Jamf Pro Conduit User Guide

Version 2.40.0

Contents

Overview

The Jamf Pro Conduit (formerly the JSS Conduit) uses plug-ins to export inventory data from Jamf Pro (formerly the Jamf Software Server) to other system management tools, or vice versa.

Requirements

The Jamf Pro Conduit can be installed on any Mac, Linux, or Windows operating system running Java Runtime Environment (JRE) 1.6 or later.

Exporting data using the Jamf Pro Conduit requires:

- One or more plug-ins installed in the Jamf Pro Conduit
- Jamf Pro 8.0 or later
- Computers and/or mobile devices in Jamf Pro
- A Jamf Pro user account with privileges to read computers and mobile devices
  Note: If you are using Jamf Pro 8.7 or earlier, these privileges are API privileges.

  For instructions on granting privileges to Jamf Pro user accounts, see the *Jamf Pro Administrator's Guide*.

There may be additional requirements, depending on the plug-in(s) that you plan to use with the Jamf Pro Conduit. For more information, see the documentation for the plug-in(s) you want to use.

Installing the Jamf Pro Conduit

1. Extract the Jamf Pro Conduit ZIP file.
2. Copy the Jamf Pro Conduit folder to the location where other programs or applications are stored on the operating system.
   For example, on Windows, copy the folder to `C:\Program Files`. On Mac, copy it to the Applications folder.

   After installing the Jamf Pro Conduit, you can install and set up plug-in instance(s). For detailed instructions, see the documentation for the plug-in(s) you want to use.
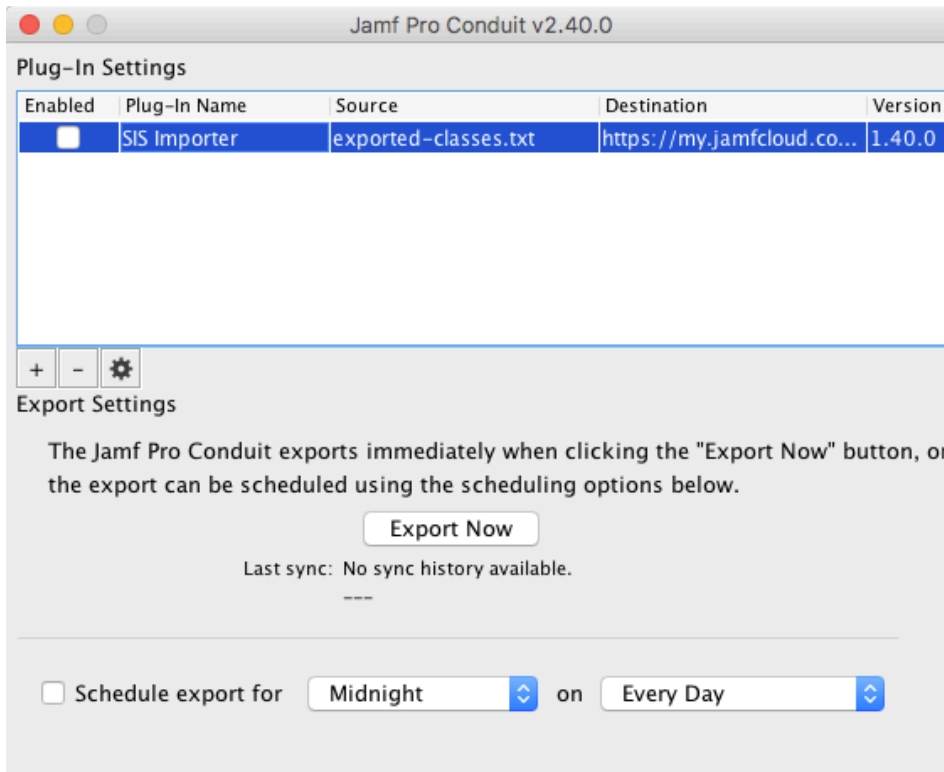
Upgrading the Jamf Pro Conduit

1. Drag the Settings folder and the Plugins folder located in `/path/to/JSS Conduit /resources/` to your desktop.

2. Remove the Jamf Pro Conduit application that is currently installed on your computer by deleting the Jamf Pro Conduit folder.

