FLEXERA SOFTWARE™

AdminStudio®

AdminStudio 2013 R2
Release Notes

22 November 2013

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 SP2, automatic upgrade of App-V 4.5 and 4.6 to App-V 5.0 SP2, 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 as well as Symantec Altiris Client Management Suite servers bring greater efficiency to client virtualization tasks

AdminStudio Suite 2013 R2 includes the following new features:

Feature	Description
Manage mobile applications with new AdminStudio Mobile Pack	• **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. Also, seamlessly integrates with AirWatch, a leading global Mobile Device Management (MDM) provider, eliminating the manual step the administrator must perform to add new mobile applications to this distribution system.
Wrap up Windows 7 migrations	• **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 SP2 packages for Windows 7 and 8 (32 and 64 bit), Windows Server 2008 R2, and Windows Server 2012. • **More flexible and configurable application compatibility testing options**—In AdminStudio 2013 R2 with Application Compatibility Pack, you can now select tests to execute by choosing a compliance level. The new level of tests are: • **Complete Analysis**—Test applications for all potential Operating System Compatibility and Browser Compatibility issues. • **Industry Standard Analysis**—Test applications for all potential Browser Compatibility issues, but only test for the Operating System Compatibility issues that would cause an application to fail. • **Industry Standard Analysis with Auto-Fixes**—Only test applications for potential Operating System Compatibility issues for which an automatic fix is available. • **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.

Feature	Description
Leverage expanded App-V support, including App-V 5.0 SP2	• **Start App-V projects with a comprehensive assessment**—Automatically test suitability of applications for conversion and deployment as App-V 5.0 SP2 virtual applications and test to identify conflicts with other applications. • **Convert packages automatically**—Convert MSI and .EXE to the Microsoft App-V 5.0 SP2 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 SP2 conversion. • **Edit Microsoft App-V 5.0 Packages**—Directly edit App-V 5.0 SP2 packages, eliminating the need to reconvert from an MSI to modify the package. • **Easily support new App-V 5.0 SP2 capabilities**—Define Virtual Connection Groups in AdminStudio and publish to Microsoft System Center 2012 Configuration Manager.
Bring greater efficiency to client virtualization	• **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. • **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. • **Support for Symantec Altiris Client Management Suite**—Publish Windows Installer, Symantec Workspace, VMware ThinApp, and legacy packages to Symantec Altiris Client Management Suite Server directly from the AdminStudio Distribution Wizard. • **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) • **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	• **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

This section lists the new features that were included in the following versions of AdminStudio:

- AdminStudio 2013 R2

- AdminStudio 2013

AdminStudio 2013 R2

AdminStudio 2013 R2 includes the following new features:

- Enhanced App Portal Support

- Enhancements to Creating Multiple Named Connections to Distribution Systems

- Symantec Altiris Client Management Suite Support

- AirWatch Server Support

- Enhancements to Test Center Test Selection

- Automatic Application Virtualization Compatibility Testing Performed Upon Import

- Shell Extensions Support for App-V 5.0 SP2 Beta

- Standalone Tuner

- Additional Operating System Compatibility Tests

- Enhancements to Existing Operating System Compatibility Tests

- Additional Platform API Commands

Enhanced App Portal Support

AdminStudio can communicate with App Portal and the FlexNet Manager Platform via the Flexera Service Gateway. When AdminStudio is integrated with App Portal, when you publish an application from AdminStudio to System Center 2012 Configuration Manager or Symantec Altiris Client Management Suite Server, you can choose to have a catalog item for that application automatically created in App Portal. And, if you are integrated with FlexNet Manager Platform, automatic license management can also be performed.

AdminStudio 2013 R2 includes the following enhancements to its App Portal support:

- Ability to Search for Flexera Identifier From Application Manager

- Ability to Control the Automatic Creation of an App Portal Catalog Item

- Ability to Specify an Application's Catalog Item Brief Description and Long Description

- Ability to Specify an Application's Catalog Item Categories

- Ability to Specify an Application's Catalog Item Template

- Ability to Specify an Application's Catalog Item Keywords

- Support for App Portal 2013's Symantec Altiris Client Management Suite Server Deployment Technology Support

Ability to Search for Flexera Identifier From Application Manager

A Flexera Identifier is a unique code assigned to applications by FlexNet Manager Platform that is used to link application information from Application Manager with application information in App Portal and FlexNet Manager Platform.

If both Application Manager and FlexNet Manager Platform are connected to the same Flexera Service Gateway, each time you import an application into the Application Catalog, a search for the application's Flexera Identifier is performed, and if it is found, it is listed on the **General Information** tab of the **Application View**.

Sometimes, an application's Flexera Identifier is not found, such as when the value of the information in the application's **Product Name**, **Version**, **Edition**, or **Publisher** fields is either incorrect or too specific.

In previous releases, if a Flexera Identifier was not found during the search automatically performed at import, you had no way of searching FlexNet Manager Platform to obtain it. In AdminStudio 2013 R2, you can now perform a search of the FlexNet Manager Platform's Application Resource Library directly from Application Manager.

To perform a search, click the browse button next to the **Flexera Identifier** field on the **General Information** tab of the **Application View**. The **Flexera Identifier** dialog box opens:

Figure 1: Flexera Identifier Dialog Box / Prior to Search

You would then edit the text in the **Search Criteria** fields and perform a search to generate a list of possible matching applications.

Figure 2: Flexera Identifier Dialog Box / Possible Matching Applications Listed

When you select the correct application from the list and click **OK**, the selected Flexera Identifier will be saved in the Application Catalog and will be listed on the **General Information** tab of the **Application View** for that application.

Ability to Control the Automatic Creation of an App Portal Catalog Item

In AdminStudio 2013, if both AdminStudio and App Portal were connected to the same Flexera Service Gateway, each time you published an application to System Center 2012 Configuration Manager, an App Portal catalog item for that application would be created in the default category.

In AdminStudio 2013 R2, you can now control whether or not to create a catalog item upon application publication by selecting an option on the new **Categories** dialog box, which is opened by clicking the browse button in the **Categories** field on the **App Portal Information** tab of the **Application View**.
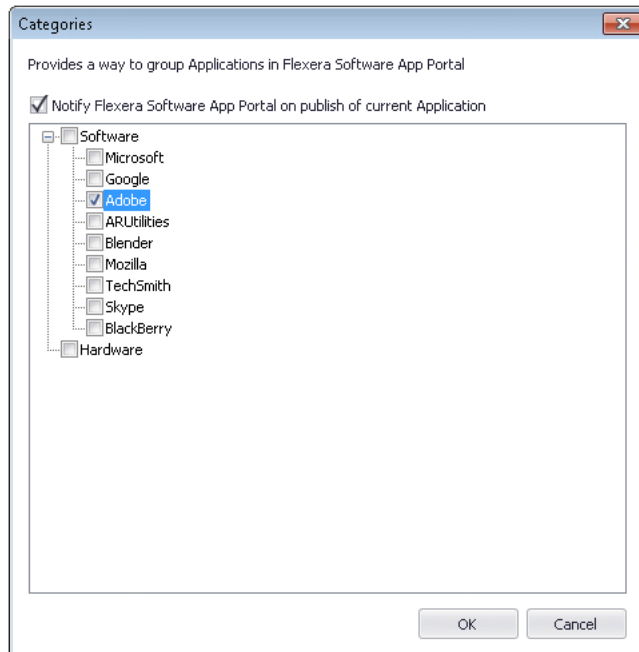
Figure 3: Categories Dialog Box

If you want a new catalog item to be created in App Portal when an application is published to System Center 2012 Configuration Manager or Symantec Altiris Client Management Suite Server, you need to select the **Notify Flexera Software App Portal on publish of current Application** option on the **Categories** dialog box and select one or more categories.

Ability to Specify an Application's Catalog Item Brief Description and Long Description

When you view an App Portal catalog item on the **Browse Catalog** tab, the catalog item's **Title**, **Brief Description**, and **Full Description** properties are displayed, as shown below:
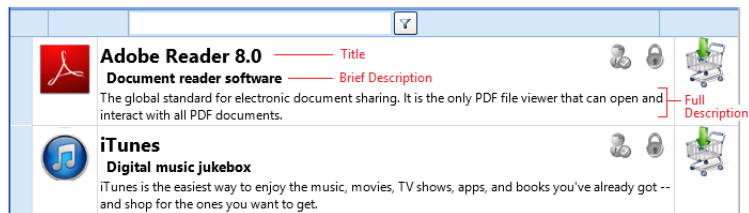
Figure 4: Catalog Items Displayed on App Portal Browse Catalog Tab

In AdminStudio 2013 R2, you can now specify the **Brief Description** and **Long Description** properties for an application on the **App Portal Information** tab of an application's **Application View**. This enables you to customize the text that is displayed on the App Portal **Browse Catalog** tab for that application without having to open App Portal. On the **App Portal Information** tab, you can also preview the **Title** that App Portal will assign to this application's catalog item.

Ability to Specify an Application's Catalog Item Categories

When an end user browses the App Portal catalog on the **Browse Catalog** tab, catalog items are organized into categories. In the image below, the **Software > Google** category contains two catalog items.
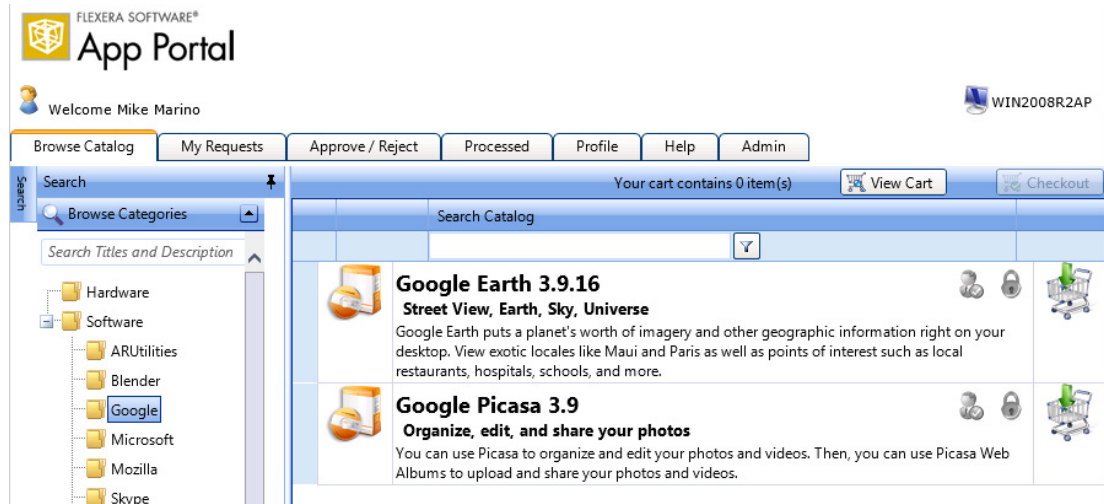
Figure 5: Categories Displayed on the App Portal Browse Catalog Tab

When a catalog item is created in App Portal, a category must be specified. In AdminStudio 2013, catalog items that were automatically created when you published an application from AdminStudio to System Center 2012 Configuration Manager were placed into App Portal's default category.

In AdminStudio 2013 R2, you can now select the category or categories that you want the application's catalog item to be placed in. You select a category on the **Categories** dialog box, which is opened by clicking the browse button in the **Categories** field on the **App Portal Information** tab of the **Application View**.
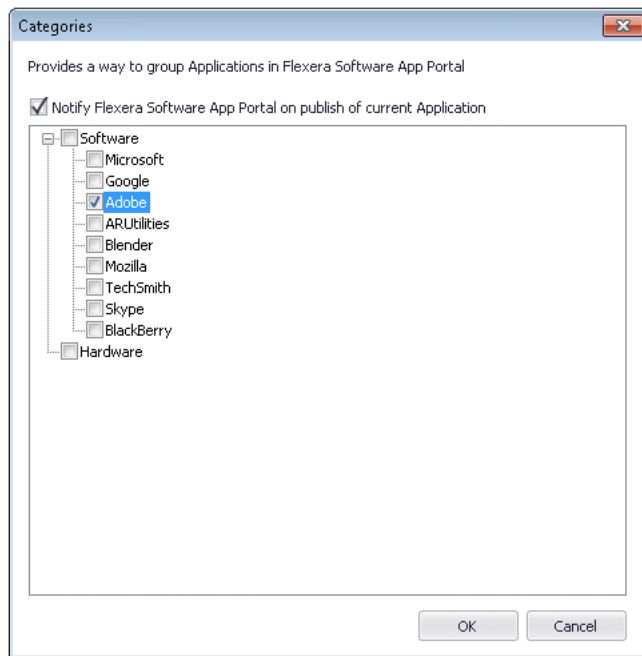

Figure 6: Categories Dialog Box

The **Categories** dialog box lists of all of the categories that have been defined in App Portal.

