

Oracle® Banking Treasury Management

Purge Entity Definition



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Contents

1	Preface	
1.1	Audience	1
1.2	Documentation Accessibility	1
1.3	Critical Patches	2
1.4	Diversity and Inclusion	2
1.5	Basic Actions	2
1.6	Related Documents	3
1.7	Conventions	3
1.8	Screenshot Disclaimer	3
1.9	Acronyms and Abbreviations	3
1.10	Symbols and Icons	4
1.11	Prerequisite	5
2	Introduction	
3	Overview of Purge Entity	
4	Purge Parameters Configuration	
5	Purge Entity Definition	
6	Purge Master	
7	Purge Tables	
8	Purge Filters	

9 Business Filter

10 Execution Filter

11 Free Format Filter

1

Preface

This document describes the steps to develop the notification XML and notification trigger using Oracle FLEXCUBE Development Workbench.

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

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

- [Symbols and Icons](#)
The lists of symbols, buttons and shortcut key that are used in the application to perform various tasks are covered in this topic.
- [Prerequisite](#)

1.1 Audience

This guide is intended for the following User/User Roles:

Table 1-1 Audience

Role	Function
Back office data entry clerk	Input functions for funds
Back office managers/officers	Authorization functions
Product Managers	Product definition and authorization
End of day operators	Processing during end of day / beginning of day

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>.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

1.3 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](#).

1.4 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.

1.5 Basic Actions

Table 1-2 Basic Actions

Action	Description
Approve	Used to approve the initiated report. This button is displayed, once the user click Authorize .
Audit	Used to view the maker details, checker details, and report status.
Authorize	Used to authorize the report created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a report, created by a maker.
Close	Used to close a record. This action is available only when a record is created.
Confirm	Used to confirm the performed action.
Cancel	Used to cancel the performed action.
Compare	Used to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click Authorize .
Collapse All	Used to hide the details in the sections. This button is displayed, once the user click Compare .
Expand All	Used to expand and view all the details in the sections. This button is displayed, once the user click Compare .
New	Used to add a new record. When the user click New , the system displays a new record enabling to specify the required data.
OK	Used to confirm the details in the screen.
Save	Used to save the details entered or selected in the screen.
View	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click Authorize .

Table 1-2 (Cont.) Basic Actions

Action	Description
View Difference only	Used to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click Compare .
Unlock	Used to update the details of an existing record. System displays an existing record in editable mode.

1.6 Related Documents

For more information refer to the Oracle Banking manuals on:

- Development of Launch Forms and Others Screens
- Enterprise Collaterals User Guide
- Enterprise Limits and Collaterals Common User Guide

1.7 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.

1.8 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.

1.9 Acronyms and Abbreviations

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

Table 1-3 Acronyms and Abbreviations

Acronyms	Abbreviations
CIF	Customer Information File
CASA	Current Account and Savings Account
DDA	System that holds the CASA account and balances
ELCM	Enterprise Limits and Collateral Management
ECA	External Credit Approval

Table 1-3 (Cont.) Acronyms and Abbreviations

Acronyms	Abbreviations
FCUBS	Oracle FLEXCUBE Universal Banking Solution
GW	Gateway
HTTP	Hyper Text Transfer Protocol
ID	Identification Number
Mark EOTI	Mark End of Transaction Input
Mark TI	Mark Transaction Input
OFSA	Oracle Financial Services Analytical Applications
ORMD	Oracle Revenue and Billing Management
PK	Primary Key
RDBMS	Relational Data Base Management System
SMS	Security Services
UI	User Interface
VD	Value Date
XML	Extensible Mark-up Language
XSD	XML Schema Definition
XSLT	Extensible Stylesheet Language Transformations

1.10 Symbols and Icons

The lists of symbols, buttons and shortcut key that are used in the application to perform various tasks are covered in this topic.

Table 1-4 Symbols and Icons











Icons	Function
	Perform search
	Minimize
	Navigate to the next record
	Navigate to the previous record
	Toggle OFF
	Toggle ON
	Delete
	Click this icon to add a new row.
	Click this icon to delete an existing row.
	List view

Table 1-4 (Cont.) Symbols and Icons












Icons	Function
	Maximize
	Navigate to the first record
	Navigate to the last record
	Advance search
	Search record
	Save the record
	Reset the record
	Clear the record

Table 1-5 Symbols and Icons - Audit Details

Icons	Function
	A user
	Branch details
	Date and Time

1.11 Prerequisite

Specify the **User ID** and **Password**, and login to **Home** screen.

