



Casper Suite Release Notes

Version 9.96

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Jamf has made all efforts to ensure that this guide is accurate.

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What's New in This Release

Overview

Updated 10/26/16—The Infrastructure Manager v1.1.0 is available 10/28/16. For information on added functionality, see "Infrastructure Manager Enhancements".

The Casper Suite v9.96 includes the following features:

Compatibility with macOS v10.12 and iOS 10

The Casper Suite is now compatible with macOS v10.12 and iOS 10.

Note: Items in the Casper Suite that have "OS X" in the name (e.g., OS X configuration profiles, OS X remote commands) work with macOS v10.12. The names of these items will be changed in a future release.

Important Notice

Removal of support for OS X v10.5 and v10.6—The Casper Suite v9.96 removes support for OS X v10.5 and v10.6. After upgrading to v9.96, computers with OS X v10.5 or v10.6 that are already enrolled will continue to communicate with the JSS. However, OS X v10.5 and v10.6 computers cannot be newly enrolled or re-enrolled with the JSS. There is no guarantee that existing or new functionality will work on those operating systems.

Deprecation of support for OS X v10.7 and v10.8—The Casper Suite v9.96 deprecates support for OS X v10.7 and v10.8. After upgrading to v9.96, computers with OS X v10.7 or v10.8 can be newly enrolled or re-enrolled with the JSS, and computers that are already enrolled will continue to be managed. Features implemented prior to v9.96 will continue to work on computers with OS X v10.7 or v10.8, but they may require earlier versions of the client applications.

For more information, see the [Deprecations and Removals](#) section.

iOS Configuration Profile Enhancements

- Additional configuration settings for IKEv2 and IPSec connection types have been added to the VPN payload in iOS configuration profiles.
To access this feature in the JSS, navigate to **Mobile Devices > Configuration Profiles > VPN**.
- You can now use the "Allow Mail Drop" setting in the Exchange and Mail payloads in iOS configuration profiles.
To access this feature in the JSS, navigate to **Mobile Devices > Configuration Profiles > Exchange or Mail**.
- The following new restrictions have been added to the Restrictions payload in iOS configuration profiles:
 - Bluetooth modification
 - Allow modifying Diagnostic settings

- Allow screen observation by Classroom (Apple Education Support enabled; supervised only)

To access these restrictions in the JSS, navigate to **Mobile Devices > Configuration Profiles > Restrictions**.

- The Network Usage Rules payload has been added to iOS Configuration Profiles, and can be used to control cellular data and data roaming settings for each individual app available in the app catalog.
- The "Fastlane QoS Marking" setting has been added to the WiFi payload, and can be used to mark apps for use with Cisco Fastlane Quality of Service Marking.

OS X Configuration Profile Enhancements

- The following new restrictions have been added to the Sharing Services tab of the Restrictions payload in OS X configuration profiles:
 - Apple Music
 - iCloud Keychain Sync
 - Sharing to Notes
 - Sharing to Reminders
 - Sharing to LinkedIn

To access these restrictions in the JSS, navigate to **Computers > Configuration Profiles > Restrictions**.

- The following new restrictions have been added to the Functionality tab of the Restrictions payload in OS X configuration profiles:
 - Allow iCloud Back to My Mac
 - Allow iCloud Find My Mac
 - Allow iCloud Bookmarks
 - Allow iCloud Mail
 - Allow iCloud Calendar
 - Allow iCloud Reminders
 - Allow iCloud Address Book
 - Allow iCloud Notes

To access these restrictions in the JSS, navigate to **Computers > Configuration Profiles > Restrictions**.

- You can now use the "Allow Mail Drop" setting in the Exchange and Mail payloads in OS X configuration profiles.
To access this feature in the JSS, navigate to **Computers > Configuration Profiles > Exchange or Mail**
- You can now use the "Enable Firewall" setting in the Security and Privacy payload of an OS X Configuration Profile to choose to block or allow All incoming connections, or to block or allow specific applications.
- The "Allow user to unlock the Mac using an Apple Watch" setting has been added to the Security and Privacy payload in OS X configuration profiles.

Apple Education Support Enhancements

- You can now enable automatic VPP registration for users that have Managed Apple IDs for each VPP account.
To access this feature in the JSS, navigate to **Settings > Global Management Settings > VPP Account** settings.
- You can now do the following when creating a VPP invitation:
 - Automatically register users in the scope of the invitation that have Managed Apple IDs and send an invitation to the users that do not have Managed Apple IDs.
 - Automatically register only the users in the scope of the invitation that have Managed Apple IDs. In addition, you can view the VPP invitation status for an invitation configured to automatically register users that have Managed Apple IDs.

