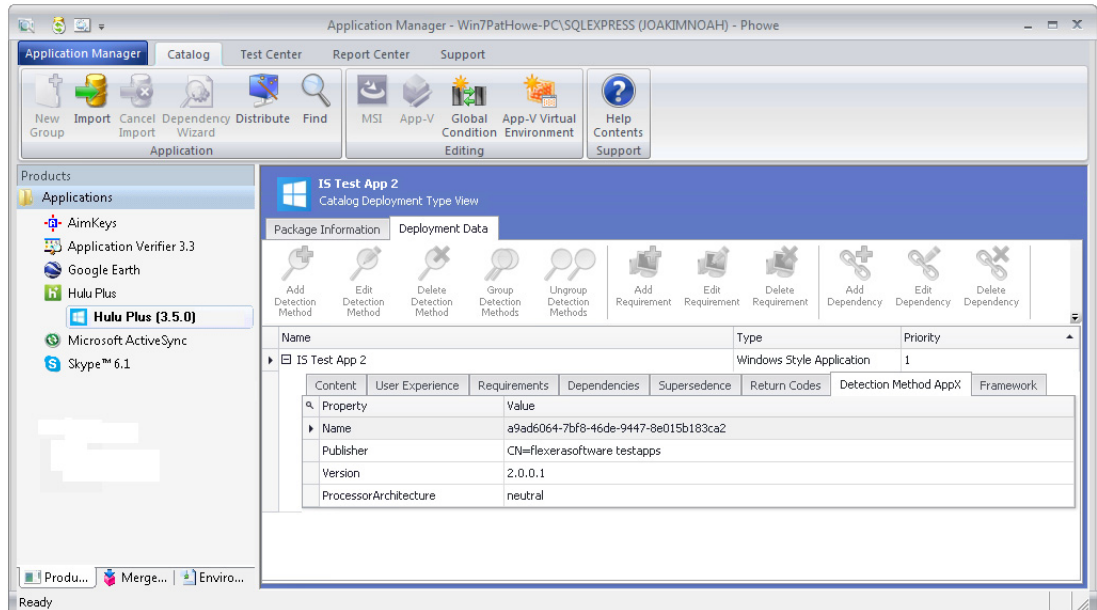


Figure 11: Deployment Data > Detection Method AppX Subtab for a Windows Store Application

Also, you can view a Windows Store application's framework customizations on the **Deployment Data > Framework** subtab of the **Catalog Deployment Type View**.

Publication of Mobile Applications to System Center 2012 Configuration Manager SP1

In AdminStudio 2013, you can publish Apple iOS applications and Microsoft Windows Store applications to System Center 2012 Configuration Manager SP1.

Enhanced Application Manager Import

AdminStudio 2013 includes both additional supported package types and enhanced methods of performing bulk import.

- [Ability to Import Additional Deployment Types into Application Catalog](#)
- [Enhanced Import of Multiple Packages from a Directory](#)
- [Enhanced Package Auto Import](#)

Ability to Import Additional Deployment Types into Application Catalog

In AdminStudio 2013, you can now import the following additional deployment types into the Application Catalog:

- Symantec Workspace virtual packages, as described in [Package Conversion to Symantec Workspace Format](#).
- Apple iOS mobile applications (.ipa) and Apple firmware packages (.ipsw), as described in [Support for iOS and Windows Store Applications](#).
- Microsoft Windows Store application, as described in [Support for iOS and Windows Store Applications](#).

Enhanced Import of Multiple Packages from a Directory

In AdminStudio 2013, there are several enhancements to how the Import Wizard performs an import of multiple packages in a selected directory:

- **All supported package types are imported**—In previous releases, when importing packages from a specified directory, you could only import the Windows Installer and App-V packages in that directory. In AdminStudio 2013, when using the **Folder of multiple packages** option of the Import Wizard, all supported package types are imported, including Windows Installer, App-V, XenApp, ThinApp, Symantec Workspace, legacy applications, mobile applications, and web applications.
- **Packages in all subdirectories of the selected directory are imported**—In previous releases, when importing a directory of packages, the Import Wizard would import the packages in the root directory and its first-level subdirectories. If a first-level subdirectory did not contain a package, the Import Wizard would continue scanning its child subdirectories, but as soon as a package was found, the Import Wizard would stop exploring that subdirectory's tree. In AdminStudio 2013, all packages in the selected directory and *all of its subdirectories* are imported.
- **Option to create subgroups based on source folder structure**—In AdminStudio 2013, you have the option of importing the packages in the selected directory into new subgroups—that are automatically created in the Application Manager tree—that match the directory structure of the selected directory. If you do not choose this option, all packages in the selected directory (and its subdirectories) will be imported into the root of the selected group.

Enhanced Package Auto Import

The Package Auto Import feature enables you to automatically import or re-import packages in a specified network directory into your Application Catalog.

In previous releases, the Package Auto Import feature only imported Windows Installer and App-V packages. In AdminStudio 2013, the Package Auto Import feature can now be used to import all supported package types, including:

- Windows Installer
- Microsoft App-V 4.x and 5.0
- VMware ThinApp
- Citrix XenApp
- Symantec Workspace
- Windows Store
- Apple iOS
- Legacy

After you have specified a shared directory to monitor using the Package Auto Import feature, packages in that directory are automatically imported into Application Manager. A group structure that mimics the directory structure of the selected network directory is created in the Application Manager tree:

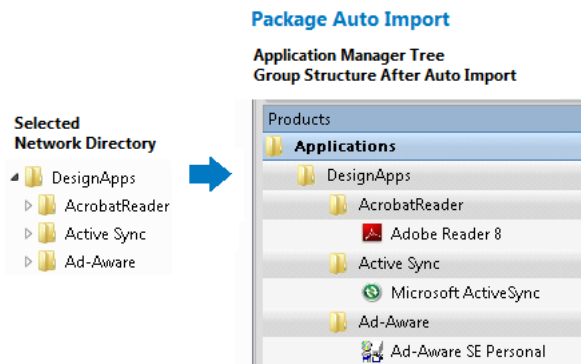


Figure 12: Group Structure Created by Package Auto Import

After the initial auto-import operation, packages will be imported or reimported into the Application Catalog whenever:

- A new package is added to the monitored directory.
- An existing package in the monitored directory is updated.

Greater Installation Flexibility During Repackaging

The following new package properties have been added to Automated Application Converter to give you greater flexibility when performing installation during repackaging:

- [Pre-Installation Configuration Property](#)
- [Manual Install Property](#)

Pre-Installation Configuration Property

When converting some packages, you may want to perform some manual configuration steps prior to installing that package during the repackaging process. This could be useful when a particular dependency, such as Java runtime, needs to be installed and should not be captured as part of the application capture process.

If you want to perform some manual configuration steps before beginning the capture process, open the Automated Application Converter **Packages** tab and set the package's **Pre-Installation Configuration** property to **Enabled**.

Manual Install Property

Rather than have Automated Application Converter automatically perform silent package installation on the virtual machine during repackaging, you can choose to perform an installation manually. Manual installation can be used for more complex installations such as installations that require user input or installations which consist of more than one executable file.

To enable manual installation of a package, open the Automated Application Converter **Packages** tab and set the package's **Manual Install** property to **Enabled**.



Important • The **Manual Install** property is ignored during App-V 5.0 conversion using the Microsoft App-V Sequencer.

System Center 2012 Configuration Manager Support Enhancements

AdminStudio 2013 includes the following enhancements to Application Manager's integration with System Center 2012 Configuration Manager:

- [Quick and Easy Connection Using Named Connections](#)
- [Support for Publication of Additional Deployment Types](#)
- [Ability to Import Device Requirements from System Center 2012 Configuration Manager](#)
- [Additional Operating Systems Available When Defining OS-Based Device Requirements](#)
- [Support for App-V Virtual Environments in System Center Configuration Manager](#)
- [Support for Retiring or Reinstating an Application](#)

Quick and Easy Connection Using Named Connections

Because in AdminStudio 2013 you now define named connections to distribution systems (as described in [Support for Multiple Named Connections to Distribution Systems](#)), connecting to a System Center Configuration Manager during import or distribution is now very simple. Instead of having to enter the server name, site code, user name, and password, you simply need to select the connection name from a list.

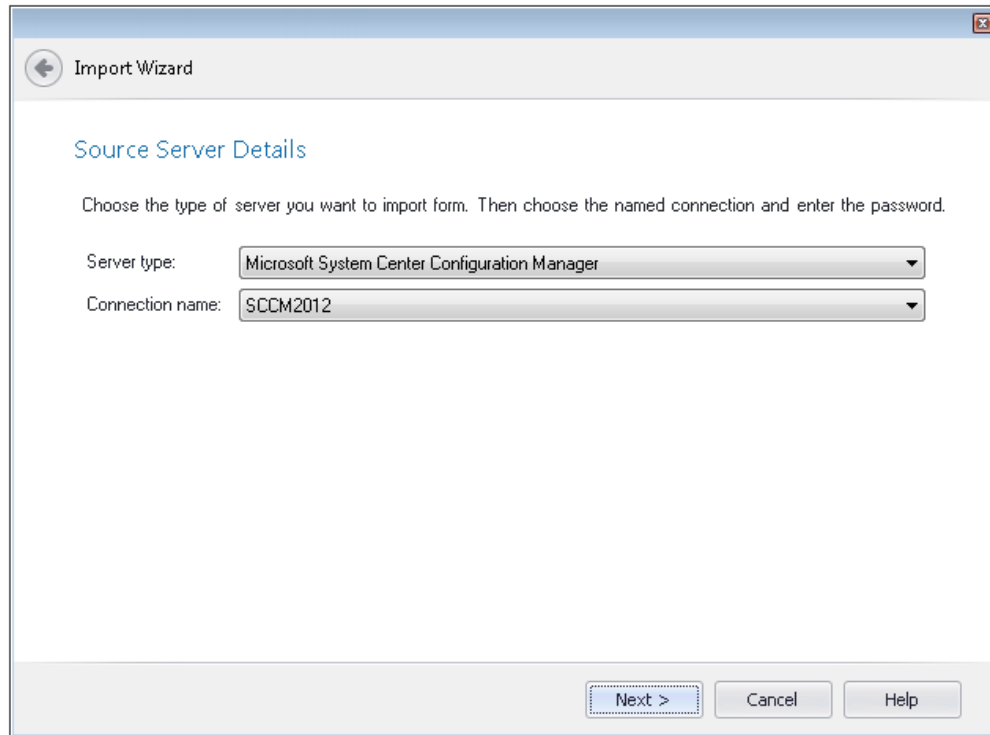


Figure 13: Selecting a Named Connection on the Source Server Details Panel of Import Wizard

Not only is this method simpler, you can also refer to those connection settings by name in Platform API commands.

