OUM

DS.140 Design Specification

Cigna Corporation

BI-FAH-0006 Cigna Pre Allocated Expense Subject Area

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# Document Control

## Change Record

5

| Date | Author | Version | Change Reference |
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| 19-Nov-15 | Krishna Prasad Pangath | 1.0 | No Previous Document |
| 30-Mar-16 | P.Sony Keerthi Reddy | 1.1 | As part of release 1B Best practices- Transacation Monitor report PTD and YTD calculations are done in RPD. Changes are done in the below section:  8. Presentation Layer |

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# Business Overview

As part of the Building Financial Foundations project, Oracle Enterprise Business Suite (EBS) R12 was implemented / upgraded in an effort to modernize the overall accounting and financial reporting process. Reporting for the General Ledger (GL), Accounts Payable (AP), Fixed Assets (FA) and Accounts Receivable (AR) were developed in Discoverer as part of the Financial Analytics OBIEE applications. Oracle Business Intelligence Application (OBIA) will be implemented to support GAAP, STAT, MLR reporting, extend analysis capabilities, and provide operating expense reporting to various areas in the Finance community.

Pre-allocation expenses transactions reside in the custom area of Oracle EBS. Out of the box OBIA RPD and analytics do not bring them into OBIA presentation layer. As a result, custom RPD design and build will be required to enable BI analytical reporting on pre-allocated expenses data.

This custom RPD design and Pre Allocated Subject Area will allow the user to analyze and report on all of the important pre-allocated data elements. It will form a common basis for the current and future reports, as well as provide a simplified view (with the necessary joins) for the user to create ad-hoc analyses.

Pre-allocation expense transactions can be broadly classified into 3 major categories as below. They are loaded into BI data warehouse via custom ETL process.

* Web ADI Portal transactions
* Non-FAH transactions
* EBS Sub Ledger expense transactions

## Assumptions

* Only the data that reside in the OBIA / OBAW data ware house tables either via standard or custom ETL will be pulled into RPD and BI presentation. Data will not be sourced from any other systems directly.
* Joins to out of the box accounts payable subject area only will be in scope for this requirement.
* Joins to out of the box fixed asset subject area will be out of scope for this requirement. It will be part of ‘Fixed Asset Reporting’ requirements spec.
* Joins to out of the box Cost Management transaction details will be out of scope. Any cost management related fields required for pre-allocation expenses reporting is assumed to be present in the custom staging area.
* Custom ETL (BI-ETL-0001) should have been successfully executed and should have brought the pre-allocated expenses fact and dimensional data should have successfully loaded into BI DW .
* Out of the box load plans full load and incremental load must have been successfully executed and data should have been loaded successfully in standard BI DW tables.
* Data will not be available in real time. Latency of data will directly depend on when the last data refresh (standard and custom) happened. Normal schedule of data refresh is daily / nightly.
* No analysis or dashboard will be built as part of this requirement. Only subject area structure will be available for end users to perform ad hoc reporting.

## Risks & Issues

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Risk/Issue** | **Probability**  **(H/M/L)** | **Mitigation** |
| R&I-1 | Any change in source table structure | L | Data acquisition ETLs have to be modified accordingly. |
| R&I-2 | Incorporation of more than one Summary table and frequent changes in column structures | H | Re-work needs to be done with change in delivery timeline. |
| R&I-3 | Any modification in the requirement with regards to the user interaction of Parent-child value hierarchy would involve further customization of the hierarchy tables. | H | Re-work needs to be done with change in delivery timeline. |
| R&I-4 | Any change in ETL flow/logic will have impact on the design of CS | L | The RPD has to be modified to accommodate the data elements. |

## Referential Documents

The following documents serve as references for the content within this technical design

Document.

|  |  |
| --- | --- |
| **Name** | **Locations/Attachments** |
| Pre Allocated CSA Functional Specification | [Preallocated Expense Functional Spec](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/Design/Reporting/Functional%20Specs/RPD/BI-FAH-0006_FS_RD-140_PREALLOC_EXP_SUBJECT_AREA.DOCX) |
| ETL Functional Specification | [BI-ETL-0001\_FS\_RD-140\_PREALLOC\_EXP\_ETL](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/Design/Reporting/Functional%20Specs/ETL/BI-ETL-0001_FS_RD-140_PREALLOC_EXP_ETL.DOCX) |
| ETL Technical Design Document | [DS-140\_ETL\_TECH\_DESIGN\_DOCUMENT](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/IT%20Delivery/TCS/04-MD70%20Technical%20Design%20Documents%20(TD)/DS-140_BI-ETL-0001_ETL_TECH_DESIGN_DOCUMENT.docx) |
| Security Functional Specification | [PreAllocated Expenses Security](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/Design/Reporting/Security/PreAllocatedSecurity.xlsx) |