Ability to Specify an Application's Catalog Item Template

On the App Portal **Catalog Item Properties** dialog box, it is possible to set hundreds of different properties on a catalog item.

Figure 7: App Portal Catalog Item Properties Dialog Box

For catalog items that require a complex set of properties, it would be beneficial to create an App Portal template that contains all of those settings and properties. Then, whenever a new catalog item is created, properties and settings can be automatically loaded by selecting that template.

AdminStudio 2013 R2 includes support for App Portal templates. If templates have been created in App Portal, you can assign one of those templates to an application by selecting it from the **Template** list on the **App Portal Information** tab of the **Application View**.

If a template is selected, when this application is published to System Center 2012 Configuration Manager or Symantec Altiris Client Management Suite Server, an App Portal catalog item will be automatically created and all of the properties and settings defined in the selected template will be assigned.

Ability to Specify an Application's Catalog Item Keywords

In App Portal, end users can perform a search for a catalog item on the **Browse Catalog** tab. To assist in that search, you can assign single-word keywords to a catalog item on the App Portal **Catalog Item Properties** dialog box.

In AdminStudio 2013 R2, you can now also assign App Portal keywords to an application in Application Manager. After you add a consistent set of keywords to the Application Catalog, you can then assign those defined keywords to an application by selecting them from a list on the **Keywords** dialog box, which is opened by clicking the browse button in the **Keywords** field on the **App Portal Information** tab of the **Application View**.
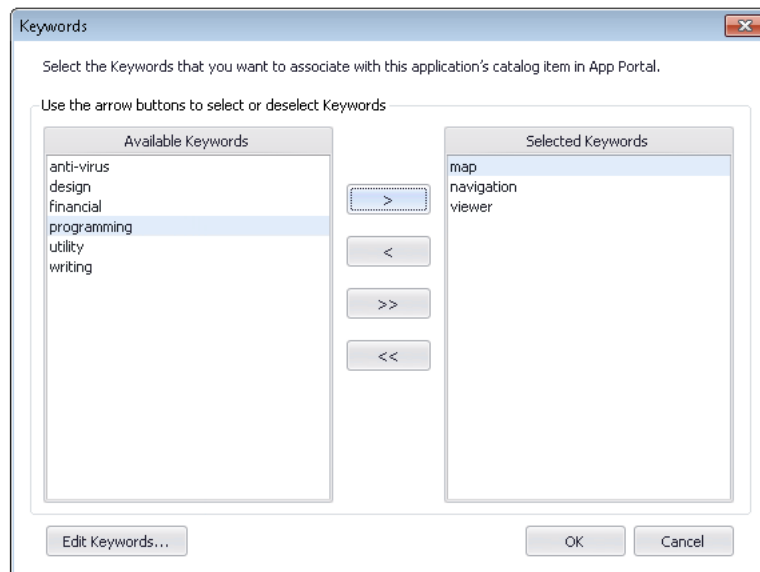
Figure 8: Keywords Dialog Box

Support for App Portal 2013's Symantec Altiris Client Management Suite Server Deployment Technology Support

App Portal 2013 introduced support for connecting to multiple deployment technologies simultaneously, including System Center 2007 Configuration Manager, System Center 2012 Configuration Manager, and Symantec Altiris Client Management Suite.

AdminStudio 2013 R2 supports that enhancement by also adding support for the publication of applications to Symantec Altiris Client Management Suite Server, as described in Symantec Altiris Client Management Suite Support.

Enhancements to Creating Multiple Named Connections to Distribution Systems

In AdminStudio 2013 R2, you now have support for creating named connections to additional distribution systems: Symantec Altiris Client Management Suite Server 7.5 and AirWatch Server.

The following table lists all of the supported distribution systems along with the tasks Application Manager can perform with each:

Category	System Center Configuration Manager		Citrix XenApp Server	Symantec Altiris Client Management Suite Server 7.5	AirWatch Server
	2012	2007			
Import packages from	✓	✓			
Distribute applications to	✓		✓	✓	✓
Supported deployment types:	Windows Installer App-V 5.0 SP2 App-V 4.x Apple iOS Windows Store Legacy installer	Windows Installer App-V 4.x Legacy installer	Citrix XenApp App-V 4.x	Windows Installer Symantec Workspace VMware ThinApp Legacy installer	Proprietary in-house iOS enterprise app
Distribute packages to		✓			
View application deployment status	✓				
View and edit package deployment data	✓	✓	✓	✓	✓

Symantec Altiris Client Management Suite Support

AdminStudio 2013 R2 introduces support for an additional distribution system: Symantec Altiris Client Management Suite. On the Application Manager **Options** dialog box, you can now set up a named connection to a Symantec Altiris Client Management Suite Server.
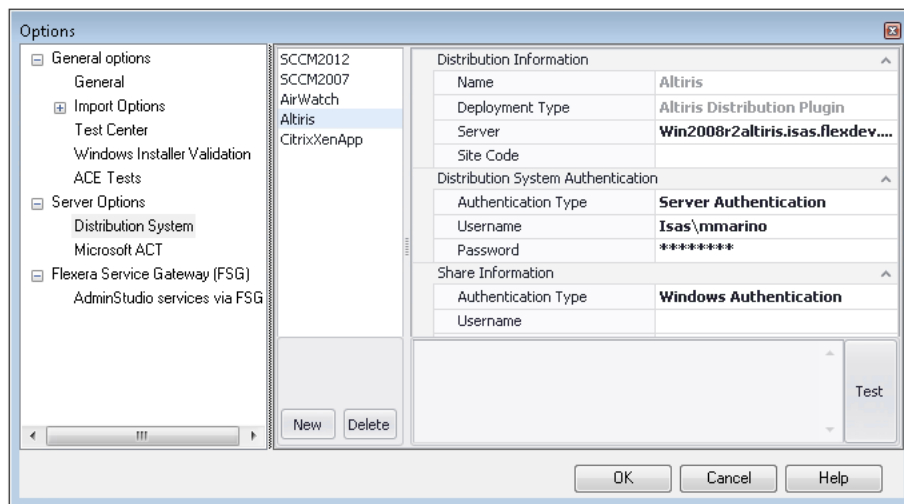
Figure 9: Connection to a Symantec Altiris Client Management Suite Server

After Application Manager is connected to a Symantec Altiris Client Management Suite Server, the following additional support is available:

● Support for Publishing Applications to Symantec Altiris Client Management Suite Server

● Support for Viewing and Editing a Package's Altiris Deployment Data

Support for Publishing Applications to Symantec Altiris Client Management Suite Server

Using the AdminStudio Distribution Wizard, you can now publish applications containing the following package types to Symantec Altiris Client Management Suite Server:

● Windows Installer

● Symantec Workspace

● VMware ThinApp

● Legacy installer

Support for Viewing and Editing a Package's Altiris Deployment Data

In Application Manager, you can view and edit a package's Symantec Altiris Client Management Suite Server deployment data on the **Altiris Deployment Data** tab of the **Catalog Deployment Type View**. The **Altiris Deployment Data** tab's properties are grouped into two subtabs:

- Package Information Tab

- Command Lines Tab

Package Information Tab

On the **Package Information** tab, you can customize the name that will identify this package on the Symantec Altiris Client Management Suite Server, and the description that will be associated with the package.
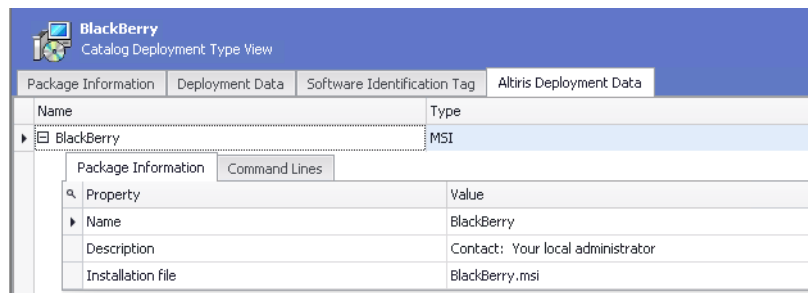
Figure 10: Altiris Deployment Data Tab / Package Information Tab

Command Lines Tab

On the **Command Lines** subtab, you can configure a package's Altiris-related command line settings.
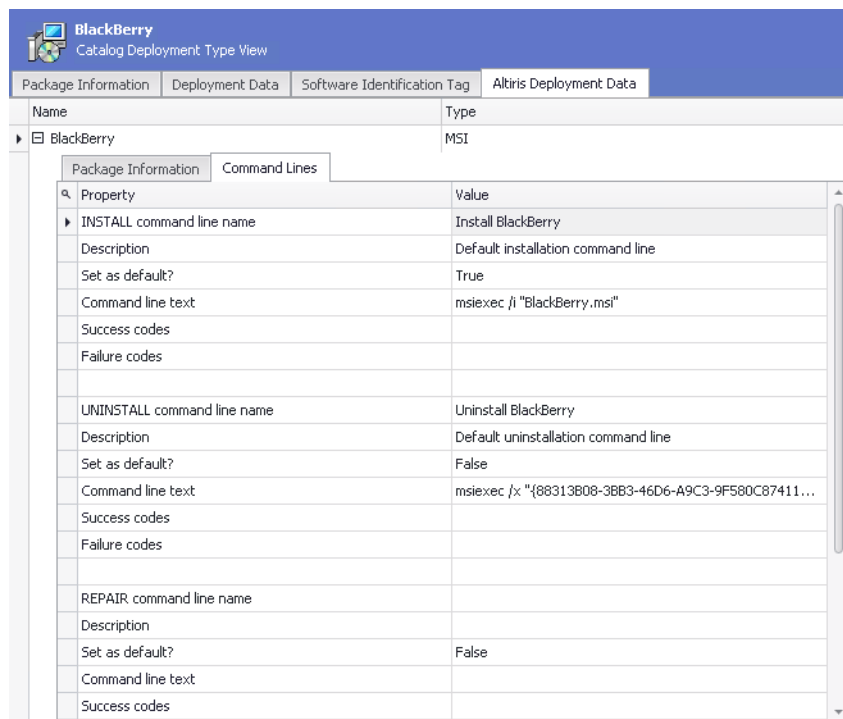
Figure 11: Altiris Deployment Data Tab / Command Lines Tab

AirWatch Server Support

AdminStudio 2013 R2 introduces support for an additional distribution system: AirWatch Server. On the Application Manager **Options** dialog box, you can now set up a named connection to an AirWatch Server.
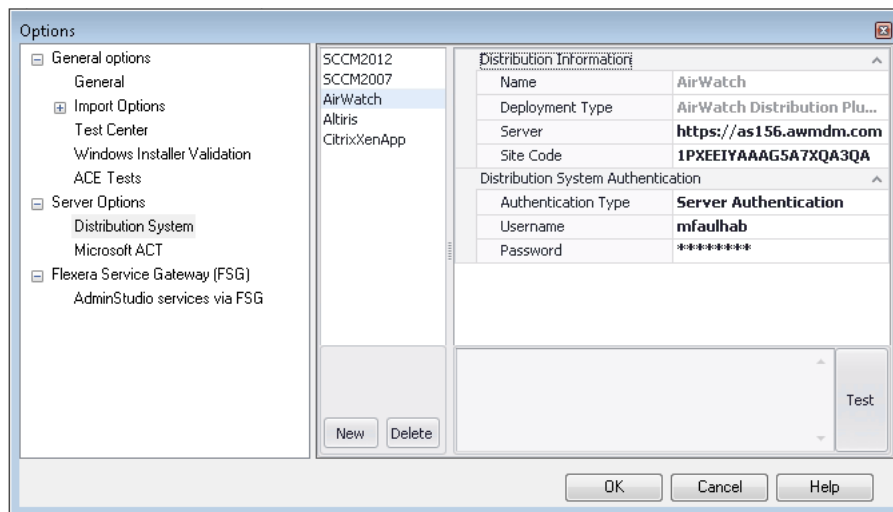
Figure 12: Connection to an AirWatch Server

After Application Manager is connected to an AirWatch Server, the following additional support is available:

- Support for Publishing Applications to AirWatch Server

- Support for Viewing and Editing a Package's AirWatch Deployment Data

Support for Publishing Applications to AirWatch Server

Using the AdminStudio Distribution Wizard, you can now publish applications containing internal Apple iOS applications to AirWatch Server.