Support for Publication of Additional Deployment Types

In previous releases, AdminStudio only supported the distribution of Windows Installer and App-V (4.x and 5.0) packages to System Center 2012 Configuration Manager. In AdminStudio 2013, the distribution of the following additional deployment types to System Center 2012 Configuration Manager SP1 is supported:

- iOS mobile applications
- Microsoft Windows Store applications
- Legacy installer packages

Ability to Import Device Requirements from System Center 2012 Configuration Manager

In AdminStudio 2013, you can choose to import device requirements from Microsoft System Center 2012 Configuration Manager. In the **Requirement Wizard**, after you choose to create a device requirement, you can now choose the **Device requirement from Configuration Manager** option.

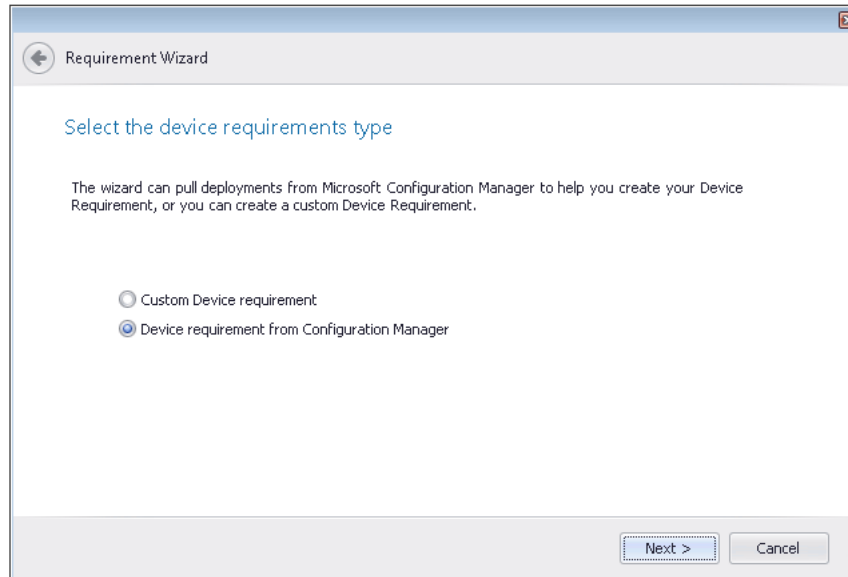


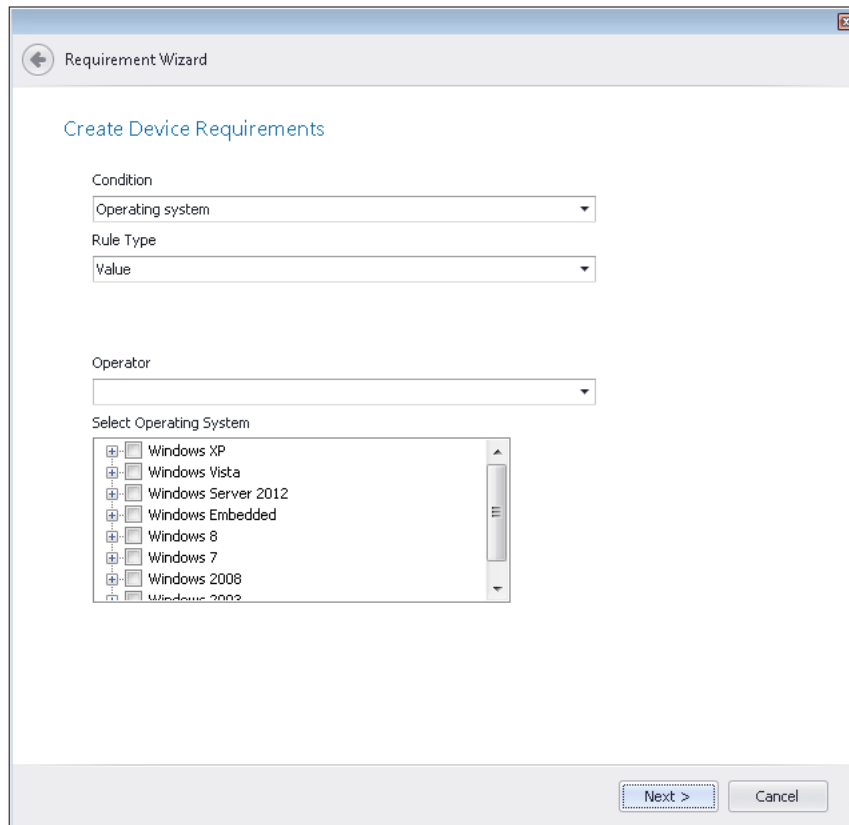
Figure 14: Select the Device Requirements Type Panel of Requirement Wizard

The **Device Requirements from Configuration Manager** panel opens and lists those applications in the System Center 2012 Configuration Manager server that have defined device requirements. You then just select the application in the list that matches the one that you are editing.

Additional Operating Systems Available When Defining OS-Based Device Requirements

When using the Requirement Wizard to create a custom device requirement based on operating system, additional operating systems are now available:

- Windows Server 2012
- Windows Embedded



The screenshot shows the 'Requirement Wizard' window with the 'Create Device Requirements' panel. The panel contains the following fields and controls:

- Condition:** A dropdown menu with 'Operating system' selected.
- Rule Type:** A dropdown menu with 'Value' selected.
- Operator:** An empty dropdown menu.
- Select Operating System:** A list box containing the following items, each with a plus sign icon to its left:
 - Windows XP
 - Windows Vista
 - Windows Server 2012
 - Windows Embedded
 - Windows 8
 - Windows 7
 - Windows 2008
 - Windows 2003

At the bottom right of the panel are two buttons: 'Next >' and 'Cancel'.

Figure 15: Create Device Requirements Panel of Requirement Wizard

Support for App-V Virtual Environments in System Center Configuration Manager

In AdminStudio 2013, you can create App-V virtual environments for App-V 5.0 packages. App-V virtual environments in Microsoft System Center 2012 Configuration Manager enable deployed virtual applications to share the same file system and registry on client computers. This means that, unlike standard virtual applications, these applications can share data with each other.



Tip • Using virtual environments to group dependent packages together in App-V 5.0 is similar to the Dynamic Suite Composition feature used with App-V 4.x packages.

In AdminStudio 2013, you can create an App-V virtual environment by clicking the **App-V Virtual Environment** button in the **Catalog** tab ribbon:

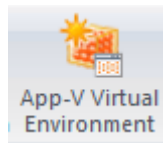


Figure 16: App-V Virtual Environment Button

The **App-V Virtual Environments** dialog box opens, listing all existing App-V virtual environments. You are then prompted to specify a name for the virtual environment and then to add a group (or groups) of App-V 5.0 packages in the Application Catalog to include in the virtual environment. You can also specify the priority order of the App-V 5.0 packages in the group when they are installed in the same virtual environment. When multiple virtual applications modify the same file system or registry values on a client computer, the application with the highest order will take precedence.

Support for Retiring or Reinstating an Application

You can retire or reinstate an application in System Center 2012 Configuration Manager by changing its **Status** property on the **Deployment Status** tab of the Application Manager **Application View**, without even being required to republish the application. The **Status** property has two values:

- **Retire**—Select this option to make this application unavailable for distribution by System Center 2012 Configuration Manager.
- **Active**—Select this option to reinstate this application, making a formerly retired application once again available for distribution by System Center 2012 Configuration Manager.

When you retire an application, it is no longer available for deployment but the application and any deployments of the application are not deleted. Existing copies of this application that have been installed on client computers will not be removed. If an application that has no deployments is retired, it will be deleted from the Configuration Manager console after 60 days. However, any installed copies of the application are not removed.

Test Center Enhancements

In AdminStudio 2013, the following enhancements have been made to Test Center:

- Ability to Perform Operating System Compatibility Testing on App-V 4.x and 5.0 Packages
- Enhanced Application Virtualization Compatibility Testing
- Virtual Desktop Analysis Application Virtualization Compatibility Testing
- Operating System and Browser Compatibility Tests Updated for the Microsoft RTM Releases
- Separation of Operating System Compatibility and Browser Compatibility Tests Results
- Reorganization and Renaming of Best Practices Tests
- Separation of Remote Desktop Services Test Results
- Additional Operating System Compatibility Tests

Ability to Perform Operating System Compatibility Testing on App-V 4.x and 5.0 Packages

In AdminStudio 2013, you can now perform Operating System Compatibility testing on App-V 4.x and 5.0 packages. Operating systems include: Windows 8 (32- and 64-bit), Windows 7 (32- and 64-bit), Windows Server 2012, and Windows Server 2008 R2.

Summary	Operating System Compatibility	Installer Best Practices	Application Conflicts			
Test Category	Executed	Errors	Warnings	Auto Fix Available	Issues Suppressed	Overall Assessment
Operating System Compatibility	148	0	24	-	0	Warning
Windows 7 32-bit	20	0	4	-	0	Warning
Windows 7 64-bit	23	0	4	-	0	Warning
Windows Server 2008 R2	24	0	4	-	0	Warning
Windows 8 32-bit	26	0	4	-	0	Warning
Windows 8 64-bit	27	0	4	-	0	Warning
Windows Server 2012	28	0	4	-	0	Warning
Installer Best Practices	15	0	0	0	0	Success
Microsoft App-V Best Practices	15	0	0	0	0	Success
Application Conflicts	6	0	0	0	0	Success
Microsoft App-V Conflicts	6	0	0	0	0	Success

Figure 17: Operating System Compatibility Test Results for an App-V Package

Previously, only best practices and application conflict testing could be performed on App-V packages.

Enhanced Application Virtualization Compatibility Testing

AdminStudio 2013 includes not only additional application virtualization compatibility tests, but also a more flexible way to perform testing:

- [New App-V 5.0 and Symantec Application Virtualization Compatibility Tests](#)
- [Ability to Perform Application Virtualization Compatibility Testing on a Per-Virtual-Package-Format Basis](#)

New App-V 5.0 and Symantec Application Virtualization Compatibility Tests

New application virtualization compatibility tests have been added to the Test Center test suite to determine whether a Windows Installer package is a suitable candidate for conversion to Microsoft App-V 5.0 or Symantec format.

Ability to Perform Application Virtualization Compatibility Testing on a Per-Virtual-Package-Format Basis

In AdminStudio 2013, you can now perform application virtualization compatibility testing on a per-virtual-package-format basis. Instead of being required to run tests for all virtual package formats, you can now choose to run only those tests that check for compatibility for the formats you desire; only tests for the selected virtual formats on the **Select Tests to Execute** dialog box will run.

