

Oracle® Banking Microservices Architecture API Security Guide



Release 14.7.3.0.0

F94426-01

February 2024

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

F94426-01

Copyright © 2018, 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.

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>.

Contents

Preface

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

1 Securing API Services

1.1 API Security	1-1
1.2 List of Services	1-1

Index

Preface

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

Purpose

This guide provides security-related usage and configuration recommendations for Oracle Banking Microservices Architecture. It also describes the procedures required to implement or secure certain features, but it is not a general-purpose configuration manual.

Audience

This guide is primarily intended for IT department or administrators deploying Oracle Banking Microservices Architecture and third party or vendor software's. It includes the information related to IT decision makers and users of the application.



Note:

Readers are expected to have basic operating system, network, and system administration skills with an awareness of vendor/third-party software's and knowledge of Oracle Banking Microservices Architecture application.

Scope

Read Sections Completely

Each section should be read and understood completely. Instructions should never be blindly applied. Relevant discussion may occur immediately after instructions for an action, so be sure to read whole sections before beginning implementation.

Understand the Purpose of this Guidance

The purpose of the guidance is to provide security-relevant code and configuration recommendations.

Limitations

This guide is limited in its scope to security-related guideline for developers.

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 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.

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.

Related Resources

For more information on any related features, refer to the following documents:

- Oracle Banking Microservices Architecture Product's Installation Guides
- Oracle Banking Microservices Architecture Product's User Guides

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.
<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.

1

Securing API Services

This topic describes about Securing API Services.

Different applications deployed on disparate platforms and using different infrastructure need to be able to communicate and integrate seamlessly with Oracle Banking Microservices Architecture in order to exchange data. The Oracle Banking Microservices Architecture Service API Gateway cater to these integration needs.

The integration needs to be supported by the Gateway can be broadly categorized from the perspective of the Gateway as follows:

- **Inbound application integration:** It is used when any external system needs to add, modify or query information within Oracle Banking Microservices Architecture.
- **Outbound application integration:** It is used when any external system needs to be accessed for processing transactions within Oracle Banking Microservices Architecture.
- [API Security](#)
This topic describes about the API Security.
- [List of Services](#)
This topic information about the List of API Services.

1.1 API Security

This topic describes about the API Security.

The Oracle Banking Microservices Architecture application provides the API Layer (Service API Layer) which is used by external users to access the Oracle Banking Microservices Architecture functionality.

Access to this API layer is granted through Oracle Cloud Infrastructure Identity and Access Management (IAM).



Note:

Refer the **API to API Authentication** topic in **Getting Started with Oracle Banking Cloud Service** guide for more details on OAuth Token generation.

1.2 List of Services

This topic information about the List of API Services.

Refer to the **REST API Documentation** for the detailed inbound APIs.

Index

A

API Security, [1-1](#)

L

List of Services, [1-1](#)

S

Securing API Services, [1-1](#)