

AdminStudio 2022 R2 SP1 Release Notes

December 2022

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Introduction

AdminStudio is the starting point for any software's Operating System Compatibility Assessment, Risk Assessment, Deployments, Updates, New Releases, New Applications, and Windows 10 migrations. More than a packaging tool, AdminStudio arms your IT team with a complete application readiness solution, enabling you to identify and mitigate issues before pulling the deployment trigger. No more surprises.

With AdminStudio, you can:

- Improve service quality and streamline service delivery
- Decrease risk and embrace new technologies faster
- Eliminate mobile application security and compatibility concerns
- Reliably prepare and deploy application virtualization formats
- Integrate seamlessly with leading software deployment systems
- Simplify and unify application management with standardized processes
- Boost efficiency with a central application repository
- Identify application packaging issues in minutes instead of days

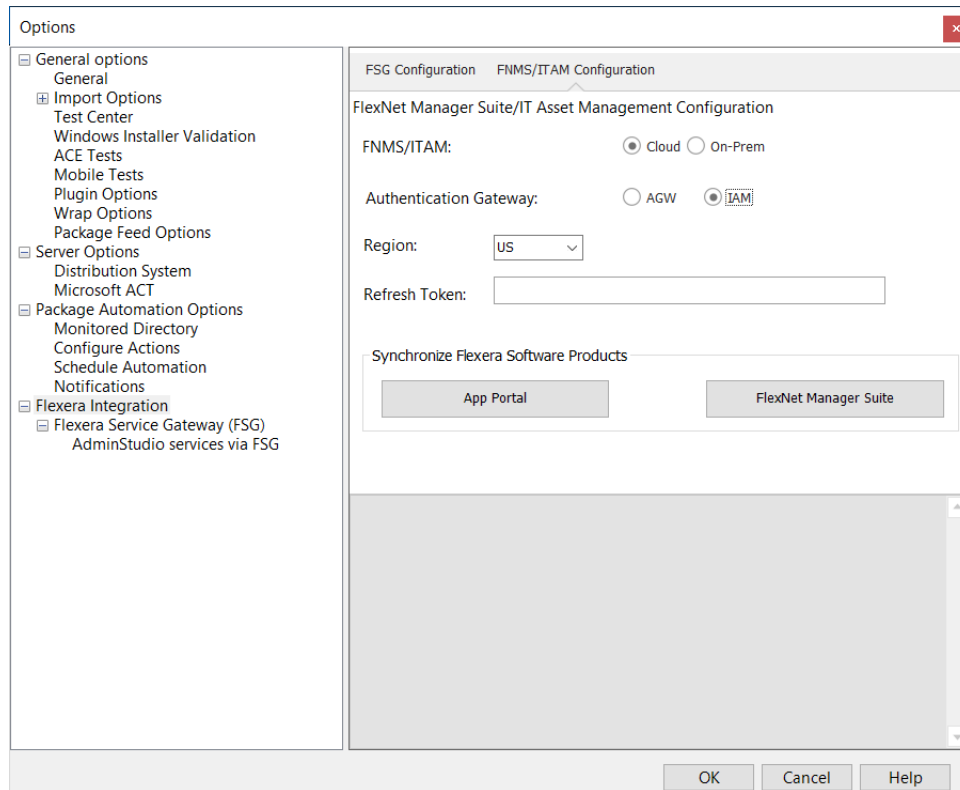
New Features in AdminStudio 2022 R2 SP1

This section lists the new features that are included in AdminStudio 2022 R2 SP1:

- [IAM Authentication Support for FlexNet Manager Suite/IT Asset Management Integration](#)
- [Support for Windows 11 - 22H2 and Windows 10 - 22H2](#)
- [PowerShell Cmdlets / REST API Enhancement](#)

IAM Authentication Support for FlexNet Manager Suite/IT Asset Management Integration

AdminStudio can now leverage IAM authentication to integrate with FNMS/ITAM via Flexera Service Gateway. To use IAM authentication for integration, select **IAM** as the Authentication Gateway in the FNMS/ITAM Configuration tab and provide the valid details.



Support for Windows 11 - 22H2 and Windows 10 - 22H2

In AdminStudio 2022 R2 SP1, you will be able to test compatibility of your applications against the latest Windows Operating Systems: Windows 11 22H2 and Windows 10 22H2.