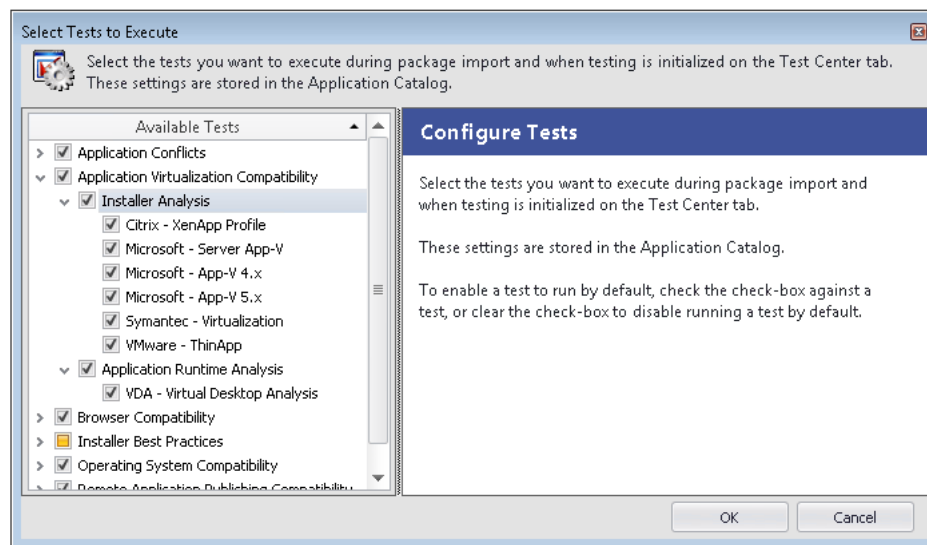


Figure 18: Select Tests to Execute Dialog Box

Virtual Desktop Analysis Application Virtualization Compatibility Testing

In AdminStudio 2013, if you are connected to our Virtual Desktop Assessment tool, you can run application runtime analysis tests and report back whether a package is suited for a virtual desktop.

Test results from Virtual Desktop Assessment analyses are displayed in Test Center on the **Application Virtualization Compatibility** tab.

Severity	Message	Count
Technology: VMware ThinApp Count: 30		
+	Virtual Desktop Assessment: Device Driver: Dynamic analysis detected that this product installed a device driver.	Count: 3
+	Virtual Desktop Assessment: DCOM Services: Dynamic analysis detected that this product provides DCOM Services.	Count: 3
+	Device Driver: This package contains a device driver. System-level drivers such as print drivers or USB device drivers do not work from a virtualized environment. It may be possible to extract this driver such that it can be installed locally on the machine and allow the rest of the package to be virtualized.	Count: 21
+	URL Protocol: This package registers an URL Protocol.	Count: 3
Technology: Symantec Workspace Virtualization Count: 24		
+	Virtual Desktop Assessment: Device Driver: Dynamic analysis detected that this product installed a device driver.	Count: 3
+	Device Driver: This package contains a device driver. System-level drivers such as print drivers or USB device drivers do not work from a virtualized environment. It may be possible to extract this driver such that it can be installed locally on the machine and allow the rest of the package to be virtualized.	Count: 21
Total Issues: 168		

Figure 19: Virtual Desktop Assessment Test Results



Note • For more information, see [Integration With Virtual Desktop Assessment Tool](#).

Operating System and Browser Compatibility Tests Updated for the Microsoft RTM Releases

AdminStudio 2013 now includes Operating System Compatibility and Browser Compatibility tests for the RTM versions of Internet Explorer 10, Windows 8, and Windows 2012 Server.

Separation of Operating System Compatibility and Browser Compatibility Tests Results

In Test Center, instead of grouping operating system compatibility test results with browser compatibility test results (on a tab named OS and Browser Compatibility), these test results have been separated into separate columns/tabs.

In the **Test Center Group View**, these test results are listed in separate columns entitled **Operating System Compatibility** and **Browser Compatibility**.

In the **Test Center Deployment Type View**, the **Operating System Compatibility** tab is displayed when a package is selected, while the **Browser Compatibility** tab is displayed when a web application is selected.

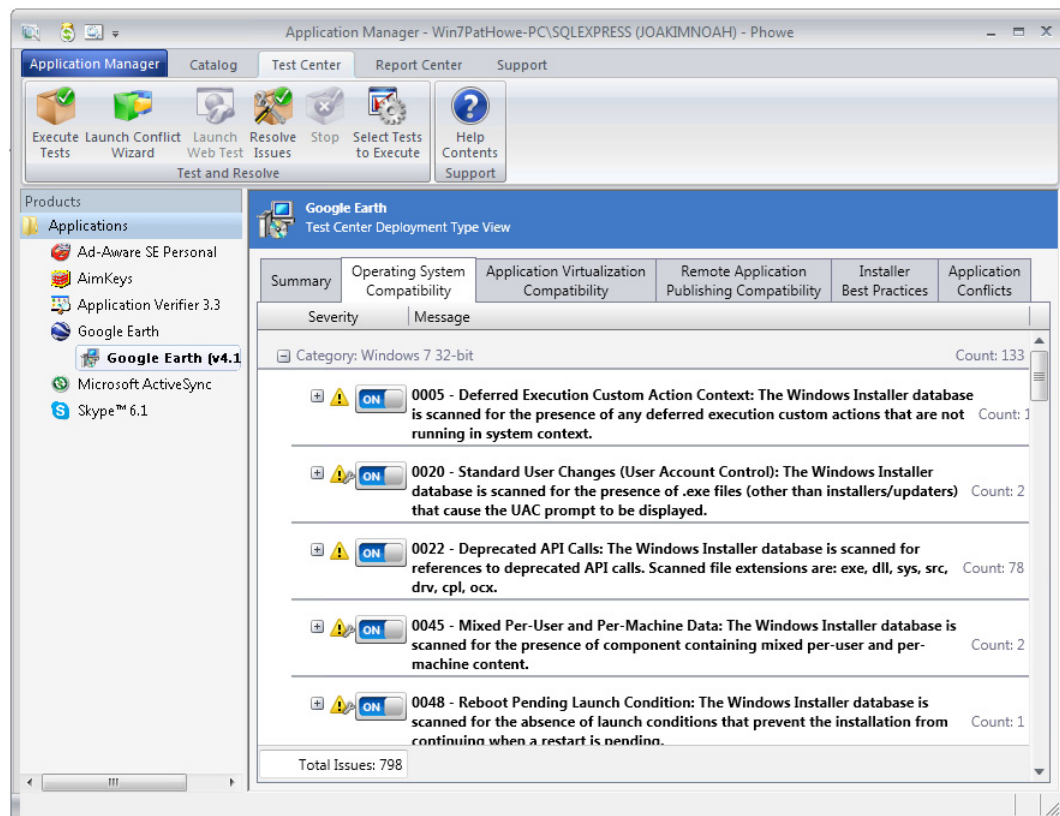


Figure 20: Operating System Compatibility Tab of Test Center Deployment Type View

Reorganization and Renaming of Best Practices Tests

In AdminStudio 2013, the test category previously named **Virtualization and Windows Installer Best Practices Tests** has been renamed to **Installer Best Practices**. This category now includes the following subcategories of tests:

- Windows Installer Internal Consistency Evaluators
- Windows Installer Best Practices
- Microsoft App-V Best Practices

The **Remote Desktop Services** test subcategory that was previously in the “best practices” test category has been separated into its own category entitled **Remote Application Publishing Compatibility**, as described in [Separation of Remote Desktop Services Test Results](#).

Separation of Remote Desktop Services Test Results

Previously the **Remote Desktop Services** tests were grouped with the **Virtualization and Windows Installer Best Practices** tests.

In AdminStudio 2013, these tests have been moved into a new category entitled **Remote Application Publishing Compatibility**, and the test results are listed on a new tab in the **Test Center View**.

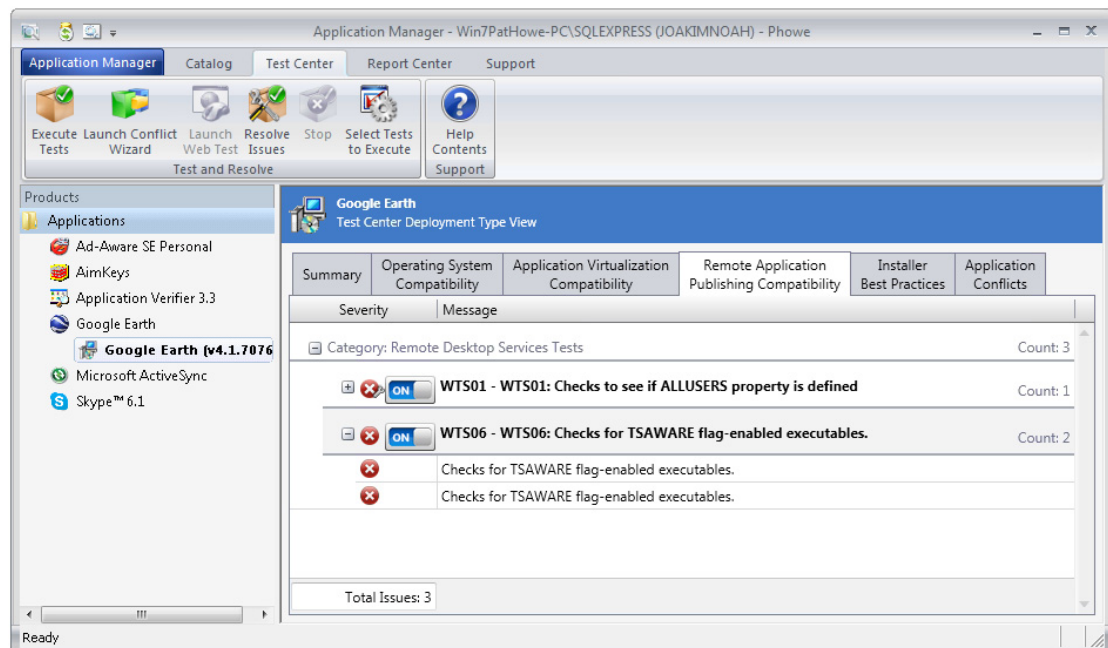


Figure 21: Remote Application Publishing Compatibility Tab

Additional Operating System Compatibility Tests

In AdminStudio 2013, the following additional operating system compatibility tests are available:

- [Unsigned Executables \(0052, 0152, 0252, 0352, 0452, 0552\)](#)
- [Unsigned Windows Installer Database \(0053, 0153, 0253, 0353, 0453, 0553\)](#)
- [Windows Desktop Gadgets \(0354, 0454\)](#)



Note • For additional information, see *Test Center Tests in the AdminStudio 2013 Help Library*.

Unsigned Executables (0052, 0152, 0252, 0352, 0452, 0552)

During this test, the Windows Installer database is scanned for the presence of unsigned executables. Scanned file extensions are: .exe, .dll, .ocx, and .cab. According to Microsoft best practices, all binaries should be digitally signed with a certificate issued by a Trusted Publisher. The Trusted Publisher's certificate store contains information about the Authenticode (signing) certificates of Trusted Publishers that are installed on a computer. Unsigned executables will prompt the user for authorization.

Tests are included for the following test categories:

- Windows 7 (32-bit and 64-bit)
- Windows 8 (32-bit and 64-bit)
- Windows Server 2008 R2
- Windows Server 2012

Unsigned Windows Installer Database (0053, 0153, 0253, 0353, 0453, 0553)

During this test, the Windows Installer database is scanned for signing with a trusted certificate. All Windows Installer databases should be digitally signed with a certificate issued by a Trusted Publisher. Unsigned Windows Installer databases will prompt the user for authorization.

