

Oracle® Banking Corporate Lending

Purge Entity Definition



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Preface

This topic contains the following sub-topics:

- [Purpose](#)
- [Acronyms and Abbreviations](#)
- [Audience](#)
- [Critical Patches](#)
- [Conventions](#)
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Related Resources](#)
- [Screenshot Disclaimer](#)

Purpose

This manual is designed to help acquaint you with the method to configure purge entities and to apply purge filters and discusses the process of purge generation in Oracle FLEXCUBE Universal Banking Development Workbench.

Acronyms and Abbreviations

Table 1 Acronyms and Abbreviations

Acronyms	Abbreviations
FCUBS	Oracle FLEXCUBE Universal Banking Solution
OBCL	Oracle Banking Corporate Lending
ODT	Oracle Development Tool

Audience

This document is intended for Oracle FLEXCUBE Universal Banking Application developers/ users that use Development Workbench to develop various Oracle FLEXCUBE Universal Banking components. To use this manual, the user needs a conceptual and working knowledge of the below:

Table 2 Proficiency Details

Proficiency	Resources
Oracle FLEXCUBE Universal Banking Technical Architecture	Training programs from Oracle Financial Software Services.
Working knowledge of Web based applications	Self Acquired
Working knowledge of Oracle Database	Oracle Documentations

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](#).

Conventions

The following text conventions are used in this document:

Table 3 Conventions

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.

Documentation Accessibility

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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:

- Development Workbench - Getting Started
- Development Workbench - Screen Development

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.

1

Overview of Purge Entity

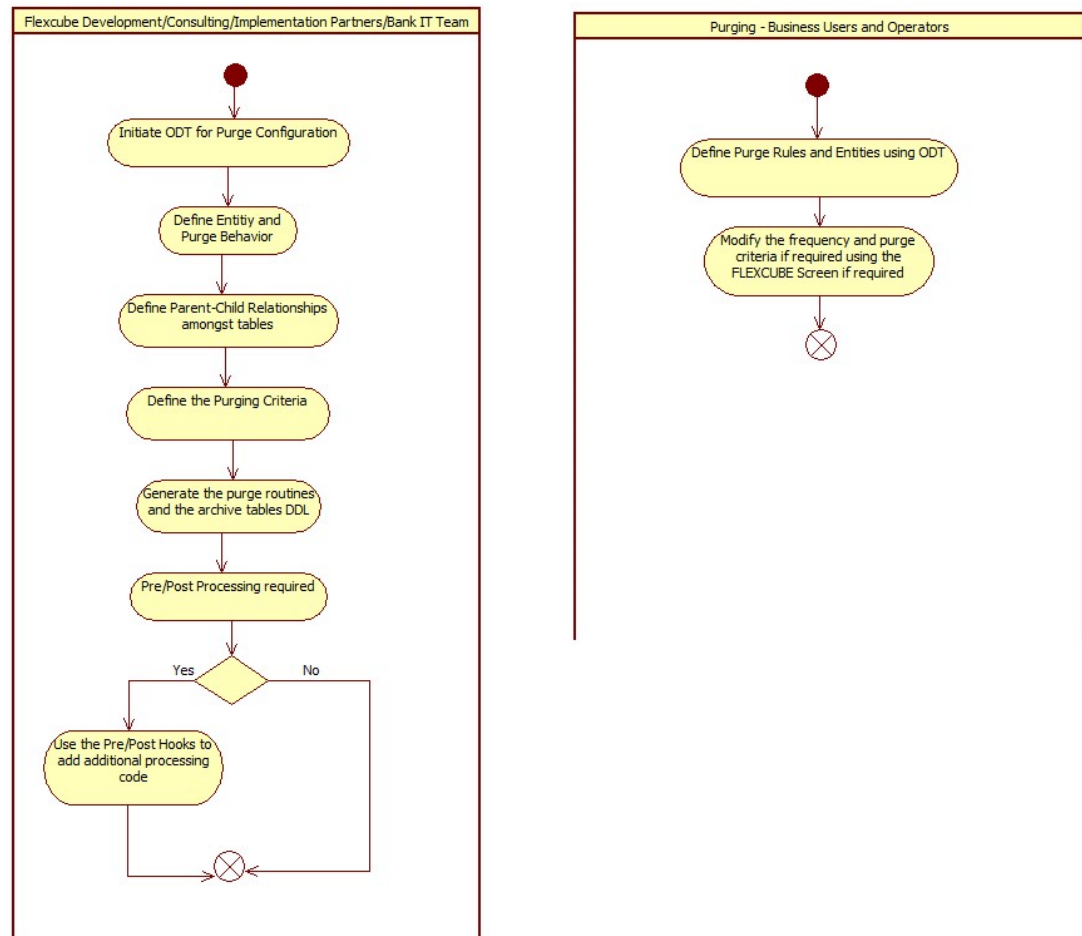
This topic provides an overview of Purge Entity.

