

Oracle Oracle Banking Trade Finance Rest API Services User Guide



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Preface

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

- [Audience](#)
- [Organization](#)
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)

1.1 Audience

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

1.2 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.

1.3 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](#)

1.3.1 Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

1.4 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.

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Rest API Services - Overview

Oracle Banking Trade Finance 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](#)

2.1 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

2.2 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 attachment panel for Rest_Services.pdf and Rest Documentaion.zip.

Glossary

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