Tests are included for the following test categories:

- Windows 7 (32-bit and 64-bit)
- Windows 8 (32-bit and 64-bit)
- Windows Server 2008 R2
- Windows Server 2012

Windows Desktop Gadgets (0354, 0454)

During this test, the Windows Installer database is scanned for the presence of Windows Desktop Gadgets. Since Windows 8, Microsoft has deprecated Desktop Gadgets and outclassed them by new live tiles and apps. The main reasons for the deprecation are security risks and the outdated look of Desktop Gadgets.

Tests are included for the following test categories:

- Windows 8 (32-bit and 64-bit)

Citrix XenApp Server Support

AdminStudio 2013 now supports the Citrix XenApp Server distribution system:

- [Distribution of Citrix XenApp and App-V 4.x Packages to Citrix XenApp Server](#)
- [View Citrix XenApp Server Deployment Data in Application Manager](#)

Distribution of Citrix XenApp and App-V 4.x Packages to Citrix XenApp Server

In AdminStudio 2013, you can now publish both Citrix XenApp and App-V 4.x packages to a Citrix XenApp Server.

After you define a named connection to a Citrix XenApp server (as described in [Support for Multiple Named Connections to Distribution Systems](#)), you will be able to select your Citrix XenApp server on the **Target Server Details** panel of the **Distribution Wizard**.

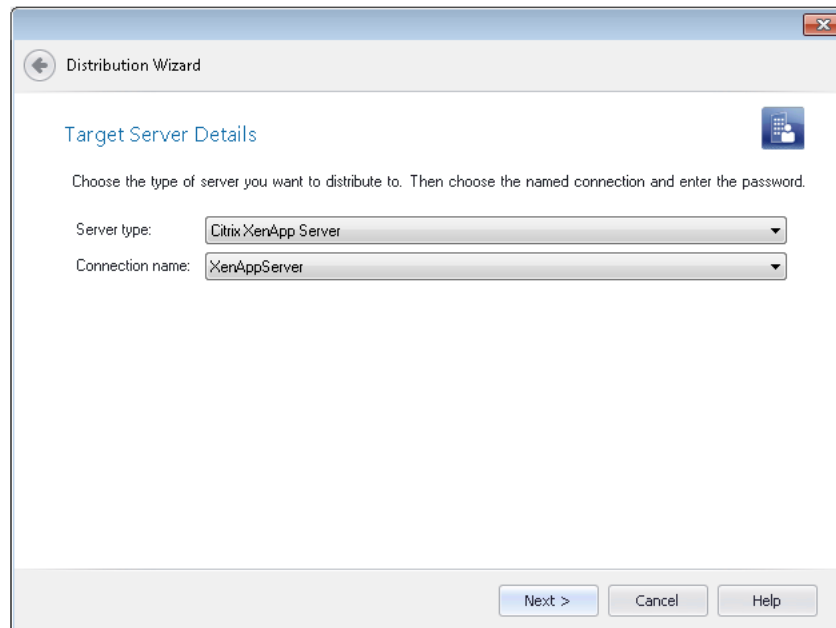


Figure 22: Selecting a Citrix XenApp Server on Target Server Details Panel

View Citrix XenApp Server Deployment Data in Application Manager

After you define a named connection to a Citrix XenApp server (as described in [Support for Multiple Named Connections to Distribution Systems](#)), the **XenApp Deployment Data** tab is displayed in the **Catalog Deployment Type View**, listing Citrix XenApp data for the selected Citrix XenApp profile or App-V 4.x package.

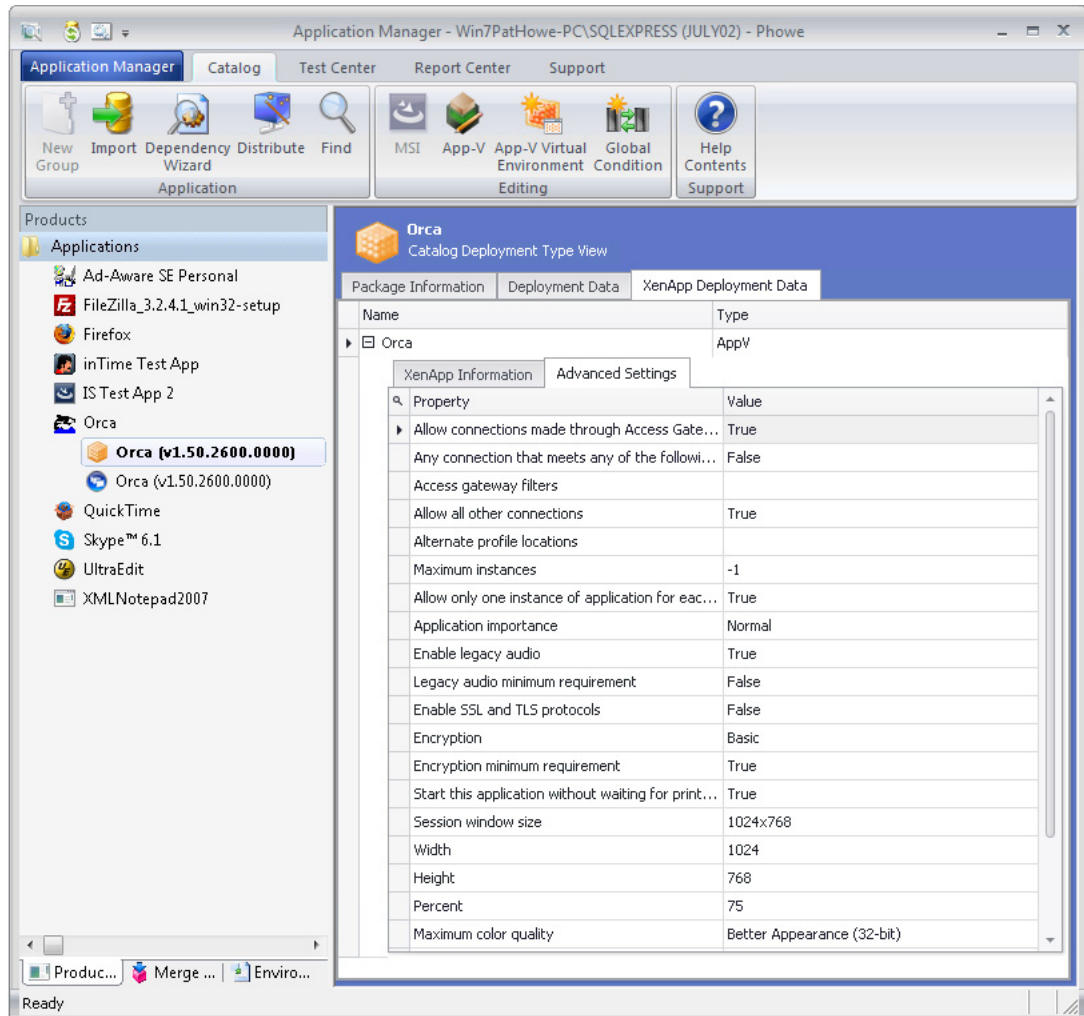


Figure 23: XenApp Deployment Data Tab of Catalog Deployment Type View

The **XenApp Deployment Data** tab includes two subtabs: **Advanced Settings** and **XenApp Information**.

Integration With Virtual Desktop Assessment Tool

AdminStudio 2013 is now integrated with the AdminStudio Virtual Desktop Assessment tool, which monitors the behavior of computers, users and applications to provide full visibility into your desktop environment. You can use this information to assist you to effectively plan and reduce costs when implementing a desktop virtualization initiative.

The Virtual Desktop Assessment virtual appliance collects a complete application inventory that includes:

- CPU, RAM, storage and disk IO, graphics and other resources used by each application
- Usage of each application, including user count, load time and total use time
- Services and device drivers required by each application
- External devices such as printers and scanners

Using the reports that Virtual Desktop Assessment generates based on this data, you can plan your desktop virtualization project.

AdminStudio's integration with Virtual Desktop Assessment includes the following features:

- [Virtual Desktop Assessment Limited Edition](#)
- [Connecting AdminStudio with Virtual Desktop Assessment](#)
- [Sharing an Application Catalog Database with Virtual Desktop Assessment](#)
- [Application Virtualization Compatibility Tests Include Virtual Desktop Analysis](#)
- [Virtual Desktop Assessment Test Results Displayed in Test Center](#)

Virtual Desktop Assessment Limited Edition

AdminStudio is shipped with a Limited Edition of AdminStudio Virtual Desktop Assessment. All of the Virtual Desktop Assessment features are available in the limited edition, but the number of users is limited to 100.

If your company has a network of more than 100 users, you should install the Virtual Desktop Assessment agent only on the computers of 100 users. If the agent is installed on the computers of more than 100 users, only the first 100 users will be registered. While data will be collected for all users that have the agent installed, only data on the first 100 users will be reported.

Connecting AdminStudio with Virtual Desktop Assessment

AdminStudio communicates with AdminStudio Virtual Desktop Assessment via the Flexera Service Gateway. After you install the Flexera Service Gateway, and have installed both AdminStudio and Virtual Desktop Assessment, just connect both products to the same installation of the Flexera Service Gateway.

Sharing an Application Catalog Database with Virtual Desktop Assessment

In order for AdminStudio and Virtual Desktop Assessment to communicate and share package data, you need to identify a shared Application Catalog database that both products can access. Virtual Desktop Assessment will connect to Application Catalog to obtain package data from AdminStudio, while AdminStudio will connect to the Application Catalog to obtain test results from Virtual Desktop Assessment.

You identify the shared Application Catalog on the **AdminStudio Services via FSG** tab of the Application Manager **Options** dialog box:

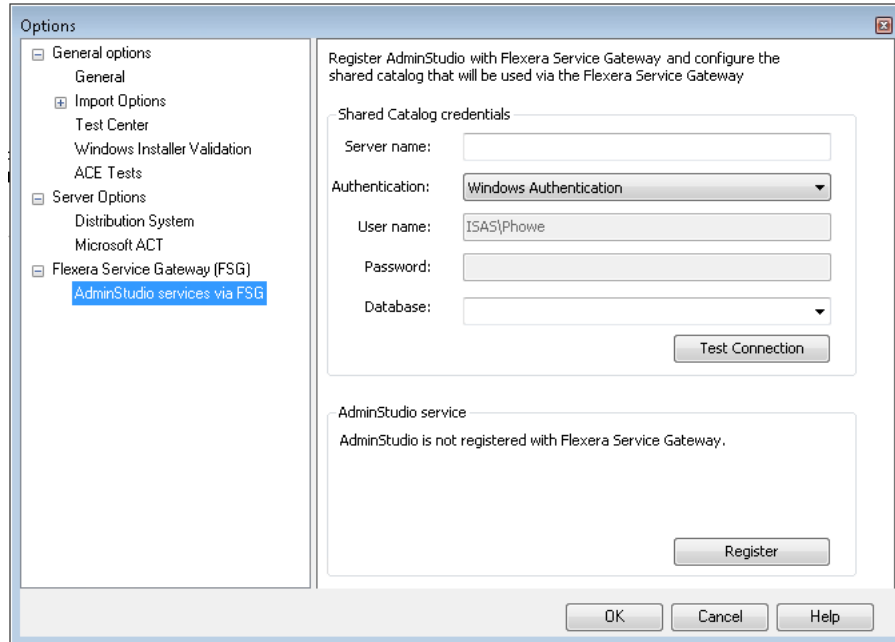


Figure 24: Specifying a Shared Application Catalog Database

Application Virtualization Compatibility Tests Include Virtual Desktop Analysis

New application virtualization compatibility tests have been added to the Test Center test suite to determine whether a Windows Installer package is a suitable candidate for conversion to a virtual desktop.