2

Introduction

3

Overview of Purge Entity

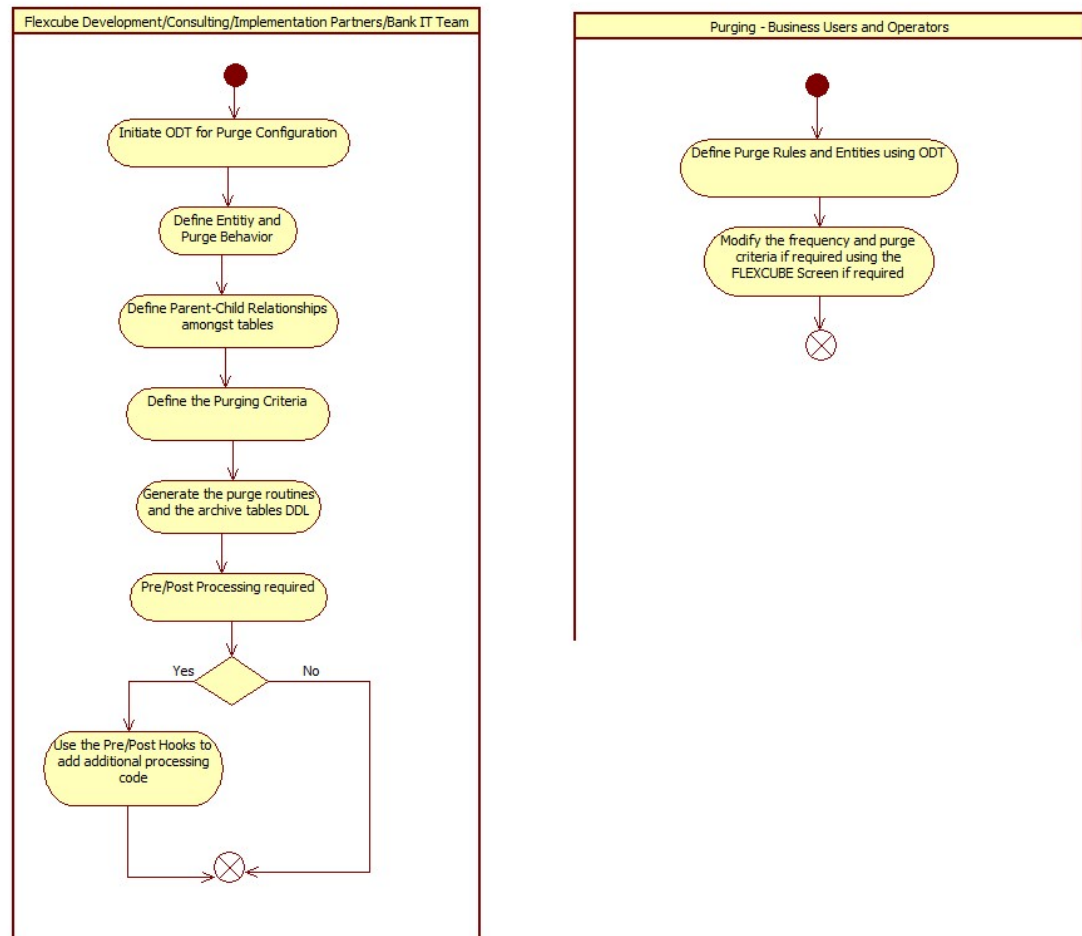
This topic provides an overview of Purge Entity.

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 3-1 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.

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.

4

Purge Parameters Configuration

For the initial purge parameter configuration, ODT utility for generating the Purge routines is to be used. The tool will be used to generate 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
 - a. Parent table
 - b. Primary key for the parent table and the data-types of the key fields
 - c. List of child tables
 - d. Relation with the parent tables and the data-types of the key fields
2. Maintaining the purge behavior – whether the data is to 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 will be applied on the parent table to identify the data to purge and based on the setup, corresponding data will be purged from the child tables also

