



TIBCO ActiveMatrix® Service Grid - Container Edition

Release Notes

Version 1.0.0

December 2020



Contents

Contents	2
TIBCO Documentation and Support Services	3
New Features	5
Changes in Functionality	7
Migration and Compatibility	8
Known Issues	9
Legal and Third Party Notices	12

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

Documentation for TIBCO ActiveMatrix® Service Grid - Container Edition is available on the [TIBCO ActiveMatrix® Service Grid - Container Edition Product Documentation](#) page.

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

- *TIBCO ActiveMatrix® Service Grid - Container Edition Release Notes*
- *TIBCO ActiveMatrix® Service Grid - Container Edition Cloud Deployment Guide*
- *TIBCO ActiveMatrix® Service Grid - Container Edition Administration*
- *TIBCO ActiveMatrix® Service Grid - Container Edition Monitoring*
- *TIBCO ActiveMatrix® Service Grid - Container Edition Quick Start 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 features have been added in this release of TIBCO ActiveMatrix® Service Grid - Container Edition.

Support for Docker and Kubernetes Platforms

You can use ActiveMatrix Service Grid - Container Edition to run TIBCO ActiveMatrix applications on Docker and Kubernetes platforms (PaaS). You can deploy, monitor, and manage applications by using a Kubernetes-based orchestration framework. For more information about supported versions and platforms, see the Readme file.

Red Hat OpenShift Container Platform Support

You can run ActiveMatrix Service Grid - Container Edition components on Red Hat OpenShift container platform.

Amazon Elastic Kubernetes Service (Amazon EKS) Platform Support

You can run ActiveMatrix Service Grid - Container Edition components on Amazon Elastic Kubernetes Service (Amazon EKS) platform.

Application Configurator UI

Using the Application Configurator interface, you can configure different entities such as properties, substitution variables, bindings, resource templates, logging configuration, and JVM arguments for an application. You can view the YAML configuration in a browser or can download the configuration as a .zip file. This configuration is required to containerize an application. For more information, see *TIBCO ActiveMatrix® Service Grid - Container Edition Administration*.

Application Extractor

Using Application Extractor tool you can migrate applications running in ActiveMatrix Service Grid 3.x to ActiveMatrix Service Grid - Container Edition. You can use the Application Extractor tool to extract the application DAA and the application deployment configuration from ActiveMatrix Service Grid 3.x setup and use the extracted files to containerize the application. For more information, see *TIBCO ActiveMatrix® Service Grid - Container Edition Quick Start Guide*.

Application Monitor

You can monitor applications running on Docker and Kubernetes platforms by using the Application Monitor dashboard. You can monitor these applications by deploying ActiveMatrix Service Grid - Container Edition Application Monitor agent on a supported cloud platform. The dashboard displays data related to Kubernetes (pods, replicas, deployments, and namespaces) and TIBCO ActiveMatrix entities (nodes, environments, and applications) on a single dashboard. For more information, see *TIBCO ActiveMatrix® Service Grid - Container Edition Monitoring*.

TIBCO Hawk® Monitoring

ActiveMatrix Service Grid - Container Edition provides a Hawk microagent to monitor the application by using TIBCO Hawk®. Each ActiveMatrix Service Grid - Container Edition node contains one Hawk microagent. For more information, see *TIBCO ActiveMatrix® Service Grid - Container Edition Monitoring*.

Java 11 Support

ActiveMatrix Service Grid - Container Edition supports Java 11 as a runtime environment.

Changes in Functionality

The following functionality and features have been changed in this release of TIBCO ActiveMatrix® Service Grid - Container Edition 1.0.0.

To provide a container-based runtime for a scalable, faster, and simplified application deployment on cloud platforms, ActiveMatrix Service Grid - Container Edition does not include some of the functionality of TIBCO ActiveMatrix Service Grid. For more information, see "Differences between ActiveMatrix Service Grid 3.x and ActiveMatrix Service Grid - Container Edition" topic in *TIBCO ActiveMatrix® Service Grid - Container Edition Quick Start Guide*.

