



# **TIBCO Hawk®**

## **Release Notes**

*Version 6.2.2  
February 2023*



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## New Features

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

# Changes in Functionality

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## **Added option to disable certificate validation in the Heartbeat microagent**

You can disable certificate validation for a remote HTTP server by configuring the `skipCertificateValidation` parameter as `Yes` for the `pingHTTPServer` method.

# Deprecated and Removed Features

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

## Deprecated Features

Affected Component	Description	Deprecated Release
UniversalCollector microagent	The UniversalCollector microagent has been deprecated as of this release.	6.2.2
TIBCO LogLogic®	All integrations with TIBCO LogLogic® have been deprecated as of this release.	6.2.2

## Removed Features

### *Removed Features*

Affected Component	Description	Deprecated Release	Removed Release
TIBCO Hawk WebConsole	TIBCO Hawk WebConsole has been removed as of this release of TIBCO Hawk®. It is recommended that you now use Hawk Console.	6.1.0	6.2.2

# Migration and Compatibility

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## Migrating from TIBCO Hawk® 6.2.1 to version 6.2.2

 **Note:** You can migrate your data only from version 6.2.1 HF-5 to 6.2.2.

Perform the following steps before installing Hawk® 6.2.2 to retain the configurations of version 6.2.1:

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® 6.2.2 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®

Starting from this release, Java 11.0.17 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® 6.2.2 are compatible. For example, the following TIBCO products are all incompatible with Hawk® 6.2.2 agents and therefore Hawk® 6.2.2 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® 6.2.2 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® 6.2.2 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® 6.2.2. The following products are compatible with Hawk® 6.2.2, which implies that the Hawk® 6.2.2 agent can detect and invoke microagents from these Hawk® versions:

- 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

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

## Closed Issues

Key	Summary
HK-12454	In the Hawk console, the User Access Control did not work for a node specified using colons.
HK-11874	The h2 database jars have been upgraded to the latest available version.
HK-11822	The tibhawkpassword utility did not work with TIBCO Runtime Administrator version 5.12.x.
HK-11717	You cannot import a schedule with Saturday as its only defined period.
HK-11684	Spring Framework has been upgraded to the latest available version.
HK-10129	TIBCO Runtime Administrator domain hawkagent and admin did not start after the user installed standalone Hawk® 6.2.1
HK-9737	Upgraded log4j 1.2 to log4j 2.17.1  Prepend file:/// to the value of the property -Dlog4j.configuration in the .tra file. For example, the value in tibhawkagent.tra must be -Dlog4j.configuration=file:/// %HAWK_CONFIG_HOME%/bin/log4j_agent.properties. If you do not want log4j 1.2 in your system, then delete the jar file from <TIBCO_HOME>/hawk/6.2/webconsole/tomcat/webapps/hawkwebconsole/WEB-INF/lib/log4j-1.2.16.jar.
HK-9634	An error is returned when you invoke methods such as getServerInfo on a standby EMS server with JSON configuration. To fix this issue, a new method named isServerActive has been added to the EMS microagent. This method



*Closed Issues(Continued)*

Key	Summary
	returns a boolean value that indicates whether the EMS server is in an active state or in a standby state.
HK-9539	You can now skip certificate validation when invoking the <code>pingHTTPServer</code> method of the Heartbeat microagent.
HK-9516	TLS 1.2 was not supported for the agent to send mails.
HK-9514	A "System error" is occasionally returned when you undeploy a rulebase from the Hawk Console.
HK-9346	You cannot deploy a rulebase that uses the <code>getQueue</code> method from the <code>HawkController</code> microagent.
HK-9301	Clear action feature was not present in the Hawk Console.
HK-9294	You cannot clear <code>NoValidDataSourceError</code> alerts from the Hawk Console.
HK-8624	By using the refresh button, you can now see schedules with updated information in the Hawk Console that were not modified by using the Hawk Console.
HK-8396	Agents without active alerts are not visible on Hawk Console when the <code>hawkconsole_user_access_list</code> parameter is enabled.
HK-8366	You cannot create a rulebase by using the <code>File Size</code> parameter from the <code>getFileStatus</code> method belonging to the <code>FileStat</code> microagent.
HK-8278	<p>The Hawk Console did not support some of the SSL properties for EMS transport such as</p> <ul style="list-style-type: none"> <li>• <code>ssl_no_verify</code></li> <li>• <code>ssl_identity</code></li> <li>• <code>ssl_no_verify_hostname</code></li> <li>• <code>ssl_ciphers</code></li> </ul> <p>These properties are now supported.</p>

*Closed Issues(Continued)*

Key	Summary
HK-8247	A search field in the <b>Rulebase</b> tab has been added to search for a particular rulebase.
HK-8233	Hawk Console did not work if only the Hawk Console component was installed.
HK-8065	Hawk Console REST API/HawkConsole/Domain no longer returns the EMS domain transport password.

