

Quest®



KACE® Systems Deployment Appliance 8.1

Release Notes



Table of Contents

Quest® KACE® Systems Deployment Appliance 8.1 Release Notes.....	3
About this release.....	3
New features and enhancements.....	3
Resolved issues.....	4
Known issues.....	5
System requirements.....	8
Product licensing.....	8
Installation instructions.....	8
Prepare for the update.....	9
Update the appliance using an advertised update.....	9
Upload and apply an update manually.....	10
More resources.....	10
Globalization.....	10
About us.....	11
Technical support resources.....	11
Legal notices.....	11

Quest® KACE® Systems Deployment Appliance 8.1 Release Notes

This release notes document provides information about the Quest KACE Systems Deployment Appliance version 8.1.

About this release

The KACE Systems Deployment Appliance provides a network-centric solution for capturing and deploying images. The KACE Systems Deployment Appliance provides a seamless cross-platform imaging solution from a single Administrator Console enabling you to provision Microsoft® Windows®, Apple® OS X®, as well as Red Hat, CentOS and Ubuntu Linux platforms. You can deploy the configuration files, user states, and applications as an image to a single device or to multiple devices simultaneously.

The appliance provides the tools necessary to automate deployments in both homogeneous and heterogeneous hardware environments, and provides reliability of large-scale image deployments with multicast and task engine capabilities. The built-in driver feed allows for downloads of Dell drivers for business class model machines, while drivers from other manufacturers can be added manually with ease. You can also integrate the KACE Systems Deployment Appliance with the KACE Systems Management Appliance to image devices in the KACE Systems Management Appliance inventory. The KACE Systems Deployment Appliance is available as a virtual appliance.

The KACE Systems Deployment Appliance version 8.1 is a major release of the product which offers new features, enhancements, and resolved issues.



NOTE: This is the only document that is translated for this release, however the localized variants do not include information about resolve issues, enhancements, and known issues. Other guides, such as the *Administrator Guide* and in-product help are not localized at this time, and version 7.0 documents are included.

New features and enhancements

The following new features and enhancements are included in this release:

Table 1. New features and enhancements

Feature	Issue ID
Updating KACE Boot Environments (KBES) with a new Samba password is now significantly faster.	ESMEA-6017
KACE Media Manager 8.1 provides an option to include local directory of drivers to be injected into the KBE, as well as allowing drivers on the server not to be injected.	ESMEA-5950
You can now view active and recent sessions on the appliance.	ESMEA-5949
An alert appears on the Dashboard when node count equals license count.	ESMEA-5942

Feature	Issue ID
An <code>admin</code> user can modify the MySQL report user password.	ESMEA-5940
Dashboard alert appears when a new version of KACE Media Manager is downloaded to the appliance.	ESMEA-5939
The <i>Common Tasks</i> section on the <i>Home Dashboard</i> now includes links to <i>Source Media Import</i> and <i>Create a Linux Task Group</i> .	ESMEA-5937
A <i>Nightly Update Notification</i> template is added to the appliance <i>Email Notifications</i> .	ESMEA-5925
On the <i>Library Overview</i> page, <i>Source Media</i> now includes a link to <i>Import Source Media</i> .	ESMEA-5921
Expected return codes can be entered for Linux tasks.	ESMEA-5887
Reports are now available as PDF files.	ESMEA-5820
Administrators can now indicate if they want to be considered for participation in our Beta program.	ESMEA-5811
Shutdown, Reboot and Return to Dashboard options are added to the <i>Appliance Migration Wizard</i> .	ESMEA-5764
The appliance now checks for new versions of KACE Media Manager, and downloads them, if applicable.	ESMEA-5683
The <i>Sysprep Creator Wizard</i> is added in this release to allow creation and storage of Sysprep unattended files.	ESMEA-4810
A new check box is added, <i>Hide Deployment from KBE</i> . You can use it to hide deployments from the KBE.	ESMEA-604

Resolved issues

The following is a list of issues resolved in this release.

