

Release Notes

Published
2022-08-24

JSA 7.5.0 Update Package 2 Interim Fix 02 SFS

Table of Contents

Installing the JSA 7.5.0 Update Package 2 Interim Fix 02 Software Update | 1

Installation Wrap-up | 3

Clearing the Cache | 3

Known Issues and Limitations | 4

Resolved Issues | 5

Installing the JSA 7.5.0 Update Package 2 Interim Fix 02 Software Update

JSA 7.5.0 Update Package 2 Interim Fix 02 resolves reported issues from users and administrators from previous JSA versions. This cumulative software update fixes known software issues in your JSA deployment. JSA software updates are installed by using an SFS file. The software update can update all appliances attached to the JSA Console.

Use the 7.5.0.20220527130137-IF02-20220715185852 SFS file to upgrade JSA 7.5.0 Update Package 2 to JSA 7.5.0 Update Package 2 Interim Fix 02.

This document does not cover all the installation messages and requirements, such as changes to appliance memory requirements or browser requirements for JSA. For more information, see the [Juniper Secure Analytics Upgrading JSA to 7.5.0](#).

Ensure that you take the following precautions:

- Back up your data before you begin any software upgrade. For more information about backup and recovery, see the [Juniper Secure Analytics Administration Guide](#).
- To avoid access errors in your log file, close all open JSA webUI sessions.
- The software update for JSA cannot be installed on a managed host that is at a different software version from the Console. All appliances in the deployment must be at the same software revision to update the entire deployment.
- Verify that all changes are deployed on your appliances. The update cannot install on appliances that have changes that are not deployed.
- If this is a new installation, administrators must review the instructions in the [Juniper Secure Analytics Installation Guide](#).

To install the JSA 7.5.0 Update Package 2 Interim Fix 02 software update:

1. Download the 7.5.0.20220527130137-IF02-20220715185852 SFS from the Juniper Customer Support website.
<https://support.juniper.net/support/downloads/>
2. Using SSH, log into your system as the root user.
3. To verify you have enough space (5 GB) in **/store/tmp** for the JSA Console, type the following command:
df -h /tmp /storetmp /store/transient | tee diskchecks.txt
 - Best directory option: **/storetmp**

It is available on all appliance types at all versions. In JSA 7.5.0 versions /store/tmp is a symlink to the /storetmp partition.

If the disk check command fails, retype the quotation marks from your terminal, then re-run the command. This command returns the details to both the command window and to a file on the Console named diskchecks.txt. Review this file to ensure that all appliances have **at minimum 5 GB of space available in a directory to copy the SFS** before attempting to move the file to a managed host. If required, free up disk space on any host that fails to have less than 5 GB available.

NOTE: In JSA 7.3.0 and later, an update to directory structure for STIG compliant directories reduces the size of several partitions. This can impact moving large files to JSA.

4. To create the **/media/updates** directory, type the following command:
mkdir -p /media/updates
5. Using SCP, copy the files to the JSA Console to the **/storetmp** directory or a location with 5 GB of disk space.
6. Change to the directory where you copied the patch file.
For example, **cd /storetmp**
7. Unzip the file in the **/storetmp** directory using the bunzip utility:
bunzip2 7.5.0.20220527130137-IF02-20220715185852.sfs.bz2
8. To mount the patch file to the **/media/updates** directory, type the following command:
mount -o loop -t squashfs /storetmp/7.5.0.20220527130137-IF02-20220715185852.sfs /media/updates
9. To run the patch installer, type the following command:
/media/updates/installer

NOTE: The first time that you run the software update, there might be a delay before the software update installation menu is displayed.

10. Using the patch installer, select **all**.
 - The **all** option updates the software on all appliances in the following order:
 - Console
 - No order required for remaining appliances. All remaining appliances can be updated in any order the administrator requires.
 - If you do not select the **all** option, you must select your console appliance.

As of the JSA 2014.6.r4 patch and later, administrators are only provided the option to update **all** or update the Console appliance. Managed hosts are not displayed in the installation menu to ensure that the console is patched first. After the console is patched, a list of managed hosts that can be updated is displayed in the installation menu. This change was made starting with the JSA 2014.6.r4 patch to ensure that the console appliance is always updated before managed hosts to prevent upgrade issues.