3. Extract the new Jamf Pro Conduit ZIP file.

4. Drag the Settings folder from your desktop to the Jamf Pro Conduit folder.

5. Copy the Jamf Pro Conduit folder to the location where other programs are stored on the operating system.
   For example, on Windows, copy the folder to `C:\Program Files`. On Mac, copy it to the Applications folder.

6. If you have an export schedule, open the Jamf Pro Conduit (`JSSConduit.jar`) and verify that it is still correct.

Exporting Data with the Jamf Pro Conduit

You can manually export data with the Jamf Pro Conduit, or automate exports to occur on a schedule.

Manually Exporting Data

1. Open the Jamf Pro Conduit (`JSSConduit.jar`).

2. If prompted, enter credentials for a local administrator account and click **OK.**

3. If you have not already done so, install and set up the plug-in instance(s) you want to use.
   For detailed instructions, see the documentation for the plug-in(s) you want to use.

4. Enable the plug-in instance(s) you want to use by selecting the checkbox(es) next to the plug-in instance(s), and then click **Export Now.**

The time it takes to export data depends on the number of records in Jamf Pro, the amount of data in each record, and the speed of the servers running Jamf Pro and the Jamf Pro Conduit.
The status of the export is displayed below the **Export Now** button.

Automatically Exporting Data

Note: If you plan to export data automatically, it is recommended that you export data manually before creating an automated schedule. This allows you to verify that the plug-in instance is running correctly. See "Manually Exporting Data" for detailed instructions.

1. Open the Jamf Pro Conduit (JSSConduit.jar).

2. If prompted, enter credentials for a local administrator account and click **OK**.

3. If you have not already done so, install and set up the plug-in instance(s) you want to use.
   For detailed instructions, see the documentation for the plug-in(s) you want to use.

4. Enable the plug-in instance(s) you want to use by selecting the checkbox(es) next to the plug-in instance(s).

5. Select **Schedule export for.**

6. Set an export schedule by choosing an hour and day from the pop-up menus.
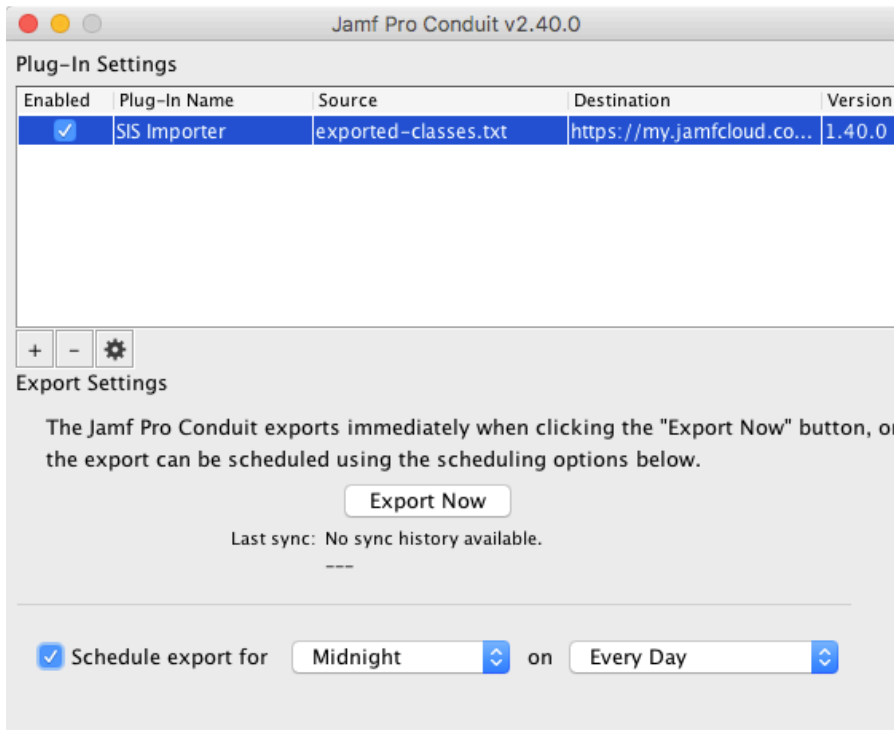
Exports occur at the time and frequency specified.
The time it takes to export data depends on the number of records in Jamf Pro, the amount of data in each record, and the speed of the servers running Jamf Pro and plug-in(s).