## Definitions and Acronyms

|  |  |
| --- | --- |
| **Key Word** | **Meaning** |
| OBIEE | Oracle Business Intelligence Enterprise Edition |
| OOB | Out Of The Box |
| RPD | Repository File |
| ETL | Extract, Transform and Load |
| BI | Business Intelligence |
| DW | Data warehouse |
| XX | Used as placeholders in scenarios where there are multiple GL segments involved. For example, if the same actions are to be done for GL segments 1-19, XX is mentioned in the relevant section. The values that they can assume will be mentioned at the start of the context. |
| CSA | Common Subject Area (A synonym for Cigna Pre Allocated Expense Subject Area) |

## Block Diagram

DW

OBIEE

EBS

**R12 EBS Accounts Payables**

**Cigna Pre Allocated Expense Subject Area**

**OOB AP Dimensions**

**OOB GL Segment & Time Dimensions**

**Custom**

**Pre-Expense**

**Staging**

**Custom**

**Pre-Expense**

**Staging**

# Technical Overview

## Technical Approach

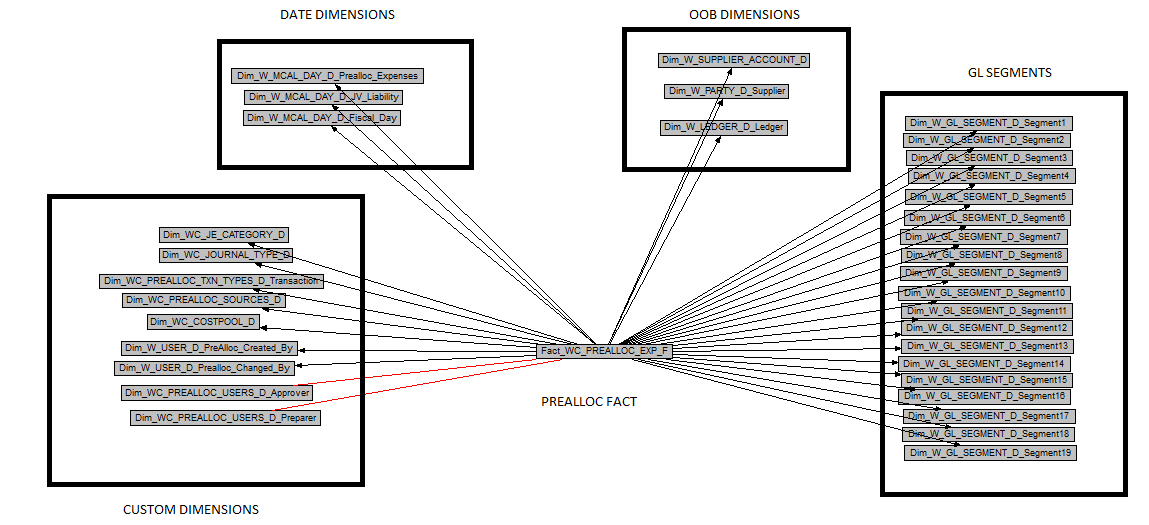
The high level approach for the requirement independently is as follows:

The ETL design for this requirement has already been defined in a separate document dedicated exclusively for the custom ETL flow to bring custom data into the DW. The following sections broadly outline the design at the OBIEE side, based on the backend database objects already created by ETL.

The pre allocated subject area data model is a star schema with a central fact populated by custom designed ETL bringing in all the metrics and attributes required for reporting. This is linked to OOB conformed dimensions as well as custom dimensions created exclusively for this subject area.