5

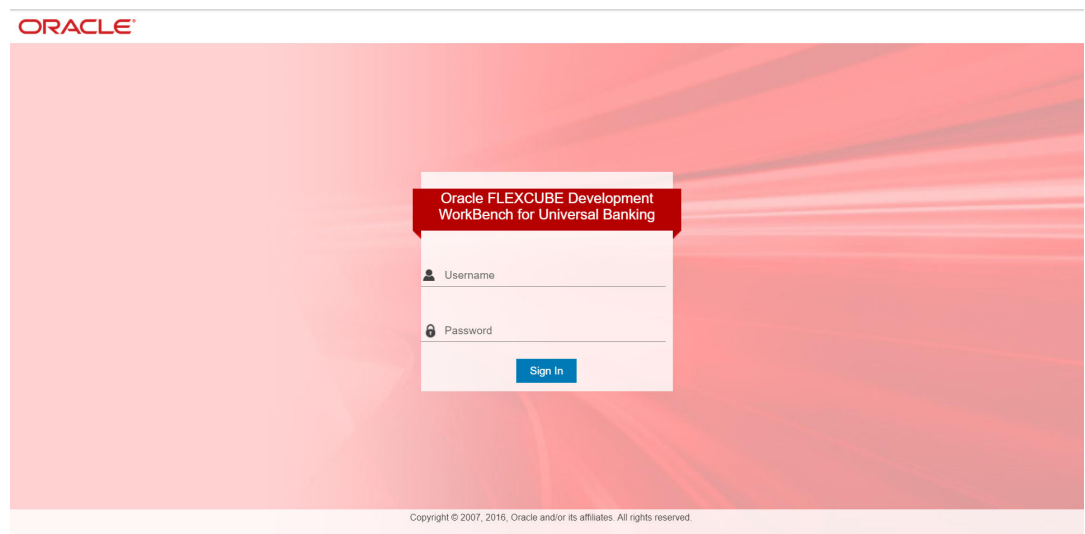
Purge Entity Definition

This topic explains the systematic instructions about Purge Entity Definition.

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

Oracle FLEXCUBE Universal Banking Development Workbench login page is displayed.

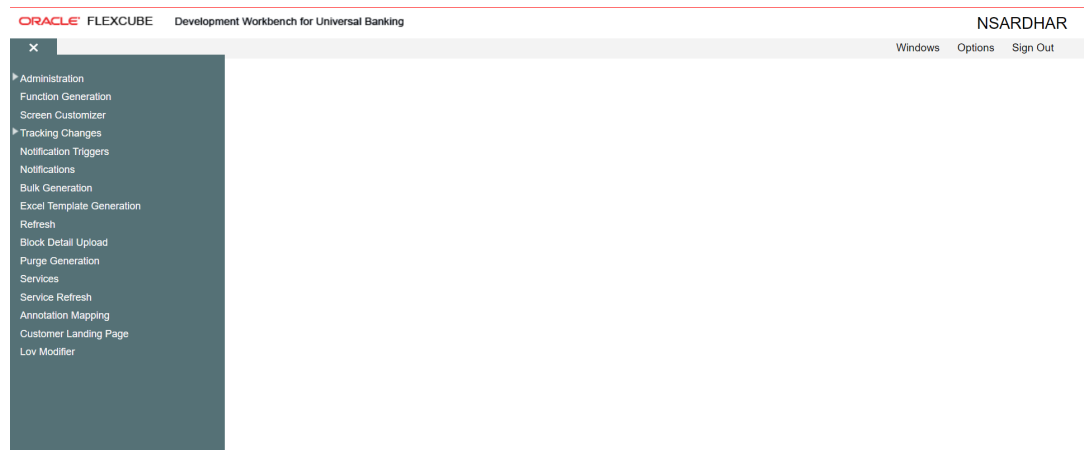
Figure 5-1 Login



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

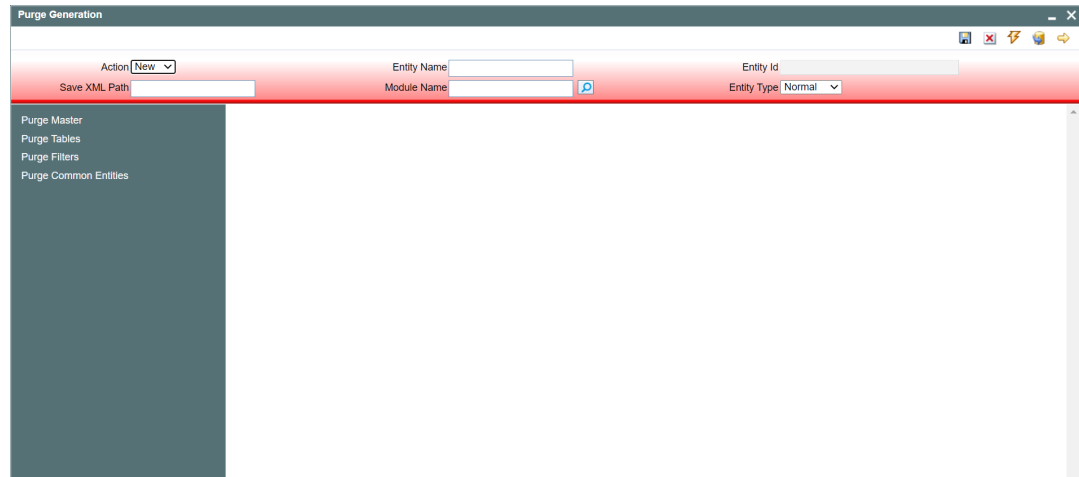
Development Workbench_Home Page is displayed.

Figure 5-2 Oracle FLEXCUBE Universal Banking Development Workbench



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

Figure 5-3 Purge Generation



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

Table 5-1 Purge Generation

Field	Description
Action	Select the Action from the drop-down list. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • Normal • Common

- On the **Purge Generation** screen menu, there are four screen options:
 - [Purge Master](#)
 - [Purge Tables](#)
 - [Purge Filters](#)

- Purge Common Entities (xref-cross ref)

6

Purge Master

This topic explains the systematic instructions about Purge Master.