Table 2. Resolved Issues

Resolved issue	Issue ID
<code>memdisk</code> ISO for Windows KBE now boots properly after a Samba share password change.	K2-7596
iPXE was updated to accommodate newer hardware	K2-7560
Deployment menu page now loads when setting a boot action to boot just to a KBE.	K2-7552
Tools are required to have maintenance in order to update them. This includes Get/Set computer name, Sysprep executor, Media Manager, Metadata.	K2-7550

Resolved issue	Issue ID
<i>Source Media Import</i> page now sees ISO files with capital letters for the extension.	K2-7547
<i>Naming Rule</i> task did not allow file replacement for data file	K2-7541
<i>Get/Set Computer Name</i> tasks did not show the appropriate size for exporting.	K2-7539
<i>Device Inventory Link</i> broken on RSA's <i>Registration and Licensing</i> page.	K2-7537
<i>Previously Applied Updates</i> on RSA did not display any data when RSA is upgraded through the KACE Systems Deployment Appliance.	K2-7536
A read-only user could import source media from the Administrator Console if the web page in question was known.	K2-7535
Linking Key can now be copied.	K2-7534
Version number interfered with task group name field.	K2-7533
Deployment details missing on Email Notification for Custom deployments.	K2-7529
First KBE upload was not being set to default.	K2-7519
<i>Traceroute</i> troubleshooting tool did not work when initiated in the Administrator Console, in some environments.	K2-7513
Command windows could be seen through Ultra VNC with KBEs (ADK 2004+) built with Media Manager 8.1.	K2-7495
User had to refresh the <i>Appliance Maintenance</i> page, to apply a downloaded KBIN.	K2-7456
Migration failed to respond if the database was scheduled to export on the source KACE Systems Deployment Appliance.	K2-7446
Scripted Installation and Image Name could not be the same in the database.	K2-7445
Offboard storage migration had text issues in dark theme.	K2-7444
Format of the New Boot Action option is now consistent across different Detail Pages.	K2-5181
Configured RSA is no longer available for reconfiguration.	K2-3717

Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

Table 3. General known issues

Known issue	Issue ID
Network scan is not populating <i>Network Scan Inventory</i> .	K2-7600
<i>Progress Update</i> messages no longer appear in client log.	K2-7594
Read-only users cannot view Scripted Install XML data.	K2-7587
Upgrading with Hyper-V does not always mount the appropriate disk partition	K2-7527
CentOS 8 deployments fail when the repository cache is enabled.	K2-7517
It is not possible to enable SSL (secure socket layer) using an existing SSL certificate and key on the KACE Systems Deployment Appliance and RSA.	K2-7442
RHEL (Red Hat Enterprise Linux) and CentOS 7 manual deployment ends in dracut.	K2-7439
The filter tasks box is skewed when browser size is decreased.	K2-7435
UEFI ISO KBE forces the user to press a key to boot from it.	K2-7380
An appliance iPXE error is reported: <code>no configuration methods succeeded</code> .	K2-7271
Custom Deployment does not display User States for deployment.	K2-7266
<i>Remote Site Detail</i> page takes a long time to timeout if RSA is unavailable.	K2-7246
The appliance USMT should use SID (security identifier) instead of the user name to avoid unexpected results while <code>scanstate</code> runs.	K2-7244
Certain task types cause screens to appear in front of the KBE page.	K2-7158
<code>Klonewin</code> stops responding due to network instability issue during file copying phase.	K2-7124
After importing an MI created with All Operating System checkbox selected on the KACE System Management Appliance (SMA), the Runtime Environment is displayed as Windows on the KACE SDA server.	K2-7000
When importing same packages, duplicate entries are created on the appliance.	K2-6964
Online USMT Scan and Offboard Package Transfer fails if SMB v.1 is disabled on the target. Workaround: Use the USMT Advisor tool, downloadable from the Support Portal or Library Overview page. This tool helps with common issues encountered during this process.	K2-6775
VMware virtual machines with multiple vCPUs (virtual central processing units) cannot PXE-boot to a legacy iPXE.	K2-6769