Viewing Export Logs

The Jamf Pro Conduit logs all exports whether they are run manually or automatically. Each log shows the activities and errors that took place during the export, and a timestamp for each activity.

Logs are stored in `/path/to/JSSConduit/resources/logs`.

Troubleshooting Connection Issues

If the Jamf Pro Conduit is unable to connect to Jamf Pro, the following error is displayed when you try to export data:

Connection issues occur when a plug-in instance attempts to connect to Jamf Pro with:

- An invalid or incomplete address to connect to Jamf Pro
- An incorrect password for Jamf Pro
- A JSS user account that has insufficient privileges

1. Open a web browser and attempt to connect to Jamf Pro.
   If the connection fails, the address of Jamf Pro may be invalid or incomplete. Try running the Jamf Pro Conduit again using a valid Jamf Pro address.

2. Log in with the credentials that you used to set up the plug-in instance.
   If you cannot log in to Jamf Pro, the Jamf Pro credentials may be incorrect. Try exporting data again using valid credentials.

3. Use Jamf Pro to verify that the account you logged in with has privileges to read computers and mobile devices.

Release History

Version	Changes
2.40.0	- Added support for Jamf Pro 10.0.0 or later. - Updated to reflect product name changes in Jamf Pro 10.0.0 (formerly the Casper Suite).
2.33	- Added support for the JSS v9.93 or later. - Fixed an issue that prevented the SIS Importer from importing classes into the JSS . To fix this issue, download the new JSS Conduit by downloading and reinstalling the SIS Importer or downloading the JSS Conduit itself. - Fixed an issue that prevented the **Schedule export for** checkbox from being selected when using Java 1.8, which caused scheduled data exports to fail.
2.32	Added functionality that improves the performance of the JSS Conduit when deleting classes with the SIS Importer v1.32 or later. (requires the JSS v9.62 or later)
2.31	The JSS Conduit now uses Transport Layer Security (TLS) v1.0, and does not use Secure Sockets Layer (SSL) v3.0.
2.3	- Added support for the JSS v9.4 or later - Added support for the SIS Importer 1.3
2.2	Added support for the JSS v9.0 or later
2.1	Added support for JSS v8.7

Version	Changes
2.0	- Increased speed and decreased memory usage. - Added support for plug-ins that can move data both to and from the JSS . - Added the ability to use multiple instances of the same plug-in. - Added support for any type of data supported by the JSS API. - Improved the ability to handle data with special characters and invalid XML. - Added the date and time of the last successful scheduled export to the interface. - The JSS Conduit now prompts a user to verify whether or not the application should exit if a manual export is in progress. - The JSS Conduit now verifies plug-in instance settings before exporting and displays an error if a plug-in instance has invalid settings. - Fixed an issue that prevented the automation of the JSS Conduit on Linux. - Fixed an issue that caused scheduled exports to fail on Linux platforms if there is a space in the JSS Conduit path. - Fixed an issue that caused the JSS Conduit to incorrectly report that an export was successful. - Fixed an issue that caused messages about the JSS Conduit to appear when the JSS Conduit is not running.