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

Figure 6-1 Preferences

The screenshot shows the 'Purge Generation' application window. The top header bar is red and contains several input fields: 'Action' (set to 'New'), 'Entity Name', 'Entity Id', 'Save XML Path', 'Module Name', and 'Entity Type' (set to 'Normal'). On the left, there is a dark sidebar with a menu containing 'Purge Master', 'Purge Tables', 'Purge Filters', and 'Purge Common Entities'. The main content area is titled 'Preferences' and contains several configuration fields: 'Entity Description' (text input), 'Purge Type' (dropdown menu showing 'Delete'), 'Purge Mode' (dropdown menu showing 'Entity'), 'Purge Frequency' (text input), 'Archive Table Suffix' (text input), and 'Archival Destination' (dropdown menu).

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

Table 6-1 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• Entity - Purge happens based on the entity or record.• Bulk - Purge happens in bulk for many records.

Table 6-1 (Cont.) Preferences

Field	Description
Purge Frequency	Select the frequency at which the purge should happen from the following options: <ul style="list-style-type: none">• Ad-hoc• Daily• Weekly• Monthly• Quarterly• Yearly
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: <ul style="list-style-type: none">• Same Schema• Different Schema in same instance• Different Database

7

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 7-1 Purge Table Details (recapture)

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

Table 7-1 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.
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.

Table 7-1 (Cont.) Purge table Details

Field	Description
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.

8

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 8-1 Purge Filter Details

Filter Name	Filter Data Type	Scope	Filter Expression	Filter Operator	Default Value	Maximum Length
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2. On the **Purge Filter Details** screen, there are three filters:

- a. [Business Filter](#)
- b. [Execution Filter](#)
- c. [Free Format Filter](#)

9

Business Filter

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 9-1 Business Filters

2. On the **Business Filters** tab, specify the fields.
For more information on fields, refer to the field description table.

Table 9-1 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: <ul style="list-style-type: none"> • 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.

Table 9-1 (Cont.) Business Filters - Field Description

Field	Description
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.

10

Execution Filter

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 10-1 Execution Filters

The screenshot shows the 'Purge Generation' application window. The top bar contains fields for 'Action' (set to 'New'), 'Entity Name', 'Entity Id', 'Save XML Path', 'Module Name', and 'Entity Type' (set to 'Normal'). The left sidebar lists navigation options: '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' (which is selected and highlighted in red), and 'Free Format Filter'. Below the tabs is a table titled 'Filter Details' with columns: 'Filter Name', 'Filter Data Type', 'Scope', 'Filter Expression', 'Filter Operator', 'Default Value', and 'Maximum Length'. The table is currently empty. A 'Details' button with a plus icon is located at the top right of the table area.

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

For more information on fields, refer to [#unique_33/unique_33_Connect_42_TABLE_EDF_K2X_VRB](#) field description table.

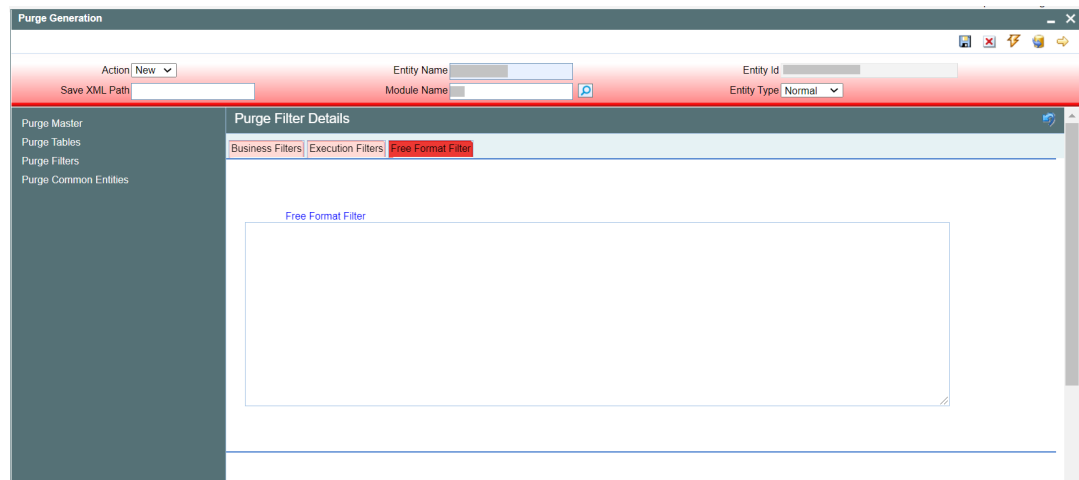
11

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 11-1 Free Format Filter



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