Support for Viewing and Editing a Package's AirWatch Deployment Data

On the **AirWatch Deployment Data** tab, you can specify AirWatch-specific deployment settings including the push mode, and auto update setting, as well as support information.

Figure 13: AirWatch Deployment Data Tab

Enhancements to Test Center Test Selection

In AdminStudio 2013 R2, you can now select Test Center tests to execute by choosing a compliance level. You can also integrate OS Snapshot data into test selection.

- Ability to Select Test Center Tests by Choosing a Compliance Level

- Ability to Integrate OS Snapshot Data into Test Selection

Ability to Select Test Center Tests by Choosing a Compliance Level

Instead of selecting individual Operating System Compatibility and Browser Compatibility tests to run on the **Select Tests to Execute** dialog box, you have the option of using the **Test Configuration Wizard** to select a compliance level of tests to run:

- **Complete Analysis**—Test applications for all potential Operating System Compatibility and Browser Compatibility issues.

- **Industry Standard Analysis**—Test applications for all potential Browser Compatibility issues, but only test for the Operating System Compatibility issues that would cause an application to fail.

- **Industry Standard Analysis With Auto-Fixes**—Only test applications for potential Operating System Compatibility issues for which an automatic fix is available.

The **Test Configuration Wizard** is opened by clicking **Test Configuration Wizard** on the **Select Tests to Execute** dialog box.
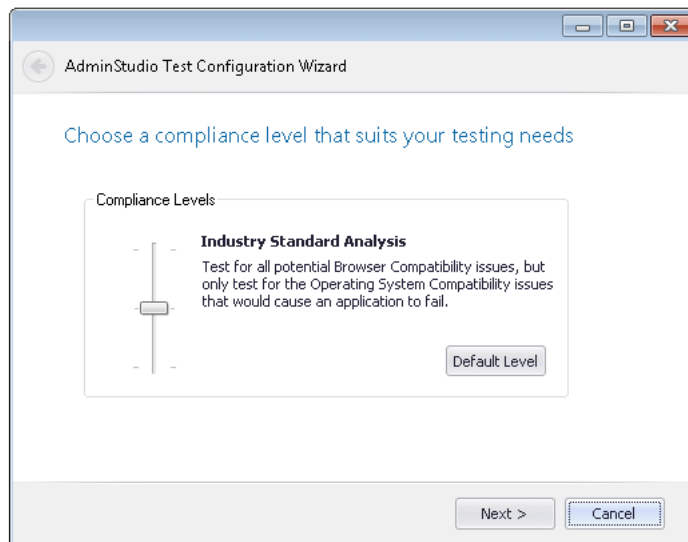
Figure 14: Test Configuration Wizard

The **Compliance Level** that you select will determine which tests are selected to execute, overriding any previous selections you have made.

*Important • The **Compliance Level** selection you make on this panel does not affect the selection of tests in the Application Conflicts, Application Virtualization Compatibility, Installer Best Practices, or Remote Application Publishing Compatibility test categories.*

Ability to Integrate OS Snapshot Data into Test Selection

You can also further refine the tests that are run by specifying an OS Snapshot to test against in the Test Configuration Wizard.
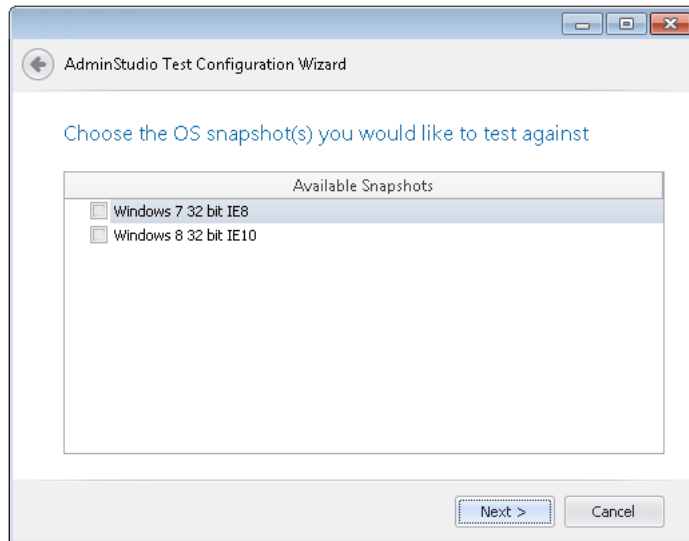
Figure 15: OS Snapshots Panel of Test Configuration Wizard

For example, if you select a Windows 7 32-bit OS Snapshot, only Windows 7 32-bit Operating System Compatibility tests will be selected, and only Internet Explorer 8 Browser Compatibility tests will be selected.

Automatic Application Virtualization Compatibility Testing Performed Upon Import

In AdminStudio 2013 R2, application virtualization compatibility tests are automatically performed on non-virtual packages when they are imported into the Application Catalog.

Shell Extensions Support for App-V 5.0 SP2 Beta

AdminStudio 2013 R2 supports the conversion of applications that register shell extensions to App-V 5.0 packages when deployed to machines running the App-V 5.0 SP2 Beta client.

Note • At the time of the AdminStudio 2013 R2 release, only the beta version of Microsoft App-V 5.0 SP2 was available.

Standalone Tuner

Starting with AdminStudio 2013 R2, Tuner is no longer installed by the AdminStudio installer. Instead, Tuner is now available as a standalone download, which can be obtained from the Flexera Software Product & License Center. Tuner is included with all editions of AdminStudio.

Additional Operating System Compatibility Tests

In AdminStudio 2013 R2, the following additional OS compatibility tests have been added to support the latest Microsoft releases of Windows 8.1 and Windows 2012 R2.

- Obsolete File Associations (0055, 0155, 0255, 0355, 0455, 0555)

- Unsupported 16-Bit Files (0617)

- Deprecated Windows Library Feature (0656, 0756, 0856)

- Deprecated Distributed File System Tool (0857)

Obsolete File Associations (0055, 0155, 0255, 0355, 0455, 0555)

During this test, the package is scanned for the presence of obsolete file associations.

Tests are included for the following test categories:

- Windows 7 32-bit

- Windows 7 64-bit

- Windows Server 2008 R2

- Windows 8 32-bit

- Windows 8 64-bit

- Windows Server 2012

Unsupported 16-Bit Files (0617)

During this test, the package is scanned for the presence of components containing 16-bit files. Scanned file extensions are: exe, dll, sys, drv, ocx, cpl, src. Starting with Windows 8.1, 16-bit code is not supported.

Tests are included for the following test categories:

- Windows 8 32-bit

Deprecated Windows Library Feature (0656, 0756, 0856)

During this test, the package is scanned for the presence of Windows Library files. Libraries were introduced with the release of Windows 7 to organize files across the PC or network. Starting with Windows 8.1, the Windows Library feature has been replaced with the Skydrive.

Tests are included for the following test categories:

- Windows 8 32-bit

- Windows 8 64-bit

- Windows Server 2012

Deprecated Distributed File System Tool (0857)

During this test, the package is scanned for the presence of references to dfscmd.exe inside shortcuts, custom actions, and script files. Scanned file extensions are: cmd, vbs. Starting with Windows Server 2012 R2, Microsoft has deprecated the command line tool that configures DFS folders and folder targets in a DFS namespace.

Tests are included for the following test categories:

● Windows Server 2012

Enhancements to Existing Operating System Compatibility Tests

The following enhancements have been made to existing Operating System Compatibility tests:

#	Name	Enhancement
0x15 0x16	**Windows Resource Protection Files**	The lists of WRP files and registry keys that are used when these tests are run were updated.
0x39	**Compatibility Issues with Known Programs at Startup**	The lists of incompatible applications that are used when these tests are run were updated.
0x22	**Deprecated API Calls**	The lists of deprecated API calls that are used when these tests are run were updated.
0x37	**32-Bit Driver**	An issue with the evaluation of conditions in rules was fixed.

Additional Platform API Commands

AdminStudio 2013 R2 includes the following new Platform API commands to address new functionality introduced in this release:

● Add-ASKeywords

● Get-ASCatalogItem

● Get-ASConfigPlatform

● Get-ASKeywords

● Get-ASPackageTestSummary

● Get-ASProperty

● New-ASDistributionConnection

Add-ASKeywords

You can use the `Add-ASKeywords` command to add a comma-delimited list of App Portal catalog item keywords to the Application Catalog (as individual records in the **ASKeywords** table).

The following is an example of the `Add-ASKeywords` command:

```
Add-ASKeywords accounting,spreadsheet,project management,graphs
```

After creating the keywords, you can use the `Set-ASProperty` command to assign keywords to an application using the `-PropertyName` and `-PropertyValue` parameters.

```
Set-ASProperty -PackageID 35 -PropertyName "Keywords" -PropertyValue "Admin"
```

```
Set-ASProperty -PackageID 43 -PropertyName "Keywords" -PropertyValue "Admin,IT,HR"
```

Get-ASKeywords

You can use the `Get-ASKeywords` command to return a comma-delimited list of App Portal catalog item keywords in the Application Catalog's **ASKeywords** table.

The following is an example of the `Add-ASKeywords` command:

```
Get-ASKeywords
```

After creating the keywords, you can use the `Set-ASProperty` command to assign keywords to an application, as described in Add-ASKeywords above.

Get-ASCatalogItem

The `Get-ASCatalogItem` command returns a list of the root items of the specified type: `Group`, `Application`, or `Package`. For example, if you use this command with the `ItemType` of `Group`, the applications in the specified group will be listed, along with each application's Catalog ID. If you use an `ItemType` of `Application`, that application's packages will be listed, along with each package's Catalog ID.

The following is an example of the `Get-ASCatalogItem` command:

```
Get-ASCatalogItem -ItemType 'Group' -ItemId 1
```

The `Get-ASCatalogItem` command has the following parameters:

Parameter	Description
-ItemType	Specify one of the following types to identify which type of catalog item you want to list the contents of, in single quote marks:
	● Group
	● Application
	● Package
	For example:
	`Get-ASCatalogItem -ItemType 'Group' -ItemId 10`

Parameter	Description
-ItemId	Use to specify the ID number of the group, application or package that you want to list the contents of. For example: Get-ASCatalogItem -ItemType 'Group' `-ItemId 10`

Get-ASConfigPlatform

You can use the `Get-ASConfigPlatform` command to retrieve configuration information, such as to retrieve the database connection string to which the current PowerShell session was configured.

The following is an example of a `Get-ASConfigPlatform` command:

`Get-ASConfigPlatform -ConnectionString`

For example, if the `Get-ASConfigPlatform` command is used with the `-ConnectionString` parameter, the database connection string to which the current PowerShell session was configured using `Set-ASConfigPlatform` command will be returned, such as:

```
PROVIDER=SQLOLEDB.1;Data Source=ADMIN-PC;Initial catalog=TesCatalog;Integrated
    Security=SSPI
```

The `Get-ASConfigPlatform` command has the following parameters:

Parameter	Description
[ConnectionString]	Use to specify the connection string for Application Catalog.
[Group]	Use to specify the group to import packages into. The group should already exist in the Application Catalog.
[AACSettingsFile]	Specify the Automated Application Converter project file (`.aacx`) to use for all conversion tasks. This setting can be overridden by individual conversion commands.
[OutputPath]	Specify the default output folder under which all virtualized packages will be stored. This setting can be overridden by individual conversion commands.
[HardTimeout]	Hard time-out (in minutes) for the package installation.
[SoftTimeout]	Soft time-out (in minutes) for the package installation.
[BuildAppV]	Build Microsoft App-V packages (`*.sft`). Specify **0** (do not build) or **1** (build).
[BuildXenApp]	Build Citrix XenApp profiles (`*.profile`). Specify **0** (do not build) or **1** (build).
[BuildSymantec]	Build Symantec Workspace virtual packages (`*.xpf`). Specify **0** (do not build) or **1** (build).

Parameter	Description
[BuildThinApp]	Build VMWare ThinApp packages (`*.exe`). Specify **0** (do not build) or **1** (build).
[BuildMSI]	Build Windows Installer packages (`*.msi`). Specify **0** (do not build) or **1** (build).
[AppVServerHost]	Host name portion of the server location for App-V packages.
[AppVServerPort]	Port number portion of the server location for App-V packages.
[AppVServerProtocol]	Protocol portion of the server location for App-V packages.
[-SCCMServer]	System Center Configuration Manager Server address.
[-SCCMSiteCode]	System Center Configuration Manager site code.
[-SCCMUsername]	System Center Configuration Manager user name.
[-SCCMPassword]	System Center Configuration Manager password.
[-SCCMRepositoryPath]	Path to the System Center Configuration Manager repository.