To access these features in the JSS, navigate to **Users > VPP Invitations**.

- You can now force the JSS to sync with Apple School Manager and view the status of the sync.
To access this feature in the JSS, navigate to **Settings > Mobile Device Management Settings > Apple Education Support** settings.
- You can now create an advanced mobile device search and a smart mobile device group for Shared iPad.
To access this feature in the JSS, navigate to **Mobile Devices > Create a new advanced mobile device search or smart mobile device group**.
- You can now choose "Shared iPad" as an attribute field in Mobile Device Inventory Display settings.
To access this feature in the JSS, navigate to **Settings > Mobile Device Management Settings > Inventory Display**.
- The JSS now displays a list of VPP invitations that are dependent on automatic VPP registration for a VPP account if automatic VPP registration is disabled for the VPP account.
To access this feature in the JSS, navigate to **Settings > Global Management Settings > VPP Account** settings.
- The JSS now has improved importing capabilities for a large number of users and classes to the JSS from Apple School Manager.
To access the user import feature in the JSS, navigate to **Users > Leave the Search field blank and press Enter > click Import**.
To access the class import feature in the JSS, navigate to **Mobile Devices > Classes > click Import**.

Mobile Device PreStage Enrollment Enhancements

The "True Tone Display" and "Home Button Sensitivity" skip steps have been added to a mobile device PreStage enrollment.

To access these features in the JSS, navigate to **Mobile Devices > PreStage Enrollments**.

Computer PreStage Enrollment Enhancements

The following skip steps have been added to a computer PreStage enrollment:

- Location Services
- Touch ID
- Apple Pay

- Siri

To access these features in the JSS, navigate to **Computers > PreStage Enrollments**.

Infrastructure Manager Enhancements

- You can now install Infrastructure Manager instances on Red Hat Enterprise Linux (RHEL) and Windows.
- The ability to edit settings and view inventory information for an Infrastructure Manager instance has been added.
To access this feature in the JSS, navigate to **Settings > Computer Management > Infrastructure Managers**.

Support for Japanese in the JSS

The JSS can now be displayed in Japanese and supports Japanese characters as values. To set Japanese as the preferred language in the JSS, click your username, choose Account Preferences, then choose Japanese as the default language.

Mobile Device In-House App Validation

You can now customize how frequently you want the JSS to attempt to validate all managed in-house apps on mobile devices. You can also view the validation status of an app in a device's inventory information, and use the validation status as a criteria in Advanced Searches and Mobile Device Smart Groups.

To access this feature in the JSS, navigate to **Settings > Mobile Device Management > App Maintenance > In-House App Validation**.

Computer Management Commands Enhancements

You can now use the “Download Updates” and “Download and Install Updates” management commands to download or download and install software updates on computers. Both management commands can be sent via the JSS API, as well as via mass actions.

To access this feature in the JSS, navigate to **Computers > select a computer > click the Management tab**.

Mobile Device Management Commands Enhancements

You can now use the “Enable/Disable Diagnostic and Usage Reporting” and “Enable/Disable App Analytics” management commands for Shared iPads. This allows or prevents the sending of information to Apple and app developers.

To access this feature in the JSS, navigate to **Mobile Devices > select a mobile device > click the Management tab**.

Apple Configurator Enrollment Enhancements

- The **Enable Apple Configurator Enrollment via Dynamic URL** setting has been added to the Apple Configurator Enrollment settings, and allows you to send a randomly generated enrollment URL to the person operating the Apple Configurator workstation via an enrollment invitation. When you send a dynamic URL via an enrollment invitation, you can set the expiration date for the URL and choose a site to add devices to during enrollment.
- The **Allow Apple Configurator enrollment** setting has been renamed to **Enable Apple Configurator Enrollment via Static URL**.

To access this feature in the JSS, navigate to **Settings > Mobile Device Management > Apple Configurator Enrollment**.

Smart Mobile Device Group Enhancements

You can now use the Automated Management tab in a smart mobile device group to configure and send the Set Wallpaper remote command to eligible devices when they become members of the smart group.

To access this feature in the JSS, navigate to **Mobile Devices > Smart Mobile Device Groups**.

Additional enhancements and features:

- Enhancements have been added to allow for more efficient printer management when using policies.
- Added the ability to clear all pending and failed MDM commands for a mobile device.

For a complete list of deprecations, removals, bug fixes, and enhancements, see the [Deprecations and Removals](#) and the [Bug Fixes and Enhancements](#) sections.

To view a complete list of the feature requests implemented in v9.96, go to:

<https://jamfnation.jamfsoftware.com/featureRequests.html?releaseID=148>

Note: New privileges associated with new features in the Casper Suite are disabled by default.

