TIBCO Hawk®

Release Notes

Version 6.3.1 | November 2024

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New Features

No new features have been added in this release of TIBCO Hawk®.

Changes in Functionality

The following functionality and features have been changed in this release of TIBCO Hawk®.

- The Java 17 is supported for Agent and Console run time environments.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO Hawk®.

Deprecated Features

Affected Component	Description	Deprecated Release
TCP Transport for TIBCO Hawk®	The TCP Transport for TIBCO Hawk® has been deprecated as of this release.	6.2.3

Removed Features

Affected Component	Description	Deprecated Release	Removed Release
TIBCO Hawk Display	The TIBCO Hawk Display has been removed. Use Hawk Console for all agent monitoring and management.	5.0.0	6.2.3
Proxy domain	The proxy domain functionality has been deprecated as of this release.	6.2.3	6.3.0
UniversalCollector microagent	The UniversalCollector microagent has been deprecated as of this release.	6.2.3	6.3.0
TIBCO LogLogic®	All integrations with TIBCO LogLogic®	6.2.3	6.3.0

Affected Component	Description	Deprecated Release	Removed Release
	have been deprecated as of this release.		

Migration and Compatibility

Migrating from TIBCO Hawk® 6.2.x to version 6.3.1

Note: You can migrate your data from versions 6.2.2, 6.2.3, 6.2.4 and 6.3.0 to 6.3.1.

Perform the following steps before installing Hawk® 6.3.1 to retain the configurations of version 6.2.x:

1. Navigate to the *CONFIG_FOLDER*.
2. Take a backup of the *autoconfig* folder.
3. Take a backup of the configuration files (`.cfg, .tra` files).
4. Once the installation of Hawk® 6.3.1 is complete, copy the backed-up `autoconfig` folder and the configuration files in the newly installed *CONFIG_FOLDER*.

Changes in OpenSSL 3.0

As part of strengthening security, recent versions of TIBCO Messaging products including TIBCO Enterprise Message Service, TIBCO FTL/eFTL, and TIBCO Rendezvous have transitioned from OpenSSL 1.1.1 to OpenSSL 3.0. To encrypt/decrypt `PKCS#12` files (in a way that is supported by OpenSSL 3.0), TIBCO Hawk instances must run with the following minimum versions of Java: 8u301 (Oracle), 8u342 (OpenJDK), 11.0.12, or any 17.x build (or later).

Java 11 Update for TIBCO Hawk®

Since Hawk® 6.3.1, Java 11.0.25 is supported for all Hawk components. For information about the platforms, see the Readme.

Product Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO Hawk®.

Ensure that the associated or dependent products (such as, TIBCO Runtime Agent, TIBCO Administrator™, and various platform microagents) that you use with Hawk® 6.3.1 are compatible. For example, the following TIBCO products are all incompatible with Hawk® 6.3.1 agents and therefore Hawk® 6.3.1 should not be loaded to the same TIBCO_HOME where these products are installed.

- TIBCO Administrator 5.8.0 and earlier
- TIBCO ActiveMatrix BusinessWorks 5.11 and earlier
- TIBCO Hawk ActiveMatrix Plug-in 1.2.0 and earlier
- TIBCO BusinessEvents® 5.1.1 and earlier

Hawk® 6.3.1 is functionally compatible with any versions of these products that either have Hawk® 4.9.x microagent or Hawk® 5.2.x and later microagents. Functional compatibility implies that the Hawk® 6.3.1 agent can detect and run the methods of Hawk® microagents embedded in the mentioned products. However, this does not certify full compatibility of these products with Hawk® 6.3.1. The following products are compatible with Hawk® 6.3.1, which implies that the Hawk® 6.3.1 agent can detect and invoke microagents from these Hawk® versions:

- Hawk® 6.3.0 standalone
- Hawk® 6.2.4 standalone
- Hawk® 6.2.3 standalone
- Hawk® 6.2.2 standalone
- Hawk® 6.2.1 standalone
- Hawk® 6.2.0 standalone
- Hawk® 6.1.0 standalone
- Hawk® 6.0.0 standalone
- Hawk® 5.2.x standalone
- Hawk® 5.1.x standalone
- Hawk® 5.0.0 standalone
- Hawk® 4.9.x standalone
- Hawk® 5.2.x embedded
- Hawk® 5.1.x embedded
- Hawk® 4.9.x embedded

Closed Issues

The following issues have been fixed in this release of TIBCO Hawk.

Key	Description
HK-13444	The TLS 1.1 is disabled.

Known Issues

The following issues exist in this release of TIBCO Hawk®.

