Oracle® Banking Treasury Management

Rest API Documentation

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Oracle Banking Treasury Management Rest API Documentation, Release 14.7.5.0.0

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Preface

This topic contains following sub-topics:

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Purpose

Oracle Banking Treasury Management has adopted the industry standard of providing lightweight 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.

Audience

The manual is intended for integrating external systems to Oracle Banking Treasury Management 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.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and

Bulletins. All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by Oracle Software Security Assurance.

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.

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 or the glossary.
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.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

Table 1 Abbreviations and Acronyms

Abbreviations or Acronyms	Definition
DV	Derivatives
ETD	Exchange Trade Derivatives
FX	Foreign Exchange
MM	Money Market
OBTR	Oracle Banking Treasury Management
OT	Over the Counter Options
SE	Securities
SR	Securities Repo

1 Rest API Services - Overview

Oracle Banking Treasury Management 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 are listed below.

- Derivatives
- Exchange Traded Derivatives Portfolio Details
- Foreign Exchange Details
- Islamic Derivatives
- Islamic Money Market Details
- Money Market Details
- OT Options
- Securities Market Details
- Securities Portfolio Details
- Securities Repo Details
- Settlement Instructions

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

Each of the services listed above are 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 to get contract example which takes the contract reference number 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:

1. **UserId** : OBTR login user Id.
2. **Branch** : The bank branch to which the user belongs.
3. **MsgId** : A alpha-numeric input from the consumer.
4. **Source** : Source of the request whether it is OBTR or an external system.
5. **Content-Type** : This mentions the format of the input /output. Since we are using the JSON format we give the content-type as application/json.
6. **Entity** : Entity ID

UserId, password and msgId are for authenticating the user accessing the service.

The list of services are discussed in detail in the following topics.

This topic contains following sub-topic:

- 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.

1. **UserId** - OBTR login user name.
2. **Password** - Encrypted OBTR login password.
3. **MsgId** - This message ID is a unique ID to identify the request.
4. **Branch** - The branch code from where the request is sent.
5. **Source** - The source code of the external system.

1.2 REST Services Changes

Support for REST Services are enhanced to all modules of OBTR through ODT. In ODT the user can opt for selected REST services, ODT shall generate rest artifacts 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

For more information on Oracle Banking Treasury Management REST API Services, Refer to REST API Services Documentation