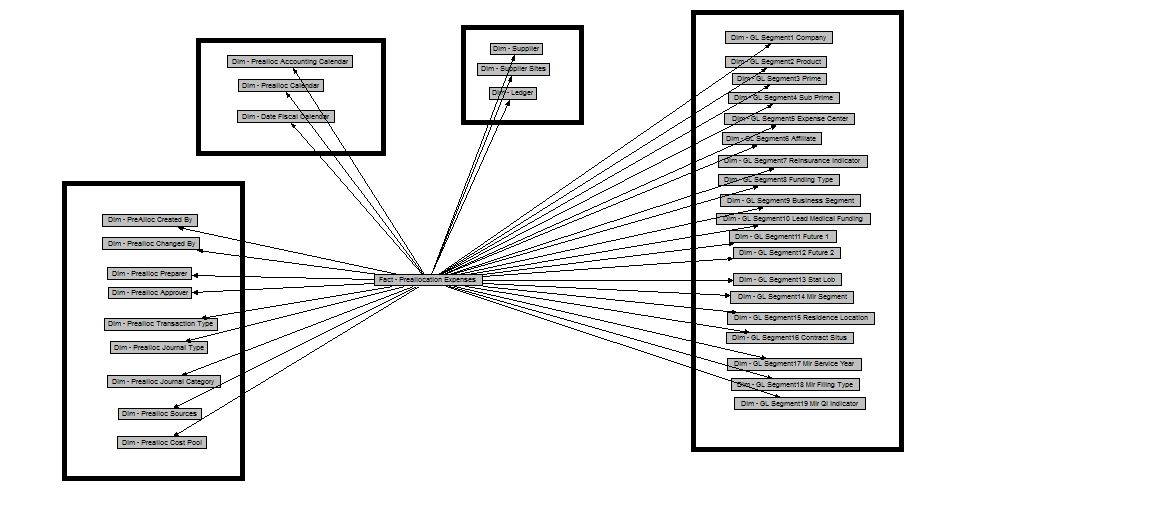


Translated to OBIEE RPD design, the physical data model looks as follows:



As mentioned, the Fact is joined to GL Segments 1- 19 through the relevant surrogate keys. The fact also joins to OOB supplier and supplier Site dimensions to pull in data related to Payables. There is also a link to OOB Ledger dimension to pull in all the relevant Ledger related data as well as to use in Prompts that are used in reports sourced from this subject area. A date dimension was also created based on the standard OOB dimensions to be used exclusively for this subject area. There are also a set of custom dimensions that are being pulled (Sources, Cost Pool, Transaction type etc) which would be used to report against the Pre-allocation expense Fact.

The design gets replicated for the Logical Model:



The design for data level security involves creation of an initialization block to pull up the responsibility setup related to the user and use that value as parameter to the customized GL segment hierarchy stored in the DW. This pulls up all the child nodes below of a specific Expense Center and which could further be used as a filter to limit the records. The filter is applied whenever the Logical Pre Allocation fact is queries by the requests generated by the user.

## Data Lineage/Mapping

The data mapping for all the columns showing up in the CSA presentation layer is as attached:



The ETL Lineage is handled in the ETL Technical Document ([DS-140\_ETL\_TECH\_DESIGN\_DOCUMENT](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/IT%20Delivery/TCS/04-MD70%20Technical%20Design%20Documents%20(TD)/DS-140_BI-ETL-0001_ETL_TECH_DESIGN_DOCUMENT.docx))