Get-ASPackageTestSummary

You can use the `Get-ASPackageTestSummary` command to return a summary of various tests performed for the package that is specified using the `-PackageId` parameter.

The following is an example of the `et-ASPackageTestSummary` command.

`Get-ASPackageTestSummary -PackageId 35`

The `Get-ASPackageTestSummary` command has the following parameters:

Parameter	Description
PackageId	ID of the package that will be returned.

Get-ASProperty

You can use the `Get-ASProperty` command to return the value for a property specified using the `–PropertyName` parameter associated to a specified package specified using `–PackageId` parameter.

The following is an example of the `ASProperty` command:

`Get-ASProperty –PackageId 35 –PropertyName "AutoInstall"`

The `Get-ASProperty` command has the following parameters:

Parameter	Description
PackageId	ID of the package that will be returned.
PropertyName	Name of the property.

New-ASDistributionConnection

You can use the `New–ASDistributionConnection` command to define named connections to System Center Configuration Manager and Citrix XenApp distribution systems. This enables you to refer to those connection settings by name in Platform API commands.

The following is an example of the `New–ASDistributionConnection` command.

```
New–ASDistributionConnection
    –Name SCCM2012
    –PluginID 0
    –ServerAddress 172.01.02.03
    –SiteCode ABC
    –DistributionWindowsAuthentication 0
    –DistributionUser MyDomain\UserName
    –DistributionPassword Password123
    –ShareWindowsAuthentication 0
    –SharePath \\172.01.02.03\SharedLocation
    –ShareUserName MyDomain\UserName
    –SharePassword Passw0rd123
```

The `New–ASDistributionConnection` command has the following parameters:

Parameter	Description
Name	Use to specify the name of this new named connection to a distribution system.
PluginID	Use to specify the plug-in with which the distribution system is associated. This parameter is mapped to the object identifier (OID) of the **ASCMSupportedPackageTypes** database table; you can provide any value available in this table to identify the plug-in.
ServerAddress	Use to specify the distribution server address.

Parameter	Description
SiteCode	When connecting to a System Center Configuration Manager distribution system, use to specify the site code.
DistributionWindowsAuthentication	Use to specify whether the distribution connection should use Windows Authentication or a custom user name and password. Available options are: ● **0** = Do not use Windows Authentication ● **1** = Use Windows Authentication
[DistributionUser]	If not using Windows Authentication, use this parameter to specify the user name to use when connecting to the distribution system.
[DistributionPassword]	If not using Windows Authentication, use this parameter to specify the password to use when connecting to the distribution system.
SharePath	Use to specify the path to which packages are published.
ShareWindowsAuthentication	Use to specify whether the share path should use Windows Authentication or a custom user name and password. Available options are: ● **0** = Do not use Windows Authentication ● **1** = Use Windows Authentication
[ShareUserName]	If not using Windows Authentication, use this parameter to specify the user name to use when connecting to the share path.
[SharePassword]	If not using Windows Authentication, use this parameter to specify the password to use when connecting to the share path.

AdminStudio 2013

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).
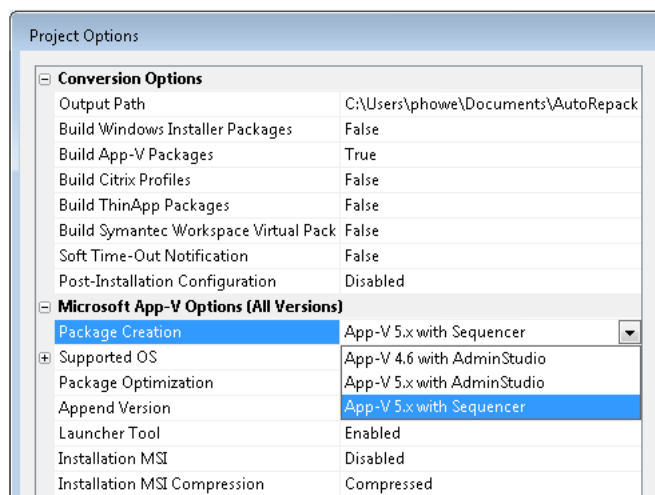
Figure 16: Package Creation Option on Application Manager Options Dialog Box

*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.
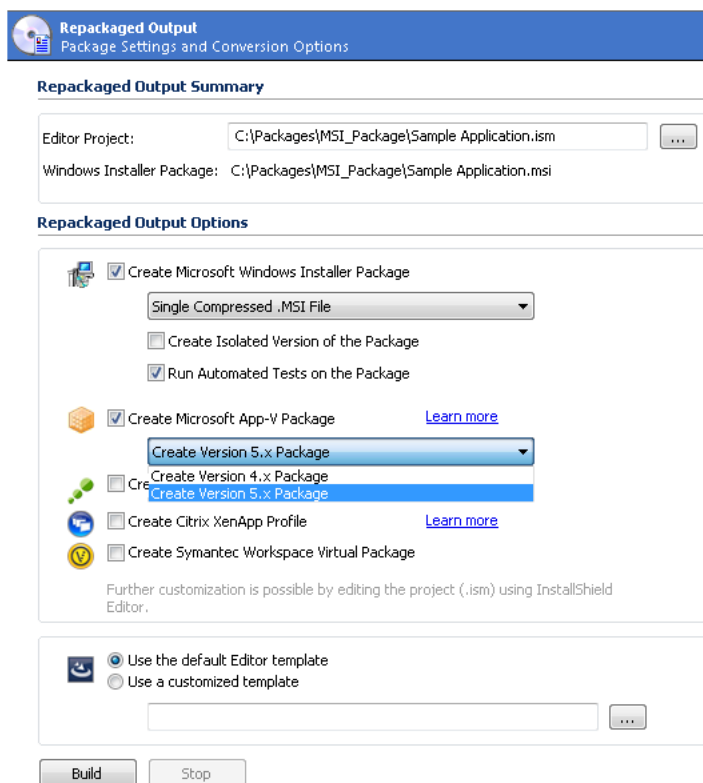
Figure 17: App-V 4.x and 5.x Options on Repackager Repackaged Output View

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.
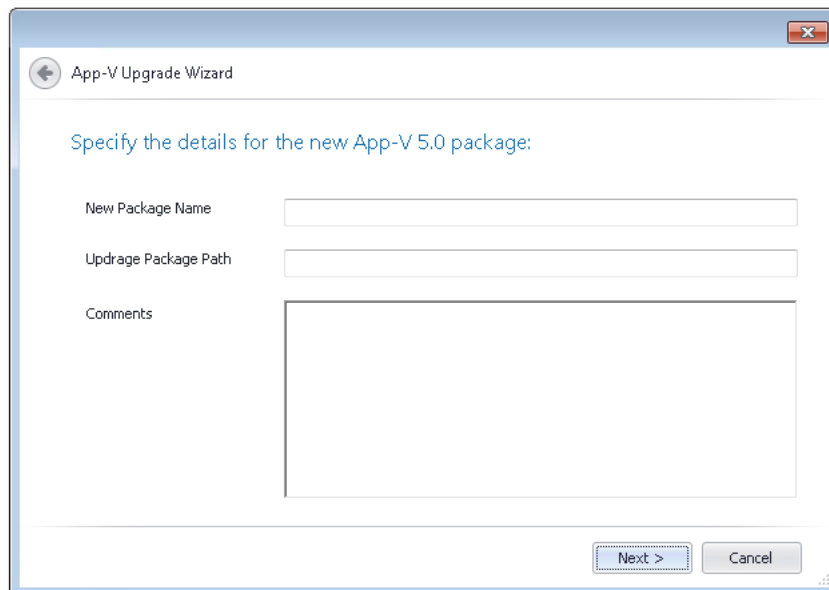
Figure 18: App-V Upgrade Wizard

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.
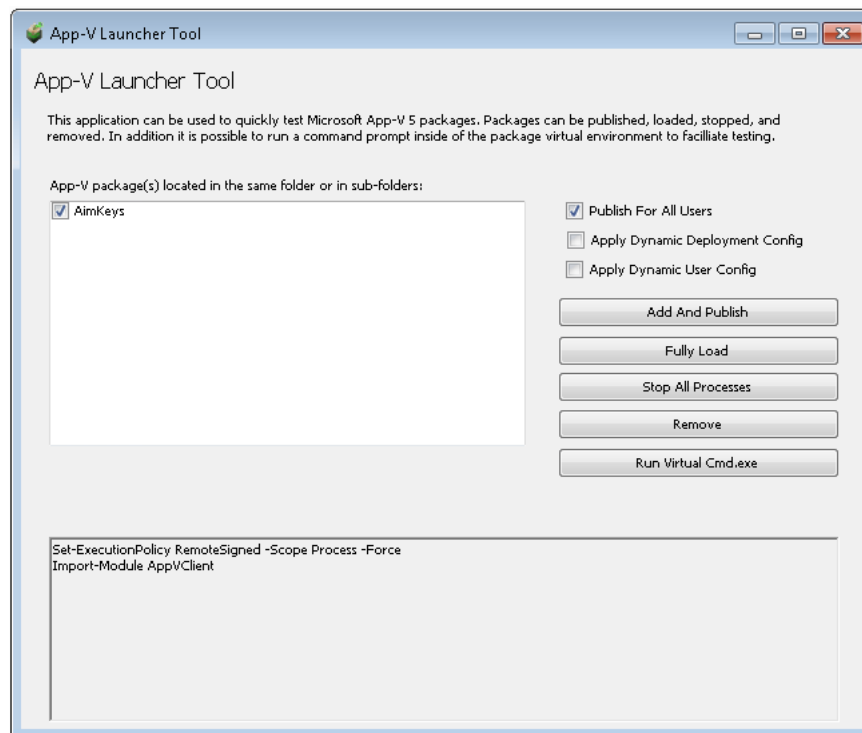
Figure 19: App-V 5.0 Launcher

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.
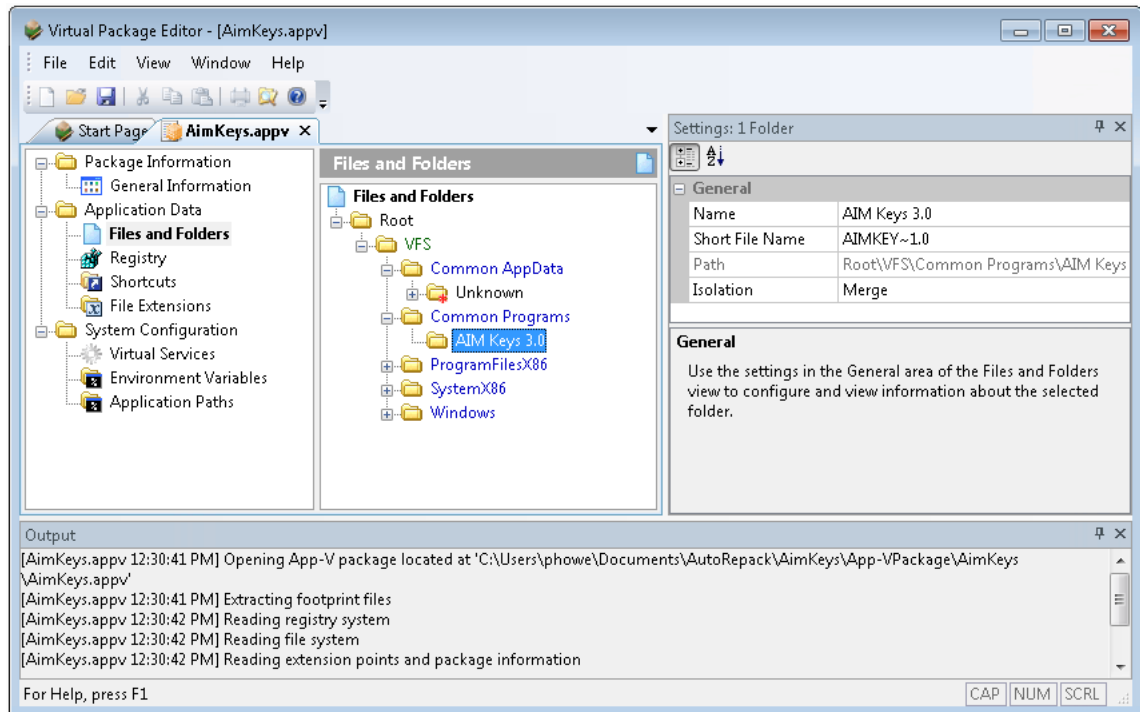
Figure 20: App-V 5.0 Package in Virtual Package Editor