Analyze View

7-Zip 21.07 (x64 edition)
Analyze Deployment Type View

Supportability Risks

Summary

Test Category	Overall Assessment
Operating System Compatibility	
Windows 10 22H2 32-bit	
Windows 10 21H2 (and 2022 LTSC) 32-bit	
Windows 10 21H1 32-bit	
Windows 10 20H2 32-bit	
Windows 10 1809 (and 2019 LTSC) 32-bit	
Windows 8.1 32-bit	
Windows 11 22H2 64-bit	
Windows 11 21H2 64-bit	
Windows 10 22H2 64-bit	
Windows 10 21H2 (and 2022 LTSC) 64-bit	
Windows 10 21H1 64-bit	
Windows 10 20H2 64-bit	
Windows 10 1809 (and 2019 LTSC) 64-bit	
Windows 8.1 64-bit	
Windows Server 2019	

Adobe Self Extractor
Analyze Deployment Type View

Supportability Risks

Windows 11 22H2 64-bit

13 Tests Executed 0 Errors 2 Warnings 0 Issues Suppressed 3 Total Auto-Fix Available

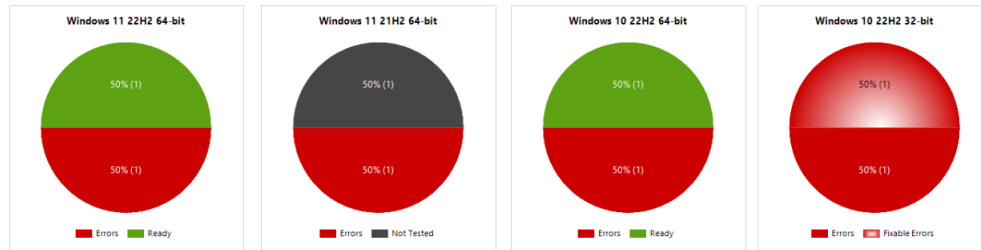
Severity	Message	Count
Warning	7408 - Unsupported DHTML Editing Control: The Windows Installer database is scanned for the use of DHTML Editing Control functionality. Scanned file extensions are: exe, dll, ocx.	2
Warning	7444 - Invalid Component Identifiers: The Windows Installer database is scanned for the presence of components with null, invalid or duplicated component identifiers.	1

Reports View

AdminStudio®

Operating System Application Compatibility

This report shows the overall status of operating system application compatibility testing for each operating system. Each slice shows the number of packages in a status category. To see a list of the packages in a specific status category, click on that slice.



PowerShell Cmdlets / REST API Enhancement

In AdminStudio 2022 R2 SP1, the following new PowerShell Cmdlets and REST APIs have been added:

POWERSHELL CMDLETS	REST API	DESCRIPTION
Get-ASGetBacklogRequests	<code>http://localhost:8086/catalog/backlogRequests/?ProductName=XXX&version=X.X&Vendor=XXX</code>	When you run this Cmdlets or API, it gets list of package requests from the Backlog. ProductName is a mandatory parameter.

The following existing PowerShell cmdlets / REST API have extended support:

POWERSHELL CMDLETS	REST API	DESCRIPTION
New-ASPackageRequest	<code>http://localhost:8086/catalog/packagerequest/{Product=XYZ}&{Vendor=XYZ}&{Version=XX.X}&{Priority=n}&{Source=XYZ}</code>	<ul style="list-style-type: none">When a duplicate package request is sent to AdminStudio, the below warning message is displayed: “Package request not added. A request for this application already exists in the AdminStudio Backlog”.Product and Vendor parameters are taken into consideration for the duplicate checks.

Editions

AdminStudio 2022 R2 SP1 is available in Professional and Enterprise Editions. The following table lists the tools and features available in each of AdminStudio's editions.