# Custom Components list

**ETL/DB objects are out of scope in this list**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Area** | **Type** | **New /Change?** | **Name** | **Description** | **Purpose** | **Schema** |
| 1 | RPD | Alias | New | Dim\_WC\_COSTPOOL\_D |  | Loads the Cost Pool Dimension |  |
| 2 | RPD | Alias | New | Dim\_WC\_JE\_CATEGORY\_D |  | Loads the JE Category Dimension |  |
| 3 | RPD | Alias | New | Dim\_WC\_JOURNAL\_TYPE\_D |  | Loads the Journal Type Dimension |  |
| 4 | RPD | Alias | New | Dim\_WC\_PREALLOC\_SOURCES\_D |  | Loads the Source Dimension |  |
| 5 | RPD | Alias | New | Dim\_WC\_PREALLOC\_TXN\_TYPES\_D\_Transaction |  | Loads the Transaction Type Dimension |  |
| 6 | RPD | Alias | New | Dim\_WC\_PREALLOC\_USERS\_D\_Approver |  | Loads the Approver Dimension |  |
| 7 | RPD | Alias | New | Dim\_WC\_PREALLOC\_USERS\_D\_Preparer |  | Loads the Preparer Dimension |  |
| 8 | RPD | Alias | New | Fact\_WC\_PREALLOC\_EXP\_F |  | Pre Alloc Fact |  |
| 9 | RPD | Alias | New | Dim\_W\_MCAL\_DAY\_D\_Prealloc\_Expenses |  | Alias for OOB Time Dimension |  |
| 10 | RPD | Logical Table | New | Dim - Prealloc Accounting Calendar |  |  |  |
| 11 | RPD | Logical Table | New | Dim - Prealloc Approver |  |  |  |
| 12 | RPD | Logical Table | New | Dim - Prealloc Changed By |  |  |  |
| 13 | RPD | Logical Table | New | Dim - Prealloc Cost Pool |  |  |  |
| 14 | RPD | Logical Table | New | Dim - PreAlloc Created By |  |  |  |
| 15 | RPD | Logical Table | New | Dim - Prealloc Journal Category |  |  |  |
| 16 | RPD | Logical Table | New | Dim - Prealloc Journal Type |  |  |  |
| 17 | RPD | Logical Table | New | Dim - Prealloc Preparer |  |  |  |
| 18 | RPD | Logical Table | New | Dim - Prealloc Sources |  |  |  |
| 19 | RPD | Logical Table | New | Dim - Prealloc Transaction Type |  |  |  |
| 20 | RPD | Presentation Table | New | Accounting Calendar |  |  |  |
| 21 | RPD | Presentation Table | New | Source |  |  |  |
| 22 | RPD | Presentation Table | New | Ledger |  |  |  |
| 23 | RPD | Presentation Table | New | GL Currency |  |  |  |
| 24 | RPD | Presentation Table | New | Journal Type |  |  |  |
| 25 | RPD | Presentation Table | New | Journal Category |  |  |  |
| 26 | RPD | Presentation Table | New | Requestor |  |  |  |
| 27 | RPD | Presentation Table | New | Final Approver |  |  |  |
| 28 | RPD | Presentation Table | New | Created By |  |  |  |
| 29 | RPD | Presentation Table | New | Last Updated By |  |  |  |
| 30 | RPD | Presentation Table | New | Cost Pool |  |  |  |
| 31 | RPD | Presentation Table | New | Transaction Type |  |  |  |
| 32 | RPD | Presentation Table | New | Company |  |  |  |
| 33 | RPD | Presentation Table | New | Product |  |  |  |
| 34 | RPD | Presentation Table | New | Prime |  |  |  |
| 35 | RPD | Presentation Table | New | Sub Prime |  |  |  |
| 36 | RPD | Presentation Table | New | Expense Center |  |  |  |
| 37 | RPD | Presentation Table | New | Affiliate |  |  |  |
| 38 | RPD | Presentation Table | New | Reinsurance Indicator |  |  |  |
| 39 | RPD | Presentation Table | New | Funding Type |  |  |  |
| 40 | RPD | Presentation Table | New | Business Segment |  |  |  |
| 41 | RPD | Presentation Table | New | Lead Medical Funding |  |  |  |
| 42 | RPD | Presentation Table | New | Stat Lob |  |  |  |
| 43 | RPD | Presentation Table | New | MLR Segment |  |  |  |
| 44 | RPD | Presentation Table | New | Residence Location |  |  |  |
| 45 | RPD | Presentation Table | New | Contract Situs |  |  |  |
| 46 | RPD | Presentation Table | New | MLR Service Year |  |  |  |
| 47 | RPD | Presentation Table | New | MLR Filing Type |  |  |  |
| 48 | RPD | Presentation Table | New | MLR QI Indicator |  |  |  |
| 49 | RPD | Presentation Table | New | Future 1 |  |  |  |
| 50 | RPD | Presentation Table | New | Future 2 |  |  |  |
| 51 | RPD | Presentation Table | New | Voucher |  |  |  |
| 52 | RPD | Presentation Table | New | Vendor Details |  |  |  |
| 53 | RPD | Presentation Table | New | Facts - Pre-Allocated Expenses |  |  |  |
| 54 | RPD | Presentation Table | New | Facts - Transaction Details |  |  |  |
| 55 | RPD | Presentation Table | New | Facts - Invoice Details |  |  |  |
| 56 | RPD | Initialization Block | New | Cigna AOR Hierarchy Based Security |  | Pulls the expense center child values for use in AOR based security |  |
| 57 | RPD | Session Variable | New | WC\_AOR\_EC\_SECURITY\_DW |  | Stores the values returned from the Initialization block “Cigna AOR Hierarchy Based Security” |  |
| 58 | Weblogic/RPD | Application Role | New | Cigna Pre-Allocated Expense Analyst role |  | Role created for security setting w.r.t Pre Allocated Expense CSA |  |
| 59 | Weblogic | Group | New | Cigna Pre-Allocated Expense Analyst |  | Group assigned to “Cigna Pre-Allocated Expense Analyst Role” Application Role |  |
| 60 | RPD | Dimensional Hierarchy | New | Dim - Prealloc ApproverDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 61 | RPD | Dimensional Hierarchy | New | Dim - Prealloc CalendarDim | Level set in sync with the OOB Fiscal CalendarDim |  |  |
| 62 | RPD | Dimensional Hierarchy | New | Dim - Prealloc Changed ByDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 63 | RPD | Dimensional Hierarchy | New | Dim - Prealloc Cost PoolDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 64 | RPD | Dimensional Hierarchy | New | Dim - PreAlloc Created ByDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 65 | RPD | Dimensional Hierarchy | New | Dim - Prealloc Journal CategoryDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 66 | RPD | Dimensional Hierarchy | New | Dim - Prealloc Journal TypeDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 67 | RPD | Dimensional Hierarchy | New | Dim - Prealloc PreparerDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 68 | RPD | Dimensional Hierarchy | New | Dim - Prealloc SourcesDim | One Total and One detail Level with all attributes set at detail level. |  |  |
| 69 | RPD | Dimensional Hierarchy | New | Dim - Prealloc Transaction TypeDim | One Total and One detail Level with all attributes set at detail level. |  |  |