A new Purge Framework is introduced in Oracle FLEXCUBE Universal Banking, where users can configure the data to be purged. This framework consists of two parts:

- Purge Parameter Configuration
- Purge Execution

The following diagram captures the framework of Purge Parameter Configuration.

Figure 1-1 Purge Parameter Configuration Framework



Workbench will be used to define the list of entities to be purged. Persistence of Purge Entity Configured is achieved through the RADXML saved by the tool.

This topic contains the following sub-topic:

- [Purge Parameters Configuration](#)

This topic provides detailed information on Purge Parameters Configuration.

1.1 Purge Parameters Configuration

This topic provides detailed information on Purge Parameters Configuration.

The Open Development Tool utility for generating the Purge routines is to be used for the initial purge parameter configuration. The tool generates the packages that will have the purge logic based on the criteria. The tool will be used for the following:

1. Maintaining the list of entities that need to be purged. This includes maintaining the Master-Child relationship between the tables. Each entity will have the following:
 - Parent table
 - Primary key for the parent table and the data types of the key fields.
 - List of child tables.
 - Relation with the parent tables and the data types of the key fields.
2. Maintaining the purge behavior – whether the data must be deleted or archived.
3. Maintaining the mode of purge – whether it is bulk or record level.
4. Maintaining the archive table suffix if the purge behavior is to archive the data.
5. Maintaining the filter criteria to determine what data to purge. These filter criteria are applied on the parent table to identify the data to purge, and based on the setup, corresponding data will also be purged from the child tables.

2

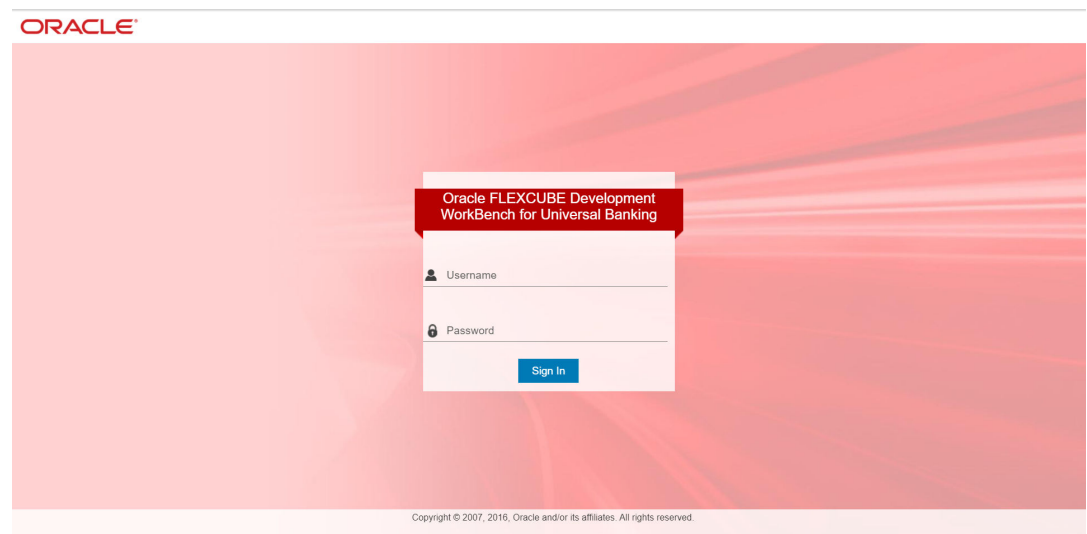
Purge Entity Definition

This topic explains the systematic instructions about Purge Entity Definition.