Edition	Feature Type	Tools	Functionality
PROFESSIONAL	General	Application Manager / Home Tab	<ul style="list-style-type: none"> Manage applications in an Application Manager database. Manage a package's ConfigMgr (Formerly Called as Software Center Configuration Manager) (2012 or ConfigMgr 2002) and Symantec Altiris Client Management Suite deployment data. View an application's ConfigMgr (Formerly Called as Software Center Configuration Manager) (2012 or ConfigMgr 2002) deployment status. Perform advanced ISO tag file creation, editing, and storage. Package Automation with Package Feed Module—You can use the Package Feed Module option of the Import Wizard to subscribe to up to 10 applications for bulk execution.
		Application Manager / Analyze Tab	Perform tests in the following categories: <ul style="list-style-type: none"> Windows Installer Internal Consistency Evaluators Windows Installer Best Practices Application Conflicts Test and fix one package at a time
		Distribution Wizard	Publish applications to ConfigMgr (Formerly Called as Software Center Configuration Manager) (2012 or ConfigMgr 2002) and Symantec Altiris Management Server.
		OS Snapshot Wizard	Capture basic operating system configuration in an OS Snapshot, which can be imported into the Application Manager to check for potential OS conflicts
		QualityMonitor	Perform Windows Installer testing, including testing in a locked down environment

Edition	Feature Type	Tools	Functionality
PROFESSIONAL (Continued)	General (Continued)	Automated Application Converter (Single Application Version)	Automatically repackage a legacy package (.exe) into a Windows Installer package (.msi)
		Conversion Wizard (Single Application Version)	Repackage one package at a time
		Test on Virtual Machine Wizard	Automatically launch a specified virtual machine and install a selected Windows Installer (.msi), App-V package (.appv), or installation executable (.exe) package for testing.
		Repackager	Repackage applications into Windows Installer format Perform basic ISO tagging, including creation of tag files
		Packager Distribution Wizard	Prepare packages for distribution
		InstallShield 2022 R1 (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	Enhancements to Application Manager / Home Tab	<p>Import virtual packages into Application Manager</p> <p>View virtual package data in Application Manager</p> <p>Manage ConfigMgr (Formerly Called as Software Center Configuration Manager) (2012 or ConfigMgr 2002) deployment data for App-V 4.x and 5.1 packages</p> <p>Manage Citrix XenApp Server deployment data for Citrix XenApp profiles and App-V 4.x packages</p> <p>Manage Symantec Altiris Client Management Suite deployment data for Symantec Workspace and VMware ThinApp packages</p> <p>Manage App-V Server deployment data for App-V 4.x and 5.1 packages</p>

Edition	Feature Type	Tools	Functionality
PROFESSIONAL (Continued)	Application Virtualization (Continued)	Enhancements to Application Manager / Analyze Tab	Test packages for compatibility to be virtualized to App-V, ThinApp, and XenApp formats Test App-V packages for best practices Test App-V packages for conflicts with other packages
		Enhancements to Distribution Wizard	Publish applications containing App-V 4.x and 5.1 packages to Microsoft App-V Server Publish applications containing App-V packages to ConfigMgr (Formerly Called as Software Center Configuration Manager) (2012 or ConfigMgr 2002) and Citrix XenApp Server Publish applications containing Citrix XenApp profiles and App-V 4.x packages to Citrix XenApp Server Publish applications containing Symantec Workspace and VMware ThinApp packages to Symantec Altiris Client Management Suite Server
		Automated Application Converter (Single Application Version) Conversion Wizard (Single Application Version)	Convert a package to a virtual application in the following formats: <ul style="list-style-type: none"> ● Microsoft App-V (4.x and 5.1) ● Citrix XenApp ● VMware ThinApp (4.x and 5.x) Convert one package at a time
		Virtual Package Editor	Edit App-V packages
		MSIX Editor	Edit MSIX packages
		Microsoft App-V Assistant ThinApp Assistant Citrix Assistant	Create a customized virtual package from an InstallShield project