Installation

Preparing to Upgrade

To ensure the upgrade goes as smoothly as possible, review the best practices, tips, and considerations explained in the following Knowledge Base articles:

- [Preparing to Upgrade the JSS](#)—Explains the best practices for evaluating and preparing for an upgrade.
- [Upgrading the JSS in a Clustered Environment](#)—Provides step-by-step instructions for upgrading the JSS in a clustered environment.

It is also recommended that you review the [Functionality Changes and Other Considerations](#) section to determine if changes made to the Casper Suite since your last upgrade could impact your environment or require you to take action.

Functionality Changes and Other Considerations

Depending on the version you are upgrading from, changes made to the Casper Suite since your last upgrade could impact your current environment setup or workflows.

The following table explains key changes and additions to the Casper Suite, the versions in which they were implemented, and where to get more information.

Starting with...	Change or Consideration	Description	Additional Resources
v9.96	Removed support for OS X v10.5 and v10.6	The Casper Suite v9.96 removes support for OS X v10.5 and v10.6. For information on removing unsupported computers from the JSS, see the Removing the Management Framework from Multiple Computers Knowledge Base article.	N/A
v9.96	Deprecated support for OS X v10.7 and v10.8	Features implemented in the Casper Suite v9.96 or later are no longer supported on computers with OS X v10.7 and v10.8. Workflows implemented prior to v9.96 will continue to function, but they may require earlier versions of the client applications.	N/A
v9.96	Change to JDS instance installation	JDS instances are no longer installed during fresh installations of the JSS.	N/A

Starting with...	Change or Consideration	Description	Additional Resources
v9.93	Loss of certain customizations when upgrading to Tomcat 8	When upgrading from Tomcat 7 to Tomcat 8 on Windows, any customizations to CATALINA_OPTS or JAVA_OPTS will be lost. To keep your customizations, when upgrading your JSS, click Custom in the Setup Type pane. Click Next and then click Upgrade . In the Summary pane, click Open Settings to review and set your customizations.	N/A
v9.93	Change to <code>server.xml</code>	In Tomcat 8 or later, JasperListener prevents the JSS from starting and must be removed. The JSS Installer automatically makes the necessary changes to Tomcat's <code>server.xml</code> by removing the <code><Listener className="org.apache.catalina.core.JasperListener" /></code> line.	N/A
v9.93	Change to <code>database.xml</code>	The Database Driver in the <code>database.xml</code> is now set to <code>org.mariadb.jdbc.Driver</code> during JSS upgrades.	N/A
v9.92	Criteria name change	The advanced search and smart group criteria Subscriber MCC will now be listed as Current Carrier Network .	N/A
v9.92	Criteria name change	The advanced search and smart group criteria Subscriber MNC will now be listed as Home Carrier Network .	N/A
v9.8	New location for jamf binary	The jamf binary is automatically moved from <code>/usr/sbin/jamf</code> to its new location, <code>/usr/local/jamf/bin/jamf</code> , during an upgrade to the Casper Suite v9.8. During the upgrade, the database is scanned for packages, scripts, and extension attributes that reference the previous location of the binary. If items are found, notifications are displayed in the JSS after the upgrade is complete. These items need to be modified to reference the new location of the binary, which can be done in the JSS by clicking the notifications. Items that are not stored in the database and reference the previous location of the binary need to be modified to reference the new location.	N/A
v9.8	Change in the removal of devices from DEP	The JSS can no longer be used to remove a device from Apple's Device Enrollment Program (DEP). Go to the Apple Deployment Programs website to remove the device.	N/A