1. Specify the URL <http://whf00iqw:8080/FCJRADTool142GA/>.

The **Oracle FLEXCUBE Universal Banking Development Workbench** login page is displayed.

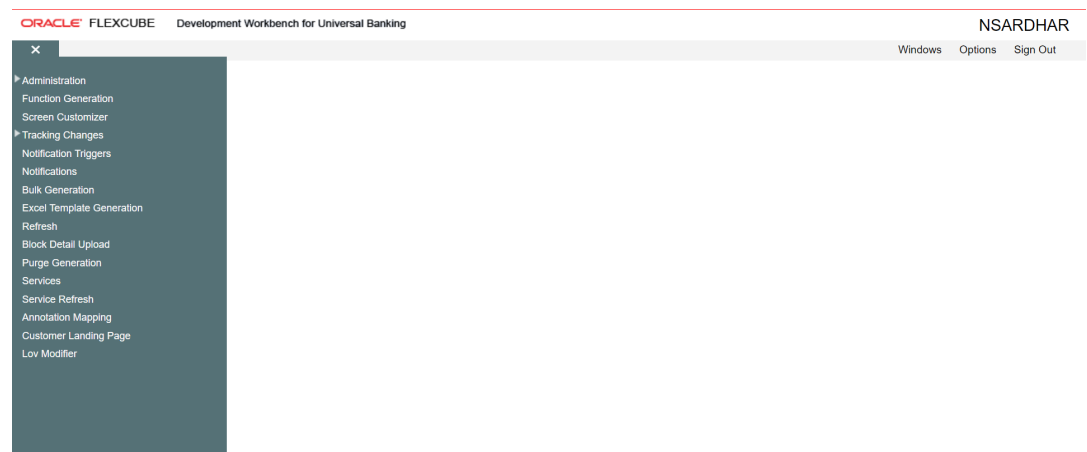
Figure 2-1 Login



2. On the **Oracle FLEXCUBE Universal Banking Development Workbench** login page, specify the **Username**, **Password**, and click **Sign In**.

The **Development Workbench_Home Page** is displayed.

Figure 2-2 Development Workbench_Home Page



3. On the **Development Workbench_Home Page**, click **Purge Generation**.
The **Purge Generation** screen is displayed.

Figure 2-3 Purge Generation

4. On the **Purge Generation** screen, specify the fields.
For more information on fields, refer to the field description table.

Table 2-1 Purge Generation

Field	Description
Action	Select the Action from the drop-down list. • None • New • Load
Entity Name	Specify the name of the entity.
Entity ID	Open Development Tool defaults the entity ID. Entity ID name is derived as <Module_Name>P<Entityname>. For example, FTPCONTRACT
Save XML Path	Specify the location of the RAD XML file.
Module Name	Specify the Module Name to which the entity belongs or click the search icon to view the Module Code pop-up window. By default, this window lists the Module Codes present in the system. You can search for a specific Module Code by providing Module Code or Module Description and clicking on the Search button.
Entity Type	Specify the Entity Type from the drop-down list. • Normal • Common

5. On the **Purge Generation** screen menu, you can find the following screen options:
 - [Purge Master](#)
This topic explains the systematic instructions about Purge Master.
 - [Purge Tables](#)
This topic explains systematic instructions about purge tables.
 - [Purge Filters](#)
This topic explains systematic instructions about the purge filters.

2.1 Purge Master

This topic explains the systematic instructions about Purge Master.