# ELT Overview

All the information related to the ELT flow of this component is covered in the Technical document ([DS-140\_ETL\_TECH\_DESIGN\_DOCUMENT](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/IT%20Delivery/TCS/04-MD70%20Technical%20Design%20Documents%20(TD)/DS-140_BI-ETL-0001_ETL_TECH_DESIGN_DOCUMENT.docx))

## Data Flow Model

.

## Source System

### Data objects

|  |  |  |
| --- | --- | --- |
| **Source(Table/View)** | **Column** | **Description** |
| N/A | N/A | N/A |

### Data Model

## Target System

### Data objects

|  |  |  |
| --- | --- | --- |
| **Source(Table/View)** | **Column** | **Description** |
| N/A | N/A | N/A |

### Data Model

N/A

## SQL Statements

N/A

## Indexes

N/A

|  |  |  |
| --- | --- | --- |
| **Name** | **Columns** | **Description** |
| N/A | N/A | N/A |

## Data Mapping

## Load plans

The following new components were created to execute a scheduled procedure that runs at a predetermine schedule.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

# RPD Design

## Physical Layer

**Connection Pool**

The existing connection pool for DW is used to connect to the OOB as well as custom tables, since they reside on the same schema.

|  |  |
| --- | --- |
| **Item** | **Specification** |
| Call Interface | *OCI 10G/11G* |
| Maximum Connections | *100* |
| Fully Qualified Table Names | *YES* |
| Data Source Name | *(DESCRIPTION=(ADDRESS\_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=vmsodcgit001.oracleoutsourcing.com)(PORT=30711)))(CONNECT\_DATA=(SERVICE\_NAME=DCGIT3))) (Connection string for the relevant instance)* |
| Shared Login | *Yes* |
| User Name | *DCGIT3\_DW (Datawarehouse Schema for the relevant instance)* |
| Enable Connection Pooling | *Yes* |
| Timeout | *5 min* |
| Asynchronous Queries | *No* |
| Execute on Connect | *no* |
| Parameters Supported | *yes* |
| Isolation Level | *Dirty read* |

