JSS Conduit User Guide

Version 2.33

Contents

Overview

The JSS Conduit uses plug-ins to export inventory data from the JSS to other system management tools, or vice versa.

Requirements

The JSS Conduit can be installed on any Mac, Linux, or Windows operating system running Java Runtime Environment (JRE) v1.6 or later.

Exporting data using the JSS Conduit requires:

- One or more plug-ins installed in the JSS Conduit
- The JSS v8.0 or later
- Computers and/or mobile devices in the JSS
- A JSS user account with privileges to read computers and mobile devices
  Note: If you are using the JSS v8.7 or earlier, these privileges are API privileges.

  For instructions on granting privileges to JSS user accounts, see the *Casper Suite Administrator's Guide*.

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

Installing the JSS Conduit

1. Extract the JSS Conduit ZIP file.
2. Copy the JSS 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 JSS 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.
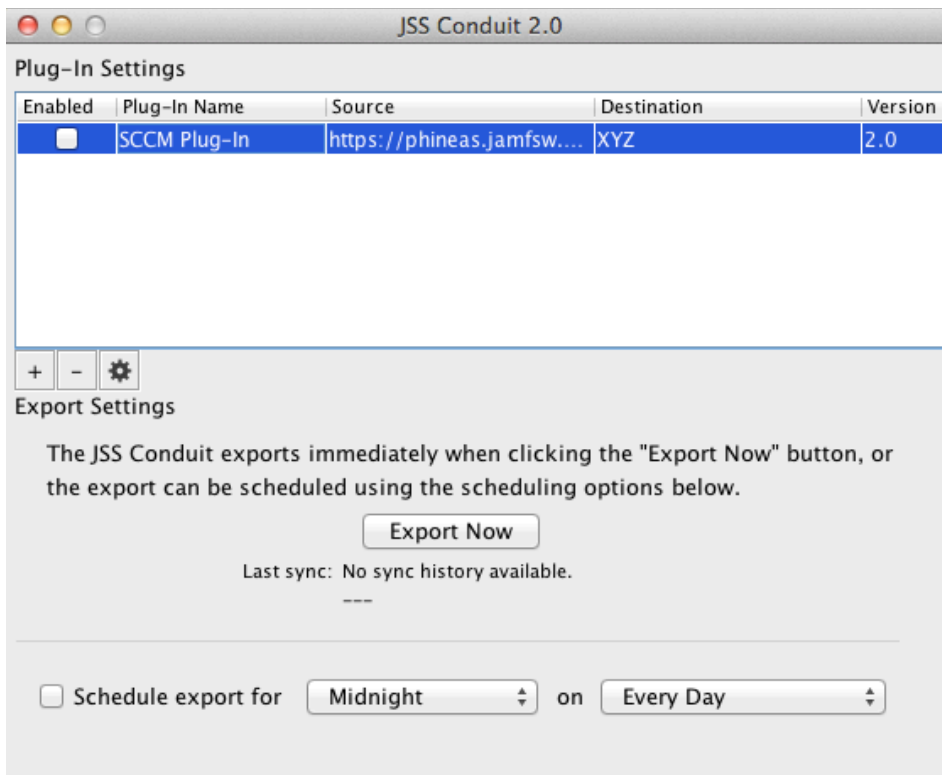
Upgrading the JSS Conduit

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

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

3. Extract the new JSS Conduit ZIP file.

4. Drag the Settings folder from your desktop to the JSS Conduit folder.

5. Copy the JSS 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 JSS Conduit (`JSSConduit.jar`) and verify that it is still correct.

Exporting Data with the JSS Conduit

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

Manually Exporting Data

1. Open the JSS 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 the JSS, the amount of data in each record, and the speed of the servers running the JSS and the JSS 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 JSS 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.

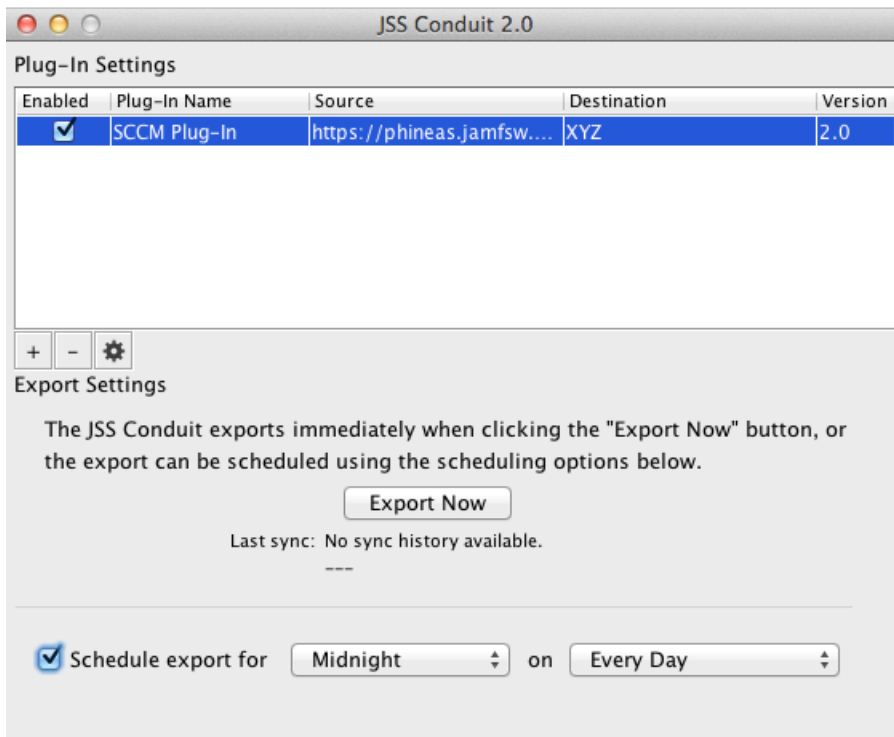Exports occur at the time and frequency specified.
The time it takes to export data depends on the number of records in the JSS, the amount of data in each record, and the speed of the servers running the JSS and plug-in(s).

Viewing Export Logs

The JSS 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 JSS Conduit is unable to connect to the JSS, the following error is displayed when you try to export data:

Connection issues occur when a plug-in instance attempts to connect to the JSS with:

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

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

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

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

Release History

Version	Changes
v2.33	- 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.
v2.32	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)
v2.31	The JSS Conduit now uses Transport Layer Security (TLS) v1.0, and does not use Secure Sockets Layer (SSL) v3.0.
v2.3	- Added support for the JSS v9.4 or later - Added support for the SIS Importer v1.3
v2.2	Added support for the JSS v9.0 or later
v2.1	Added support for the JSS v8.7

Version	Changes
v2.0	- 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.