1. On the **Purge Generation** screen menu, click on **Purge Master**.
Purge Master - Preferences screen is displayed.

Figure 2-4 Purge Master - Preferences

2. On the **Preferences** screen, specify the fields
For more information on fields, refer to the field description table.

Table 2-2 Preferences

Field	Description
Entity Description	Specify a brief description of the entity that is are defining.
Purge Type	Select the purge type in the drop-down list: • Delete - The Data will be deleted from the main tables. • Archive - The data will be saved in the archive tables and deleted from the main tables.
Purge Mode	Select the mode of purge from the drop-down list: • Entity - Purge happens based on the entity or record. • Bulk - Purge happens in bulk for many records.
Purge Frequency	Select the frequency at which the purge should happen from the following options: • Ad-hoc • Daily • Weekly • Monthly • Quarterly • Yearly

Table 2-2 (Cont.) Preferences

Field	Description
Archive Table Suffix	Specify the text that should suffix the main table name during the archive purge operation. If the purge type is Archive , you must specify this. For example, if the name of the main table is MAIN_TABLE and you have specified the archive table suffix as HIST , then after the purge, the name of the archive table will be MAIN_TABLE_HIST .
Archival Destination	Select the archival destination from the following options: • Same Schema • Different Schema in same instance • Different Database

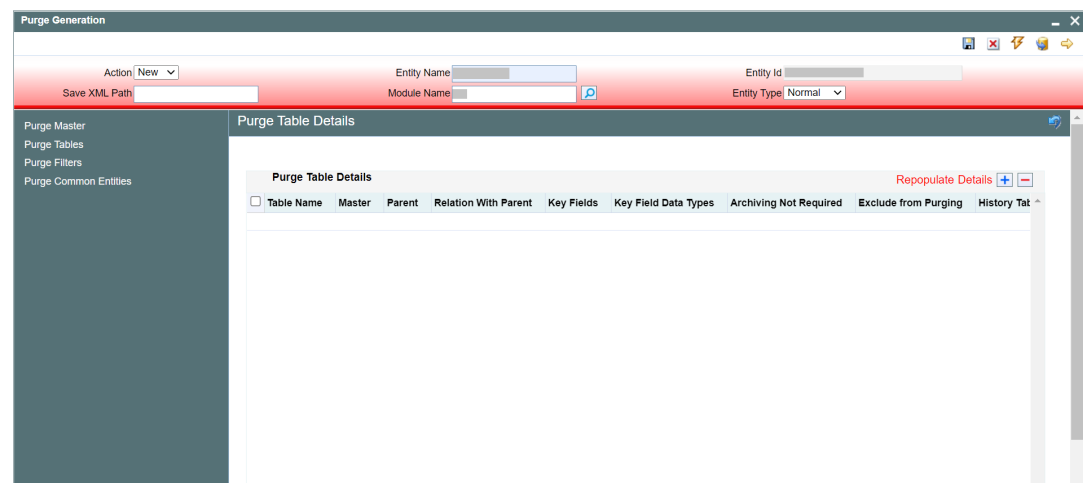
2.2 Purge Tables

This topic explains systematic instructions about purge tables.

1. On the **Purge Generation** screen menu, click on **Purge Tables**.

The **Purge Table Details** screen displays.

Figure 2-5 Purge Table Details



2. On the **Purge table Details** screen, specify the fields
For more information on fields, refer to the field description table.

Table 2-3 Purge table Details

Field	Description
Table Name	Specify the name of the table.
Master	Check this box to indicate that the selected table is the master table.
Parent	If the selected table is not the parent table, you need to specify the master table name here.
Relation With Parent	Specify the relation of the selected table with the parent table.

Table 2-3 (Cont.) Purge table Details

Field	Description
Key Fields	Specify the key field name. You can populate the key fields by clicking the P button adjoining the table name.
Key Fields Data Types	Specify the key field data type. You can populate the key field name and data type by clicking the P button adjoining the table name.
Archiving Not Required	You can exclude specific tables from archiving in purge mode Archive. Check this box against the tables that you need to exclude from archiving.
Exclude from Purging	You can exclude selected tables from purging. Check this box against the tables that you need to exclude from purging.
History Table Name	Specify the history table name.