## Database Objects

### Tables/Views

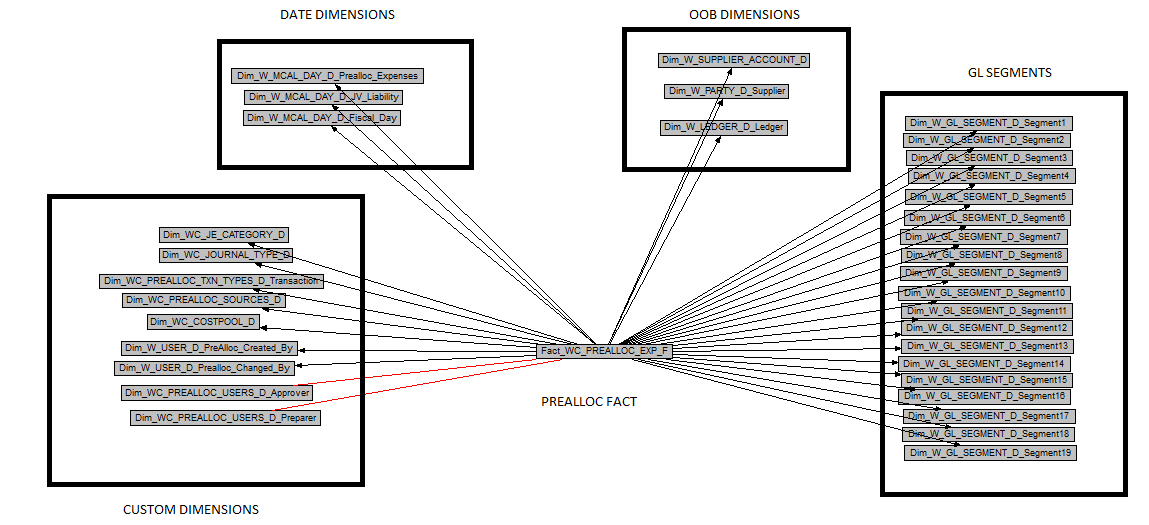
|  |  |  |
| --- | --- | --- |
| **RPD Object Name** | **WH Object Name** | **Description** |
| Dim\_WC\_COSTPOOL\_D | WC\_COSTPOOL\_D | Stores the cost pool dimension |
| Dim\_WC\_JE\_CATEGORY\_D | WC\_JE\_CATEGORY\_D | JE Category dimension |
| Dim\_WC\_JOURNAL\_TYPE\_D | WC\_JOURNAL\_TYPE\_D | Journal Type Dimension |
| Dim\_WC\_PREALLOC\_SOURCES\_D | WC\_PREALLOC\_SOURCES\_D | Sources that generates the various pre allocated expense transactions |
| Dim\_WC\_PREALLOC\_TXN\_TYPES\_D\_Transaction | WC\_PREALLOC\_TXN\_TYPES\_D | Transaction types |
| Dim\_WC\_PREALLOC\_USERS\_D\_Approver, Dim\_WC\_PREALLOC\_USERS\_D\_Preparer | WC\_PREALLOC\_USERS\_D | Users dimension that stores the Approver/Preparer information |
| Fact\_WC\_PREALLOC\_EXP\_F | WC\_PREALLOC\_EXP\_F | Pre Allocated Expense Fact |

### Data Validations

No extra validations required since all the aliases, DB objects for this component are based on already existing DW objects.

|  |  |  |
| --- | --- | --- |
| **ID** | **Validation** | **Description** |
| N/A | N/A | N/A |

## Physical diagram



**The joins are as follows:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Source Table Name** | **Target Table Name** | **Join Type (Physical Key/Complex)** | **Joins Specification** |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment1 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT1\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment2 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT2\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment3 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT3\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment4 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT4\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment5 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT5\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment6 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT6\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment7 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT7\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment8 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT8\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment9 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT9\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment10 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT10\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment11 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT18\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment12 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT19\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment13 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT11\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment14 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT12\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment15 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT13\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment16 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT14\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment17 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT15\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment18 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT16\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_GL\_SEGMENT\_D\_Segment19 | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_GL\_SEGMENT\_D\_Segment1"."SCD1\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."GL\_SEGMENT17\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_LEDGER\_D\_Ledger | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_LEDGER\_D\_Ledger"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."LEDGER\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_MCAL\_DAY\_D\_Fiscal\_Day | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_MCAL\_DAY\_D\_Fiscal\_Day"."MCAL\_DAY\_DT\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."ACCOUNTING\_DT\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_MCAL\_DAY\_D\_Prealloc\_Expenses | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_MCAL\_DAY\_D\_Prealloc\_Expenses"."MCAL\_DAY\_DT\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."ACCOUNTING\_DT\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_PARTY\_D\_Supplier | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_PARTY\_D\_Supplier"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."SUPPLIER\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_SUPPLIER\_ACCOUNT\_D | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_SUPPLIER\_ACCOUNT\_D"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."SUPPLIER\_ACCT\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_USER\_D\_Prealloc\_Changed\_By | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_USER\_D\_Prealloc\_Changed\_By"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."CHANGED\_BY\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_W\_USER\_D\_PreAlloc\_Created\_By | Physical Key | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_USER\_D\_PreAlloc\_Created\_By"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."CREATED\_BY\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_WC\_COSTPOOL\_D | Physical Key | "Oracle Data Warehouse".""."DCGIT3\_DW"."Dim\_WC\_COSTPOOL\_D"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."COST\_POOL\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_WC\_JE\_CATEGORY\_D | Physical Key | "Oracle Data Warehouse".""."DCGIT3\_DW"."Dim\_WC\_JE\_CATEGORY\_D"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."JOURNAL\_CATEGORY\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_WC\_JOURNAL\_TYPE\_D | Physical Key | "Oracle Data Warehouse".""."DCGIT3\_DW"."Dim\_WC\_JOURNAL\_TYPE\_D"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."JRNL\_TYPE\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_WC\_PREALLOC\_SOURCES\_D | Physical Key | "Oracle Data Warehouse".""."DCGIT3\_DW"."Dim\_WC\_PREALLOC\_SOURCES\_D"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."SOURCE\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_WC\_PREALLOC\_TXN\_TYPES\_D\_Transaction | Physical Key | "Oracle Data Warehouse".""."DCGIT3\_DW"."Dim\_WC\_PREALLOC\_TXN\_TYPES\_D\_Transaction"."ROW\_WID" = "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."TRANSACTION\_TYPE\_WID" |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_WC\_PREALLOC\_USERS\_D\_Approver | Complex | "Oracle Data Warehouse".""."DCGIT3\_DW"."Dim\_WC\_PREALLOC\_USERS\_D\_Approver"."ROW\_WID" = IfNull("Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."FINAL\_APPROVER\_WID", 0) |
| Fact\_WC\_PREALLOC\_EXP\_F | Dim\_WC\_PREALLOC\_USERS\_D\_Preparer | Complex | "Oracle Data Warehouse".""."DCGIT3\_DW"."Dim\_WC\_PREALLOC\_USERS\_D\_Preparer"."ROW\_WID" =IfNull( "Oracle Data Warehouse".""."DCGIT3\_DW"."Fact\_WC\_PREALLOC\_EXP\_F"."REQUESTOR\_WID", 0) |