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.
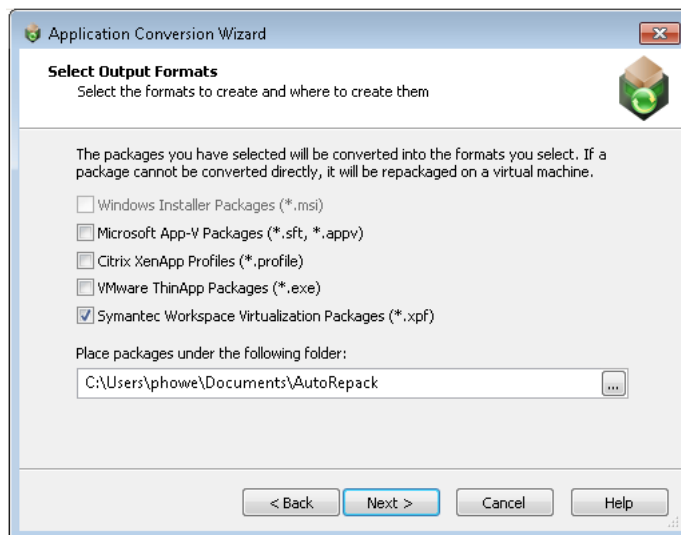
Figure 21: Symantec Workspace Virtualization Packages Selected on the Select Output Panel

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 22: 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).
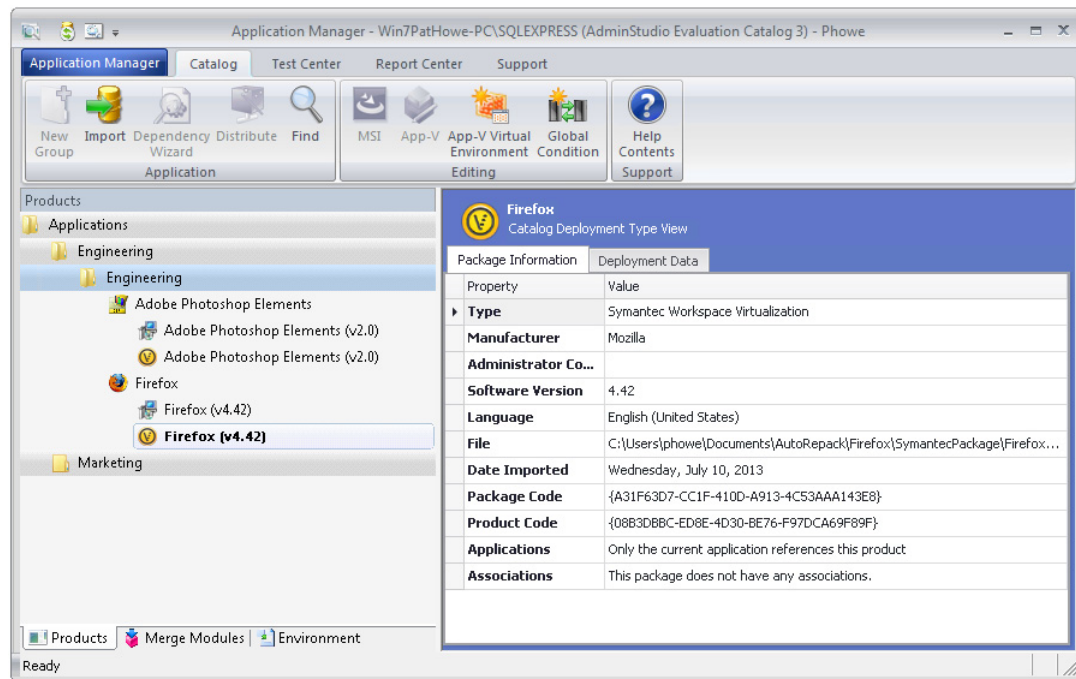
Figure 23: Symantec Packages in the Application Manager Tree

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.

Figure 24: 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.
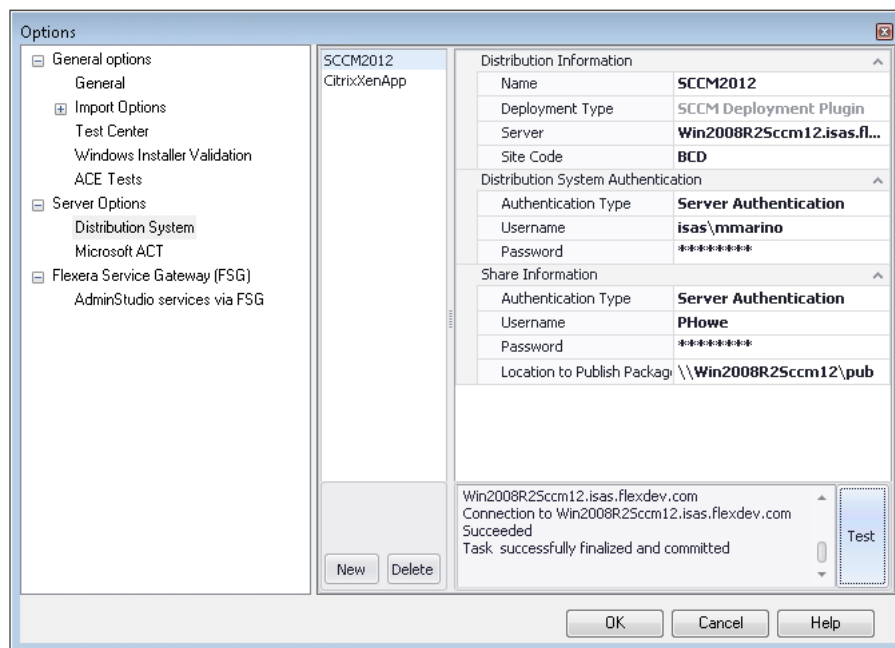
Figure 25: Distribution System Tab of Application Manager Options Dialog Box

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:

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 R2

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**.
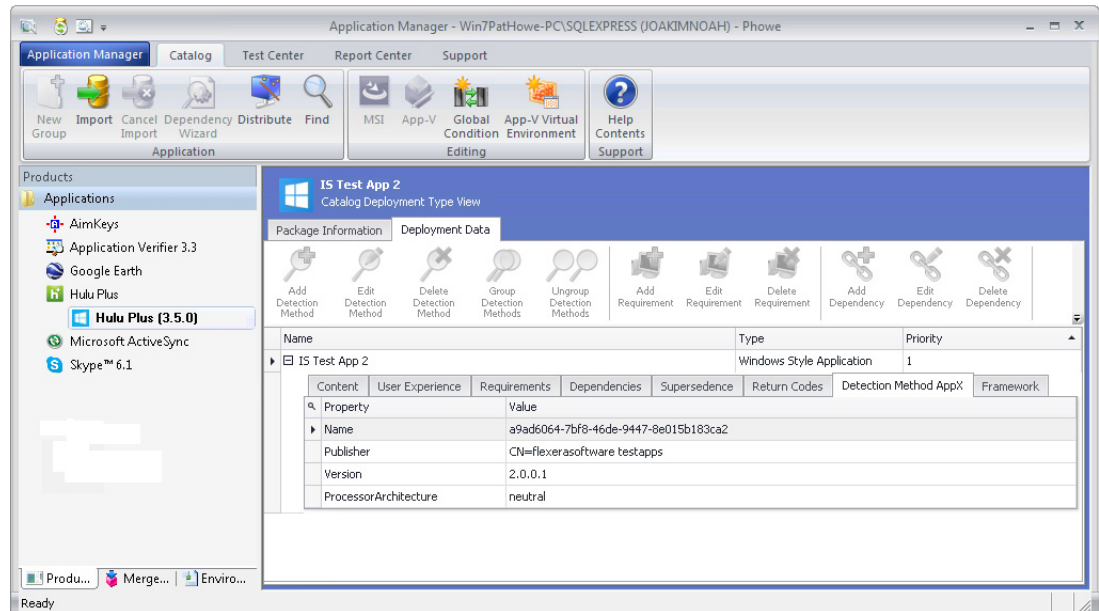
Figure 26: Deployment Data > Detection Method AppX Subtab for a Windows Store Application

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 R2

In AdminStudio 2013, you can publish Apple iOS applications and Microsoft Windows Store applications to System Center 2012 Configuration Manager R2.

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:
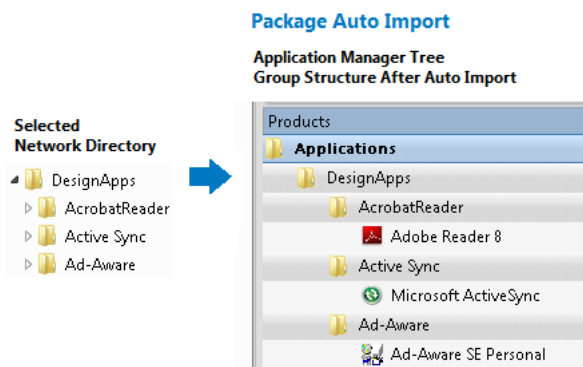
Figure 27: Group Structure Created by Package Auto Import

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.
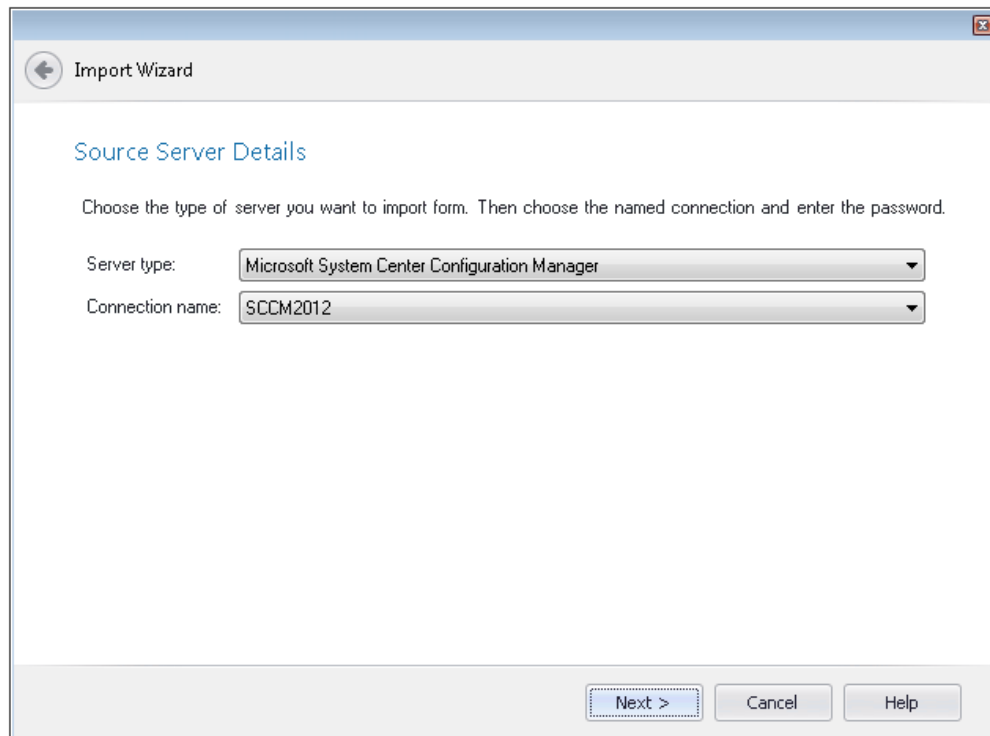
Figure 28: Selecting a Named Connection on the Source Server Details Panel of Import Wizard

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 R2 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.
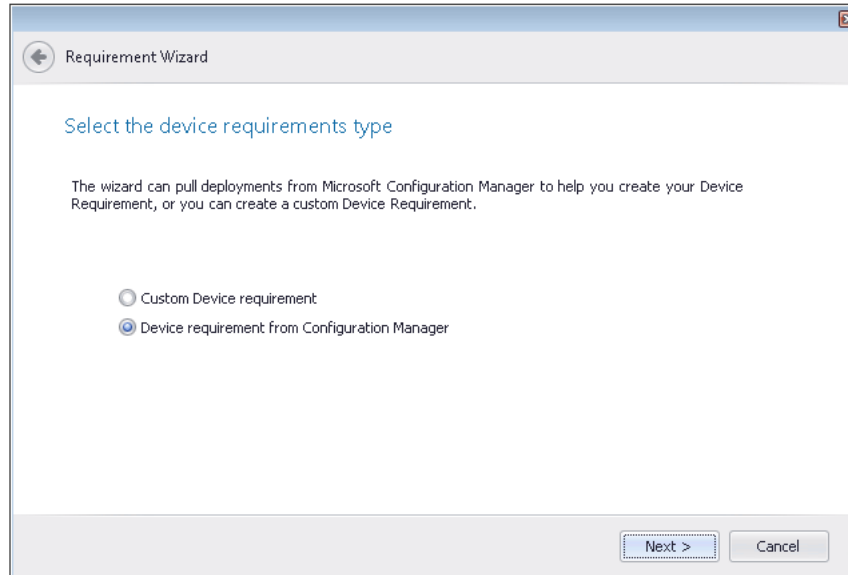
Figure 29: Select the Device Requirements Type Panel of Requirement Wizard

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

Figure 30: 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:
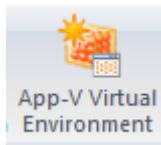
Figure 31: App-V Virtual Environment Button

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.