Starting with...	Change or Consideration	Description	Additional Resources
v9.73	Recommended update of encryption ciphers for HTTPS connections	If you are upgrading the Casper Suite v9.72 or earlier, you must update the list of encryption ciphers for HTTPS connections in order to remediate a known security vulnerability.	Configuring Supported Ciphers for Tomcat HTTPS Connections
v9.7	Wildcard character changes for smart groups	The JSS v9.7 or later no longer recognizes the percent sign (%) as a wildcard character for smart group criteria. The percent sign is now recognized as a literal character. Remove the percent sign from the smart group criteria and change the operator to "like" to ensure that smart group memberships are calculated correctly.	N/A
v9.7	Application deletion limitation in restricted software	An application can be deleted only if using the Restrict exact process name option. If you edit a restricted software record created using the Casper Suite v9.66 or earlier, the Restrict exact process name checkbox will be selected automatically if the Delete application option is enabled. This could cause the existing restricted software record to behave differently. For example, any wildcard character (*) used in the Process Name field will function as a literal character.	N/A
v9.51	Modified support for OS X v10.5 and v10.6	Features implemented in the Casper Suite v9.51 or later are no longer supported on computers with OS X v10.5 and v10.6. Workflows implemented prior to v9.51 will continue to function, but they may require earlier versions of the client applications.	"Requirements" section in the <i>Casper Suite Administrator's Guide</i>
v9.5	App distribution allowed with App Store restrictions enabled	Apps can be distributed to mobile devices with iOS 7 or later even when the App Store is restricted on those devices. To do this, you must redistribute iOS configuration profiles that have the Allow installing apps checkbox deselected in the Restrictions payload.	Distributing Apps to Mobile Devices with App Store Restrictions After Upgrading to the JSS v9.5 or Later
v9.3	User management and VPP integration	The JSS can be configured to integrate with VPP, and users can be managed from the Users tab in the JSS. To take advantage of this functionality, you must first complete the user migration process.	Migrating Users

Starting with...	Change or Consideration	Description	Additional Resources
v9.21	Distribution of signed iOS configuration profiles from Apple	Signed iOS configuration profiles from Apple can be uploaded to the JSS and distributed.	Distributing a Signed Configuration Profile from Apple
v9.1	Enrollment profile requirements for iOS 7 or later	<p>Enrollment profiles created using the Casper Suite v9.0 or earlier cannot be used to enroll mobile devices with iOS 7 or later.</p> <p>If you plan to enroll devices with iOS 7 or later, create a new enrollment profile using the Casper Suite v9.1 or later.</p> <p>Note: Mobile devices enrolled with the Casper Suite v9.0 or earlier using an enrollment profile do not need to be re-enrolled when upgraded to iOS 7.</p>	"Enrollment Profiles" section in the <i>Casper Suite Administrator's Guide</i>
v9.0	Deprecation of support for custom reports	Custom reports are no longer supported and are not migrated during an upgrade from v8.x.	N/A
v9.0	Loss of certain of Managed Preferences	Due to a change in the way that Managed Preferences work in v9.x, two types of Managed Preferences are lost when upgrading from v8.x.	Managed Preferences and Upgrading to the JSS v9.0 or Later
v9.0	Deprecation of support for smart groups with certain criteria	The JSS no longer supports smart groups that contain "Version" and "Title" criteria listed in that order. It is recommended that you switch the order to "Title"-"Version" before upgrading from v8.x.	Switching the Order of Smart Group Criteria
v9.0	API improvements	Earlier versions of the JSS API returned inconsistent values, making it difficult to compare values and maintain consistency. Several changes have been made to improve this.	Improvements in the JSS API v9.0

Starting with...	Change or Consideration	Description	Additional Resources
v8.72	Deprecation of enrollment profiles downloaded from v8.71 or earlier	Enrollment profiles downloaded from the Casper Suite v8.71 or earlier cannot be used to enroll mobile devices with v8.72 or later. Re-download any enrollment profiles that were downloaded with v8.71 or earlier. Use the newly downloaded versions to enroll mobile devices with v8.72 or later.	N/A
v8.3	MDM profile distribution required for app management on certain devices	An MDM profile that supports app management must be distributed via the Self Service web clip to managed iOS 4 devices that are upgraded to iOS 5 or later.	Distributing Updated MDM Profiles
v8.3	Recommended enablement of certificate-based authentication	If you are upgrading the Casper Suite v8.2x or earlier, it is recommended that you enable certificate-based authentication. Doing so ensures that device certificates on OS X computers are valid.	Certificate-Based Authentication for OS X Computers

Upgrading the JSS

This section explains how to upgrade the JSS using the JSS Installers. If the JSS host server does not meet the JSS Installer requirements, you can install the JSS manually using the instructions in the ["Manually Installing the JAMF Software Server"](#) technical paper.

JAMF Software tests upgrades from v9.8 through the current version.

Installed Components

The following components are installed on the JSS host server by the JSS Installer:

- JSS web application
- JSS Database Utility
- Apache Tomcat

To find out which version of Tomcat will be installed, see the [Apache Tomcat Version Installed by the JSS Installer](#) Knowledge Base article.

Note: To take full advantage of all new features, bug fixes, and enhancements available in the Casper Suite, it is recommended that you use the latest version of the JSS and the client applications. To upgrade the client applications, simply replace the existing applications with the latest version.