These Virtual Desktop Analysis tests are found in the **Application Runtime Analysis** subcategory of the **Application Virtualization Compatibility** test category.

Virtual Desktop Assessment Test Results Displayed in Test Center

Test results from Virtual Desktop Assessment analyses are displayed in Test Center on the **Application Virtualization Compatibility** tab.

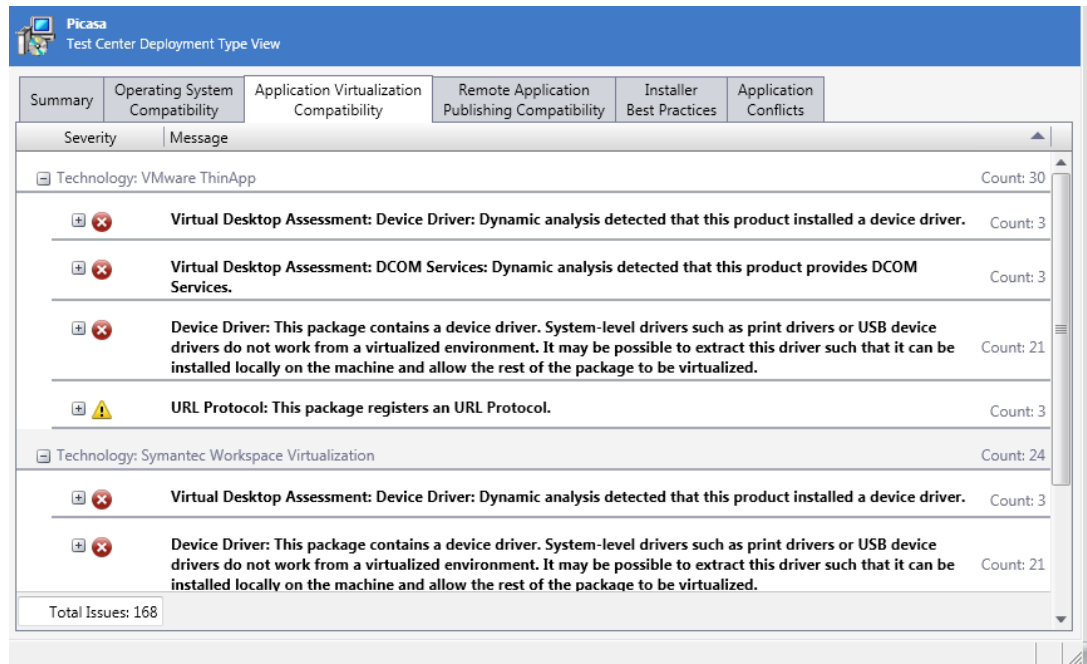


Figure 25: Virtual Desktop Assessment Test Results

AdminStudio Host Process

Starting with AdminStudio 2013, most of Application Manager's core functionality now resides in the AdminStudio Host Process, separate from its user interface.

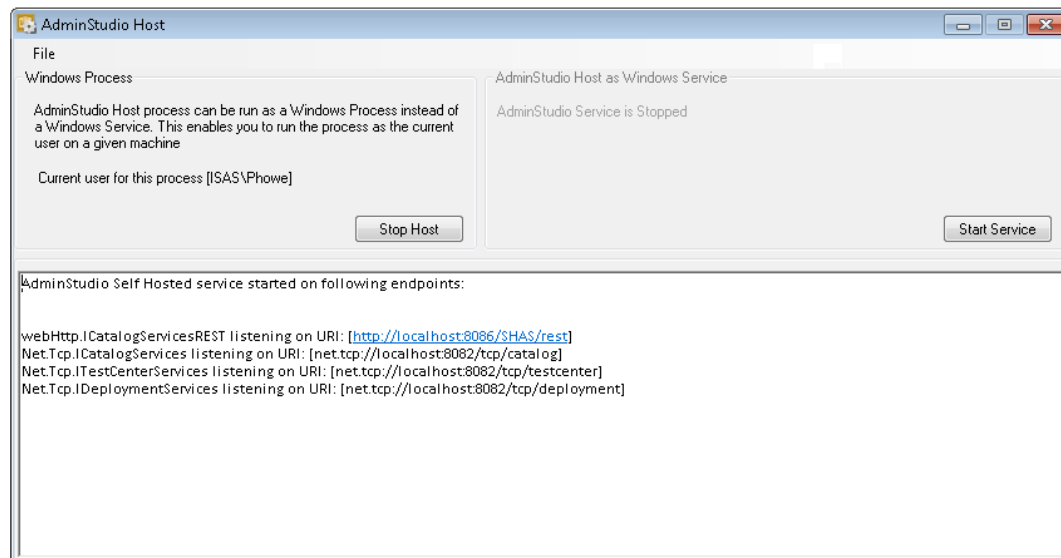


Figure 26: AdminStudio Host Dialog Box

Using a host process gives AdminStudio better scalability and enables the development of clients that use Application Manager's core functionality. For example the Application Manager user interface and the Platform PowerShell APIs are now clients to this AdminStudio Host process.



Important • *AdminStudio Host must be running in order to use Application Manager or the Platform API.*

Ability to Run as a Windows Process or a Windows Service

AdminStudio Host can run either as a standalone Windows Process (the default setting) or as a Windows Service running under a given account (which is, by default, the LocalSystem user account).

- **Run as Windows Process to use Windows Authentication**—It is more advantageous to run AdminStudio Host as a Windows Process than as a Windows Service because, while running as a current user, any code executed by this server component will run under the current user's context. This enables Application Manager to use Windows Authentication to automatically connect to System Center Configuration Manager, a System Center Configuration Manager publishing location, or an SQL Server.
- **Run as a Windows Service to configure Application Manager as a server application**—If you set up Application Manager as a server application on a server machine, you could then run AdminStudio Host as a Windows Service using one central user account, eliminating the need for user logins.



Note • *The ability to set up Application Manager as a server application will be included in a future release.*

New Platform API Commands

AdminStudio 2013 includes new Platform API commands to perform the following tasks:

- [Selecting Tests and Resolving Issues](#)
- [Creating and Upgrading Application Catalogs](#)
- [Deleting Packages, Applications, and Groups](#)

Selecting Tests and Resolving Issues

AdminStudio 2013 includes the following Platform API commands to enable test selection and to resolve issues:

- [Get-ASTestState](#)
- [Set-ASTestState](#)
- [Resolve-ASPackage](#)

Get-ASTestState

You can use the `Get-ASTestState` command to return the test state (selected or not selected) of a given test.

Example

The following is the syntax used to return the test state of a given test:

```
Get-ASTestState -TestId nnnnn
```

For example:

```
Get-ASTestState -TestId ICE33
```

Parameters

The `ASTestState` command has the following parameters:

Table 2 • `ASTestState` Parameters

Parameter	Description
TestId	Use to specify the ID number of the test that you are checking the test state of. This is the same ID number that identifies the test on the Application Manager Select Tests to Execute dialog box.

Return Values

One of the following values is returned:

- **True**—Test is selected to run.
- **False**—Test is not selected to run.

Set-ASTestState

You can use the Set-ASTestState command to set a given test to either run or not run.

Example

The following is the syntax used to specify whether or not a test will run:

```
Set-ASTestState -TestId nnnn -TestState 0
```

For example:

```
Set-ASTestState -TestId 0401 -TestState 0
```

Parameters

The ASTestState command has the following parameters:

Table 3 • ASTestState Parameters

Parameter	Description
TestId	Use to specify the ID number of the test whose test state you want to set. This is the same ID number that identifies the test on the Application Manager Select Tests to Execute dialog box. (Required)
TestState	(Required) Use one of the following values to specify a test state: <ul style="list-style-type: none"> ● 1 = Select test ● 0 = Clear the selection of the test

Returns

One of the following values is returned:

- **True**—Operation was successful.
- **False**—Operation was not successful.

Resolve-ASPackage

You can use the `Resolve-ASPackage` command to run application compatibility fixes on a package. This only picks up issues that are fixable. This will also return the path to fix transform that was produced, so the user can start a re-import.

Example

The following is the syntax used to run application compatibility fixes on a package:

```
Resolve-ASPackage -PackageRowId nn -DetailedResults
```

For example:

```
Resolve-ASPackage -PackageRowId 45 -DetailedResults
```

Parameters

The `Resolve-ASPackage` command has the following parameters:

Table 4 • Resolve-ASPackage Parameters

Parameter	Description
PackageId	Specifies the package ID for the package on which fixes need to be run. (Required)
[DetailedResults]	Returns detailed results of the operation. If this parameter is not used, the <code>Resolve-ASPackage</code> command returns a summary of the operation. (Optional)

Returns

Either a summary of results or detailed results are returned, depending upon whether the `-DetailedResults` parameter was used.

Creating and Upgrading Application Catalogs

AdminStudio 2013 includes the following Platform API commands to enable creating new Application Catalogs and upgrading existing Application Catalogs:

- [New-ASCatalog](#)
- [Set-ASCatalog](#)

New-ASCatalog

You can use the `New-ASCatalog` command to create a new Application Catalog.

Examples

The following is the syntax used to create a new Application Catalog:

```
New-ASCatalog -CatalogName NameOfNewCatalog
```

For example:

```
New-ASCatalog -CatalogName CAT2013FEB
```



Important • When AdminStudio executes the `New-ASCatalog` command, it uses the `upgrade.xml` file, which contains a list of the SQL scripts that need to be run to create a new Application Catalog. By default, the `upgrade.xml` file is installed in the `Support` subdirectory of the AdminStudio installation directory. If you want to create a new Application Catalog using an `upgrade.xml` file in a different location, you need to provide the path to that file in the `New-ASCatalog` command line, such as:

```
New-ASCatalog C:\MyScripts -CatalogName MyNewCatalog
```



Note • Before using the `New-ASCatalog` command to create a new Application Catalog, you need to have already used the `Set-ASConfigPlatform` command with the `ConnectionString` parameter to enter the connection information to the SQL database.