Edition	Feature Type	Tools	Functionality
PROFESSIONAL (Continued)	Application Compatibility Testing	Enhancements to Application Manager / Analyze Tab	<p>Test packages for compatibility with the following operating systems:</p> <ul style="list-style-type: none"> • Windows 8.1 (32-bit and 64-bit) • Windows 10 1809 (and 2019 LTSC) (32 bit and 64 bit) • Windows 10 20H2 (32 bit and 64 bit) • Windows 10 21H1 (32 bit and 64 bit) • Windows 10 21H2 (32 bit and 64 bit) • Windows 10 22H2 (32 bit and 64 bit) • Windows 11 21H2 (64 bit) • Windows 11 22H2 (64 bit) • Windows Server 2008 R2 • Windows Server 2012 and 2012 R2 • Windows Server 2016 • Windows Server 2019 <p>On the Operating System Compatibility tab of the Analyze Deployment Type View, you can see detailed data for only the last package tested; for all other packages in the Application Manager, this tab is blank (even if the package has been previously tested)</p> <p>Ability to display Microsoft Application Compatibility Toolkit (ACT) database test results on ACT Summary tab of the Analyze Deployment Type View</p>
	Mobile App and macOS Support	Enhancements to Application Manager / Home Tab	<ul style="list-style-type: none"> • Import of the following macOS desktop applications into the Application Manager: <ul style="list-style-type: none"> • Apple installer package (.pkg file) • Apple disk image (.dmg file) • Mac App Store app (public store link) • Import of the following mobile app formats into the Application Manager: <ul style="list-style-type: none"> • Apple iOS mobile apps (local and public store link) • Google Android mobile apps (local and public store link) • Microsoft Windows Store mobile apps (local and public store link)

Edition	Feature Type	Tools	Functionality
PROFESSIONAL (Continued)	Mobile App and macOS Support (Continued)	Enhancements to Application Manager / Home Tab (Continued)	<ul style="list-style-type: none"> ● Ability to import iOS Enterprise Policy Configuration files, view their settings, and determine the policy compatibility of iOS mobile apps. ● Ability to view iOS and Android mobile app reporting on feature use, device compatibility, and OS compatibility. ● Ability to customize Apple Installer Package PKG installer settings ● Ability to view deployment data for Windows Store mobile apps, including detection methods and framework customizations ● Ability to manage AirWatch Server deployment data for both Apple iOS and Google Android mobile apps (local and public store link) ● Ability to view and modify Casper deployment settings for macOS desktop applications
		Enhancements to Application Manager / Analyze Tab	<ul style="list-style-type: none"> ● Test Apple iOS mobile apps for best practices ● Test Apple iOS, Microsoft Windows, and Google Android mobile apps for risk assessment ● Test Apple iOS, Microsoft Windows, and Google Android mobile apps for operating system compatibility ● Test macOS desktop applications (.pkg, .dmg, and Mac App Store apps) for operating system compatibility and best practices

Edition	Feature Type	Tools	Functionality
PROFESSIONAL (Continued)	Mobile App and macOS Support (Continued)	Enhancements to Distribution Wizard	<p>Ability to publish applications containing the following mobile app formats to ConfigMgr (Formerly Called as Software Center Configuration Manager) (2012 R2 or ConfigMgr 2002) and AirWatch Server:</p> <ul style="list-style-type: none"> ● Apple iOS mobile apps (local and public store link) ● Google Android mobile apps (local and public store link) <p>Ability to publish applications containing the following mobile app format to ConfigMgr (Formerly Called as Software Center Configuration Manager) (2012 R2 or ConfigMgr 2002):</p> <ul style="list-style-type: none"> ● Windows Store (local and public store link) ● Microsoft UWP app packages (.appx) <hr/> <p>Ability to publish applications containing the following package formats to JAMF Casper Suite:</p> <ul style="list-style-type: none"> ● Mac App Store app (public store link) ● Apple installer package (.pkg file) ● Apple disk image (.dmg file)

Edition	Feature Type	Tools	Functionality
ENTERPRISE	Same as Professional Edition , plus:		
	General	InstallShield 2022 R1 (Premier Edition instead of Professional Edition)	Advanced customization of Windows Installer packages by either directly editing them or by creating transforms
		Enhancements to Application Catalog / Home Tab	Package Automation with Package Feed Module —You can use the Package Feed Module option of the Import Wizard to subscribe to an unlimited number of applications for bulk execution.
		Application Manager / Reports Tab	Advanced reports including detailed summary and dashboard reports on Analyze 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
		Reports (Web Tool)	Generate reports on packages stored in the Application Manager, including reports using custom SQL queries
		Security Console (Web Tool)	Manage AdminStudio user accounts and directory services Manage AdminStudio roles and permissions
		Automated Application Converter (Multiple Application Version) Conversion Wizard (Multiple Application Version)	Automatically repackage legacy packages (.exe) into Windows Installer packages (.msi) Ability to perform automated repackaging of multiple packages at a time
	Application Virtualization	Automated Application Converter (Multiple Application Version) Conversion Wizard (Multiple Application Version)	Ability to perform automated conversion of multiple packages at a time