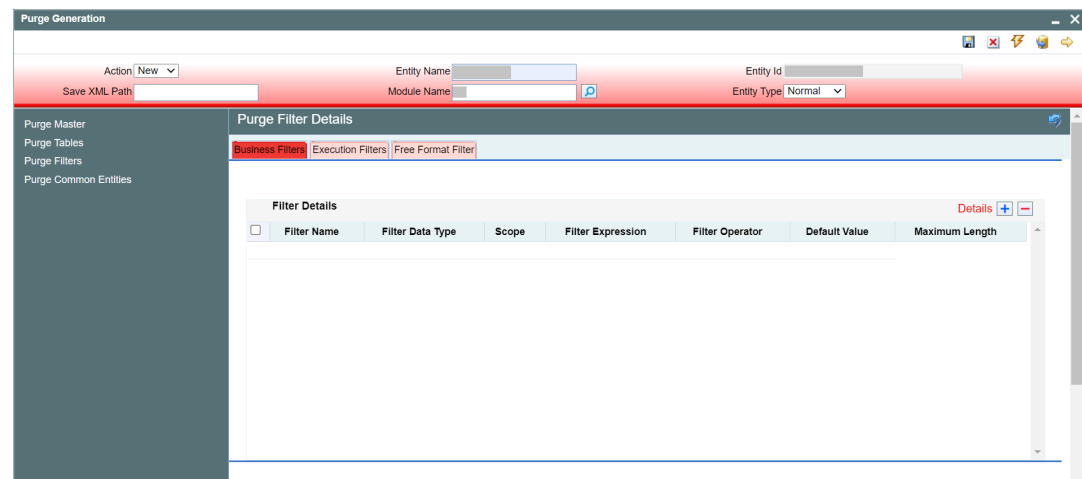
2.3 Purge Filters

This topic explains systematic instructions about the purge filters.

1. On the **Purge Generation** screen, click **Purge Filters**.

The **Purge Filter Details** screen displays.

Figure 2-6 Purge Filter Details



2. On the **Purge Filter Details** screen, you can find three filters on left navigation panel:
 - [Business Filters](#)
Business Filter is governed by the business needs or the regulatory environment.
 - [Execution Filters](#)
This operational filter provides an additional predicate while doing an ad-hoc purge for an entity. During an ad-hoc purge, you can use the execution filter to get flexibility in purging selective data for an entity.
 - [Free Format Filter](#)
The Free Form Filters contain predefined filter conditions. You cannot modify these.

2.3.1 Business Filters

Business Filter is governed by the business needs or the regulatory environment.

To define a business filter refer to the steps:

1. On the **Purge Filter Details** screen, click on **Business Filters** tab.

The **Business Filters** tab displays.

Figure 2-7 Business Filters

The screenshot shows the 'Purge Generation' application window. The 'Purge Filter Details' tab is active, and the 'Business Filters' sub-tab is selected. The 'Filter Details' table is empty, showing the following columns: Filter Name, Filter Data Type, Scope, Filter Expression, Filter Operator, Default Value, and Maximum Length. The 'Details' button is located in the top right corner of the table area.

2. On the **Business Filters** tab, specify the fields.

For more information on fields, refer to the field description table.

Table 2-4 Business Filters - Field Description

Field	Description
Filter Name	Specify a filter name. The filter name should be unique across business and execution filters for an entity.
Filter Data Type	Select the filter data type from the drop-down list: • Date • String • Number
Scope	Specify the scope, whether entity or table. If the scope is a table, then the filter is applied over the filter expression table and its child tables. If the scope is entity, the filter is applied over the entire entity. Hence, if the expression returns false, entire entity is skipped.
Filter Expression	Specify the filter expression. You can use the Builder button to build a filter expression using the builder screen.
Filter Operator	Specify the filter operator. You can select the appropriate one from the drop-down list.
Default Value	Specify the value that satisfies the expression. If the operator expects more than one value, each value can be separated by a tilde. This is an optional field.
Maximum Length	Specify the maximum length of the filter value.