Key	Description
HK-7764	**Summary:** In the Hawk console, you cannot deploy the rulebase of a regular domain to the Hawk agent of a proxy domain by using the **Deploy to** option. **Workaround:** None
HK-7238	**Summary:** When the database server goes down and the Hawk console is unable to connect to the database, the Hawk console asks for authentication repeatedly. Even after signing out, you cannot log in again using the correct username and password. **Workaround:** Check the database status and restart it. Once the database has started, try to log in to the Hawk console again.
HK-6677	**Summary:** In Hawk console, you cannot simplify or reduce complex test conditions in a single edit by using the rulebase test expression UI. **Workaround:** Perform multiple edits, modifying one expression per edit. You must click **Update Test** after each edit to simplify the complex test condition.
HK-6264	**Summary:** When the Hawk agent's configuration directory (`-auto_config_dir`), to auto-load rulebases, is empty and in Admin Agent, you import a rulebase, the rulebase page do not list the imported rulebase. **Workaround:** Restart the Admin Agent.
HK-6263	**Summary:** In the Rulebase Details page of Hawk Admin Agent, the **Deploy to** option does not deploy the rulebase to the same agent but changes the rulebase state to Deployed. **Workaround:** None
HK-6244	**Summary:** In Hawk Admin Agent, when you close the Derive Rulebase wizard, a derived rulebase is created instead of cancellation of the derive operation.

Key	Description
	Workaround: None
HK-6197	**Summary**: If access control is activated with restrictions on `updateRulebase` or `deleteRulebase` methods, then changing the name of an existing rulebase causes the rulebase to go into an inconsistent state. **Workaround**: None
HK-6126	**Summary:** You cannot create a Clear Action for a test in Hawk Admin Agent. **Workaround:** Create or edit the rulebase to add the clear action using some other console application such as, Hawk display or Hawk console.
HK-5736	**Summary**: The Messaging microagent's `sendMessage` method in `msghma` does not sets the JMS timestamp. Thus, the sent messages do not expire in the TIBCO Enterprise Message Service queue and fills up the queue. **Workaround**: None
HK-5387	**Summary**: The invocation of the method `JMSController->getConsumer` fails on the CentOS platform. **Workaround**: None
HK-5379	**Summary**: Even though a database user might have full privileges, the user encounters an error when trying to upload a `.mar` file using the Configuring Monitoring tool from its command mode. However, all privileges work if using the GUI. **Workaround**: Select read, write, and administer permissions for "Monitoring Management" folder before selecting read, write, and administer permissions for "TIBCO Administrator" folder while creating a user.
HK-5093	**Summary**: The HMA microagent methods do not work after invoking the `getStatistics()` method in the Network microagent. **Workaround**: None
HK-5031	**Summary**: In UNIX, the `getVirtualMachineInfo` and `getProcess` methods returns no results when the process name in the argument is more than 15 characters.

Key	Description
	Also, when the methods are ran with empty arguments, they return all the process names truncated to 15 characters. The issue occurs because both these methods read the process details from the `/proc/<process ID>/stat` file, where the Linux kernel limits the process name to 15 characters only. **Workaround**: Run the `getVirtualMachineInfo` or `getProcess` methods with a truncated (15 characters) process name. This returns information on all processes matching the supplied first 15 characters. You can identify the information about the required process name using the command line (in the `getVirtualMachineInfo` method) or Command (in the `getProcess` method) column that displays the full path to the executable.
HK-4722	**Summary:** Start two TIBCO Enterprise Messaging Service agents (one with SSL and another without SSL) with the same name but in different Hawk domains. Now, if you configure the Hawk Microagent for the SSL Hawk domain and agent only, the microagent is added to both the agents. **Workaround:** None
HK-4044	**Summary:** Hawk Event is not able to batch commit records in the database. Each record is written in the database using separate commit commands. **Workaround:** None
HK-3723	**Summary:** If the Java process uses IBM JDK and Hawk Agent uses Sun JDK, the JVM microagent cannot discover the JVMs running in the Java process. **Workaround:** Ensure that the Hawk agent uses the same JDK (IBM JRE version 1.6 that support for attach APIs) as used by the Java process.
HK-3573	**Summary:** Adding a Hawk domain with SSL to TIBCO Administrator results in errors. **Workaround:** None
HK-2912	**Summary**: On the SUSE Linux 11 64-bit platform, the method `COM.TIBCO.hawk.hma.TibRendezvous:onRvDaemonStatus` returns a wrong value for the field Inbound Data Loss. **Workaround**: None

Key	Description
HK-307	**Summary**: Uploading the Monitoring Console plug-in in the TIBCO Administrator fails with an exception. **Workaround**: Assessing standalone of TIBCO Hawk on the same machine resolves the issue.
HK-143	**Summary**: On Windows platforms, Japanese characters are not supported for use in regular expressions in the HMA microagents `Performance`, `Process`, and `Filestat`. Currently, only ASCII characters can be used for pattern matching. **Workaround**: None
TAHK-169	**Summary:** The clear and suspension details for an alert are not displayed after alert suspension. **Workaround:** None

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the Product Documentation website, mainly in HTML and PDF formats.

The Product Documentation website is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The documentation for this product is available on the TIBCO Hawk® Documentation page.

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our product Support website.
- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the product Support website. If you do not have a username, you can request one by clicking **Register** on the website.

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requests from within the TIBCO Ideas Portal. For a free registration, go to TIBCO Community.

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