JSS Installer Requirements

JSS Installer for Mac

To use the JSS Installer for Mac, you need a Mac computer with:

- A 64-bit capable Intel processor
- 2 GB of RAM
- 400 MB of disk space available
- OS X v10.7 or later
- OS X Server (recommended)
- Java SE Development Kit (JDK) 1.7 or 1.8 for Mac OS X
You can download the JDK from:
<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
- Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files 1.7 or 1.8
You can download the JCE from:
<http://www.oracle.com/technetwork/java/javase/downloads/jce8-download-2133166.html>
- MySQL Enterprise Edition 5.5.x or 5.6.x (recommended), or MySQL Community Server 5.5.x or 5.6.x, available at:<https://www.mysql.com/downloads/>
- Ports 8443 and 9006 available

JSS Installer for Linux

To use the JSS Installer for Linux, you need a server with:

- A 64-bit capable Intel processor
- 2 GB of RAM
- 400 MB of disk space available
- One of the following operating systems:
 - Ubuntu 12.04 LTS Server (64-bit)
 - Ubuntu 14.04 LTS Server (64-bit)
 - Red Hat Enterprise Linux (RHEL) 6.4, 6.5, 6.6, or 7.0
- Open Java Development Kit (OpenJDK) 7 or 8
For installation information, go to <http://openjdk.java.net/install/>.
- MySQL Enterprise Edition 5.5.x or 5.6.x (recommended), or MySQL Community Server 5.5.x or 5.6.x, available at: <https://www.mysql.com/downloads/>
- Ports 8443 and 8080 available

JSS Installer for Windows

To use the JSS Installer for Windows, you need a server with:

- A 64-bit capable Intel processor
- 2 GB of RAM
- 400 MB of disk space available
- Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit), or Windows Server 2012 R2 (64-bit)
- Java SE Development Kit (JDK) 1.7 or 1.8 for Windows x64
You can download the JDK from:
<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
- Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files 1.7 or 1.8
You can download the JCE from:
<http://www.oracle.com/technetwork/java/javase/downloads/jce8-download-2133166.html>
- MySQL Enterprise Edition 5.5.x or 5.6.x (recommended), or MySQL Community Server 5.5.x or 5.6.x, available at:
<https://www.mysql.com/downloads/>
- Ports 8443 and 8080 available

Upgrading the JSS from v8.x to v9.x

In addition to the changes explained in the [Functionality Changes and Other Considerations](#) section, there are a few things to be aware of when upgrading from v8.x to v9.x.

Time to Upgrade

The amount of time it takes to upgrade the JSS has increased due to the number of changes and improvements in the JSS v9.x. The amount of time it takes depends on the size of the database and the number of features that are utilized.

In general, it is recommended that you upgrade the JSS during non-business hours.

Upgrade Failures

If an upgrade fails, do not downgrade. Contact JAMF Software Support.

Upgrading from v8.64 or Earlier

When upgrading from v8.64 or earlier, first upgrade to v8.73.

1. Upgrade the JSS to v8.73.
2. Ensure that the upgrade was successful.
3. Back up the database.
4. Upgrade to v9.x. See the [Upgrading the JSS](#) section.

Rescheduling Database Backups

If database backups were scheduled using the JSS Database Utility v8.2, it is recommended that you reschedule them using the JSS Database Utility from the target version.

For more information, see the JSS installation and configuration guide for the appropriate platform.

Upgrading the JSS

Use the following instructions to upgrade a JSS hosted on Mac or Linux. To upgrade a JSS hosted on Windows, see "Upgrading the JSS" in the [JSS Installation and Configuration Guide for Windows](#).

1. Back up the current database using the JSS Database Utility.
2. Copy the most current version of the JSS Installer for your platform to the server.
3. Double-click the installer and follow the onscreen instructions to complete the upgrade.

Deprecations and Removals

The Casper Suite v9.96 removes support for OS X v10.5 and v10.6, and OS X v10.7 and v10.8 support has been deprecated. For best results, upgrade to OS X v10.9 or later.

Removal of Support for OS X v10.5 and v10.6

Removal of support for OS X v10.5 and v10.6 entails the following:

- Computers with OS X v10.5 or v10.6 cannot be enrolled with the JSS v9.96 or later.
- Computers with OS X v10.5 or v10.6 that are already enrolled will continue to be managed by the JSS v9.96, but support and functionality are not guaranteed.
- Existing and new functionality in the JSS v9.96 will not be tested or guaranteed on computers with OS X v10.5 or v10.6.

For instructions on how to remove unsupported computers from the JSS, see the [Removing the Management Framework from Multiple Computers](#) Knowledge Base article.