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

Figure 32: 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.
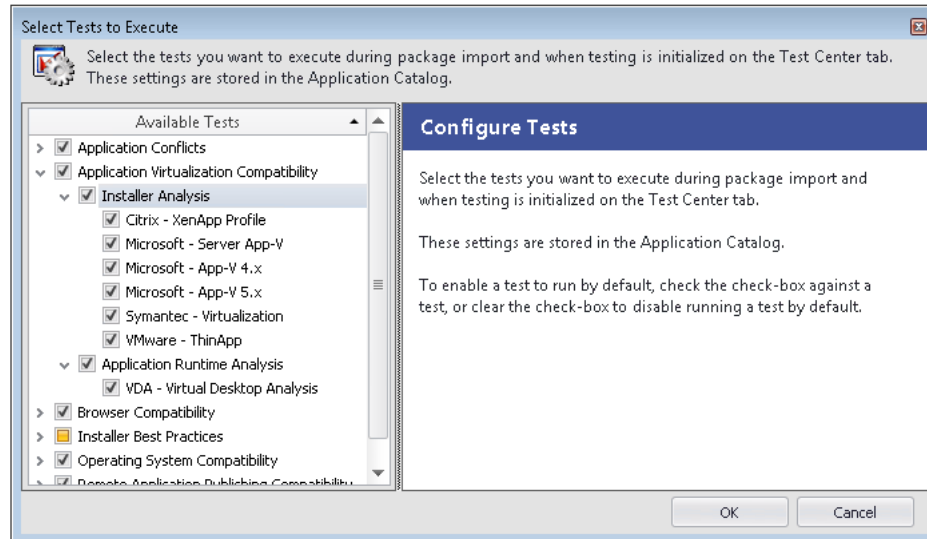
Figure 33: Select Tests to Execute Dialog Box

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.
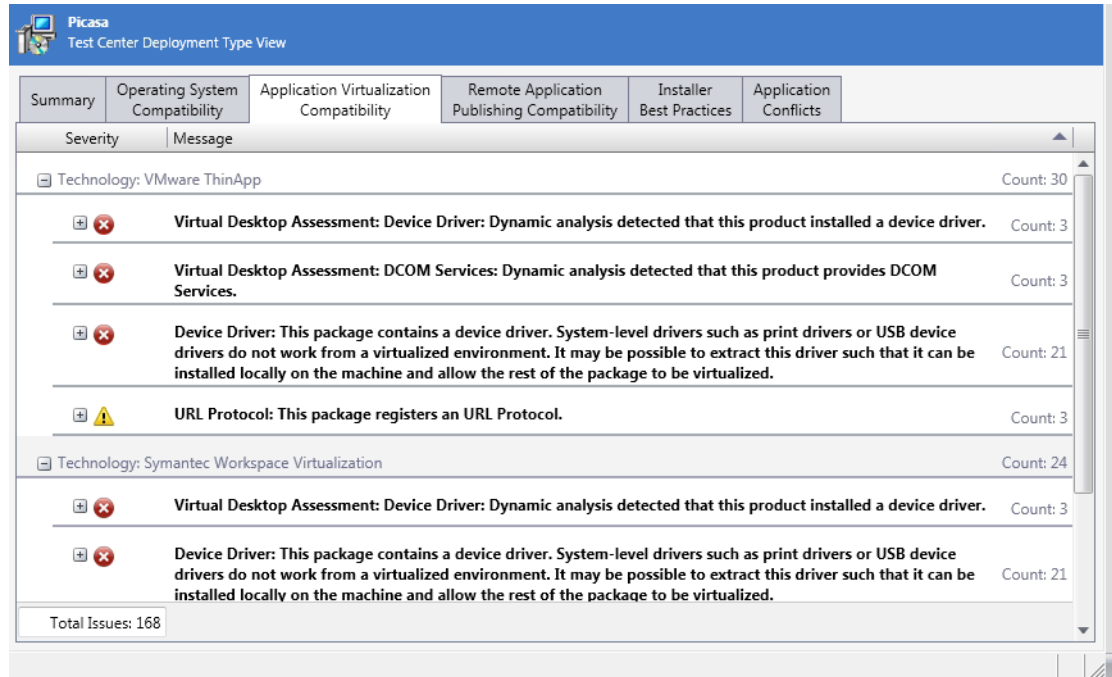
Figure 34: Virtual Desktop Assessment Test Results

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.
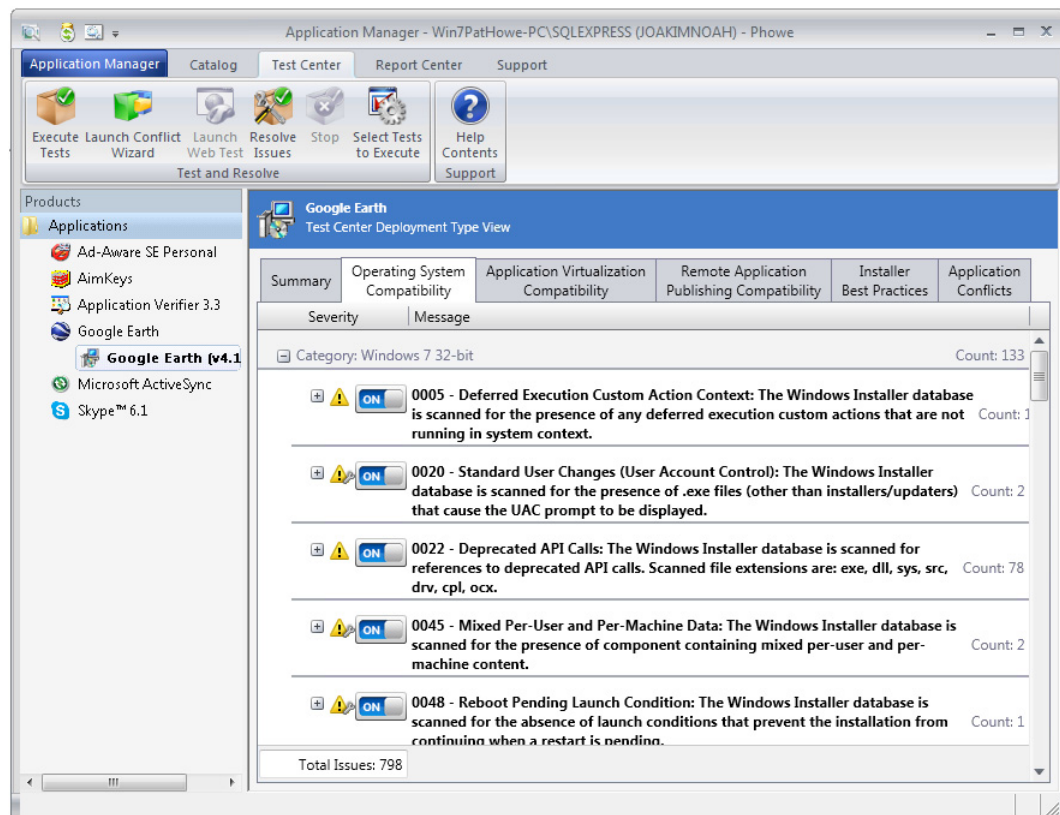
Figure 35: Operating System Compatibility Tab of Test Center Deployment Type View

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**.
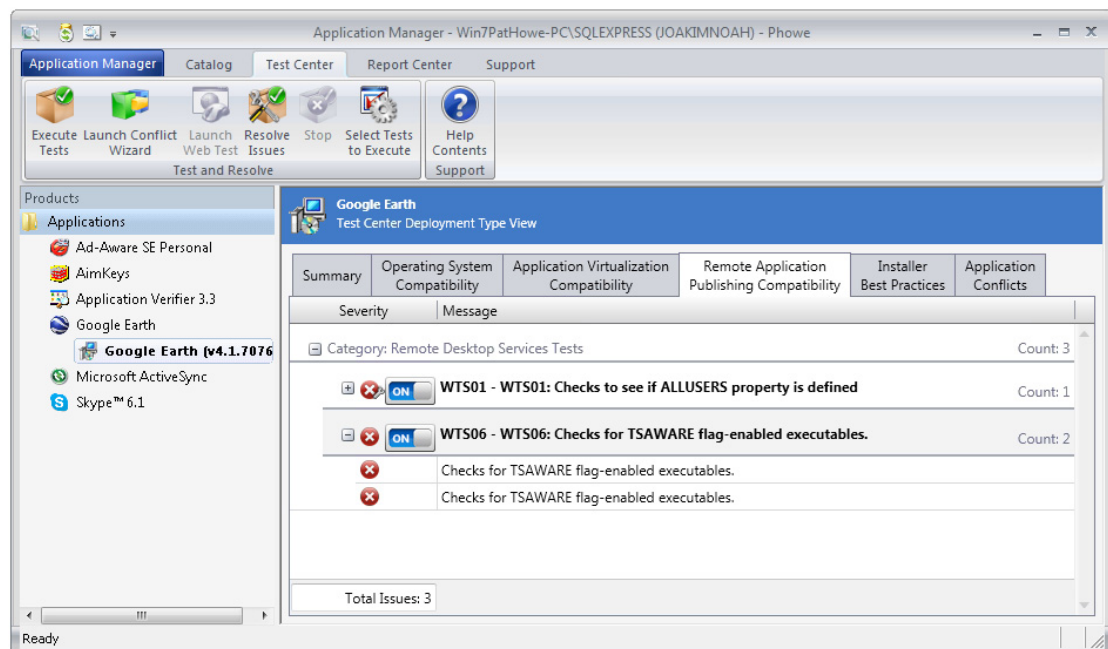
Figure 36: Remote Application Publishing Compatibility Tab

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**.
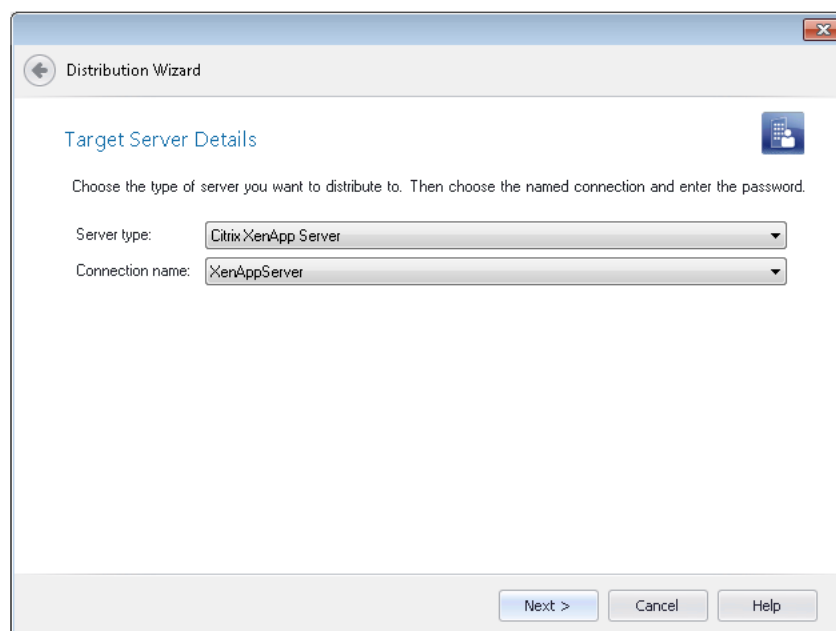
Figure 37: Selecting a Citrix XenApp Server on Target Server Details Panel