If administrators want to patch systems in series, they can update the console first, then copy the patch to all other appliances and run the software update installer individually on each managed host. The console must be patched before you can run the installer on managed hosts. When updating in parallel, there is no order required in how you update appliances after the console is updated.

If your Secure Shell (SSH) session is disconnected while the upgrade is in progress, the upgrade continues. When you reopen your SSH session and rerun the installer, the patch installation resumes.

Installation Wrap-up

1. After the patch completes and you have exited the installer, type the following command:

```
umount /media/updates
```

2. Clear your browser cache before logging in to the Console.
3. Delete the SFS file from all appliances.

Results

A summary of the software update installation advises you of any managed host that were not updated. If the software update fails to update a managed host, you can copy the software update to the host and run the installation locally.

After all hosts are updated, administrators can send an email to their team to inform them that they will need to clear their browser cache before logging in to the JSA.

Clearing the Cache

After you install the patch, you must clear your Java cache and your web browser cache before you log into the JSA appliance.

Before you begin

Ensure that you have only one instance of your browser open. If you have multiple versions of your browser open, the cache might fail to clear.

Ensure that the Java Runtime Environment is installed on the desktop system that you use to view the user interface. You can download Java version 1.7 from the Java website: <http://java.com/>.

About this task

If you use the Microsoft Windows 7 operating system, the Java icon is typically located under the Programs pane.

To clear the cache:

1. Clear your Java cache:
 - a. On your desktop, select **Start > Control Panel**.
 - b. Double-click the Java icon.
 - c. In the Temporary Internet Files pane, click **View**.
 - d. On the Java Cache Viewer window, select all **Deployment Editor** entries.
 - e. Click the Delete icon.
 - f. Click **Close**.
 - g. Click **OK**.
2. Open your web browser.
3. Clear the cache of your web browser. If you use the Mozilla Firefox web browser, you must clear the cache in the Microsoft Internet Explorer and Mozilla Firefox web browsers.
4. Log in to JSA.

Known Issues and Limitations

The known issues addressed in the JSA 7.5.0 Update Package 2 Interim Fix 02 are listed below:

- Docker services fail to start on JSA appliances that were originally installed at JSA release 2014.8 or earlier, then upgraded to 7.5.0 Update Package 2 Interim Fix 02.

Before updating to JSA 7.5.0 Update Package 2 Interim Fix 02 run the following command from the JSA Console:

xfs_info /store | grep ftype

Review the output to confirm the ftype setting. If the output setting displays "ftype=0", do not proceed with the upgrade to 7.5.0 Update Package 2 Interim Fix 02.

See [KB69793](#) for additional details.

- If your network connection is behind a firewall, the App Host is unable to communicate with your console.

There is no workaround currently.

- Your applications might go down temporarily while they are being upgraded to the latest base image.
- The HEALTH_CHECK_FAILURE_THRESHOLD_COUNT will default to 1 if a "liveness probe" check fails.

To work around this issue, type the following to verify the HEALTH_CHECK_FAILURE_THRESHOLD_COUNT{} for each application:

grep -nr 'HEALTH_CHECK_FAILURE' /etc/conman/*

If the count is below 10 for any application, update the corresponding line to be 10.

NOTE: You need to reapply the workaround if the application is restarted via qappmanager.

Resolved Issues

The resolved issues addressed in the JSA 7.5.0 Update Package 2 Interim Fix 02 are listed below:

- Lookups for non-existing values in ChainAppendCache always happen under the write lock, even when no data exists in spillover.
- Applications may stop working due to devicemapper driver.
- Deadlocks on sensordevice table caused by multiple LogSourceServices PersisterTime threads.
- Error on Administrator screen after patching from JSA 7.4.0 to JSA 7.5.0 Update Package 3.
- The start time and events of an offense is incorrect when triggered from a dispatched event.
- The CRERuleNameCache method getNameForRuleId(Integer) is under a global lock, causing Ariel search and AQL tests that use rule name lookup to become single-threaded and slow.

Juniper Networks, the Juniper Networks logo, Juniper, and Junos are registered trademarks of Juniper Networks, Inc. in the United States and other countries. All other trademarks, service marks, registered marks, or registered service marks are the property of their respective owners. Juniper Networks assumes no responsibility for any inaccuracies in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice. Copyright © 2022 Juniper Networks, Inc. All rights reserved.