Edition	Feature Type	Tools	Functionality
ENTERPRISE (Continued)	Application Virtualization (Continued)	Enhancements to Application Manager / Reports	<p>Includes the Application Virtualization Compatibility Dashboard report</p> <p>The Application Readiness Dashboard includes an Application Virtualization Compatibility summary chart and App-V Best Practices and App-V Conflicts test results summary charts.</p>
	Application Compatibility Testing	Enhancements to Application Manager / Analyze Tab	<p>Ability to test and fix multiple packages or groups of packages simultaneously</p> <p>Ability to view package-level test details for Operating System Compatibility and Browser Compatibility tests for all packages in the Application Manager, not just the last one tested</p> <p>Import of web applications and web deploy packages into the Application Manager</p> <p>Test web applications for compatibility with the following browsers:</p> <ul style="list-style-type: none"> ● Internet Explorer 11 ● Microsoft Edge <p>Test web deploy packages for compatibility with the following platforms:</p> <ul style="list-style-type: none"> ● Windows Server 2012 R2 ● Windows Server 2016 ● Windows Server 2019 ● Microsoft Azure Application Services <p>Test web deploy packages for best practices.</p> <p>Test web deploy packages for browser compatibility.</p>
		Enhancements to Application Manager / Reports	Display of Microsoft ACT database test results on the Reports tab
		Enhancements to Platform API	Ability to use the Test-ASPackage and Resolve-ASPackage Platform API commands to perform batch package testing and issue resolution.

System Requirements

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

- [Compatibility Summary](#)
- [AdminStudio Machine](#)
- [Distribution Systems](#)
- [Application Catalog Database Server](#)
- [AdminStudio Enterprise Server / Workflow Manager Server](#)
- [Automated Application Converter](#)

Compatibility Summary

AdminStudio 2022 R2 SP1 supports the following versions of the listed software.

Category	Item	Supported Versions
Operating System for: <ul style="list-style-type: none">• AdminStudio• Standalone Repackager• Standalone Tuner	Microsoft Windows	<ul style="list-style-type: none">• Windows 10 20H2 (32 bit and 64 bit)• Windows 10 21H1 (32 bit and 64 bit)• Windows 10 21H2 (32 bit and 64 bit)• Windows 10 22H2 (32 bit and 64 bit)• Windows 11 21H2 (64 bit)• Windows 11 22H2 (64 bit)• Windows Server 2012• Windows Server 2012 R2• Windows Server 2016• Windows Server 2019
AdminStudio Web Server Operating System (AdminStudio Enterprise Server, AdminStudio Inventory and Rationalization, Workflow Manager)	Microsoft Windows Server	<ul style="list-style-type: none">• Windows Server 2008 R2• Windows Server 2012• Windows Server 2012 R2• Windows Server 2016• Windows Server 2019

Category	Item	Supported Versions
Application Catalog Database	Microsoft SQL Server	● 2008 R2
		● 2012
		● 2016
		● 2017
		● 2019
Flexera Software Product Integration	FlexNet Manager Platform / FlexNet Manager Suite (On Premises)	9.2 SP1 or later
	FlexNet Manager Suite (Cloud)	2014 or later
	App Portal	7.5.3 or later
	Workflow Manager	2015 or later
	Flexera Service Gateway	1.0 or later
Virtual Machines for Virtualization	VMware Workstation	6.5 or later
	VMware ESXi	VMware ESX/ESXi Server, Version 5.5 or later
	VMware vSphere	5.5
	Microsoft Hyper-V Server	2008 R2 or later
Virtual Formats	App-V	App-V 4.5 through 5.1
	VMware ThinApp	4.x and 5x
Microsoft App-V Sequencer	App-V Sequencer	5.1