Deprecation of Support for OS X v10.7 and v10.8

Deprecation of support for OS X v10.7 and v10.8 entails the following:

- Computers with OS X v10.7 or v10.8 can be newly enrolled or re-enrolled with the JSS v9.96.
- Computers with OS X v10.7 or v10.8 that are already enrolled will continue to be managed by the JSS v9.96.
- Existing functionality in the JSS v9.96 will be tested on computers with OS X v10.7 and v10.8. Features implemented prior to v9.96 will continue to work, but they may require earlier versions of the client applications.
- New functionality in the JSS v9.96 or later will not be guaranteed to work on computers with OS X v10.7 or v10.8.

Bug Fixes and Enhancements

Casper Admin

[D-009796] Fixed an issue where Casper Admin, Casper Imaging, and Casper Remote would have a connection error when TLS v1.0 support was disabled.

Casper Focus

Fixed an issue where Casper Focus would not focus on mobile devices with iOS 10 because device version check would fail.

Casper Imaging

- Fixed an issue where the `-suppressSetupAssistant` flag would fail to suppress the Setup Assistant.
- [D-009340] Fixed an issue where uploading a CSV for computer name while using Target Mode Imaging did not work on OS X v10.10 or v10.11.
- [D-009796] Fixed an issue where Casper Admin, Casper Imaging, and Casper Remote would have a connection error when TLS v1.0 support was disabled.

Casper Remote

[D-009796] Fixed an issue where Casper Admin, Casper Imaging, and Casper Remote would have a connection error when TLS v1.0 support was disabled.

Documentation

[PI-002818] Fixed an issue where it was unclear if ports needed to be opened on the Infrastructure Manager.

Infrastructure Manager

Fixed an issue where the Ubuntu Installer for Infrastructure Manager allowed blank values for required fields and allowed the administrator to navigate forward and back through the prompts.

JAMF Software Server

- Fixed an issue that caused the JSS to continually require the JSS user to re-accept the terms of an extension attribute associated with a patch reporting software title when the extension attribute is updated by JAMF Software.
- Fixed an issue that sometimes caused computers with Adobe Acrobat Pro XI to be reported as having an unknown version of Adobe Acrobat Pro DC, and vice versa, and computers with Adobe Acrobat Reader DC to be reported as having an unknown version of Adobe Acrobat Reader XI, and vice versa.
- Fixed an issue where LDAP Proxy bootstrap logging sometimes did not write all of the expected logs.
- Fixed an issue where new Server App 5.1 Restrictions were missing from the JSS iOS Restrictions payload.
- Fixed an issue where screen sharing as casperscreenshare user account would fail to begin sharing.
- Fixed an issue that made configuring the scope of an app with duplicate bundle IDs inefficient.
- Fixed an issue where the *jamf resetPassword* command did not update the login keychain when FileVault was enabled on macOS v10.12 computers.
- Fixed an issue where the JSS DB schema upgrade failed on gsx_connection and wrote errors the the *JAMFSoftwareServer.log*.
- Fixed an issue where the JSS incorrectly displayed "Single Sign-On" as an authentication type in the Self Service Mobile for iOS User Login settings. Single Sign-On is not available for Self Service Mobile for iOS.
- Fixed an issue where the LDAP Server History did not include fields for changes made to LPS configurations.
- Fixed an issue that would cause the JSS to attempt to revoke eBook content assigned through VPP even though the content cannot be revoked causing "License is irrevocable" errors to appear in the JAMFSoftwareServer log.
- Fixed an issue where threads were not named for their corresponding JSS context.
- Fixed issue that would prevent selecting a device for the scope of a PreStage Enrollment if that device was previously scoped to a PreStage Enrollment that was switched to another Device Enrollment Program instance.
- [D-006482] Fixed an issue where printers with a space in the CUPS name would not map properly.
- [D-008650] Fixed an issue that prevented the records of installed certificates from being completely deleted from a computer record before new records of installed certificates were added during an inventory update.
- [D-008915] Fixed an issue where adding multiple printers was taking longer than needed.
- [D-009047] Fixed an issue where "Set as Default" would display a printer as default instead of "Last Used" on OS X v10.7 and OS X v10.8.
- [D-009155] Fixed an issue where an iOS Configuration Profile Restrictions payload did not properly include Force Apple Watch detection.
- [D-009178] Fixed an issue where printers with '#' in the CUPS name would not map properly.