Known issue	Issue ID
For more information, read the following KB article: https://support.quest.com/kace-systems-deployment-appliance/kb/232911	
Building a USB key for a system image does not update status message.	K2-6742
After clicking New boot action for a Mac OS NetBoot on the <i>Boot Environment Detail</i> page, on the <i>Automated Detail</i> page that appears, the <i>Deployment</i> field is not set, as expected.	K2-6665
Some models freeze during the initializing device stage and do not display the KBE menu during an UEFI PXE boot.	K2-6552
The path for drivers in the Driver Feed are not always unique which causes problems for Driver Feed widgets.	K2-6495
Japanese user profile is not listed in Available Profile List.	K2-6492
Imaging to Serial Attached SCSI (SAS) drives is extremely slow, five hours or longer.	K2-6476
The <i>System Image Detail</i> page does not remain locked until the USB creation process is complete.	K2-5586
The <i>Date and Time Settings</i> page should follow the language region date format.	K2-5509
When deploying a dual or multiple partition WIM image through multicast instead of unicast, only the first partition deploys. Workaround: A workaround is available for this issue. For more information, read the following KB article: https://support.quest.com/kace-systems-deployment-appliance/kb/212975	K2-5393
Resizing the columns width functionality does not work for certain columns on some list pages.	K2-5277
The Offboard Storage Error Message in the Initial Configuration Wizard should be moved into the same error message box used in other pages.	K2-5198
Detail View should highlight selected row in data table .	K2-5115
Non-ASCII KACE Systems Management Appliance (SMA) Managed Installation (MI) package name is garbled on the package import list.	K2-4381
Invalid date is allowed for the <i>Run once, on</i> option while creating or updating a scheduled boot action.	K2-4197
Non-English offline user state from Windows 8 is not scanned for K-Image or scripted installation.	K2-3555
lagg0 does not appear in munin.	K2-3500
Intermittently when booting from a USB, the machine freezes while starting Windows.	K2-3477

Known issue	Issue ID
When switching between linked appliances, the drop-down list in the top-right corner of the Administrator Console should display only the linked appliances instead of all of the appliances to which you logged in to using single sign on (SSO) from the KACE SDA.	K2-3241
When KACE SMA and KACE SDA are linked together, two boot actions are created for client machine with two network interface cards (NICs).	K2-3226
Clicking Remove local files not in image does not remove local files from non-system drive.	K2-2855

System requirements

The minimum version required for installing version 8.1 is 8.0 (8.0.194). If your appliance is running an earlier version, update to the listed version before installing this major release and restart the appliance after the update is installed. To check the version number of your appliance, log in to the KACE Systems Deployment Appliance Administrator Console, open the *Need Help* pane on the right, then click the About Appliance icon.

Before upgrading to or installing version 8.1, make sure that your system meets the minimum requirements. These requirements are available in the KACE Systems Deployment Appliance technical specifications: <http://support.quest.com/technical-documents/kace-systems-deployment-appliance/8.1-common-documents/technical-specifications-for-virtual-appliances/>.

Product licensing

If you currently have a KACE Systems Deployment Appliance product license, no additional license is required.

If you are using the KACE Systems Deployment Appliance for the first time, see the appliance setup documentation for product licensing details. Go to [More resources](#) to access the appropriate guide.



NOTE: Product licenses for version 8.1 can be used only on a KACE Systems Deployment Appliance version 8.1 or later. Version 8.1 licenses cannot be used on appliances running earlier versions of the KACE Systems Deployment Appliance, such as 7.0.



NOTE: Prior to upgrading, check the *SDA Status Overview Report* and verify that the current maintenance status is valid and not expired. You can find the report under **Audit Log > Reports**.

Installation instructions

You can update the appliance using an advertised update or by manually uploading an update file.

Prepare for the update

Before you update the KACE Systems Deployment Appliance, verify that your appliance meets the following requirements:

- **Current version:** The minimum version required for installing the KACE Systems Deployment Appliance 8.1 is 8.0 (8.0.194). To check the version number of your appliance, log in to the KACE Systems Deployment Appliance, then click the About Appliance icon. If your appliance is running an earlier version, you must update to the listed version before proceeding with the 8.1 installation.
- **Disk space:** The KACE Systems Deployment Appliance must have more than 20 percent free disk space available.