Category	Item	Supported Versions
Desktop Distribution (Applications)	ConfigMgr (Formerly Called as Software Center Configuration Manager)	2007, 2012 R2, 2012 R2 SP1, ConfigMgr 2002, ConfigMgr 2006, ConfigMgr 2010, ConfigMgr 2103, ConfigMgr 2107, ConfigMgr 2111, ConfigMgr 2203, and ConfigMgr 2207.
	Microsoft App-V Server	5.1
	Symantec Altiris Client Management Suite	7.5
	Citrix XenApp Server	6.5
Desktop Distribution (Packages)	Novell ZENworks Configuration Management	10 and 11
	LANDESK Management Suite	9
	ConfigMgr (Formerly Called as Software Center Configuration Manager)	2007, 2012 R2, 2012 R2 SP1, ConfigMgr 2002, ConfigMgr 2006, ConfigMgr 2010, ConfigMgr 2103, ConfigMgr 2107, ConfigMgr 2111, ConfigMgr 2203, and ConfigMgr 2207.
	Altiris Notification Server	6.5
	Marimba NCP	4.7.2
Mobile Distribution	AirWatch Server	6.5
	Microsoft App-V Server	5.1
	ConfigMgr (Formerly Called as Software Center Configuration Manager)	2012 R2, 2012 R2 SP1, ConfigMgr 2002, ConfigMgr 2006, ConfigMgr 2010, ConfigMgr 2103, ConfigMgr 2107, ConfigMgr 2111, ConfigMgr 2203, and ConfigMgr 2207




Category	Item	Supported Versions
Desktop Operating Systems Supported for compatibility testing	Windows	<ul style="list-style-type: none"> ● 8.1 (32-bit and 64-bit) ● 10 1809 (and 2019 LTSC) (32 bit and 64 bit) ● 10 20H2 (32 bit and 64 bit) ● 10 21H1 (32 bit and 64 bit) ● 10 21H2 (32 bit and 64 bit) ● 10 22H2 (32 bit and 64 bit) ● 11 21H2 (64 bit) ● 11 22H2 (64 bit)
	Windows Server	<ul style="list-style-type: none"> ● 2012 ● 2016 ● 2019
	Mac OS	<ul style="list-style-type: none"> ● 10.11 (El Capitan) ● 10.12 (Sierra)
Mobile Operating Systems Supported for compatibility testing	Apple iOS	<ul style="list-style-type: none"> ● 6 (32-bit) ● 7 (32-bit and 64-bit) ● 8 (32-bit and 64-bit) ● 9 (32-bit and 64-bit) ● 10 (32-bit and 64-bit) ● 11 (64-bit)
	Google Android	<ul style="list-style-type: none"> ● 4.1 Jelly Bean ● 4.2 Jelly Bean ● 4.3 Jelly Bean ● 4.4 KitKat ● 5.0 Lollipop ● 6.0 Marshmallow ● 7.0 Nougat
	Windows Phone	<ul style="list-style-type: none"> ● 8.1 ● 10


Category	Item	Supported Versions
Internet Browsers For viewing AdminStudio Enterprise Server, AdminStudio Inventory and Rationalization, and Workflow Manager	Mozilla Firefox	Firefox for Windows 25.0 or later
	Google Chrome	Chrome for Windows 33.0 or later
	Microsoft Internet Explorer	Microsoft Internet Explorer 9.0 or later
	Microsoft Edge	Current version
	Apple Safari	Safari for Mac OS X and iOS

Category	Item	Supported Versions
Mobile Devices	Apple iOS Devices	<ul style="list-style-type: none"> ● iPad WiFi ● iPad 2 3G and iPad 2 WiFi ● iPad Third Gen and iPad Third Gen 4G ● iPad Fourth Gen and iPad Fourth Gen 4G ● iPad Fifth Gen and iPad Fifth Gen 4G ● iPad Sixth Gen and iPad Sixth Gen LTE ● iPad Pro 9.7, 9.7 LTE ● iPad Pro 12.9, 12.9 LTE ● iPad Mini ● iPad Mini 3 and iPad Mini 3LTE ● iPad Mini 4G ● iPad Mini 4 and 4LTE ● iPad Mini Retina and iPad Mini Retina 4G ● iPhone 4S ● iPhone 5, iPhone 5c, and iPhone 5s ● iPhone 6 and iPhone 6 Plus ● iPhone 6s and iPhone 6s Plus ● iPhone SE
	Google Android Devices	<ul style="list-style-type: none"> ● Samsung Galaxy Grand 2 ● Google Nexus 5, 5X, 6, 6P, 9 ● Samsung Galaxy Note 2, 3, 4, 5, 6, 7 ● Samsung Galaxy Note Pro ● Samsung Galaxy S4, S5, S7 ● Samsung Galaxy Tab S2, 3
	Windows Phone Devices	<ul style="list-style-type: none"> ● Microsoft Lumia535 ● Microsoft Lumia 930 ● Microsoft SurfacePro 3
API	PowerShell	4.x
	REST API	
Application Compatibility	Microsoft Application Compatibility Toolkit (ACT)	5.6