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.
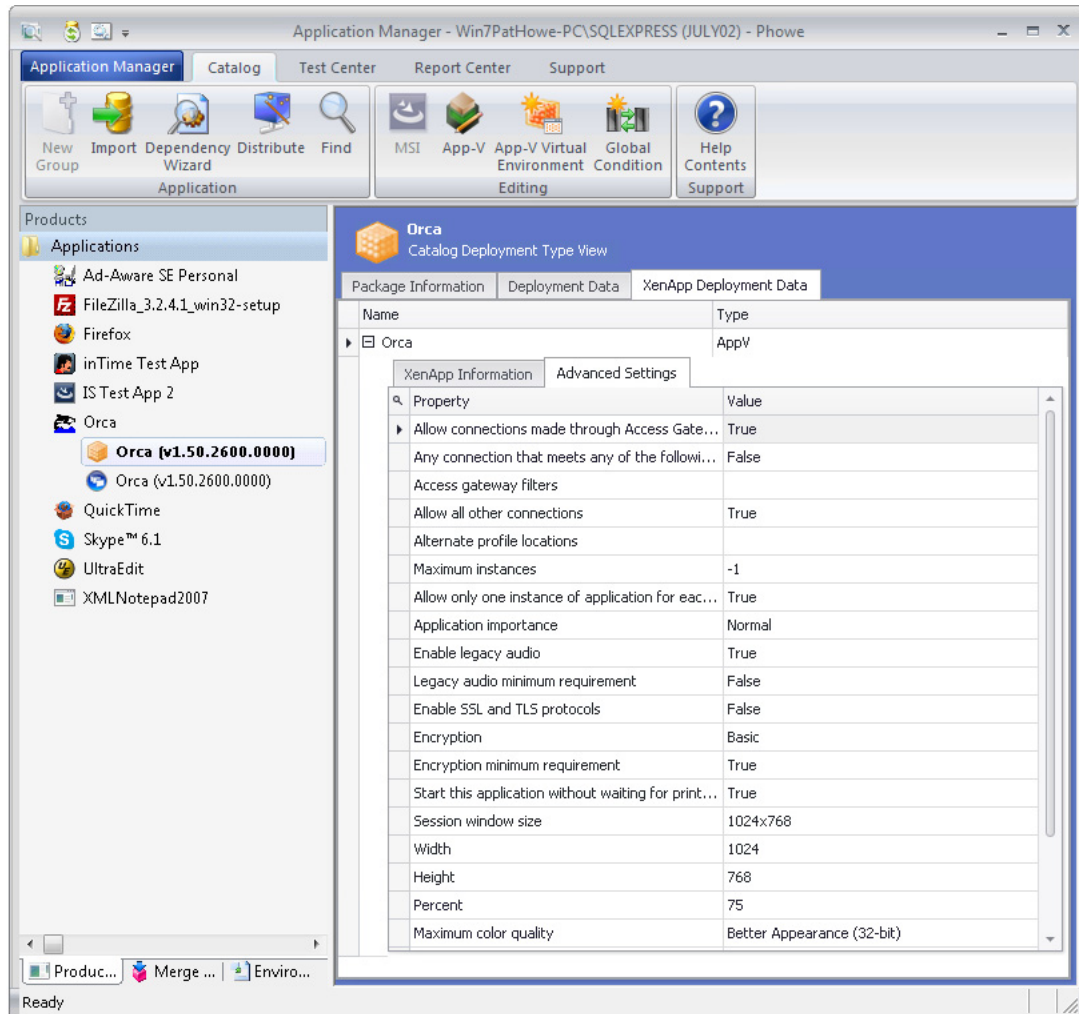
Figure 38: XenApp Deployment Data Tab of Catalog Deployment Type View

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:
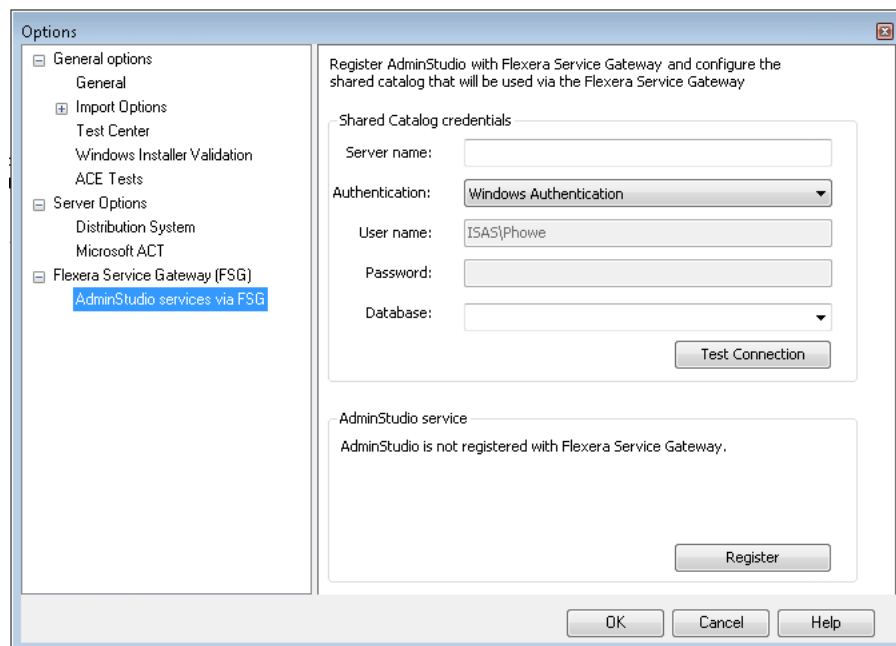
Figure 39: Specifying a Shared Application Catalog Database

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.
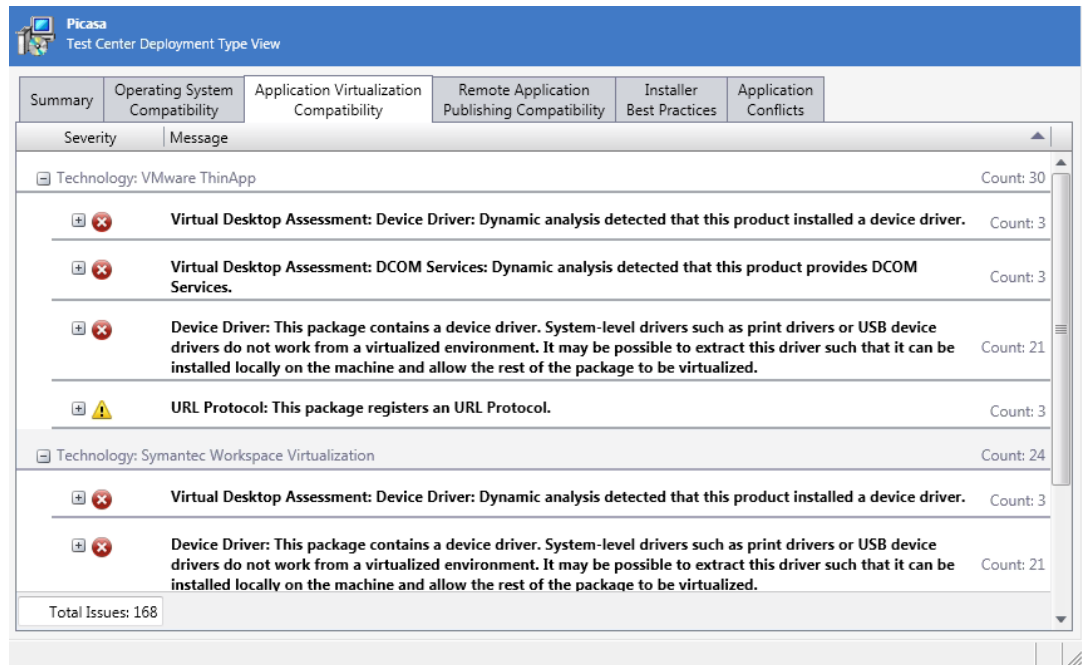
Figure 40: Virtual Desktop Assessment Test Results

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.
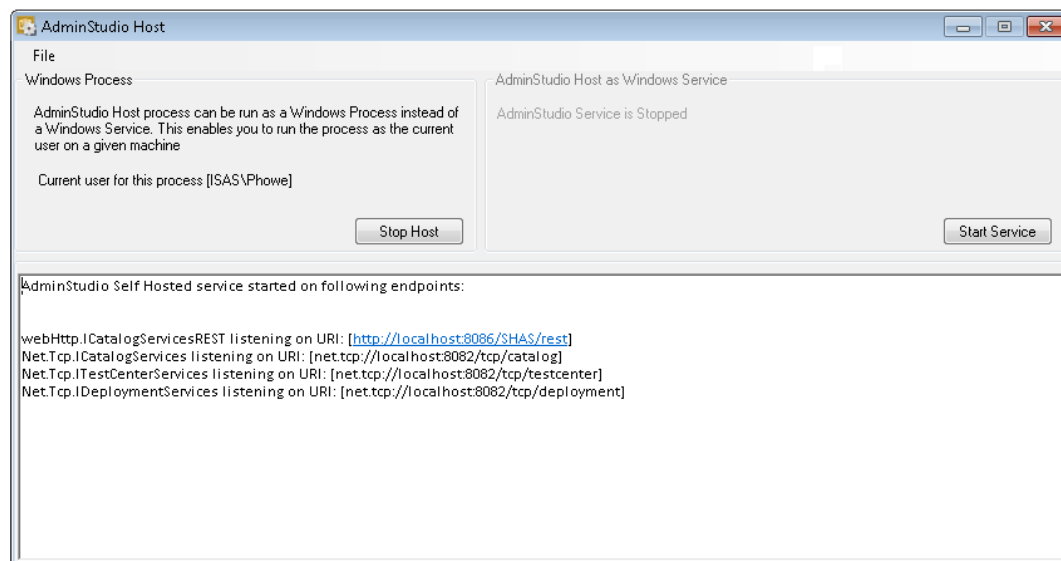
Figure 41: AdminStudio Host Dialog Box

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:

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:

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: ● **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:

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 Resolve-ASPackage 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:

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:
	
	`New-ASCatalog -CatalogName mycatalog -UseSoftwareRepository`
	`    SoftwareRepositoryUser=JoeSmith;`
	`    SoftwareRepositoryPassword=mypassword123;`
	`    SoftwareRepositoryPath=C:\MyRepository;`

Parameter	Description
[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:

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

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 R2 Standard and Professional Editions. InstallShield 2013 Premier Edition is shipped with AdminStudio 2013 R2 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 on the Flexera Software website at:

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

Components/Editions

AdminStudio 2013 R2 is available in Standard, Professional, and Enterprise Editions. You can also purchase an additional Application Virtualization Pack, Application Compatibility Pack, and Mobile Pack.

Edition	Add On Pack	Tools	Functionality
Standard	None	Repackager	Repackage applications into Windows Installer format Perform basic ISO tagging, including creation of tag files
		Distribution Wizard	Prepare packages for distribution
		InstallShield 2013 (Professional Edition)	Customize Windows Installer packages by either directly editing them or by creating transforms
		Tuner	Customize Windows Installer packages by creating transforms
		Application Isolation Wizard	Resolve component versioning conflicts
	Application Virtualization Pack	Automated Application Converter (Single Application Version)	Convert a package to a virtual application in the following formats: ● Microsoft App-V (4.x and 5.0 SP2) ● Citrix XenApp ● VMware ThinApp ● Symantec Workspace Convert one package at a time
		Virtual Package Editor	Edit App-V packages
		Microsoft App-V Assistant / ThinApp Assistant / Citrix Assistant	Create a customized virtual package from an InstallShield project

Edition	Add On Pack	Tools	Functionality
Professional	None	*Same as **Standard**, plus:*	
		Application Manager / Catalog	Manage applications in an Application Catalog database
			Manage a package's System Center 2012 Configuration Manager and Symantec Altiris Client Management Suite deployment data
			View an application's System Center 2012 Configuration Manager deployment status
			Perform advanced ISO tag file creation, editing, and storage
		Application Manager / Test Center	Perform tests in the following categories:
			● Windows Installer Internal Consistency Evaluators
			● Windows Installer Best Practices
			● Application Conflicts
			Test and fix one package at a time
		OS Snapshot Wizard	Capture basic operating system configuration in an OS Snapshot, which can be imported into the Application Catalog to check for potential OS conflicts
		QualityMonitor	Perform Windows Installer testing, including testing in a locked down environment