Migration and Compatibility

For more information about how to migrate your applications from TIBCO ActiveMatrix Service Grid 3.x to ActiveMatrix Service Grid - Container Edition, see the "Migrating ActiveMatrix Service Grid 3.x Applications to ActiveMatrix Service Grid - Container Edition" section in *TIBCO ActiveMatrix® Service Grid - Container Edition Quick Start Guide*.

Known Issues

The following issues exist in this release of TIBCO ActiveMatrix® Service Grid - Container Edition.

Key	Description
KONEX-933	<p>Summary: Applications containing the following Resource Templates are not supported in Application Configurator, Application Extractor, and Application Monitor:</p> <ul style="list-style-type: none">• Hibernate• Trust Provider• Kerberos Identity Provider• Kerberos Authentication• Siteminder Authentication• Teneo <p>Workaround: None</p>
KONEX-1472	<p>Summary: Applications containing the following Implementation types are not supported in Application Configurator, Application Extractor, and Application Monitor:</p> <ul style="list-style-type: none">• C++• BusinessWorks Service Engine (BWSE)• .NET• ActiveMatrix BPM <p>Applications containing the following binding types are not supported in Application Configurator, Application Extractor, and Application Monitor:</p> <ul style="list-style-type: none">• EJB• Adapters• Virtualization• JMS <p>Workaround: None</p>

Key	Description
KONEX-2391	<p>Summary: In the Application Configurator, JNDI Connection Configuration resource template, the JNDI provider options Progress SonicMQ, IBM MQ, and Custom (Used for custom JNDI providers) are not supported.</p> <p>Workaround: None</p>
KONEX-2817	<p>Summary: The stdout logger is not seen in node.log though the NODE_ROOT Appender is assigned to stdout logger. Applications using stdout logs are printed only in the console and not in the node log file.</p> <p>Workaround: None</p>
KONEX-2949	<p>Summary: In the Application Monitor, property type for HTTP connector is displayed as String instead of HTTP Connector.</p> <p>Workaround: None</p>
KONEX-3015	<p>Summary: An application Image is successfully created even when an invalid credential is specified for external keystore in the application configuration YAML file.</p> <p>Workaround: None</p>
KONEX-3283	<p>Summary: If the application contains lower version of javax.jms, the container fails to start with the error:</p> <p>"Missing Constraint: Import-Package: javax.jms; version="[1.1.100,2.0.0)."</p> <p>Workaround: Update the higher range of "javax.jms" to 3.3.0. Recreate the DAA file, recreate the image and then start the container.</p>
KONEX-3312 KONEX-3318	<p>Summary: On the Amazon EKS platform with large-scale cluster (1100+ pods), Application Monitor displays incorrect Node count on Application and Environment page when some of the pods stuck in Pending status.</p> <p>Workaround: None</p>
KONEX-3323	<p>Summary: When the ActiveMatrix Service Grid - Container Edition TEA agent pod is deleted, Application Monitor displays the following error and stops responding:</p> <p>Managed Object with ID: AMXCE Service Grid : Not Found</p> <p>Workaround: None</p>

Key	Description
KONEX-3325	<p>Summary: If you run <code>build_amxce.sh</code> script to build an application image concurrently by using any automation job, the temporary folders are created in the <code>amsgce-runtime-<version>/runtime/application/</code> folder with the same timestamp and image creation fails.</p> <p>Workaround: None</p>
KONEX-3342	<p>Summary: On Amazon EKS platform with the large-scale cluster (900 pods), after reconnecting TEA agent, the Environment, Application, AMXCE Node, and Service Discovery pages load the data after delay of three minutes.</p> <p>Workaround: None</p>
KONEX-3343	<p>Summary: On Amazon EKS platform with the large-scale cluster, after reconnecting the TEA agent, the "Reconnect Successful" message is not displayed.</p> <p>Workaround: None</p>
KONEX-3363	<p>Summary: JMS Binding is not supported in ActiveMatrix Service Grid - Container Edition 1.0.0. Configuring JMS Binding in Application Configurator is not supported.</p> <p>Workaround: None</p>

