



TIBCO® Offer and Price Engine

Release Notes

Version 5.1.0

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About This Product

TIBCO® Offer and Price Engine is a cloud-native, in-memory omnichannel server of offers and prices for digital service providers. It answers requests from a digital service provider's customer-facing channels for offers and prices, subject to business rules such as customer eligibility and product compatibility.

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

- TIBCO® Order Management
- TIBCO® Offer and Price Engine

Customers who are currently on maintenance for TIBCO Fulfillment Order Management are entitled to upgrade to both TIBCO Order Management and TIBCO Offer and Price Engine. TIBCO will continue to support TIBCO Fulfillment Order Management, and there is currently no plan to retire TIBCO Fulfillment Order Management. New capabilities will be developed in TIBCO Order Management and TIBCO Offer and Price Engine.

New Features

The following features have been added in this release of TIBCO Offer and Price Engine.

- **Shopping Cart Service**

The REST APIs in the Shopping Cart service are used to perform various actions on the products in a cart. For example, you can save, update, delete, or get products in the cart. For the shopping cart APIs, specification from TM Forum R19.0.0 is followed.

- **Microservices**

The following microservices have been added in this release of TIBCO Offer and Price Engine:

- Offer Search Index Service
- Authorization Service
- Catalog Service
- Configuration Service
- Configurator

For more information about these microservices, see *TIBCO® Offer and Price Engine Concepts* guide.

- **In-Memory Cache**

In-memory cache is introduced to improve the performance of TIBCO Offer and Price Engine. You can use any of the following in-memory caches:

- Redis
- Oracle or PostgreSQL

- **Encrypt Password Utility**

This is an optional service. It is only used to encrypt the password.

- **Configuration of SSL**

You can configure SSL security protocol for TIBCO Offer and Price Engine.

- **Relational Database support**

Support for Google Cloud Platform has been added.

Changes in Functionality

The following functionality and features have been changed in this release of TIBCO Offer and Price Engine.

Offer Search Engine

The `searchOffers` API is removed from Offer and Price Engine service and is now a part of `offersearchindex-service`.

Model Loading Engine

Model loading functionality is removed from Model Loading Engine service and is now done through Catalog Service.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO Offer and Price Engine.

Removed Features

Affected Component	Description	Removed in Version
Model Loading Engine	Model Loading Engine has been removed from this release of TIBCO Offer and Price Engine.	5.1.0
OPE Gateway	OPE Gateway has been removed from this release of TIBCO Offer and Price Engine.	5.1.0
Messaging Adapter micro service	Messaging Adapter micro service has been removed from this release of TIBCO Offer and Price Engine.	5.1.0
Auth Center micro service	Auth Center micro service has been removed from this release of TIBCO Offer and Price Engine.	5.1.0
OfflineCatalogue.wsdl	OfflineCatalogue.wsdl has been removed from this release of TIBCO Offer and Price Engine. Starting from this release, purging is handled by the catalog service.	5.1.0
Support for consul and MinIO	Support for consul and MinIO has been removed from this release of TIBCO Offer and Price Engine.	5.1.0

Migration and Compatibility

There are no migration procedures or compatibility issues in this release of TIBCO Offer and Price Engine.

Closed Issues

No issues have been closed in this release of TIBCO Offer and Price Engine.

Known Issues

The following issues exist in this release of TIBCO Offer and Price Engine.

Key	Summary and Workaround
OPES-1061	Summary: The copyLib.sh script does not list all the required jars. Workaround: You can update the copyLib.sh script manually to add all the required jars.
OPES-1030	Summary: Offer and Price Engine java customization does not work. Workaround: None
OPES-1017	Summary: Docker container logs are not created. Workaround: None
OPES-1013	Summary: The OPERuleExtensionValidateOffer case fails when it is executed with multiple incompatible rules. Workaround: None
OPES-1012	Summary: All the products are not saved in the TOP_LEVEL_PRODUCT table in a database as expected. Workaround: None
OPES-998	Summary: When you send a request for the Update shopping cart API, a new cart entry is added in Redis instead of updating the existing cart. Also, updating an existing shopping cart by id does not work. Workaround: None
OPES-877	Summary: When pluggableCache.storage is set to Redis, uploadConfig.sh does not work as expected. Workaround: None
OPES-838	Summary: The Shopping cart functionality is supported only on Redis. Workaround: None

(Continued)

Key	Summary and Workaround
OPES-816	Summary: The Multitenancy functionality is not supported in Shopping Cart. Workaround: None
OPES-806	Summary: The Shopping Cart functionality is not integrated with Offer Price Engine. Workaround: None
OPES-751	Summary: You cannot modify datasource URL properties from configurator UI. Workaround: Modify <code>configValues_<Service_name>.xml</code> file by updating datasource related properties and then run <code>uploadConfig.sh</code> script from <code><OPE_HOME>/roles/configurator/standalone/bin</code> directory.

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 [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

The following documentation for this product is available on the [TIBCO® Offer and Price Engine](#) documentation page:

- *TIBCO® Offer and Price Engine Release Notes*
- *TIBCO® Offer and Price Engine Installation and Configuration Guide*
- *TIBCO® Offer and Price Engine Concepts Guide*
- *TIBCO® Offer and Price Engine User's Guide*
- *TIBCO® Offer and Price Engine Web services Guide*
- *TIBCO® Offer and Price Engine 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.

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 [TIBCO Community](#).

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