# Known Issues

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

Key	Description
HK-7840	<p><b>Summary:</b> Rulebase deployment fails if you are using TIBCO Hawk TEA agent with TIBCO® Enterprise Administrator 2.3.0, as the TIBCO® Enterprise Administrator server is not compatible with Java 11.</p> <p><b>Workaround:</b> Follow these steps:</p> <ol style="list-style-type: none"><li>1. Run TIBCO Hawk TEA agent with Java 8 runtime.</li><li>2. Update the following properties in the <code>tibhawkteaagent.tra</code> file to point to Java 8 specific files and folders:<ul style="list-style-type: none"><li>- JVM_LIB_PATH</li><li>-JVM_LIB_DIR</li></ul></li><li>3. Restart TIBCO Hawk TEA agent after update.</li></ol>
HK-7818	<p><b>Summary:</b> Hawk Universal Collector microagent fails to add a new collector when only a secured ULDP or TCP (Syslog) forwarder is added. The following error message is displayed:</p> <p>APPLY action on forwarder has error emptyConfiguration.</p> <p><b>Workaround:</b> Try to add the collector again after some time. The collector is added after repeated attempts.</p>
HK-7810	<p><b>Summary:</b> In the Universal Collector microagent in Hawk, forwarders and collectors from Hawk agents of regular domains cannot be deployed to Hawk agents of proxy domains using <b>Deploy to</b> action.</p> <p><b>Workaround:</b> First export the forwarders or collectors from Hawk agent of regular domain that you want to deploy to Hawk agents of proxy domains. Then import these forwarders or collectors in the Hawk agents of proxy domains.</p>
HK-7801	<p><b>Summary:</b> Hawk Universal Collector microagent cannot import secured forwarders.</p>

Key	Description
	<b>Workaround:</b> Export forwarders without authentication and then import them in the Hawk console. Configure the authentication after the forwarders are imported.
HK-7764	<p><b>Summary:</b> In the Hawk console, you cannot deploy the rulebase of a regular domain to the Hawk agent of a proxy domain by using the <b>Deploy to</b> option.</p> <p><b>Workaround:</b> None</p>
HK-7731	<p><b>Summary:</b> Hawk Universal Collector microagent secured forwarder cannot be deployed to other agents and gives the following error:</p> <p>Certificate file does not exist</p> <p><b>Workaround:</b> Forwarders without authentication must be deployed to other Hawk agent(s) and then the authentication can be configured.</p>
HK-7238	<p><b>Summary:</b> When the database server goes down and Hawk console is unable to connect to the database, Hawk console asks for authentication repeatedly. Even after signing out, you cannot log in again using the correct username and password.</p> <p><b>Workaround:</b> Check the database status and restart it. Once the database has started, try to log in to Hawk console again.</p>
HK-6677	<p><b>Summary:</b> In Hawk console, you cannot simplify or reduce complex test conditions in a single edit by using the rulebase test expression UI.</p> <p><b>Workaround:</b> Perform multiple edits, modifying one expression per edit. You must click <b>Update Test</b> after each edit to simplify the complex test condition.</p>
HK-6264	<p><b>Summary:</b> 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.</p> <p><b>Workaround:</b> Restart the Admin Agent.</p>
HK-6263	<p><b>Summary:</b> In the Rulebase Details page of Hawk Admin Agent, the <b>Deploy to</b> option does not deploy the rulebase to the same agent but changes the rulebase state to Deployed.</p>

