Oracle® Banking Cash Management
Integration Guide

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Purpose

This guide helps you to get acquainted with the information on inter-connecting Oracle® Banking Cash Management to Core Banking, Payments, and Virtual Account Management systems.

Audience

This guide is primarily intended for the following user/user roles:

Table 1   Audience

Role	Function
Back Office Data Entry Clerk	To input functions for maintenance related to the interface
Implementation teams	For setting up integration

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.

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 ensure 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.

Related Resources

The related documents are as follows:

- *Routing Hub Configuration User Guide*
- *REST API for Oracle Banking Cash Management*
- *Async Application Program Interface 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.
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.

Acronyms and Abbreviations

The list of acronyms and abbreviations that are used in this guide are as follows:

Table 2   Acronyms and Abbreviations

Abbreviation	Description
API	Application Programming Interface
Core DDA	Oracle Banking Digital Experience
ECA	External Credit Approval

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Overview

This topic provides the overview on inter-connecting Oracle® Banking Cash Management to other systems.

Oracle® Banking Cash Management supports the integration with Core Banking, Payment and Receivables, and Virtual Account Management systems for the various use cases. It also provides interfaces for self-service portals.

Oracle FLEXCUBE Universal Banking

This is an outbound integration from Cash Management to Oracle FLEXCUBE Universal Banking system.

Outbound Interface

Oracle® Banking Cash Management supports the following outbound interfaces:

Integration Touch Point	Description
Create ECA Block	To create an ECA block in transaction as part of accounting entries.
Cancel ECA Block	To cancel the ECA block in case the authorizer rejects the transaction or transaction is rolled back before handoff of accounting entries.
Post Accounting Entries	To post accounting entries to Oracle FLEXCUBE Universal Banking after the transaction is authorized or reverse the accounting entries in case the transaction is rolled back after posting of accounting entries.

Oracle Banking Accounts

This is an outbound integration from Cash Management to Oracle Banking Accounts system.

Outbound Interface

Oracle® Banking Cash Management supports the following outbound interfaces:

Integration Touch Point	Description
Create OBA ECA Block	To create an ECA block in transaction as part of accounting entries.
Cancel OBA ECA Block	To cancel the ECA block in case the authorizer rejects the transaction or transaction is rolled back before handoff of accounting entries.
Create OBA Transaction Accounting	To post accounting entries to Oracle Banking Accounts after the transaction is authorized or reverse the accounting entries in case the transaction is rolled back after posting of accounting entries.

Payments and Receivables

This is an inbound integration with Payments and Receivables system.

Inbound Interface

The interface exposed by Cash Management that Payments and Receivables system can consume are:

Integration Touch Point	Description
Incoming payment flow - Create Transaction Details	To create transaction details for incoming payments sent for clearing.

Virtual Account Management

This is an inbound/outbound interface with Virtual Account Management system.

Inbound Interface

The interface exposed by Cash Management system:

Integration Touch Point	Description
Get Account Details	To fetch the Virtual Account Number of a Corporate and display in LOV for user selection so that the user can search Invoices/Payments for reconciliation having the selected virtual account number.
Get Corporate Details	To fetch the corporate details for the given Virtual Account Number.
Get Virtual Account Transaction Code	To check the virtual account transaction code based on real customer during allocation.

Outbound Interface

The outbound interfaces supported by Cash Management system are:

Integration Touch Point	Description
Post Allocation	To post the allocation details to Virtual Account Management with Skip DDA.

Self-Service Portal

This is an inbound integration to Cash Management system from Self-Service portal.

Inbound Interface

The interfaces available for the Self-Service portal are:

- Cash Flow Forecasting
- Expected Cash Flow
- Create Cash Deposit
- View Cash Deposit
- Create Cheque Deposit
- View Cheque Deposit
- Create Cash Withdrawal
- View Cash Withdrawal
- View Pickup/Delivery Point
- Create Receivables and Payables

- View Receivables and Payables
- Manage Receivables and Payables
- Purchase Order Management
- Credit Notes
- Payments Management
- Reconciliation

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Inbound APIs

This topic provides the information on the set of inbound APIs provided by Oracle® Banking Cash Management.

Refer to the **REST API Documentation** for the inbound API details.

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Events

This topic provides the information on the list of events in Oracle® Banking Cash Management.

Refer to the **Async Application Program Interface Guide** for the event details.

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Outbound API calls through Oracle Banking Routing Hub

This topic provides the information on the outbound API calls to Oracle® Banking Cash Management.

Oracle® Banking Cash Management supports the outbound API calls from the below-listed products through Oracle Banking Routing Hub.

* Oracle FLEXCUBE Universal Banking
* Oracle Banking Accounts
* Oracle Banking Virtual Account Management
* Oracle Banking Payments

Introduction

Oracle Banking Routing Hub enables seamless and standardized integrations between FSGBU Banking Products using configurations provided as part of the product Infrastructure.