Parameters

The `New-ASCatalog` command has the following parameters:

Table 5 • New-ASCatalog Parameters

Parameter	Description
CatalogName	Use to enter a name for the new Application Catalog. Upon successful creation, you will be automatically connected to the new Application Catalog.
[UseSoftwareRepository]	Use to enable the software repository in the new Application Catalog. This parameter requires you to also supply the user name, password, and path to the repository. for example: <pre>New-ASCatalog -CatalogName mycatalog -UseSoftwareRepository SoftwareRepositoryUser=JoeSmith; SoftwareRepositoryPassword=mypassword123; SoftwareRepositoryPath=C:\MyRepository;</pre>
[IsSubscriber]	Use if you are creating a new SQL Server database which is intended for use as a Subscriber for Application Catalog Replication.

Set-ASCatalog

You can use the `Set-ASCatalog` command to upgrade an existing Application Catalog from one version to another.

Before using the `Set-ASCatalog` command to upgrade an existing Application Catalog, you first need to identify and connect to that Application Catalog using the [Set-ASConfigPlatform](#) command with the `ConnectionString` parameter.

Examples

The following is the syntax used to upgrade an existing Application Catalog:

```
Set-ASCatalog
```

When the `Set-ASCatalog` command is executed, AdminStudio detects the version of the connected Application Catalog and upgrades it to the latest version listed in the `upgrade.xml` file.

The `Set-ASCatalog` command includes the following parameters:

Table 6 • Set-ASCatalog Parameters

Parameter	Description
[ScriptPath]	<p>When AdminStudio executes the <code>Set-ASCatalog</code> command, it uses the <code>upgrade.xml</code> file, which contains a list of the SQL scripts that need to be run to upgrade an Application Catalog. By default, the <code>upgrade.xml</code> file is installed in the <code>Support</code> subdirectory of the AdminStudio installation directory. If you want to upgrade an Application Catalog using an <code>upgrade.xml</code> file in a different location, you need to use this parameter to provide the path to that file:</p> <pre>Set-ASCatalog -ScriptPath C:\MyScripts</pre>

Deleting Packages, Applications, and Groups

AdminStudio 2013 includes the following Platform API commands to delete packages, applications, and groups:

- [Remove-ASPackage](#)
- [Remove-ASApplication](#)
- [Remove-ASGroup](#)

Remove-ASPackage

You can use the `Remove-ASPackage` command to delete a package using its `PackageId`.



Note • *The `Remove-ASPackage` command removes the linked packages and applications as well as the targeted packages and applications for each respective operation.*

Example

The following is the syntax used to delete a package:

```
Remove-ASPackage PackageID
```

For example:

```
Remove-ASPackage 895
```

Returns

One of the following values is returned:

- **0**—Success. The delete operation completed successfully.
- **1**—Insufficient access rights. Permission to **Delete** is not available.
- **2**—Object is locked. The group contains locked virtual packages. You will need to unlock the virtual packages in order to delete the group.
- **3**—General failure. Operation did not complete successfully.
- **4**—Protected group. The deletion of protected groups is prohibited.
- **5**—Item not found. The requested item could not be deleted because it could not be found.

Remove-ASApplication

You can use the `Remove-ASApplication` command to delete a package using its `ApplicationId`.



Note • *The `Remove-ASApplication` command removes the linked packages and applications as well as the targeted packages and applications for each respective operation.*

Example

The following is the syntax used to delete an application:

```
Remove-ASApplication ApplicationId
```

For example:

```
Remove-ASApplication 1732
```

Returns

One of the following values is returned:

- **0**—Success. The delete operation completed successfully.
- **1**—Insufficient access rights. Permission to **Delete** is not available.
- **2**—Object is locked. The group contains locked virtual packages. You will need to unlock the virtual packages in order to delete the group.
- **3**—General failure. Operation did not complete successfully.
- **4**—Protected group. The deletion of protected groups is prohibited.
- **5**—Item not found. The requested item could not be deleted because it could not be found.

Remove-ASGroup

You can use the `Remove-ASGroup` command to delete a group using its GroupID.



Note • The `Remove-ASGroup` command removes the linked packages and applications as well as the targeted packages and applications for each respective operation.

Example

The following is the syntax used to delete a group:

```
Remove-ASGroup GroupID
```

For example:

```
Remove-ASGroup 231
```

Returns

One of the following values is returned:

- **0**—Success. The delete operation completed successfully.
- **1**—Insufficient access rights. Permission to **Delete** is not available.
- **2**—Object is locked. The group contains locked virtual packages. You will need to unlock the virtual packages in order to delete the group.
- **3**—General failure. Operation did not complete successfully.
- **4**—Protected group. The deletion of protected groups is prohibited.
- **5**—Item not found. The requested item could not be deleted because it could not be found.

Upgrading App-V 4.x Packages to App-V 5.0 Format

You can use the new `Invoke-ASAppVUpgrade` and `Invoke-ASAppVBulkUpgrade` Platform API commands to upgrade either an individual App-V 4.5 or 4.6 package or a group of App-V 4.5 or 4.6 packages to App-V 5.0 format.

The following are examples of these two commands:

```
Invoke-ASAppVBulkUpgrade -GroupId 1
```

```
Invoke-ASAppVUpgrade -PackageId 425
```

Ability to Execute All Selected Tests Using Test-ASPackage

You can now use the `Test-ASPackage` command to execute all appropriate compatibility and best practices Test Center tests on a package. Previously, you had to use `Test-ASCompatibility` to run compatibility tests and `Test-ASValidate` to run best practices tests.

Ability to Specify Named Connections to Deployment Systems Using the -ConnectionName Parameter

Instead of having to specify multiple connection parameters in commands (System, SystemServer, SystemResource, UserName, Password), you can now use the -ConnectionName parameter and simply enter a connection name that you have defined on the **Distribution System** tab of the Application Manager **Options** dialog box, as described in [Support for Multiple Named Connections to Distribution Systems](#).

For example, in AdminStudio 11.5 SP2, this is how you specified a connection to a System Center 2012 Configuration Manager server in the Invoke-ASImportAppFromDeploymentSystem command:

```
Invoke-ASImportAppFromDeploymentSystem -System SCCM2012 -SystemServer 177.33.44.555  
-SystemResource TL1 -UserName MyDomain\JohnSmith -Password mypassword101  
-SystemDeploymentID 16778779 -TargetASGroupPath "\\Applications\MyGroup\"
```

In AdminStudio 2013, you can now just use the -ConnectionName parameter, which produces a much simpler command:

```
Invoke-ASImportAppFromDeploymentSystem -ConnectionName SCCM2012 -SystemDeploymentID  
16778779 -TargetASGroupPath "\\Applications\MyGroup\"
```

Ability to Set Additional Package Properties Using Set-ASProperty

You can now use the Set-ASProperty command to set additional package deployment type properties, including many properties that are displayed on the **Package Information** tab of the **Catalog Deployment Type View**. These new properties include:

- Manufacturer
- Administrator Comments
- Software Version
- Language
- File
- Date Imported
- Package Code
- Product Code
- Upgrade Code
- Original File
- Original Package Name
- Modified Package Name
- Last Modified Date
- Package Deployment Type

OS Snapshot Wizard Support for 64-Bit Operating Systems

In AdminStudio 2013, you can now use the OS Snapshot Wizard to capture 64-bit operating systems, including Windows 8.

Support for Time-Limited License Files and Subscription Licensing

AdminStudio 2013 includes several new licensing options:

- [Time-Limited License Files](#)
- [Subscription Licensing](#)

Time-Limited License Files

AdminStudio 2013 now offers time-limited license files, with a 6-month and a 12-month option.

Subscription Licensing

AdminStudio 2013 now offers a subscription licensing model.

- **License options**—You have the option of implementing your subscription license with certificate (machine-based) licenses, a license server/license file, or using an expiring activation method.
- **Terms**—The subscription term can be either one, two or three years. However, for service providers, we will also provide a month-by-month subscription. When the term is over, the product will revert to the expired evaluation mode, prompting the user to activate the product.

InstallShield 2013



Edition • *InstallShield 2013 Professional Edition is shipped with AdminStudio 2013 Standard and Professional Editions. InstallShield 2013 Premier Edition is shipped with AdminStudio 2013 Enterprise Edition.*

InstallShield is the industry standard for authoring high-quality Windows Installer- and InstallScript-based installations, as well as Microsoft App-V packages. AdminStudio 2013 includes InstallShield 2013, which offers new features and enhancements that make it easy to use the latest technologies. New features include:

- Ability to Create Run-Time Actions That Extend the Behavior of a Suite/Advanced UI Installation
- Support for Enabling Windows Roles and Features During a Suite/Advanced UI Installation
- Ability to Create Advanced UI and Suite/Advanced UI Project Templates
- New Built-in Template Available for Creating Installations that Install Multi-tier Applications

- New InstallShield Prerequisites for .NET Framework 3.5 SP1, Microsoft Visual C++ 2012, and SQL Server 2008 R2 Express SP2
- New Application Virtualization Suitability Tests
- Support for Creating Microsoft App-V 5.x Packages
- New Property Comparison Type of Condition Check; New Property for Determining the Install Mode for Suite/Advanced UI and Advanced UI Projects
- Ability to Build Pure 64-Bit .msi and .msm Packages; New Build-Time Architecture Validation
- Validation for the Windows 8 Logo Program
- Improvements for Configuring Shortcuts on the Latest Platforms; InstallScript Language Improvements for Shortcut Creation
- Usability Improvements for Customizing the Wizard Interface in Advanced UI and Suite/Advanced UI Projects
- Support for Defining Font Sets with Optional Language-Specific Choices for Advanced UI and Suite/Advanced UI Projects
- New Services View
- New Wizard Format for the Suite/Advanced UI and Advanced UI Wizard Interface
- Automation Interface Enhancement: New OnUpgrade Property for Minor Upgrades and Small Updates

For detailed information on the new features and enhancements in InstallShield 2013, select **Release Notes** on the InstallShield **Help** menu. You can also see the [InstallShield 2013 Release Notes](http://www.flexerasoftware.com/webdocuments/PDF/ReleaseNotes-IS2013-PRE-PRO.pdf) on the Flexera Software website at:

<http://www.flexerasoftware.com/webdocuments/PDF/ReleaseNotes-IS2013-PRE-PRO.pdf>

Components/Editions

AdminStudio 2013 is available in Standard, Professional, and Enterprise Editions. You can also purchase an additional Application Virtualization Pack, Application Compatibility Pack (with or without a Batch Testing option), and Mobile Pack.