AdminStudio Machine

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

Item	Description
Processor	32-bit or 64-bit processor at 2 GHz or greater  Note • All of the AdminStudio 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. It should be minimum of dual core processor.
RAM	8 GB
Hard Disk	4 GB of free space
Display	Designed for XGA at 1024 x 768 resolution or higher  Note • For the best user experience, a monitor resolution of 1920 x 1080 or greater is recommended.
MSXML	MSXML 6.0  Note • MSXML is installed by the AdminStudio installer.

Item	Description
Operating Systems	<ul style="list-style-type: none"> Windows 8.1 Windows 10 Windows 11 Windows Server 2012 Windows Server 2012 R2 Windows Server 2016 Windows Server 2019 Windows Server 2022  <p>Note • Support for Windows Vista was removed due to a modification made by Microsoft. For more information, see the following articles:</p> <ul style="list-style-type: none"> 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
Whitelist URL	<p>The following URL is used to download packages from the package feed.</p> <p>https://dl.csi7.secunia.com</p>


Distribution Systems

AdminStudio supports distribution of both applications and packages.

Application Distribution



AdminStudio supports the following distribution systems for the distribution of applications.

Distribution System	Support Version(s)
ConfigMgr (Formerly Called as Software Center Configuration Manager)	2007, 2012 R2, 2012 R2 SP1, ConfigMgr 2010, 2103, 2107, 2111, and 2203, 2207
Symantec Altiris Client Management Suite	7.5
JAMF Casper Suite Server	9.9

Distribution System	Support Version(s)
Citrix XenApp Server	6.5
VMware Workspace ONE Server	6.5
Microsoft App-V Server	5.1
	 <p>Note • In order for you to distribute packages to a Microsoft App-V Server, the WinRM service must be running, and the App-V Server must be in the list of trusted hosts. Both of these can be accomplished from PowerShell by running the following command:</p> <pre>set-item wsman:\localhost\Client\TrustedHosts -value <Machine Name></pre>
Microsoft Intune Server	2108

Package Distribution

AdminStudio supports the following distribution systems for the distribution of packages using the Legacy Distribution Wizard.

Distribution System	Supported Versions
Altiris Notification Server	Version 6.5
	 <p>Note • MSI format only.</p>
LANDESK Management Suite	Version 9
	 <p>Note • MSI format only.</p>
ConfigMgr (Formerly Called as Software Center Configuration Manager)	2007, 2012 R2, 2012 R2 SP1, 2010, 2103, 2107, 2111, 2203, 2207

Application Catalog Database Server

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



Note • While minimum requirements are listed below, the recommended system configuration for a database server is dependent upon the number of users and the number of packages that will be imported into the Application Catalog database.

Item	Description
Processor	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 2016 or later (Windows Server 2016 or later preferred)
Database Software	<p>SQL Server 2008 R2 or later databases, including SQL Server 2012, SQL Server 2014, SQL Server 2016, SQL Server 2017, and SQL Server 2019.</p> <ul style="list-style-type: none">• Dictionary sort order—SQL Server must be installed with case-insensitive dictionary sort order 52 on Code Page 1252 for non-Unicode data. For more information, use the <code>sp_helpsort</code> T-SQL command, which returns the following: Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive for Unicode Data, SQL Server Sort Order 52 on Code Page 1252 for non-Unicode data• Collation setting—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 system requirements for the Web server that hosts the Workflow Manager Data Web service and the actual Workflow Manager Web site and/or AdminStudio Enterprise Server.