# BMM Layer

## Logical Layer

The design in the BMM layer is mostly straightforward with the model being almost an exact copy of physical layer with no additional complex joins or any aggregate navigation. The fact is set at the Detail level for all the dimensions to which it is linked.

### Logical Tables

**The following new Logical Tables were created:**

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Accounting Calendar** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Mcal Day Dt Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_W\_MCAL\_DAY\_D\_Prealloc\_Expenses | Y | Dim\_W\_MCAL\_DAY\_D\_Prealloc\_Expenses | "Oracle Data Warehouse"."Catalog"."dbo"."Dim\_W\_MCAL\_DAY\_D\_Prealloc\_Expenses"."MCAL\_CAL\_NAME" = 'CIGNA\_CORPORATE' |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Approver** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_WC\_PREALLOC\_USERS\_D\_Approver | Y | Dim\_WC\_PREALLOC\_USERS\_D\_Approver |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Changed By** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_W\_USER\_D\_Prealloc\_Changed\_By | Y | Dim\_W\_USER\_D\_Prealloc\_Changed\_By |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Cost Pool** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_WC\_COSTPOOL\_D | Y | Dim\_WC\_COSTPOOL\_D |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - PreAlloc Created By** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_W\_USER\_D\_PreAlloc\_Created\_By | Y | Dim\_W\_USER\_D\_PreAlloc\_Created\_By |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Journal Category** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_WC\_JE\_CATEGORY\_D | Y | Dim\_WC\_JE\_CATEGORY\_D |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Journal Type** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_WC\_JOURNAL\_TYPE\_D | Y | Dim\_WC\_JOURNAL\_TYPE\_D |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Preparer** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_WC\_PREALLOC\_USERS\_D\_Preparer | Y | Dim\_WC\_PREALLOC\_USERS\_D\_Preparer |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Sources** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_WC\_PREALLOC\_SOURCES\_D | Y | Dim\_WC\_PREALLOC\_SOURCES\_D |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Dim - Prealloc Transaction Type** |
| **Logical Table Type** | **Dimension** |
| **Primary Key** | **Row Wid** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Dim\_WC\_PREALLOC\_TXN\_TYPES\_D\_Transaction | Y | Dim\_WC\_PREALLOC\_TXN\_TYPES\_D\_Transaction |  |  |

|  |  |
| --- | --- |
| **Logical Table** | **Fact - Preallocation Expenses** |
| **Logical Table Type** | **Fact** |
| **Primary Key** | **NA** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logical Table Source** | **Active** | **List of Physical Tables Mapped** | **WHERE Clause in LTS** | **LTS Join Type** |
| Fact\_WC\_PREALLOC\_EXP\_F | Y | Fact\_WC\_PREALLOC\_EXP\_F |  |  |

