

Oracle® Banking Channels Bank User Base

Functional Overview

Release 2.4.1.0.0

E70795-01

February 2016

Copyright © 2011, 2016, Oracle and/or its affiliates. All rights reserved.

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.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. 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 failsafe, 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 and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

This software or hardware and documentation may provide access to or information on 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. 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.

Contents

| | |
|------------------------------------|-----|
| Preface | v |
| Audience | v |
| Documentation Accessibility | v |
| Related Documents | v |
| Conventions | vi |
| | |
| 1 Overview | |
| | |
| 2 Key Features | |
| 2.1 Non ADF Features | 2-1 |
| 2.1.1 Security | 2-1 |
| 2.1.2 Datatypes | 2-1 |
| 2.1.3 Proxies | 2-1 |
| 2.1.4 Enumerations | 2-1 |
| 2.1.5 Internationalization | 2-1 |
| 2.2 ADF Features | 2-1 |
| 2.2.1 Custom Tags | 2-2 |
| 2.2.2 Declarative Components | 2-2 |
| 2.2.3 Task Flows | 2-2 |
| | |
| Glossary | |

Preface

Oracle Banking is a one-stop solution for a bank for its core banking operations, across retail and business banking operations. It is designed to help banks respond strategically to today's business challenges, while also transforming their business models and processes to reduce operating costs and improve productivity across both front and back offices.

Oracle Banking provides a unified yet scalable IT solution for a bank to manage its data and end-to-end business operations with an enriched user experience. It is a composed set of different modules, wherein each module is serviced by a set of services and other subsystems.

This preface contains the following topics:

- [Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions](#)

Audience

This guide is intended for the users of Oracle Banking Channels Bank User Base.

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 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.

Related Documents

For more information, see the following documentation:

- For installation and configuration information, see the Oracle Banking Installation Guide - Silent Installation

- For a comprehensive overview of security for Oracle Banking, see the Oracle Banking Security Guide
- For the complete list of Oracle Banking licensed products and the Third Party licenses included with the license, see the Oracle Banking Licensing Guide
- For information related to setting up a bank or a branch, and other operational and administrative functions, see the Oracle Banking Administrator's Guide
- For information related to customization and extension of Oracle Banking, see the Oracle Banking Extensibility Guide

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. |
| monospace | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

Overview

Oracle Banking Channels Bank User Base provides the infrastructure to help in operating a front-end application on Oracle Banking.

Some of the features support Application Development Framework (ADF) application and others can be used in non-ADF application. The ADF artifacts will allow third-parties to build a custom UI using the ADF UI frameworks and ADF UI components developed for Oracle Banking applications.

The Non ADF features will help a third-party to integrate an alternative UI technology with Oracle Banking functionality.



Key Features

This chapter describes the key features of Oracle Banking Channels Bank User Base.

2.1 Non ADF Features

This section describes the non ADF features of Oracle Banking Channels Bank User Base.

2.1.1 Security

The security framework is built into the business services that the UI will call to access data. Each service has a service response element that details any data elements within the response that are subject to role-based access. For example, masking credit card numbers.

2.1.2 Datatypes

Several classes have been created to help the UI support the data formats used by Oracle Banking including, Date format, Currency converters, Big Decimal and Validators.

2.1.3 Proxies

Java client proxies are available for all the services exposed by the core banking platform. This allows an application developer to consume the banking services from a Java or a JVM supported language in a strongly typed manner leveraging auto-completion features of the IDE in the relevant language. The proxies provide a level of abstraction from the underlying network and message protocols.

2.1.4 Enumerations

Java classes allow for collections of specific object types to be worked with more easily.

2.1.5 Internationalization

A set of Java classes provide for error codes and message numbers to be converted into the identified locale.

2.2 ADF Features

This section describes the ADF features of Oracle Banking Channels Bank User Base.

2.2.1 Custom Tags

A set of custom ADF tags have been created for the Oracle Banking UI. However, in the future this will be removed. These include:

- Converter Types
- Expected Types
- Validate Amount
- Validate Date
- Validate Input
- Validate Number

2.2.2 Declarative Components

Reusable ADF components, which have been customized to the UI client side requirements of the Oracle Banking applications, allow us to ensure consistent behavior of the UI across the application. A sample list of these components is as follows:

- Branch Code
- Mobile Phone Number
- Customer Signature
- Account Name
- Alias
- Credit Card
- Currency
- Full Address
- IBAN
- National ID
- Zip Code

2.2.3 Task Flows

A set of Custom ADF task flows have been created to support the Oracle Banking application. The task flows are also used to integrate with the security framework to provide two factor authentication facilities to the application. The task flows that have been customized include:

- Address
- Demand Deposit Account (DDA)
- Loan
- Origination
- Party Task Flow
- Fee Task Flow
- Settlement Task Flow
- Denomination Task Flow

- DMS Task Flow (inbound and outbound)
- Broker Task Flow

Glossary

ADF – Application Development Framework

Oracle’s infrastructure for building applications including user interfaces.

DTO – Data Transfer Object

Data transfer object used to transport data from a client to a server.

DDA – Demand Deposit Account

Demand Deposit Account

IBAN – International Bank Account Number

A number used to identify a bank account across countries.

UI – User Interface

The screens that an end user interacts with.

UDF – User Defined Fields

User defined fields that can be associated with an existing business object.

JSON – JavaScript Object Notation

JavaScript Object Notation