Edition	Add On Pack	Tools	Functionality
Professional (Continued)	**Application Virtualization Pack**	*Same as **Standard**, plus:*	
		Enhancements to **Application Manager / Catalog**	Import virtual packages into Application Catalog
			View virtual package data in Application Manager
			Manage System Center 2012 Configuration Manager deployment data for App-V 4.x and 5.0 SP2 packages
			Manage Citrix XenApp Server deployment data for Citrix XenApp profiles and App-V 4.x packages
			Manage Symantec Altiris Client Management Suite deployment data for Symantec Workspace and VMware ThinApp packages
		Enhancements to **Application Manager / Test Center**	Test packages for compatibility to be virtualized to App-V, ThinApp, XenApp, and Symantec Workspace formats
			Test App-V packages for best practices
			Test App-V packages for conflicts with other packages
		Enhancements to **Distribution Wizard**	Publish App-V packages to System Center Configuration Manager and Citrix XenApp Server
			Publish Citrix XenApp profiles and App-V 4.x packages to Citrix XenApp Server
			Publish Symantec Workspace and VMware ThinApp packages to Symantec Altiris Client Management Suite Server
	Application Compatibility Pack	Enhancements to **Application Manager / Test Center**	Test packages for compatibility with the following operating systems: • Microsoft Windows 7 (32-bit and 64-bit) • Windows 8 (32-bit and 64-bit) • Windows Server 2008 R2 • Windows Server 2012 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 (even if the package has been previously tested) Ability to display Microsoft Application Compatibility Toolkit (ACT) database test results on **ACT Summary** tab of the **Test Center Deployment Type View**

Edition	Add On Pack	Tools	Functionality
Enterprise	None	*Same as **Professional**, plus:*	
		InstallShield 2013 (Premier Edition instead of Professional Edition)	Advanced customization of Windows Installer packages by either directly editing them or by creating transforms
		AdminStudio Virtual Desktop Assessment (Limited Edition)	Monitor the behavior of computers, users, and applications in your enterprise and gather data on the desktop environment In Test Center, perform testing to determine whether a Windows Installer package is a suitable candidate for conversion to a virtual desktop
		Application Manager / Report Center	Advanced reports including detailed summary and dashboard reports on Test Center test results, package data, and deployment information
		Platform API	Use to integrate your existing .NET applications or scripting environments like Microsoft PowerShell with AdminStudio
		Software Repository	Secure storage system for AdminStudio package data, including version management
		OS Security Patch Wizard	Import Windows OS patches into the Application Catalog in order to test the impact they will have on your environment before they are deployed
		Report Center (Web Tool)	Generate reports on packages stored in the Application Catalog, including reports using custom SQL queries
		Security Console (Web Tool)	Manage AdminStudio user accounts and directory services Manage AdminStudio roles and permissions

Edition	Add On Pack	Tools	Functionality
Enterprise (Continued)	**Application Virtualization Pack**	*Same as **Professional**, plus:*	
		Automated Application Converter (Multiple Application Version)	Ability to perform automated conversion of multiple packages at a time
		Enhancements to **Application Manager** / **Report Center**	Includes the Application Virtualization Compatibility Dashboard report

Report Center's Application Readiness Dashboard includes an Application Virtualization Compatibility summary chart and App-V Best Practices and App-V Conflicts test results summary charts. |
| | **Application Compatibility Pack** | *Same as **Professional**, plus:* | |
| | | Enhancements to **Application Manager** / **Test Center** | Import of web applications into the Application Catalog

Test web applications for compatibility with the following browsers:

- Internet Explorer 8
- Internet Explorer 9
- Internet Explorer 10 |
| | | Enhancements to **Application Manager** / **Report Center** | Display of Microsoft ACT database test results on the Report Center tab |
| | **Application Compatibility Pack / Batch Testing Option** | *Same as **Application Compatibility Pack** / **Enterprise**, plus:* | |
| | | Enhancements to **Application Manager** / **Report Center** | Ability 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 |
| | | Enhancements to **Platform API** | Ability to use the `Test-ASPackage` and `Resolve-ASPackage` Platform API commands to perform batch package testing and issue resolution. |

*Note • If you purchase the Enterprise Edition with the Application Compatibility Pack on the **Per User** license model (instead of the **Per Admin** license model), the **Batch Testing** option is included.*

Edition	Add On Pack	Tools	Functionality
Enterprise (Continued)	**Mobile Pack**	Enhancements to **Application Manager / Catalog**	Import of Apple iOS applications (`.ipa`), Apple firmware packages (`.ipsw`), and Microsoft Windows Store applications (`.appx`) into Application Catalog
			Ability to view deployment data for Windows Store applications, including detection methods and framework customizations
			Ability to manage an iOS application's AirWatch Server deployment data
		Enhancements to **Distribution Wizard**	Ability to publish mobile applications to System Center 2012 Configuration Manager R2
			Ability to publish internal iOS applications to AirWatch server

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 Systems	● Windows 7 ● Windows 8 and Windows 8.1 ● Windows Server 2008 R2 ● Windows Server 2012 and Windows Server 2012 R2 *Note • Support for Windows Vista was removed due to a modification made by Microsoft. For more information, see the following articles:* ● *An ADO application does not run on down-level operating systems after you recompile it on a computer that is running Windows 7 SP 1 or Windows Server 2008 R2 SP 1 or that has KB983246 installed [Microsoft Article 2517589]* ● *A Better Solution for the Windows 7 SP1 ADO GUID Changes*
Browser	Microsoft Internet Explorer 7.0 or later
Privileges	Administrative privileges on the system
Supported Distribution Systems	AdminStudio supports the following distribution systems: ● System Center 2012 Configuration Manager R2 ● System Center 2007 Configuration Manager ● Symantec Altiris Client Management Suite 7.5 ● Citrix XenApp Server 6.5 ● AirWatch Server 6.5

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	SQL Server 2008 R2 or later databases, including SQL Server 2012 (latest version preferred). ● SQL Server must be installed with case-insensitive dictionary sort order and ISO-8859-1 character set. (Use *sp_helpsort* T-SQL command for more information.) ● `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 and/or Workflow Manager.

Item	Description
Platform	32-bit or 64-bit processor at 2 GHz or greater 📝 *Note • AdminStudio Enterprise Server / Workflow Manager runs in 32-bit mode on a 64-bit OS.*
RAM	4 GB or greater (8 GB preferred)
Hard Disk Space	100 GB or greater
Operating System	Windows Server 2008 R2 or later (Windows Server 2012 preferred)
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

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	- **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.

Virtual Format	Requirement
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 R2 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

This section lists the customer issues that were resolved in the following versions of AdminStudio:

- AdminStudio 2013 R2

- AdminStudio 2013

AdminStudio 2013 R2

The following table lists the customer issues that were resolved in AdminStudio 2013 R2:

Issue Number	Issue Summary
IOA-000053815	There should be a **Return License** button on the **About AdminStudio** dialog box.
IOA-000069517	Microsoft Visual Studio crashes when creating a new InstallShield project.
IOA-000075402	The **Process Assistants** tab should call `RetrieveAssignedCatalogUsers` web service from `authentication.asmx`.
IOA-000077164	Specify `SQL_Latin1_General_CP1_CI_AS` as the required collation setting for the AdminStudio database server.
IOA-000077320	Update the documentation on which SQL scripts to run when manually upgrading the Application Catalog.
IOA-000077408	When attempting to open the **Report Center** tab, it does not become active until after 9-10 minutes.
IOA-000077734	Documentation on creating a new Application Catalog does not include the `ApplicationExtendedAttributes` script.
IOA-000078117	Would like to be able to use PowerShell API commands to obtain overall Test Center test results, not just individual test results.
IOA-000078728	Would like the ability to install either InstallShield Editor or Tuner remotely.
IOA-000079372	When you import a Windows Installer file with a transform file into the Application Catalog, the **File** field on the **Package Information View** for the package shows that the Windows Installer file has been modified even though it has not been modified.
IOA-000079825	When you distribute packages (rather than applications) from AdminStudio to System Center Configuration Manager, catalog items in App Portal are not being created.
IOA-000080201	Repackager issue with `.ini` file target if the `INSTALLDIR` contains an apostrophe.
IOA-000080705	When you run an App-V package installer that has been built by AdminStudio on a machine with the App-V client running in standalone mode, the installer fails.
IOA-000081013	The AdminStudio **Process Assistants** tab should be calling the `RetrieveCatalogUsers` web method from AdminStudio Enterprise Server.

Issue Number	Issue Summary
IOA-000081156	Application Manager crashes when validating the System Center Configuration Manager connection information on the **Distribution System** tab of the Application Manager **Options** dialog box.
IOA-000081273	The Distribution Wizard **Distribution Progress** panel lists the name of the wrong application at the beginning of the output messages, even when it distributes the correct application.
IOA-000081294	The **Application Catalog Wizard** does not create the catalog with `SQL_Latin1_General_CP1_CI_AS` collation on a SQL Server that uses a different collation.
IOA-000081295	Upgrading an AdminStudio database having a different collation than `SQL_Latin1_General_CP1_CI_AS` results in Application Manager crashing at various stages.
IOA-000081604	Documentation on how to set software identification tag file options was incorrect.
IOA-000081691	The drop statement for `ASTestAssessmentProc` in `AS_StoredProcedures.sql` drops the wrong stored procedure.
IOA-000081762	Operating System Compatibility tests do not run on a Windows Installer package that has custom tables with a '.' (period) in the name.
IOA-000081813	Constraint `FK_ASCMPropertyValue_ScriptInstaller` does not get created when upgrading the Application Catalog from the AdminStudio 11.5 SP2 schema to the AdminStudio 2013 schema.
IOA-000081852	If an OS Snapshot has been imported into the Application Catalog, Application Manager throws an error when clicking on an application in Test Center.
IOA-000081986	Operating System Compatibility reports are not displayed in Report Center.
IOA-000081987	`Files could not be extracted` error is generated when running the Operating System Compatibility tests against a compressed Windows Installer package; however no such errors occur when running the tests against the Administrative install of the same package.
IOA-000082359	If you import a compressed Windows Installer package, an exclamation mark will be displayed on the package node, indicating that there is some problem with the modified date of one of the files/transform files related to the package. However, if you reimport the Windows Installer package, the exclamation mark goes away.
IOA-000082526	AdminStudio is unable to create catalog items in AppPortal, The `AdminStudioHost.log` shows a `Connecting string not initialized` error.

Issue Number	Issue Summary
IOA-000082575	When an Application Catalog is created as a subscriber, during the import of a package, the **Destination Group** will only show the default `Applications` folder.
IOA-000082689	You are unable to upgrade an AdminStudio Application Catalog database if you are using an SQL login with `db_owner` privileges on the database. Additional privileges (`sysadmin`) are required.

IOA-000082691	Renaming a Virtual Package Editor file generates an error:
	
	`The system cannot find the file specified (Exception from HRESULT`
	`  0x80070002).`

IOA-000082774	Request to improve logging when distributing files to System Center Configuration Manager. Need to list what files are being copied, what credentials are being used to access the source, and what credentials are being used to copy the files.
IOA-000083006	When importing an .msi with a transform on a machine with international date format (`dd/mm/yyyy`) where the day is > 12, it generates an SQL insert failure and drops the transform from the tables, although the effect of the transform is loaded into the tables.
IOA-000083081	Upgrading to AdminStudio 2013 through the AdminStudio client fails with an error message when upgrading a package that has a single quote (') in its name or in its path.
IOA-000083121	In AdminStudio 2013, the Application Catalog upgrade process stops when the upgrade of a single package fails. The upgrade process should continue with the rest of the packages.
IOA-000083150	In AdminStudio 2013, the upgrade of an Application Catalog that uses the European date format fails.
IOB-000062872	If an OS Snapshot is imported into the Application Catalog for AdminStudio Professional Edition, the OS Snapshot is imported correctly, but Application Manager fails to show any further information: there is no visibility of files registries, etc. If you upgrade to Enterprise Edition, all information is displayed correctly,
IOB-000063049	AdminStudio 2013 requires the database collation to be `SQL_Latin1_General_CP1_CI_AS`. However, by default, SQL Server sets the database collation to `Latin1_General_CI_AS` on non U.S. systems, and then Application Manager uses this as the default collation setting. During Application Catalog creation, AdminStudio should always set the database collation to `SQL_Latin1_General_CP1_CI_AS`, and for existing Application Catalogs, this collation setting should be set during upgrade.
IOB-000063105	SQL errors generated when attempting to create a SQL Server 2005 database with AdminStudio 2013.

Issue Number	Issue Summary
IOB-000063367	In Application Manager, some packages are failing to import.

AdminStudio 2013

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 `Invoke-ASPublish` PowerShell command did not include a description of the `-sccmtargetgroup` parameter.
IOA-000074807	When running on a Windows 7 x64 machine, Quality Monitor generates the following error when running Lockdown and Runtime Tests: `'InjectLibrary failed. Error = 123'`
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 Detections 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.
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.

Issue Number	Issue Summary
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 *Creating Customizable Reports* 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.
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.

Issue Number	Issue Summary
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.

Known Issues

For a complete list of known issues that pertain to the AdminStudio 2013 R2 release, see the AdminStudio Support Knowledge Base article Q213527 at:

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