- [D-009226] Fixed an issue where blank printers showed in inventory after all printers were unmapped from a computer.
- [D-009886] Fixed an issue where forced downloads and iOS updates would not install if the update was already downloaded but not installed on the device.
- [D-010014] Fixed issue that would cause the JSS to attempt to revoke eBook content assigned through VPP even though the content cannot be revoked causing "License is irrevocable" errors to appear in the JAMFSoftwareServer log.
- [D-010093] Fixed an issue where editing a package would fail if there is a cloud distribution point.
- [D-010220] Fixed an issue that would prevent selecting a device for the scope of a PreStage Enrollment if that device was previously scoped to a PreStage enrollment that was switched to another Device Enrollment Program instance.
- [D-010224] Fixed an issue where the SMTP Server password would not update correctly when using the API.
- [PI-001203] Fixed an issue that would result in devices sometimes appearing more than once in the scope of a PreStage enrollment.
- [PI-001985] Fixed an issue where MySQL 5.5 queries were sometimes inefficient when using *SELECT FROM table WHERE field IN (SELECT FROM table WHERE field.*
- [PI-002087] Fixed an issue where emailed VPP invitations failed on iOS devices if it was not already enrolled and associated to the user.
- [PI-002095] Fixed an issue where the XML for all policies included the management account password, instead of only when it was needed.
- [PI-002107] Fixed an issue where the JSS OS X installer was not compatible with some Server app 5 services.
- [PI-002182] Fixed an issue where OS X device-based VPP did not send an update command if the app had not been originally installed by the JSS via VPP.
- [PI-002219] Fixed an issue where the student photo would not load if the value on the user object that was used to populate the photo URL contained spaces or other reserved characters.
- [PI-002233] Fixed an issue where in-house PDFs would not be removed correctly if an eBook profile was deleted prior to changing the scope of the PDF.
- [PI-002237] Fixed an issue where the API could be used to create a policy that updated inventory and was scoped to all computers on the recurring check-in trigger and set to ongoing.
- [PI-002385] Fixed an issue where an Apple School Manager scheduled sync sometimes failed in a clustered JSS environment.
- [PI-002395] Fixed an issue where package updates were inefficient in an environment with a large number of packages.
- [PI-002530] Fixed an issue that prevented re-installation, successful re-enrollment, and modification of installation parameters for Infrastructure Manager.
- [PI-002531] Fixed an issue where the JSS UI text had inconsistencies between the JSS GUI and the LDAP Proxy Server Installer.
- [PI-002585] Fixed an issue that caused the JSS to have "Out of Memory" errors when large policy logs were submitted.
- [PI-002593] Fixed an issue where enrolling OS X computers into the JSS could encounter an "Error updating denormalized record" error.

- [PI-002614] Fixed an issue where the JSS Summary did not contain Patch Reporting information.
- [PI-002626] Fixed an issue where importing more than 40,000 users or classrooms would cause the JSS to time out.
- [PI-002664] Fixed an issue where SSO access was not logging to the *JSS_ACCESS.logs*.
- [PI-002667] The JSS now allows you to correctly sort the version and date columns after the patch reporting software title has been saved for the first time.
- [PI-002673] Fixed an issue where configuration profiles created in v9.93 with a Security & Privacy payload and a FileVault 2 Redirect payload contain an inactive automatic logout setting.
- [PI-002678] Fixed an issue where the username was not being passed in the \$3 variable for Self Service scripts when SSO was enabled.
- [PI-002710] Fixed an issue where an unauthorized user was able to bypass some permissions using the API.
- [PI-002715] Fixed an issue where a long list of Sites could not be accessed due to scrolling limitations.

JSS Installer for OS X

Fixed an issue where all items in the ROOT.war had permissions of 775 instead of 755.

Self Service for OS X

[PI-002544] Fixed an issue where Self Service would sometimes crash after a policy completed.

Known Issues

The following issues are known in the Casper Suite:

Entering incorrect credentials on the JSS login page redirects to /logout.html which causes the next login attempt to fail unless the URL is changed manually.

The following issues are a result of bugs in third-party software. Defects have been filed for these bugs and are awaiting resolution.