Key	Description
	<b>Workaround:</b> None
HK-6244	<p><b>Summary:</b> In Hawk Admin Agent, when you close the Derive Rulebase wizard, a derived rulebase is created instead of cancellation of the derive operation.</p> <p><b>Workaround:</b> None</p>
HK-6197	<p><b>Summary:</b> If access control is activated with restrictions on <code>updateRulebase</code> or <code>deleteRulebase</code> methods, then changing the name of an existing rulebase causes the rulebase to go into an inconsistent state.</p> <p><b>Workaround:</b> None</p>
HK-6126	<p><b>Summary:</b> You cannot create a Clear Action for a test in Hawk Admin Agent.</p> <p><b>Workaround:</b> Create or edit the rulebase to add the clear action using some other console application such as, Hawk display or Hawk console.</p>
HK-5736	<p><b>Summary:</b> The Messaging microagent's <code>sendMessage</code> method in <code>msghma</code> 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.</p> <p><b>Workaround:</b> None</p>
HK-5387	<p><b>Summary:</b> The invocation of the method <code>JMSController-&gt;getConsumer</code> fails on the CentOS platform.</p> <p><b>Workaround:</b> None</p>
HK-5379	<p><b>Summary:</b> Even though a database user might have full privileges, the user encounters an error when trying to upload a <code>.mar</code> file using the Configuring Monitoring tool from its command mode. However, all privileges work if using the GUI.</p> <p><b>Workaround:</b> 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.</p>
HK-5093	<p><b>Summary:</b> The HMA microagent methods do not work after invoking the <code>getStatistics()</code> method in the Network microagent.</p>

Key	Description
	<b>Workaround:</b> None
HK-5031	<p><b>Summary:</b> In UNIX, the <code>getVirtualMachineInfo</code> and <code>getProcess</code> methods returns no results when the process name in the argument is more than 15 characters. Also, when the methods are executed 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 <code>/proc/&lt;process ID&gt;/stat</code> file, where the Linux kernel limits the process name to 15 characters only.</p> <p><b>Workaround:</b> Run the <code>getVirtualMachineInfo</code> or <code>getProcess</code> 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 <code>getVirtualMachineInfo</code> method) or Command (in <code>getProcess</code> method) column that displays the full path to the executable.</p>
HK-4722	<p><b>Summary:</b> 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.</p> <p><b>Workaround:</b> None</p>
HK-4044	<p><b>Summary:</b> Hawk Event is not able to batch commit records in the database. Each record is written in the database using separate commit commands.</p> <p><b>Workaround:</b> None</p>
HK-3723	<p><b>Summary:</b> 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.</p> <p><b>Workaround:</b> 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.</p>
HK-3573	<p><b>Summary:</b> Adding a Hawk domain with SSL to TIBCO Administrator results in errors.</p> <p><b>Workaround:</b> None</p>

Key	Description
HK-2912	<p><b>Summary:</b> On the SUSE Linux 11 64-bit platform, the method <code>COM.TIBCO.hawk.hma.TibRendezvous:onRvDaemonStatus</code> returns a wrong value for field Inbound Data Loss.</p> <p><b>Workaround:</b> None</p>
HK-307	<p><b>Summary:</b> Uploading the Monitoring Console plug-in in the TIBCO Administrator fails with an exception.</p> <p><b>Workaround:</b> Performing a standalone installation of TIBCO Hawk on the same machine resolves the issue.</p>
HK-143	<p><b>Summary:</b> 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.</p> <p><b>Workaround:</b> None</p>
TAHK-169	<p><b>Summary:</b> The clear and suspension details for an alert are not displayed after alert suspension.</p> <p><b>Workaround:</b> None</p>

# TIBCO Documentation and Support Services

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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 [TIBCO Product Documentation](#) website, mainly in HTML and PDF formats.

The [TIBCO Product Documentation](#) website is updated frequently and is more current than any other documentation included with the product.

## Product-Specific Documentation

Documentation for TIBCO Hawk® is available on the [TIBCO Hawk® Product Documentation](#) page.

The following documents for this product can be found in the TIBCO Documentation site:

- *TIBCO Hawk® Release Notes*
- *TIBCO Hawk® Concepts*
- *TIBCO Hawk® Installation, Configuration, and Administration*
- *TIBCO Hawk® Console User Guide*
- *TIBCO Hawk® Programmer's Guide*
- *TIBCO Hawk® Admin Agent*
- *TIBCO Hawk® Plug-in Reference for TIBCO Administrator*
- *TIBCO Hawk® Microagent Reference*
- *TIBCO Hawk® Plug-in Reference*
- *TIBCO Hawk® Security Guidelines*



## How to Contact TIBCO Support

Get an overview of [TIBCO Support](#). You can contact TIBCO Support in the following ways:

- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the [TIBCO Support](#) website.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to [TIBCO Support](#) website. If you do not have a user name, you can request one by clicking **Register** on the website.

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