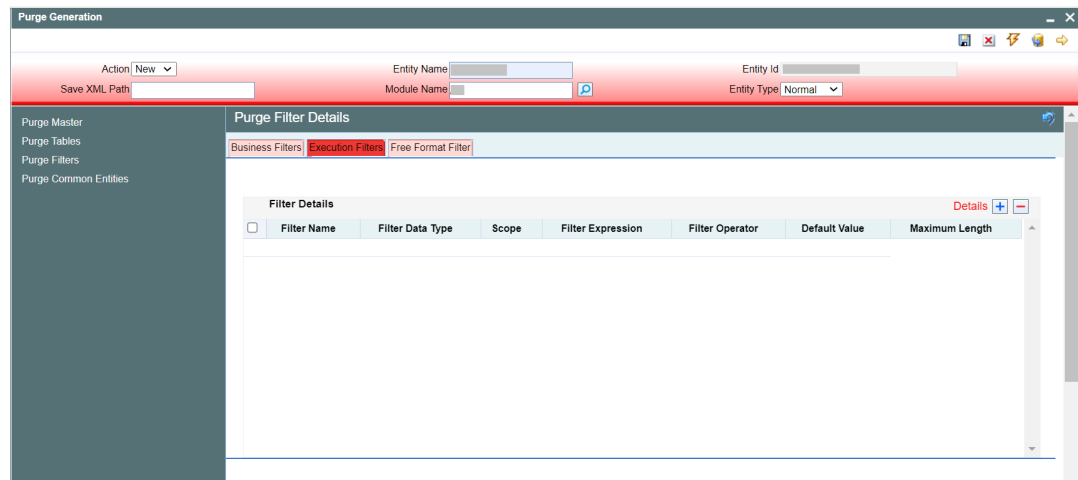
2.3.2 Execution Filters

This operational filter provides an additional predicate while doing an ad-hoc purge for an entity. During an ad-hoc purge, you can use the execution filter to get flexibility in purging selective data for an entity.

To define an execution filter refer to the steps:

1. On the **Purge Filter Details** screen, click on **Execution Filters** tab.
Execution Filters screen is displayed.

Figure 2-8 Execution Filters



2. On the **Execution Filters** tab, specify the fields.
For more information on fields, refer to [Business Filters](#) field description table.

2.3.3 Free Format Filter

The Free Form Filters contain predefined filter conditions. You cannot modify these.

1. On the **Purge Filter Details** screen, click on **Free Format Filter** tab.
Free Format Filter screen is displayed.

Figure 2-9 Free Format Filter

The screenshot displays the 'Purge Generation' application window. The top bar includes an 'Action' dropdown set to 'New', and input fields for 'Entity Name', 'Entity Id', 'Module Name', and 'Entity Type' (set to 'Normal'). Below this is a 'Save XML Path' field. The left sidebar contains a tree view with 'Purge Master', 'Purge Tables', 'Purge Filters', and 'Purge Common Entities'. The main area is titled 'Purge Filter Details' and has three tabs: 'Business Filters', 'Execution Filters', and 'Free Format Filter' (which is selected and highlighted in red). Inside the 'Free Format Filter' tab, there is a large text area labeled 'Free Format Filter' with a blue border, currently empty.

2. Final Filter expression is derived by concatenating each filters by **AND** operator.

GLOBAL.APPLICATION_DATE- CSTB_CONTRACT.BOOK_DATE > 120

- Filter Name: RETENTION
- RHS Expression: GLOBAL.APPLICATION_DATE- CSTB_CONTRACT.BOOK_DATE
- Operator: Greater Than
- Default Value: 120
- Filter Data Type: NUMBER
- Maximum Length: 5