- [PI-002319] In Casper Focus, changing the focus from one app to another fails on student devices with iOS 9.3.2 or later. The following error message is displayed as a result: "Focus failed: the device may not be connected to a network." As a workaround, remove the focus from the student devices. Then, after a message displays indicating that the focus was removed, focus the devices on the desired app.
- [D-004382] Tapping the URL in an email enrollment invitation on an iOS 6 device draws a blank page. Users should copy-and-paste the URL into the Safari app instead.
- [D-005532] OS X configuration profiles with a Login Window payload that is configured to deny users and groups the ability to log in fail to do so.
- [D-005882] The **Computer administrators may refresh or disable management** option in a Login Window payload of an OS X configuration profile is not applied at login.
- [D-005900] The JSS fails to install configuration profiles with a Web Clip payload on computers with OS X v10.9.
- [D-006026] The JSS fails to restrict Game Center when the **Allow use of Game Center** checkbox is deselected in the Restrictions payload in OS X configuration profiles.
- [D-006250] A customized Self Service web clip icon uploaded using the JSS will revert to the default Casper Suite icon on iOS 7 devices.
- [D-006393] The Start screen saver after: option in a Login Window payload of an OS X configuration profile is not applied on computers with OS X v10.8.4 or v10.8.5.
- [D-006662] Installed OS X configuration profiles that include a VPN payload with the Use Hybrid Authentication checkbox selected append "[hybrid]" to the group name in the VPN authentication settings on the computer, which causes group authentication to fail.
- [D-006758] iOS configuration profiles with a Single App Mode payload fail to require a passcode on supervised iOS 7 devices when the devices have a passcode and are locked.
- [D-006979] When enrolling a computer using a QuickAdd package, the QuickAdd installer incorrectly prompts users for local administrator credentials twice if the **Restrict re-enrollment to authorized users only** checkbox is selected.
- [D-007004] iOS configuration profiles with a cookies restriction fail to set the specified restriction and hide other cookies restrictions on the device. The restrictions that are hidden depend on the restriction specified in the profile.
- [D-007245] The configuration page fails to display correctly when enrolling a mobile device via PreStage enrollment.
- [D-007486] SMB shares sometimes fail to mount on a computer with OS X v10.9.

- [D-007511] If the option to skip the Restore page is selected for a PreStage enrollment in the JSS, the Restore page is not skipped during enrollment if the enrollment process is restarted during the Setup Assistant.
- [D-007537] Location Services are incorrectly disabled when the **Allow modifying Find My Friends settings (Supervised devices only)** checkbox is deselected in the Restrictions payload of an iOS configuration profile.
- [D-007628] iOS configuration profiles made available in Self Service cannot be removed manually from mobile devices with iOS 8 even when the profiles are configured to allow removal. Workaround: Remove the mobile device from the scope of the profile.
- [D-007638] An in-house eBook set to the "Install Automatically" distribution method will display as "Untitled" until it is opened on a mobile device.
- [D-007721] iOS configuration profiles with a Mail payload configured to log in to the app using a specified password fail to require a password after the configuration profile has been removed and redistributed to require a password on mobile devices with iOS 6.
- [D-007823] Policies configured to require users to enable FileVault 2 in a disk encryption payload fail to do so on a computer with OS X v10.10.
- [D-007825] OS X configuration profiles with a Software Update payload configured to allow installation of OS X beta releases fail to make OS X beta releases available to users.
- [D-007860] When the User value in the Exchange payload of an OS X configuration profile is an email address, an OS X Mail app user cannot authenticate and access their email on OS X v10.10 computers.
- [D-007969] Compiled configurations created with Casper Admin using the {{InstallESD.dmg}} file for OS X v10.10 fail to create a "Recovery HD" partition when the configuration is used to image computers.
- [D-008018] The JSS cannot connect to an Open Directory server hosted on OS X Server v10.10 using CRAM-MD5 authentication.
- [D-008152] End users are incorrectly prompted for an Airplay password when attempting to Airplay to a device for which an AirPlay password has been specified using an OS X configuration profile.
- [D-008167] When multiple Casper Suite disk images are mounted, the JSS Installer installs the version of the Casper Suite included in the disk image that was mounted first.
- [D-008212] If a mobile device is enrolled using a PreStage enrollment and is then re-added to the server token file (.p7m), the device becomes unassigned and the JSS incorrectly displays the device as still being in the scope of the PreStage enrollment.
- [D-008286] When VMware Fusion is closed on a client computer, the computer loses its connection with the JSS.
- [D-008309] A guest user is able to log in from the FileVault 2 login window when a configuration profile was used to disallow guest users and FileVault 2 is configured for the current or next user.
- [D-008567] When a student device with iOS 8 is focused on a website, multiple icons with the website link are displayed.
- [D-008688] OS X configuration profiles that include a Network payload configured with 802.1X authentication and the **Auto Join** checkbox selected fail to automatically connect a computer to the network after the computer leaves sleep mode.

- [D-008806] The dsconfigad binary fails to bind a computer to a directory service if the service account password contains an exclamation point (!).
- [D-008920] A policy that contains an OS X v10.10.3 installer causes a computer with OS X v10.10.2 or earlier to become unresponsive.
- [D-009110] Configuration profiles with the "Internal Disks: Allow" option disabled do not prevent the use of memory cards.
- [D-009443] Casper Focus fails to focus a student device with iOS 7 on the attention screen if the device was being focused on an app or website.
- [D-009450] An OS X configuration profile with a Password payload incorrectly enforces a number of complex characters equal to the last value used.