Oracle FLEXCUBE Direct Banking

Transaction Release Workflow
Release 12.0.3.0.0

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Transaction Release Workflow
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1. Preface

1.1.   Intended Audience

This Licensing Guide is intended for the following audience:

- Application Architects
- End to End Designers
- Business Service Detailed Designers and Developers
- Implementation Partners

1.2.   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.

1.3.   Access to OFSS Support

https://support.us.oracle.com

1.4.   Structure

This document, termed "Oracle FLEXCUBE Direct Banking Transaction Release Workflow", is a single reference for the understanding the transaction release workflow introduced as part of FCDB Authorization Framework.

This document is intended to provide a technical overview of the transaction release functionality.

1.5.   Related Information Sources

For more information on Oracle FLEXCUBE Direct Banking Alerts 12.0.3.0.0, refer to the following documents:

- Oracle FLEXCUBE Direct Banking System Handbook Volume IV

2. Introduction

Earlier system was directly submitting the transaction to host after it is authorized in FLEXCUBE Direct Banking. However there can be a requirement for certain transactions to be processed manually in FLEXCUBE Direct Banking before sending them to host.

There can also be a requirement to pass the transaction through a series of statuses after authorization.

In order to achieve this, generic workflow has been developed in FCDB. The detailed functioning of the workflow along with necessary configurations is explained in subsequent sections.

Below are some features of this workflow:

- Aim of this workflow is to provide a generic framework in which the transaction will move from one status to another based on certain action by the FCDB user. This workflow will come into picture only after the transaction is fully authorized in FCDB.
- FCDB will not attach any special meaning to any of the 'Statuses' configured in the workflow, but will treat them only as a state in which the transaction resides during its lifecycle.
- Transactions configured for 'Release' will go in 'Pending for Processing' state after they are fully authorized in FCDB.
- A separate transaction will be available, from where the 'Releaser' can manually release the transaction.
- The 'Releaser' must have the corresponding transaction (to be released) mapped to his/her role along with authorization access.
- The system supports cross user type release functionality. Transactions initiated and authorized by a corporate user can be released by a bank administrator user. This is configurable for each type of transaction.
- Based on the status flow configured for the transaction, it will accordingly move to the next status. The configurations are given in below sections.
- Service call can be configured for any of the status
- The status transaction flow can be extended to any level and status call can be configured at any status
- A definite end state has been introduced for the service requests in the transaction release work flow.

3. Technical Architecture – Release workflow

The workflow is implemented using below components:

- A new authorization module (TransactionReleaseInitAuthModule) that handles the flow of transaction through various statuses based on the configuration.
- A new transaction provided to both Admin and Business user for processing the transaction.

The authorization module and required configurations are explained in subsequent section.

3.1. Transaction Release Authorization Module

- A new module "TransactionReleaseInitAuthModule" has been introduced as for processing the release requirement.
- This module has been configured as a default module. So all transactions will flow through this module.
- This module checks if the current transaction requires release. If so, then it moves the transaction to "Pending for Processing" status

3.2. Configurations

Any transaction must satisfy below conditions for it to be available for Release Workflow

- Authorization must be enabled (MSTCHANNELATS table – authrequired='Y') and appropriate authorization engine must be configured for the transaction for given user type
- MSTTXN table- adtnl_params - RELEASEREQUIRED=A/B/Y
  - A – Transaction will be available for Admin user for release
  - B – Transaction will be available for Business user for release
  - Y – Transaction will be available for both Admin and Business user for release
- The transaction should be mapped to the 'Releaser' in his/her role along with authorization access.
- If a new action is to be introduced, it can be configured in table MSTACTIONCONFIG
- If a new status is to be introduced, it can be configured in table MSTSTATUSCONFIG
- Service call can be configured in the table MSTSTATUSCONFIG (ISSERVICECALLREQ='Y')
- Necessary button map has to be configured in appldata so that system displays the required action buttons.

4. Service Requests Management

All the 'Service Requests' go through the release module post authorization. Release is configurable for individual service requests.

- A new authorization module (`ServiceRequestModule`) has been introduced for service requests. This module forces a finite end state to the service requests once their workflow is complete.
- "ServiceRequestModule" is a default module. The finite end state introduced for the service requests is "Closed".
- A new type statistic 'S' has been introduced for the service requests.
- A new property '<id entity>.<type user>. REQUEST_STATUS_VALID_DAYS' has also been introduced which specifies the number of days till which the closed and rejected service requests will be available to the user on the dashboard widget.

Below is the list of Service Requests available as of now:

SERVICE REQUESTS	RELEASE CONFIGURED	RELEASER
Account Closure	Yes	A
Apply for Credit Card	Yes	A
Activate Debit Card	Yes	A
Addition / Change of Mobile / Email	No	Not Applicable
Apply for ATM / Debit Card	Yes	A
Autopay Register	Yes	A
Account Statement Request	No	Not Applicable
Change Billing Cycle	Yes	A
Change Address	No	Not Applicable
Activate Credit Card	Yes	A
Deactivation of Credit Card	Yes	A

Change Credit Limit	Yes	A
Credit Card Replacement	Yes	A
Credit Card Hot Listing	Yes	A
Cash Withdrawal PIN Change	Yes	A
Deregister Auto Payment	Yes	A
Deregister Credit Card	Yes	A
Stop Payment of Drafts	Yes	A
Debit Card Hot Listing	Yes	A
Inquire Interest Rates	No	Not Applicable
Loan Account Statement Request	No	Not Applicable
SERVICE REQUESTS	**RELEASE CONFIGURED**	**RELEASER**
Link ATM / Debit Card Request	Yes	A
New Account Opening Request	No	Not Applicable
Old New Account Summary	No	Not Applicable
Credit Card ATM PIN Change	Yes	A
Personal Loan Application	Yes	A
Reset ATM Debit Card PIN	Yes	A
Register Credit Card	Yes	A
Reissue Transaction Password	Yes	A
Supplementary Card Request	Yes	A
Customer Statement Request	No	Not Applicable
Stop Payment on Wired Transfer	Yes	A

NOTE :- There are three possible values for a 'Releaser' –A,B,Y. A stands for Bank Admin User.

B stands for Business User and Y stands for both (Bank Admin and Business User.)