Figure 4-1   Oracle Banking Routing Hub Integration
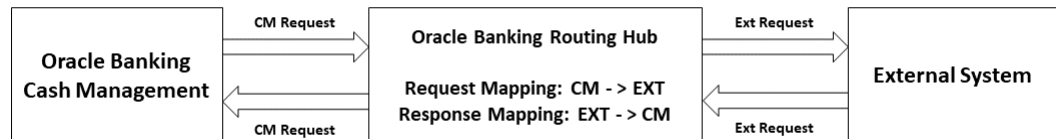
For more details on configuration, refer to **Routing Hub Configuration User Guide**.

Integration Service

Oracle FLEXCUBE Universal Banking Integration
Oracle FLEXCUBE Universal Banking requires the following services for Oracle® Banking Cash Management integration. Make sure that the following services are available before the implementation:

Table 4-1   Oracle FLEXCUBE Universal Banking - Integration Services

S No	Integration Touch Point	Description	Mandatory Request Parameters	Mandatory Response Parameters
1	Create ECA Block	Used to create an ECA block in transaction as part of accounting entries	Customer Account No Branch Amount Currency Source System Operation	Ref No Error Code Error Description
2	Cancel ECA Block	Used to cancel the ECA block in case the authorizer rejects the transaction or transaction is rolled back before handoff of accounting entries	Customer Account No Branch Amount Currency Source System Operation	Ref No Error Code Error Description
3	Post Accounting Entries	Used to post accounting entries to Oracle FLEXCUBE Universal Banking after the transaction is authorized or reverse the accounting entries in case transaction is rolled back after posting of accounting entries	Module Dr/Cr Indicator Event Account Branch Account No Account Currency Amount LCY Amount ECABlock Ref No BlockReleaseStatus	Ref No Error Code Error Description

Oracle Banking Accounts Integration

Oracle Banking Accounts requires the following services for Oracle® Banking Cash Management integration. Make sure that the following services are available before the implementation:

Table 4-2   Oracle Banking Accounts - Integration Services

S No	Integration Touch Point	Description	Mandatory Request Parameters	Mandatory Response Parameters
1	Create OBA ECA Block	Used to create an ECA block in transaction as part of accounting entries	Transaction Reference No Branch Source Account No Account Branch Account Currency Block Type Block Expiry Date Partial Release Allowed Requested Block Amount Block Reference No	txnInitDate txnStatus txnRefNo ecaRefNo requestTrackId accountNo ecaRefNo blockRefNo blockStatus approvedBlkAmt outStandingBlkAmt requestedBlkAmt status
2	Cancel OBA ECA Block	Used to cancel/close the ECA block in case the authorizer rejects the transaction or transaction is rolled back before handoff of accounting entries	ecaRefNo	txnStatus
3	Create OBA Transaction Accounting	Used to post accounting entries to Oracle Banking Accounts after the transaction is authorized or reverse the accounting entries in case the transaction is rolled back after posting of accounting entries	txnRefNo txnBranch event eventSrNo txnInitDate source accountingRequest Details	txnStatus txnRefNo eaRefNo transactionAccount ingDetails

Payments Integration

Oracle Banking Payments requires the following services for Oracle® Banking Cash Management integration. Make sure that the following services are available before the implementation:

Table 4-3   Oracle Banking Payments - Integration Services

S No	Integration Touch Point	Description	Mandatory Request Parameters	Mandatory Response Parameters
1	Incoming payment flow - Create Transaction Details	Used to create the transaction detail for incoming payments sent for clearing	userId hostCode instrumentAmount instrumentIssueDate SourceCode CrAcNo InstrumentNo networkCode sourceRefNo drawerAcNo drawerRoutingNo	Txnrefno sourceCode sourceRefno Error Description userRefNo MSGSTATUS TXNID respCode respDesc

Oracle Banking Virtual Account Management Integration

Oracle Banking Virtual Account Management requires the following services for Oracle® Banking Cash Management integration. Make sure that the following services are available before the implementation:

Table 4-4   Oracle Banking Virtual Account Management - Integration Services

S No	Integration Touch Point	Description	Mandatory Request Parameters	Mandatory Response Parameters
1	VirtualAccDetails	Used to fetch Virtual Account Numbers of a Corporate and display in LOV for user selection so that the user can search Invoices/Payments for reconciliation having the selected virtual account number	CorporateId SourceSystem	CorporateId Multiple Virtual Account Numbers Real Account Account Currency
2	CorporateDetails	Used to fetch corporate details for the given Virtual Account Number	virtualAccountNo SourceSystem	CorporateId Multiple Virtual Account Numbers Real Account Account Currency
3	VirtualAccPost	Used to get the virtual account transaction code	realCustomerNumber	Transactioncode

Table 4-4   (Cont.) Oracle Banking Virtual Account Management - Integration Services

S No	Integration Touch Point	Description	Mandatory Request Parameters	Mandatory Response Parameters
4	PostAllocation	Used to post the allocation details to Virtual Account Management with Skip DDA	sourceCode txnAccountBrn txnAccount txnAccountCcy txnCcy txnCode skipDDAEntries drCrInd txnAmount	-

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