Edition	Add On Pack	Tools	Functionality
Standard	<i>None</i>	<ul style="list-style-type: none"> ● Repackager ● Distribution Wizard ● InstallShield 2013 (Professional Edition) ● Tuner ● Application Isolation Wizard 	<ul style="list-style-type: none"> ● Windows Installer repackaging ● Windows Installer customization ● Preparation for distribution ● Basic ISO tagging, including creation of tag files
	Application Virtualization Pack	<ul style="list-style-type: none"> ● Automated Application Converter (Single Application Version) ● Virtual Package Editor ● Microsoft App-V Assistant ● ThinApp Assistant ● Citrix Assistant 	<ul style="list-style-type: none"> ● Convert packages to virtual applications for common virtualization platforms including Microsoft App-V (4.x and 5.0), Microsoft Server App-V, Citrix XenApp, VMware ThinApp, and Symantec Workspace. ● App-V package editing
Professional	<i>None</i>	Same as Standard , plus: <ul style="list-style-type: none"> ● Application Manager with Test Center ● OS Snapshot Wizard ● QualityMonitor 	Same as Standard , plus: <ul style="list-style-type: none"> ● Application management ● Test Center includes tests in the following categories: <ul style="list-style-type: none"> ● Windows Installer Internal Consistency Evaluators ● Windows Installer Best Practices ● Application Conflicts ● Test Center includes the following features: <ul style="list-style-type: none"> ● Ability to test and fix multiple packages at a time. ● Both summary and detailed views of group and package test results. ● Advanced ISO tag file creation, editing, and storage

Edition	Add On Pack	Tools	Functionality
Professional (Continued)	Application Virtualization Pack	Same as Standard , plus: <ul style="list-style-type: none"> Automated Application Converter (Single Application Version) with Virtualization Suitability Testing 	Same as Standard , plus: <ul style="list-style-type: none"> Import of virtual packages into Application Catalog. Ability to view virtual package data in Application Manager. Automated conversion of legacy packages to Windows Installer packages. Test Center includes tests in the following categories: <ul style="list-style-type: none"> Application Virtualization Compatibility Microsoft App-V Best Practices Test Center includes the following additional features: <ul style="list-style-type: none"> App-V package best practices testing App-V package conflict testing
	Application Compatibility Pack	<ul style="list-style-type: none"> <i>Enhanced Test Center</i> 	<ul style="list-style-type: none"> Test Center includes additional tests in the Operating System Compatibility category: <ul style="list-style-type: none"> Microsoft Windows 7 (32-bit and 64-bit) Windows 8 (32-bit and 64-bit) Windows Server 2008 R2 Windows Server 2012 In Test Center, you can display Microsoft Application Compatibility Toolkit (ACT) database test results on ACT Summary tab of the Test Center Deployment Type View. Test Center provides limited functionality when performing Operating System Compatibility testing: <ul style="list-style-type: none"> You can test and fix only one package at a time. On the Operating System Compatibility tab of the Test Center Deployment Type View, you can see detailed data for only the last package tested; for all other packages in the Application Catalog, this tab is blank.

Edition	Add On Pack	Tools	Functionality
Enterprise	<i>None</i>	<p>Same as Professional, plus:</p> <ul style="list-style-type: none"> ● InstallShield 2013 (Premier Edition instead of Professional Edition) ● AdminStudio Virtual Desktop Assessment (Limited Edition) ● Application Manager Report Center Tab ● OS Security Patch Wizard ● Software Repository ● Job Manager ● Report Center ● Security Console ● Platform API 	<p>Same as Professional, plus:</p> <ul style="list-style-type: none"> ● Report Center tab provides advanced reporting including detailed summary and dashboard reports on Test Center test results, package data, and deployment information. ● Process and workgroup management feature ● AdminStudio Virtual Desktop Assessment tool provides the following additional features: <ul style="list-style-type: none"> ● Monitors the behavior of computers, users, and applications in your enterprise and gathers data to provide full visibility into your desktop environment. ● Virtual Desktop Assessment reports are displayed in Test Center, which you can use to plan your desktop virtualization initiative. ● Test Center includes additional tests in the Application Runtime Analysis subcategory of the Application Virtualization Compatibility test category to determine whether a Windows Installer package is a suitable candidate for conversion to a virtual desktop. ● You can use the AdminStudio Platform API to integrate your existing .NET applications or scripting environments like Microsoft PowerShell with AdminStudio. The AdminStudio Platform exposes the core tasks involved in the application readiness process lifecycle.

Edition	Add On Pack	Tools	Functionality
Enterprise (Continued)	Application Virtualization Pack	Same as Professional , plus: <ul style="list-style-type: none"> ● Automated Application Converter (Multiple Application Version) with Virtualization Suitability Testing ● AdminStudio Server App-V Package Creation Wizard 	Same as Professional , plus: <ul style="list-style-type: none"> ● Automated conversion of multiple packages to virtual applications ● Automated conversion of multiple legacy packages to Windows Installer ● Ability to create and manage Microsoft Server App-V applications and distribute them to Microsoft System Center Virtual Machine Manager ● Report Center tab includes the Application Virtualization Compatibility Dashboard. Also, Report Center's Application Readiness Dashboard includes App-V virtualization readiness status.


Edition	Add On Pack	Tools	Functionality
Enterprise (Continued)	Application Compatibility Pack	<ul style="list-style-type: none"> • <i>Enhanced Test Center</i> 	<p>Same as Professional, plus:</p> <ul style="list-style-type: none"> • Import of web applications into the Application Catalog • Test Center includes additional tests in the Browser Compatibility category: <ul style="list-style-type: none"> • Internet Explorer 8 • Internet Explorer 9 • Internet Explorer 10 • Can display Microsoft ACT database test results in a report on the Report Center tab. <p>Application Compatibility Pack Batch Testing Option</p> <p>If you purchase the Application Compatibility Pack on the Per User license model or with the Batch Testing license option, you will have this additional functionality:</p> <ul style="list-style-type: none"> • When performing Operating System Compatibility and Browser Compatibility testing, you will be able to test and fix multiple packages or groups of packages simultaneously. • Ability to view package-level test details for Operating System Compatibility and Browser Compatibility tests for all packages in the Application Catalog, not just the last one tested. • Ability to use the Test-ASPackage and Resolve-ASPackage Platform API commands to perform batch package testing and issue resolution.
	Mobile Pack	<ul style="list-style-type: none"> • <i>Enhanced Application Manager</i> • <i>Enhanced Distribution Wizard</i> 	<ul style="list-style-type: none"> • Import of Apple iOS applications (.ipa), Apple firmware packages (.ipsw), and Microsoft Windows Store applications (.appx) into Application Catalog • Ability to publish mobile applications to System Center 2012 Configuration Manager SP1 • Ability to view deployment data for Windows Store applications, including detection methods and framework customizations

System Requirements

This section lists the requirements for AdminStudio client tool machine, Application Catalog database server, Web server, Software Repository server, and virtual machines.

AdminStudio Client Tool Machine

The following table lists the recommended system configuration for a machine running the AdminStudio client tools.

Item	Description
Platform	32-bit or 64-bit processor at 2 GHz or greater  Note • All of the AdminStudio client tools run on 64-bit Windows operating systems. To repackage 64-bit applications or create 64-bit App-V packages, install AdminStudio on a 64-bit Windows operating system.
RAM	4 GB
Hard Disk	4.0 GB
Display	Designed for XGA at 1024 x 768 resolution or higher
Operating System	Windows 8, Windows 7, or Windows Vista
Browser	Microsoft Internet Explorer 7.0 or later
Privileges	Administrative privileges on the system

Application Catalog Database Server

The following table lists the recommended system configuration for a database server to store AdminStudio Application Catalog databases.

Item	Description
Platform	32-bit or 64-bit processor at 2 GHz or greater
RAM	4 GB or greater (8 GB preferred)
Hard Disk Space	80 GB or greater
Operating System	Windows Server 2008 R2 or later (Windows Server 2012 preferred)
Database Software	<p>SQL Server 2008 R2 or later databases, including SQL Server 2012 (latest version preferred).</p> <ul style="list-style-type: none"> • SQL Server must be installed with case-insensitive dictionary sort order and ISO-8859-1 character set. (Use <code>sp_helpsort</code> T-SQL command for more information.) • [NEW] SQL_Latin1_General_CP1_CI_AS is the required collation setting for AdminStudio database server. It is the only supported collation.




Note • Before attempting to connect to an existing Microsoft SQL Server, open SQL Server Configuration Manager and make sure that the following three protocols are enabled:

- Shared Memory
- Named Pipes
- TCP/IP

AdminStudio Enterprise Server / Workflow Manager Server

The following table lists the recommended system configuration for a machine running the AdminStudio Enterprise Server tools (Security Console, Report Center, Job Manager) and/or Workflow Manager.

Item	Description
Platform	32-bit or 64-bit processor at 2 GHz or greater
	 <p>Note • AdminStudio Enterprise Server / Workflow Manager runs in 32-bit mode on a 64-bit OS.</p>
RAM	4 GB or greater (8 GB preferred)
Hard Disk Space	100 GB or greater
Operating System	Windows Server 2008 R2 or later
IIS	IIS 7.0 or later
.NET	.NET Framework 4.0
MSXML	MSXML 4.0

Software Repository

The following tables lists the recommended system configuration for the machine that stores the Software Repository files.

Item	Description
Processor	1 GHz or greater
RAM	2 GB or greater
Hard Disk Space	500 GB or greater
Operating System	Windows 8, Windows 7, Windows Vista, or Windows Server 2008 or later

Automated Application Converter Requirements

This section lists the requirements for the virtual machines used by Automated Application Converter to perform repackaging. Also, the software requirements for specific virtual technologies are listed.

- [Virtual Machine Requirements](#)
- [Virtual Technology Requirements](#)

Virtual Machine Requirements



Edition • *Automated Application Converter is included in the AdminStudio Application Virtualization Pack.*

Automated Application Converter performs automated repackaging on virtual machines. This section lists the virtual machine platform and virtual machine image system requirements.

- [Supported Virtual Machine Platforms](#)
- [VMware Requirements](#)
- [Microsoft Hyper-V Server Requirements](#)
- [Virtual Machine Image Requirements](#)

Supported Virtual Machine Platforms

The Automated Application Converter supports automated repackaging on virtual machines from the following platforms:

- VMware ESX/ESXi Server, Version 3.5 Update 3 or later
- VMware Workstation 6.5 or later
- Microsoft Hyper-V Server 2008 R2 or later

VMware Requirements

As described above, Automated Application Converter supports automated repackaging on VMware ESX/ESXi Server and VMware Workstation.

- [VMware VIX API Requirement](#)
- [VMware ESX/ESXi Server Permission Requirements](#)

VMware VIX API Requirement

In order for Automated Application Converter to perform automated repackaging, it needs to communicate with the virtualization technology that you are using. If you are using VMware virtualization technology (VMware ESX or ESXi Server or a local VMware Workstation), the VMware VIX API needs to be installed on the same machine as the Automated Application Converter. You can do this by either installing VMware Workstation on that machine or by downloading and installing the VMware VIX API from the following location:

<http://www.vmware.com/support/developer/vix-api>



Note • When using VMware Workstation, it is recommended that you install VMware Workstation on the same machine as Automated Application Converter so that Automated Application Converter will use the version of the VIX API that was designed for that specific version of VMware Workstation. Although it is likely that newer versions of the VIX API will also work, it seems that the best approach is for Automated Application Converter to use the version of the VIX API that was bundled with your version of VMware Workstation.