Note • While minimum requirements are listed below, the recommended system configuration for this web server is dependent upon the number of users.

Item	Description
Processor	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 2016 or later / English base language (Windows Server 2016 or later preferred)
IIS	IIS 7.0 or later
.NET	.NET Framework 4.0
MSXML	MSXML 6.0  Note • MSXML is installed by the AdminStudio Enterprise Server / Workflow Manager installer.

Automated Application Converter

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 with AdminStudio Application Virtualization.

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 5.5 or later
- VMware Workstation 6.5 or later
- VMware vSphere 5.5
- 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 REST API Requirement](#)
- [VMware ESX/ESXi Server Permission Requirements](#)
- [vSphere 5.5 Account Requirements](#)

VMware REST 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 REST APIs needs to be enabled on the same machine as the Automated Application Converter.



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 REST API that was designed for that specific version of VMware Workstation. Although it is likely that newer versions of the REST API will also work, it seems that the best approach is for Automated Application Converter to use the version of the REST 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 REST 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.

vSphere 5.5 Account Requirements

In order to make Automated Application Converter (AAC) work with VMware virtual machines residing under vSphere 5.5, there are certain minimum permissions required for the vSphere user account. To assign these permissions to a vSphere user account, perform the following steps:

**Task****To configure a vSphere 5.5 account to be used with Automated Application Converter:**

1. In vSphere 5.5, open the **Assign Permissions** dialog box and assign a user the **Virtual machine power user (sample)** role, which consists of the following permissions:

Category	Permission	
Datastore	● Browse datastore	
Global	● Cancel task	
Scheduled task	● Create task	● Remove task
	● Modify task	● Run task
Virtual machine > Configuration	● Add existing disk	● Modify device settings
	● Add new disk	● Remove disk
	● Add or remove device	● Rename
	● Advanced	● Reset guest information
	● Change CPU count	● Settings
	● Change resource	● Upgrade virtual machine compatibility
	● Disk lease	
	● Memory	
Virtual machine > Interaction	● Answer question	● Power off
	● Configure CD media	● Power on
	● Configure floppy media	● Reset
	● Console interaction	● Suspend
	● Device connection	● VMware Tools install
	● Guest operating system management by REST API	
Virtual machine > Snapshot management	● Create snapshot	● Rename snapshot
	● Remove snapshot	● Revert to snapshot

2. Also give the user account read-only access to the rest of the server.

Microsoft Hyper-V Server Requirements

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

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

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

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

Virtual Machine Image Requirements

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

Virtual Machine System Requirements

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

Preparing Your Virtual Machines for Use With the Automated Application Converter

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

Virtual Technology Requirements

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

Virtual Format	Requirement
App-V 5.1	<ul style="list-style-type: none">● Conversion—To convert a package to App-V 5.1 format using Automated Application Converter's App-V 5.x with Sequencer method, the Microsoft Application Virtualization 5.1 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 5.1 format directly from Application Manager using the App-V Upgrade Wizard, the Microsoft Application Virtualization 5.1 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 5.1 Client must be installed on the same machine as AdminStudio.
VMware ThinApp	To convert a package to VMware ThinApp format, VMware ThinApp must be installed on the same machine as AdminStudio, and all license agreements must have been accepted.

Downloading AdminStudio Installers

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**:

<https://flexerasoftware.flexnetoperations.com>

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

<https://docs.flexera.com/plc/en/adminstudio.htm>

AdminStudio 2022 R2 SP1 Evaluation Restrictions

When you run AdminStudio in trial/evaluation mode, all of the features in the AdminStudio Enterprise Edition 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.

Known Issues

The following table lists the known issues in AdminStudio 2022 R2 SP1:

Issue	Description
IOK-1003457	In the Connect Application Catalog wizard, while selecting Server Authenticated catalog in the Recent tab, by default Authentication type is selected as the Windows Authentication in the Onprem SQL Server option in the Standalone tab.

Resolved Issues

The following table lists the customer issues that were resolved in AdminStudio 2022 R2 SP1:

Issue	Description
IOK-998656	While distributing to Workspace ONE, AdminStudio should consider App version to check the existence of the package.
IOK-1001633	AS_System_Schema.SQL and AS_TestCenter_SeedData.SQL script failed to execute.

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