Additional recommendations:

- **Allow plenty of time:** If you have a large database, more than 150 MB in size, the update process can take several hours.
- **Back up before you start:** Export all items on your appliance using the instructions provided in the following Knowledge Base articles:
 - [KACE Systems Deployment Appliance Backup Best Practices](#)
 - [How to back up a KACE Systems Deployment Appliance](#)
- **Enable SSH:** Enable SSH in the *Security Settings* section of the KACE Systems Deployment Appliance Administrator Console.
- **Reboot the KACE Systems Deployment Appliance server:** On the *Appliance Maintenance Settings* page, reboot the KACE Systems Deployment Appliance server prior to updating.

Update the appliance using an advertised update

You can update the appliance using an update that is advertised on the appliance *Dashboard* page or on the *Appliance Maintenance* page of the Administrator Console.



CAUTION: Never manually reboot the appliance during an update.

1. Export all items on your KACE Systems Deployment Appliance using the instructions provided in the following Knowledge Base articles:
 - [KACE Systems Deployment Appliance Backup Best Practices](#)
 - [How to back up a KACE Systems Deployment Appliance](#)
2. On the left navigation bar, click **Settings** to expand the menu, then click **Appliance Maintenance**, to display the *Appliance Maintenance* page. Scroll to the bottom of the page and click **Reboot**. Click **Yes** in the *Confirmation* dialog to restart the server.
3. On the left navigation bar, click **Settings** to expand the menu, then click **Appliance Maintenance** to display the *Appliance Maintenance* page.
4. Click **Apply Update** to initiate the upgrade process.

The time required to update the appliance varies depending on the content present on the KACE Systems Deployment Appliance, do not manually hard shut down the appliance. Also, the appliance reboots automatically (potentially several times) during the upgrade process until it is complete.

5. Click **Check for Server updates**.

The appliance reboots automatically when the upgrade is complete.

Upload and apply an update manually

If you have an update file from Quest KACE, you can upload that file manually to update the appliance.



CAUTION: Never manually reboot the appliance during an update.

1. Export all items on your KACE Systems Deployment Appliance using the instructions provided in the following Knowledge Base articles:
 - [KACE Systems Deployment Appliance Backup Best Practices](#)
 - [How to back up a KACE Systems Deployment Appliance](#)
2. Using your customer login credentials, log in to the Quest website at <https://support.quest.com/kace-systems-deployment-appliance/download-new-releases>, download the KACE Systems Deployment Appliance Server 8.1 Update, and save the file locally.
3. Log in to the Administrator Console.
4. On the left navigation bar, click **Settings** to expand the section, then click **Appliance Maintenance** to display the *Appliance Maintenance* page.
5. Under *KACE SDA Updates > Manual Updates*, click **Browse** to select the update file, then click **Open**.
6. Click **Update Server**.

The time required to update the appliance varies depending on the content present on the KACE Systems Deployment Appliance, do not manually hard shut down the appliance. Also, the appliance reboots automatically (potentially several times) during the upgrade process until it is complete.

More resources

Additional information is available from the following:

- Online product documentation (<https://support.quest.com/technical-documents>)
 - **Technical specifications:** Information on the minimum requirements for installing or upgrading to the latest version of the product: <http://support.quest.com/technical-documents/kace-systems-deployment-appliance/8.1-common-documents/technical-specifications-for-virtual-appliances/>
 - **Administrator guide:** Instructions for setting up and using the appliance. Go to <http://support.quest.com/technical-documents/kace-systems-deployment-appliance/8.1-common-documents/administrator-guide/> to view documentation for the latest release.

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release supports any single-byte or multi-byte character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan.

The release is localized to the following languages: French, German, Japanese, Portuguese (Brazil), Spanish.

About us

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Office 365 management, and cyber security resilience, Quest helps customers solve their next IT challenge now. Around the globe, more than 130,000 companies and 95% of the Fortune 500 count on Quest to deliver proactive management and monitoring for the next enterprise initiative, find the next solution for complex Microsoft challenges and stay ahead of the next threat. Quest Software. Where next meets now. For more information, visit www.quest.com.

Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.

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Legend



CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.



IMPORTANT, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.

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