



TIBCO Hawk® – Container Edition

Release Notes

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TIBCO Documentation and Support Services

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. To access the latest documentation, visit <https://docs.tibco.com>.

Product-Specific Documentation

The following documents for this product is available on the [Hawk® Container Edition](#) product documentation page.

- *TIBCO Hawk® Container Edition Release Notes*
- *TIBCO Hawk® Container Edition Installation and Configuration Guide*
- *TIBCO Hawk® Container Edition Microagent Reference Guide*

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit <http://www.tibco.com/services/support>.
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at <https://support.tibco.com>.
- 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 <https://support.tibco.com>. If you do not have a user name, you can request one by clicking Register on the website.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](#). For a free registration, go to <https://community.tibco.com>.

New Features

The following new features have been added to version 2.0.0 of TIBCO Hawk® Container Edition.

Rulebase Repository

The new rulebase repository in Hawk® Container Edition stores all the rulebases and schedules in the Hawk Console and maintains the mapping of rulebases to be deployed to agents. The rulebases can also be mapped to a group of agents. You can now manage the rulebase repository from Hawk Console.

For details, see [Rulebase Repository Management in Hawk Console](#).

Alerts Purge

You can now set the environment variables in the Hawk Console container to purge the alerts after their retention limit is reached.

For details, see [Environment Variables for Hawk Container Edition Components](#).

SSL/TLS Support

Hawk Container Edition now supports the SSL/TLS security protocol for the following components:

- TCP Transport for TIBCO Hawk
- Hawk Console

For details about the SSL/TLS related environment variables, see [Environment Variables for Hawk Container Edition Components](#).

Custom Microagent

By using the Custom microagent, you can now execute the programs and scripts in Hawk agent container.

For details, see [The COM.TIBCO.hawk.microagent.Custom Microagent](#).

Red Hat OpenShift Container Platform Support

You can now run Hawk Container Edition components on Red Hat OpenShift container platform.

Java 11 Support

Hawk Container Edition now supports Java 11 as a runtime environment.

Changes in Functionality

The following functionality changes have been done in version 2.0.0 of Hawk Container Edition.

Hawk Console

Hawk Console is now provided with Hawk Container Edition, and the TIBCO Hawk[®] Console for Docker - Community Edition is no longer required for accessing Hawk Console.

The UniversalCollectorMicroAgent Microagent

The LMIContainerMA microagent is replaced by the UniversalCollectorMicroAgent microagent. The Universal Collector microagent enables you to monitor the log files, Docker container logs, and Hawk rulebases. You can also forward these logs and rulebase data to TIBCO LogLogic[®] Log Management Intelligence (LMI) or another Syslog Server.

For details, see [The COM.TIBCO.hawk.microagent.uc.UniversalCollectorMicroAgent Microagent](#).

Dockerfile Base Image

The default base image in the provided Dockerfiles is changed from Alpine Linux to Debian Linux with OpenJDK 11.

Deprecated and Removed Features

No features are deprecated or removed as of version 2.0.0 of Hawk Container Edition.

Migration and Compatibility

The following information provides the migration procedures for the this release of Hawk Container Edition.

Migrating from Version 1.0.0

In the Docker environment, the best practice for Hawk Container Edition upgrade is to perform a new installation. However, if you want to use your existing configuration files (.yaml) from Hawk Container Edition version 1.0.0, you must perform the following:

1. Build the Hawk Container Edition components Docker images by using the new Dockerfiles.
2. Update your existing `docker-compose.yaml` file and other configuration files as follows:
 - Update all images names with the new image names, for example, update the Hawk Console Docker image name from `hkcc_console:1.0` to `hkce_console:2.0`.
 - For all the environment variables with container paths, update the path value. For example, update


```
hma_plugin_dir: /tibco.home/hkce/1.0/plugin/
```

 to


```
hma_plugin_dir: /tibco.home/hkce/2.0/plugin/
```
 - Configure the rulebase repository in the Hawk Console by using the `hawk_console_repository_path` environment variable.
 - Add new configurations as per your requirement.

For details, see [Dockerize Hawk Container Edition](#).

3. For optimized use of the rulebase repository, migrate existing rulebases and schedules from Hawk agents to the rulebase repository. This is not mandatory for migration of Hawk Container Edition and you can migrate rulebases at later stages as well. For details, see [Migrating Rulebases and Schedules from Hawk Agent to Rulebase Repository](#).

Running Hawk Container Edition with Java 8 and Alpine

In version 2.0.0 of Hawk Container Edition, the default base image on the provided Dockerfiles is Debian Linux with OpenJDK 11. However, if you want to run Hawk Container Edition with Java 8 and Alpine Linux, you must update the Dockerfiles for each component.

Edit the Dockerfile for Hawk Console, Hawk Cluster Manager, and Hawk agent and replace the following command

```
FROM openjdk:11.0.1-jre-slim-stretch
```

with the following command:

```
FROM alpine:latest
RUN apk add bash
RUN apk --update add openjdk8-jre
```

Now, build the Docker images by using the updated Dockerfiles and run them in standalone mode or on AWS based Kubernetes cluster. For details about the procedure, see [Dockerize Hawk Container Edition](#).

Closed Issues

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

Key	Summary
HKCE-136	Hawk Console did not start with the default environment variables.
HKCE-114	Sometimes the <code>java.lang.ClassCastException</code> error occurred when you started the <code>getContainerStats</code> method of <code>DockerHostMicroagent</code> .

Known Issues

The following issues exist in this release of Hawk Container Edition.

Issue	Description
HKCE-324	<p>Summary: In Hawk Console, the state of the rulebase do not change in web UI after deploying to a Hawk agent.</p> <p>Workaround: Refresh the web page in your browser to update the state of the rulebase from Undeployed to Deployed.</p>
HKCE-323	<p>Summary: Hawk Console displays the list of Hawk agents with the same DNS only when you select the Deploy To action for the schedule.</p> <p>Workaround: None</p>