Legal and Third Party Notices

SOME TIBCO SOFTWARE EMBEDS OR BUNDLES OTHER TIBCO SOFTWARE. USE OF SUCH EMBEDDED OR BUNDLED TIBCO SOFTWARE IS SOLELY TO ENABLE THE FUNCTIONALITY (OR PROVIDE LIMITED ADD-ON FUNCTIONALITY) OF THE LICENSED TIBCO SOFTWARE. THE EMBEDDED OR BUNDLED SOFTWARE IS NOT LICENSED TO BE USED OR ACCESSED BY ANY OTHER TIBCO SOFTWARE OR FOR ANY OTHER PURPOSE.

USE OF TIBCO SOFTWARE AND THIS DOCUMENT IS SUBJECT TO THE TERMS AND CONDITIONS OF A LICENSE AGREEMENT FOUND IN EITHER A SEPARATELY EXECUTED SOFTWARE LICENSE AGREEMENT, OR, IF THERE IS NO SUCH SEPARATE AGREEMENT, THE CLICKWRAP END USER LICENSE AGREEMENT WHICH IS DISPLAYED DURING DOWNLOAD OR INSTALLATION OF THE SOFTWARE (AND WHICH IS DUPLICATED IN THE LICENSE FILE) OR IF THERE IS NO SUCH SOFTWARE LICENSE AGREEMENT OR CLICKWRAP END USER LICENSE AGREEMENT, THE LICENSE(S) LOCATED IN THE “LICENSE” FILE(S) OF THE SOFTWARE. USE OF THIS DOCUMENT IS SUBJECT TO THOSE TERMS AND CONDITIONS, AND YOUR USE HEREOF SHALL CONSTITUTE ACCEPTANCE OF AND AN AGREEMENT TO BE BOUND BY THE SAME.

This document is subject to U.S. and international copyright laws and treaties. No part of this document may be reproduced in any form without the written authorization of TIBCO Software Inc.

TIBCO, the TIBCO logo, the TIBCO O logo, TIB, Information Bus, ActiveMatrix, Business Studio, TIBCO Business Studio, Enterprise Message Service, Hawk, and Rendezvous are either registered trademarks or trademarks of TIBCO Software Inc. in the United States and/or other countries.

Java and all Java based trademarks and logos are trademarks or registered trademarks of Oracle Corporation and/or its affiliates.

All other product and company names and marks mentioned in this document are the property of their respective owners and are mentioned for identification purposes only.

This software may be available on multiple operating systems. However, not all operating system platforms for a specific software version are released at the same time. See the readme file for the availability of this software version on a specific operating system platform.

THIS DOCUMENT IS PROVIDED “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

THIS DOCUMENT COULD INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. CHANGES ARE PERIODICALLY ADDED TO THE INFORMATION HEREIN; THESE CHANGES WILL BE INCORPORATED IN NEW EDITIONS OF THIS DOCUMENT. TIBCO SOFTWARE INC. MAY MAKE

IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S) AND/OR THE PROGRAM(S) DESCRIBED IN THIS DOCUMENT AT ANY TIME.

THE CONTENTS OF THIS DOCUMENT MAY BE MODIFIED AND/OR QUALIFIED, DIRECTLY OR INDIRECTLY, BY OTHER DOCUMENTATION WHICH ACCOMPANIES THIS SOFTWARE, INCLUDING BUT NOT LIMITED TO ANY RELEASE NOTES AND "READ ME" FILES.

This and other products of TIBCO Software Inc. may be covered by registered patents. Please refer to TIBCO's Virtual Patent Marking document (<https://www.tibco.com/patents>) for details.

Copyright © 2020. TIBCO Software Inc. All Rights Reserved.