VMware ESX/ESXi Server Permission Requirements

If you plan to use a VMware ESX/ESXi Server in conjunction with Automated Application Converter, make sure that the account that you use to log in to this server has the permissions/roles needed to automatically open a VM using VMware VIX API. The account needs to either have an administrator role assigned or, at least, have the following three roles assigned:

- All Privileges/Virtual Machine/State/Create Snapshot
- All Privileges/Virtual Machine/State/Delete Snapshot
- All Privileges/Virtual Machine/Interaction/Console Interaction

If the login account does not have these permissions/roles, Automated Application Converter will be unable to automatically boot up a virtual machine on that server.

Microsoft Hyper-V Server Requirements

As described above, Automated Application Converter supports automated repackaging on Microsoft Hyper-V Server. When preparing a Hyper-V Server for use with Automated Application Converter, make sure that the following conditions are met:

- **Configuration tools**—Verify that the Hyper-V configuration tools are installed on the Hyper-V server machine. These tools can be installed using the Microsoft Hyper-V Management Console.
- **Connection**—Verify that you can successfully connect to the Hyper-V Server from the machine where AdminStudio Automated Application Converter is installed.
- **Permissions**—Make sure that the Hyper-V Server user has the following permissions to perform operations on the Hyper-V machines:
 - Permission to create/restore/delete VM snapshots
 - Permission to start and stop virtual machines
 - Permission to access console sessions
- **Configuration settings**—Connecting to a WMI namespace on a remote computer running Windows Vista or Windows Server 2008 may require changes to configuration settings. Check the following configuration settings on the AdminStudio machine as well as on the Hyper-V Server machine:
 - Windows Firewall Settings
 - User Account Control (UAC) Settings
 - DCOM Settings
 - Common Information Model Object Manager (CIMOM) Settings

For detailed information, see [Connecting to WMI Remotely](#) at:

[http://msdn.microsoft.com/en-us/library/aa822854\(VS.85\).aspx](http://msdn.microsoft.com/en-us/library/aa822854(VS.85).aspx)

Virtual Machine Image Requirements

Automated Application Converter uses virtual machines to perform automated repackaging. These virtual machines have the following requirements:

Virtual Machine System Requirements

When creating a virtual machine image that will be hosted on one of the virtual machine platforms listed above, the recommended minimum requirements should meet those required by the applications you are trying to repackage. Since you repackage on the target deployment platform, the virtual machine image should closely resemble the target deployment environment.

Preparing Your Virtual Machines for Use With the Automated Application Converter

You need to prepare each virtual machine that you are going to use with the Automated Application Converter to perform automated repackaging by running the Virtual Machine Preparation setup and by creating a snapshot. For instructions, see [Preparing Your Virtual Machines for Use With the Automated Application Converter](#).

Virtual Technology Requirements

In order to convert to some virtual formats, there are some software requirements:

Virtual Format	Requirement
App-V 5.0	<ul style="list-style-type: none"> • Conversion—To convert a package to App-V 5.0 format using Automated Application Converter's App-V 5.x with Sequencer method, the Microsoft Application Virtualization 5.0 Sequencer must be installed on the virtual machine where the conversion will take place. • Upgrade—To upgrade an imported App-V 4.x package to App-V 5.0 format directly from Application Manager using the App-V Upgrade Wizard, the Microsoft Application Virtualization 5.0 Sequencer must be installed on the same machine as AdminStudio. • Testing—To test an App-V package using Automated Application Converter, the Microsoft Application Virtualization 5.0 Client must be installed on the same machine as AdminStudio.
VMware ThinApp	To convert a package to VMware ThinApp format, VMware ThinApp must be installed on the same machine as AdminStudio, and all license agreements must have been accepted.
Symantec Workspace	To convert a package to a Symantec Workspace virtual package, the Symantec Workspace Virtualization Agent must be installed on the same machine as AdminStudio.

Downloading AdminStudio Installers

If you have the AdminStudio DVD, all of the AdminStudio installers are on the DVD and you can find them using the DVD Browser.

However, if you do not have the AdminStudio DVD, you can download the installers for AdminStudio, AdminStudio Service Packs, Standalone Repackager, Standalone Quality Monitor, and the FlexNet Licensing Server from the **Flexera Software Product and License Center**:

<http://flexerasoftware.subscribenet.com>

For information on using the Flexera Software Product and License Center, see the **Download and License Overview for AdminStudio**:

<http://www.flexerasoftware.com/downloads/instructions/productlicensing/en/adminstudio.htm>

AdminStudio 2013 Evaluation Restrictions

When you run AdminStudio in trial/evaluation mode, all of the features in the AdminStudio Enterprise Edition client tools are fully available, with the following restrictions:

- **Can create only one Application Catalog**—You are permitted to create only one Application Catalog, and it must be named `AdminStudio Evaluation Catalog`.
- **Ten package import limit**—Only 10 total packages (of one or more deployment types) can be imported into the Application Catalog.
- **Package deletion not permitted**—After you import a package into the Application Catalog, you are not permitted to delete it.
- **AdminStudio Platform API support is disabled**—All platform support is disabled.

Resolved Issues

The following table lists the customer issues that were resolved in AdminStudio 2013:

Issue Number	Issue Summary
IOA-000068791	When using the Distribution Wizard to publish an App-V package to SCCM, the manifest XML file that is generated has an incorrect name. This causes an error when distributing the package through SCCM.
IOA-000073397	Documentation describing how to open the Patch Impact Wizard from Application Manager was incorrect.
IOA-000073670	Request for the ability to use the Distribution Wizard to deploy Citrix XenApp profiles to Citrix XenApp Server.
IOA-000074411	Documentation for the <code>Invoke-ASPublish</code> PowerShell command did not include a description of the <code>-sccmtargetgroup</code> parameter.
IOA-000074807	When running on a Windows 7 x64 machine, Quality Monitor generates the following error when running Lockdown and Runtime Tests: <code>'InjectLibrary failed. Error = 123'</code>
IOA-000074837	Files are not copied to the Software Repository when using the Package Auto-Import feature.
IOA-000075326	When using a machine that has a connection to an SCCM server, if you remove the Detection Methods from a package, select another package, and then select the original package and open the Detection Methods tab, a Microsoft .NET framework error is displayed.

Issue Number	Issue Summary
IOA-000075351	When a MSI package that has a MST and a MSP is imported to a Software-Repository-enabled Application Catalog, the MSI, MST, and MSP are copied to the Patches folder in the Software Repository, but only the MSI is copied to the Packages folder in the Software Repository. Then, when executing tests on this package, tests are skipped because the transform file is missing.
IOA-000075439	If the default Detection Method entries are deleted, and the user goes to another view and then returns to the Detection Methods tab, a .NET Framework error appears. The Detection Methods tab cannot be accessed again. The only way to fix this issue is to delete the package and reimport.
IOA-000075681	The Microsoft App-V Sequencer sets application binaries to be Application Data and does not set the Application Data or User Data flag for most of the rest of the files (except for a few extensions that might be set to User Data). However, AdminStudio sets most files to be Application Data. This causes a problem in multi-user scenarios because changes made to most of the files by one user will be present for the other users.
IOA-000075743	Cannot import packages from SCCM 2007 into an Application Catalog when using Windows Authentication.
IOA-000075858	The Repackager Installation Monitoring method fails to capture XCopyFile calls in a batch file correctly.
IOA-000076029	Request to update the <i>Creating Customizable Reports</i> help topic to explain how to display and group custom reports in the Report Center ribbon.
IOA-000076418	If you attempt to import a merge module that exceeds 1040 characters, Application Manager hangs without adding any merge modules to the list.
IOA-000076488	During the import process, both the application name and the deployment type name are based off of the name of the executable specified during import using Invoke-ASPublish. Would like to be able to rename an existing deployment type during import using the Set-ASProperty API command.
IOA-000076489	You can set defaults for newly imported applications on the Import Options > Application Model Defaults of the Options dialog box. A couple of these settings are not being applied correctly, such as Application Task Sequence and Deployment option when client is on slow network .
IOA-000077141	When users create custom ACE rules, and then check applications or packages against these ACE rules, the results of those tests do not show up in the Test Center.
IOA-000077411	When repackaging a Windows Installer package using Repackager or Automated Application Converter, the resultant App-V package will fail to launch due to an incorrect WORKINGDIR value in the .osd file.
IOA-000077541	Request to provide operating system compatibility testing for App-V packages.

Issue Number	Issue Summary
IOA-000077896	The Invoke-ASImportFolder PowerShell command fails to run when an -ApplyTransforms parameter is used.
IOA-000077917	Request to provide the ability to set the Allow Users to view and interact with the program installation SCCM property in AdminStudio.
IOA-000077918	After distributing an application from AdminStudio to SCCM 2012 with the Allow Install from Install Application Task Sequence application model property set to True in Application Manager, the corresponding Allow this application to be installed from the Install Application task sequence action without being deployed option in SCCM is not selected.
IOA-000078356	Application Manager is not able to import an App-V package that has a single quote (') in the file name or in the Comments inside of the App-V package.
IOA-000078424	If a user imports an application into an Application Catalog on a machine that has the UK date format of dd/mm/yy, and then another user connects to the same Application Catalog from a machine that has the US date format, opens Application Manager, and selects the imported application, a Microsoft .NET framework exception occurs.
IOA-000078426	The percentages in the Virtualization Best Practices report adds up to over 100%.
IOA-000078536	Application Manager crashes when doing a bulk import of App-V packages.
IOA-000079522	When publishing an App-V package that has more than one shortcut to SCCM 2012, only the first shortcut is visible.
IOA-000079820	When an MSI is imported with MSPs and MSTs, AdminStudio creates an administrative install of the MSI to properly reflect the changes made by the MSP and MST. Then, when the package is published to SCCM, AdminStudio distributes the "administrative install" of the MSI instead of the original MSI.
IOA-000080202	Application Manager crashes in certain instances when .NET 4.0 is installed, throwing an System.AggregateException.
IOB-000061721	When running on a Windows 7 64-bit machine, Repackaging Wizard hangs after the installer initiates a reboot.
IOB-000062620	AdminStudio launches as Enterprise edition whereas the license file is for Professional, and InstallShield launches as an evaluation version. Also, AdminStudio launches as Enterprise Edition even though the license file is for Professional.
IOB-000062656	If you edit an App-V package in Virtual Package Editor and change the operating system to Windows 8, the setting does not get saved.

Issue Number	Issue Summary
IOB-000062808	Application Manager crashes when saving a report that contains conflict analysis test results and contains ACE07 conflicts.
IOB-000062890	Test Center does not run tests on an application containing characters like \ / : * ? " < > . , when the application is in a Software-Repository-enabled Application Catalog.
IOB-000062999	If an application is checked out from the Application Catalog, edited, and then checked back in, the Check-In and Cancel buttons remain enabled, and the Check Out button remains disabled.
IOC-000089724	Request for the ability to use the Platform API to delete packages and applications.

Known Issues

For a complete list of known issues that pertain to the AdminStudio 2013 release, see the AdminStudio Support Knowledge Base article [Q213527](http://support.installshield.com/kb/view.asp?articleid=Q213527) at:

<http://support.installshield.com/kb/view.asp?articleid=Q213527>