



# **TIBCO® Order Management - Low Latency**

## **Release Notes**

*Software Release 5.0.0  
December 2019*

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## About this Product

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TIBCO Order Management is an elastic, catalog-driven order management system for digital service providers. It accepts orders from any customer engagement system and orchestrates the tasks required for fulfilling the orders.

TIBCO Order Management is the next generation of TIBCO® Fulfillment Order Management and partially replaces the old product. To better align TIBCO Fulfillment Order Management with market demand, the product's capabilities have been reorganized into two new products: TIBCO® Order Management and TIBCO® Offer and Price Engine.

TIBCO Order Management is further divided into variant products:

- **TIBCO® Order Management - Low Latency:** Use this new product for scalable processing of low-latency orders
- **TIBCO Order Management - Long Running:** This product continues to support processing of long-running orders

# TIBCO Documentation and Support Services

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## 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® Order Management - Low Latency is available on the [Order Management Documentation](#) page.

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

- *TIBCO Order Management - Low Latency Release Notes*
- *TIBCO Order Management - Low Latency Installation and Configuration Guide*
- *TIBCO Order Management - Low Latency User's Guide*
- *TIBCO Order Management - Low Latency Administration Guide*
- *TIBCO Order Management - Low Latency Best Practices Guide*
- *TIBCO Order Management - Low Latency Concepts and Architecture Guide*
- *TIBCO Order Management - Low Latency Web Services 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

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The following features have been added in this release of TIBCO Order Management - Low Latency.

## **REST APIs with Swagger**

REST endpoints for all the order management services are introduced in this release of TIBCO Order Management - Low Latency.

TIBCO Order Management - Low Latency REST APIs are now integrated with the Swagger, providing a browser-based test client to visualize and try out the APIs. Support for Swagger JSON is also added. You can use the Swagger JSON file for information such as the available endpoints, operations on each endpoint, input and output parameters for each operation and authentication methods.

For the steps to access the Swagger UI to test the REST APIs and for information on the Swagger JSON, see *TIBCO® Order Management - Low Latency Administration*.

## **Support for TM Forum Compliance Request**

TM Forum compliance request is fulfilled through TM Forum Adapter. TM Forum Adapter is an implementation for TMF622 API specification, which acts as a bridge between the TM Forum Specification and TIBCO Order Management.

## **Support for Redis**

Redis, which is an in-memory data structure store, is used instead of a Oracle database.

## **TIBCO FTL for notification**

Support for TIBCO FTL for order management of out-bound notification is implemented.

## **User Creation Service**

Through REST API (endpoint as `http://localhost:9091/v1/create`), you can create and modify a user and its details.

## **User Log in with Configurator**

Now users can also log in with Configurator unlike before only admin could.

## **Disable Secure API**

You can disable the `secure API` property to bypass authentication.

## Changes in Functionality

The following functionality and features have been changed in this release of TIBCO Order Management - Low Latency.

### Order Management Performance Improvement

Order management performance has been improved by implementing the in-memory data structure store Redis and by optimizing order processing.

### Configurator and Configuration Service

Configuration changes are sent to the Configurator, and the configuration properties of all the services are saved in the `configuration` and `app_properties` tables.

Whenever a service is up, a request is sent to the Configuration service, which provides the required bootstrap properties to start the service.

### Changed or Modified Services

Services	Before 5.0 release	Starting 5.0 release
Catalog Service	Model Load Engine was a component of Order Management System, which was used for model-loading purposes.	A separate service called Catalog Service, which loads product models and plan fragment models.
Orchestrator	Order Management Server was used to organize the orders.	Orchestrator is used to organize the orders.
Data Service	This service was present in Order Management Server, which used to manage the Transient Data Store calls.	A separate service called Data Service, which gets and sets the plan level and plan item level user-defined fields.
Authorization Service	Authorization Service was present as a suite service in Order Management Server.	Now it stands as a separate service so that you do not have to depend on the Orchestrator for authentication.



## Deprecated and Removed Features

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The following features have been deprecated or removed as of this release of TIBCO Order Management - Low Latency:

### *Removed Features*

Affected Component	Description	Removed in Release
Oracle DB	Support for Oracle DB has been stopped and instead in-memory data structure store Redis is used.	5.0
Offer and Price Engine	The Offer and Price Engine has been removed from this release and now it is available as a separate TIBCO product.	5.0
Order Capture System	Order Capture System has been removed.	5.0
SOAP Service	Support for SOAP service has been stopped starting from this release and instead REST service is used.	5.0

## Migration and Compatibility

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Migration and compatibility are not affected in this release of TIBCO Order Management - Low Latency.

## Closed Issues

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No issues have been closed in this release of TIBCO Order Management - Low Latency.

## Known Issues

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The following issues exist in this release of TIBCO Order Management - Low Latency:

Change Request ID	Summary
FOMLL-816	<p><b>Summary:</b> While running the test harness Docker images on TIBCO BusinessWorks™ Container Edition 2.4, the test harness does not start.</p> <p><b>Workaround:</b> None</p>