

# Oracle Banking Trade Finance Cloud Service

## Rest API Services User Guide



Release 14.8.0.0.0

G32792-01

April 2025

ORACLE®

Copyright © 2020, 2024, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# Contents

## Preface

---

Purpose	iv
Audience	iv
Documentation Accessibility	iv
Diversity and Inclusion	iv
Organization	v
Conventions	v
Related Resources	v

## 1 Rest API Services - Overview

---

1.1 Rest HTTP Headers	1-2
1.2 Rest Services Changes	1-2

# Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Organization](#)
- [Conventions](#)
- [Related Resources](#)

## Purpose

This User Guide is intended to familiarize you with the light-weight REST based services of Oracle Banking Trade Finance Cloud Service. The manual gives you an overview of the services developed, input/request parameters and the response of the each REST service.

## Audience

The manual is intended for integrating external systems to Oracle Banking Trade Finance Cloud Service using RESTFUL framework.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### **Access to Oracle Support**

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Organization

The manual is organized into the following topics

Topics	Description
<b>Preface</b>	This topic gives information on the intended audience. It also lists the various topics covered in this User Manual.
<b>Rest API - An Overview</b>	This topic provides a snapshot of the features of the entire module.

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## Related Resources

For more information, see these Oracle Banking Trade Finance resources:

- Oracle Banking Trade Finance Release Notes
- Oracle Banking Trade Finance Install & Upgrade

# 1

## Rest API Services - Overview

Oracle Banking Trade Finance Cloud Service has adopted the industry standard of providing light-weight services through Representational State Transfer (popularly known as ReST) services. These lightweight services support the current trend of mobile/tablet based applications. These services help to improve the response time for tablet/mobile applications, as these applications are very chatty, involves numerous hits to the server and the expected response time is minimal for each of the requests.

The REST/Fine grain services using GET methods are listed below:

1. LC Details
2. Guarantee Details
3. Bills and Collections

More information on the above listed services can be found in the respective sections of the User manual.

Each of the services listed above will be a URL. These URLs can be tested using any of the available browser plug-ins like Postman, RestEasy etc.. Also these services can be integrated with an API manager depending on its use. Below is the format of a Get account balance service example which will take the customer account number and branch code as the input

`http://(IP):(Port)/ForeignCurrencyExchangeRates/QueryFXCurrencyRate/brncd/{brncd}/ccy1/{ccy1}/ccy2/{ccy2}`

The input for the GET services is passed as a part of the URL and if more than one input needs to be passed they should be separated by a forward slash (/). Apart from passing the customer number as a part of the URL, the services also expect a few header parameters to be passed to the service. The following are the header parameters passed:

Field	Description
userId	OBTF login user Id
branch	The bank branch to which the user belongs.
msgId	A alphanumeric input from the consumer.
source	Source of the request whether it is OBTF or an external system.
Content-Type	This mentions the format of the input /output. Since we are using the JSON format we will give the content-type as application/json.
Entity	Entity ID

UserId, password and msgId are for authenticating the user accessing the service. More information on authentication can be found under Section 2.

The list of services will be discussed in detail in the following chapters.

- [Rest HTTP Headers](#)
- [Rest Services Changes](#)

## 1.1 Rest HTTP Headers

The following are the headers that are expected in all the requests that are sent to the Rest API application.

Field	Description
userId	OBTF login user Id
branch	The bank branch to which the user belongs.
msgId	A alphanumeric input from the consumer.
source	Source of the request whether it is OBTF or an external system.
Content-Type	This mentions the format of the input /output. Since we are using the JSON format we will give the content-type as application/json.
Entity	Entity ID

## 1.2 Rest Services Changes

Support for Rest Services are enhanced to all modules of Oracle Banking Trade Finance through ODT. In ODT the user can opt for selected Rest services, ODT shall generate rest artefacts for Function IDs opted which can be deployed into application.

Fine grained services are introduced as part of the new release which caters to niche requests.

### Rest Documentations

Please refer the **Rest API Services User Guide** link for Rest Documentaion.zip and [Rest Services](#) for Rest Services details.

# Rest Services Details

## Purpose

This topic describes the API Function IDs and Service Name.

## Rest\_Service\_Details

FunctionID	ServiceName
BCDBRPRM	BillsAndCollectionsBranchParametersService
BCDCOMCD	BillsAndCollectionsCommodityCodeService
BCDDOCCD	BillsAndCollectionsDocumentCodeService
BCDFFTC	BillsAndCollectionsFreeFormatCodeService
BCDPRMNT	BillsAndCollectionsProductService
BCDTRDOC	BillsAndCollectionsDocumentArrivalService
BCDTRONL	BillsAndCollectionsContractService
BCDTRPAY	BillsAndCollectionsPaymentService
LCDAVMNT	LettersOfCreditAvailmentDetailService
LCDILUTL	LettersOfCreditImportLicenseUtilizationService
LCDIMLIC	ImportLicenseService
LCDTRANF	LettersOfCreditTransferService
LCDTRPAY	LettersOfCreditPaymentService