Oracle Banking Trade Finance Cloud Service

Rest API Services User Guide

Release 14.8.1.0.0
G47087-01
October 2025

ORACLE

Oracle Banking Trade Finance Cloud Service Rest API Services User Guide, Release 14.8.1.0.0

G47087-01

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Preface

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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.

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Organization

The manual is organized into the following topics

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

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	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

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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

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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.

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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
BCDFFTCD	BillsAndCollectionsFreeFormatCodeService
BCDPRMNT	BillsAndCollectionsProductService
BCDTRDOC	BillsAndCollectionsDocumentArrivalService
BCDTRONL	BillsAndCollectionsContractService
BCDTRPAY	BillsAndCollectionsPaymentService
LCDAVMNT	LettersOfCreditAvailmentDetailService
LCDILUTL	LettersOfCreditImportLicenseUtilizationService
LCDIMLIC	ImportLicenseService
LCDTRANF	LettersOfCreditTransferService
LCDTRPAY	LettersOfCreditPaymentService

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