### Joins

Each New Logical Dimension table created in the above step has to be joined to the following Logical tables with the dimension being at the 1 end of the 1:N relationship:

|  |
| --- |
| Dim - Date Fiscal Calendar |
| Dim - Prealloc Sources |
| Dim - Ledger |
| Dim - Prealloc Journal Type |
| Dim - Prealloc Preparer |
| Dim - Prealloc Approver |
| Dim - PreAlloc Created By |
| Dim - Prealloc Changed By |
| Dim - Prealloc Cost Pool |
| Dim - Prealloc Transaction Type |
| Dim - GL Segment1 Company |
| Dim - GL Segment2 Product |
| Dim - GL Segment3 Prime |
| Dim - GL Segment4 Sub Prime |
| Dim - GL Segment5 Expense Center |
| Dim - GL Segment6 Affiliate |
| Dim - GL Segment7 Reinsurance Indicator |
| Dim - GL Segment8 Funding Type |
| Dim - GL Segment9 Business Segment |
| Dim - GL Segment10 Lead Medical Funding |
| Dim - GL Segment13 Stat Lob |
| Dim - GL Segment14 Mlr Segment |
| Dim - GL Segment15 Residence Location |
| Dim - GL Segment16 Contract Situs |
| Dim - GL Segment17 Mlr Service Year |
| Dim - GL Segment18 Mlr Filing Type |
| Dim - GL Segment19 Mlr Qi Indicator |
| Dim - GL Segment11 Future 1 |
| Dim - GL Segment12 Future 2 |
| Dim - Supplier |
| Dim - Supplier Sites |

### Business Rules

|  |  |  |
| --- | --- | --- |
| **ID** | **Business Rule** | **Description** |
| N/A | N/A | N/A |

# Presentation layer

The newly created presentation table have been added in section 5 for the custom components. The presentation columns have been created based on the data field document mentioned as per the following document.



No other customizations were added at the presentation layer.

Implicit Fact column is set to **"Core"."Fact - Preallocation Expenses"."Row Id"**

# Report Design

## Report Details

No specific reports have been created for this component.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Report Name** | **Report Location** | **Subject Area** | **Dashboard** | **Dashboard Page** | **Description** |
| N/A | N/A | N/A | N/A | N/A | N/A |

## User Prompts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Dashboard Prompt Name** | **Prompt Label** | **Prompt Expression** | **Prompt Type** | **Default To** | **Set Variable** |
| N/A | N/A | N/A | N/A | N/A | N/A |

## Header

|  |  |
| --- | --- |
| **Report Name** | **Report Location** |
| Report Title | N/A |
| Report Sub-Title | N/A |

## Data Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column Name** | **Column Description** | **Calculated?** | **BMM Expression** | **Variable Name** | **Comment** |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |

## Report Filters

|  |  |
| --- | --- |
| **Column Name** | **Filter Condition** |
| N/A | N/A |
| N/A | N/A |

## Interfaces- External

|  |  |  |  |
| --- | --- | --- | --- |
| **Drilldown From Column** | **Drilldown To Column** | **Underlying Hierarchy** | **Display Characteristics** |
| N/A | N/A | N/A | N/A |

|  |  |  |  |
| --- | --- | --- | --- |
| **Navigate From Column** | **Navigate To** | **Pass-through Parameters** | **Display Characteristics** |
| N/A | N/A | N/A | N/A |

## Security

**Object Level Security**

This also involves setting up the User level security at the rpd level. Any user who is part of group or is assigned can access this dashboard. No other user assigned to any other group or any other application role can access Pre Allocation Subject area.

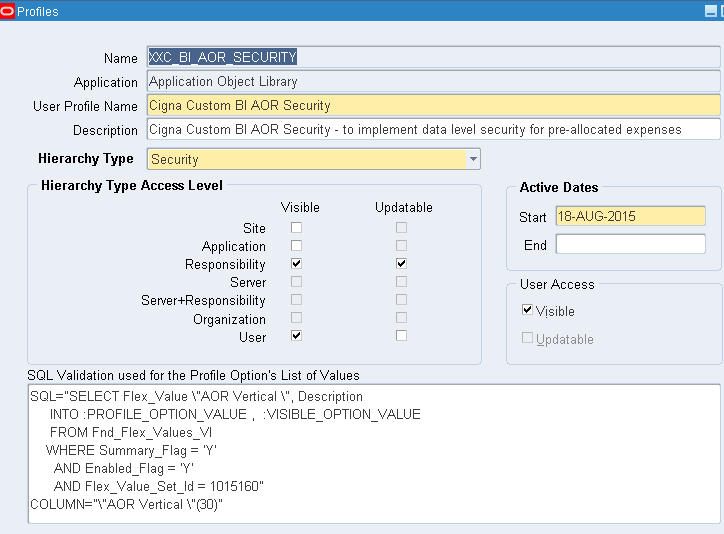
|  |  |
| --- | --- |
| **Group** | **Application Role** |
| Cigna Pre-Allocated Expense Analyst | Cigna Pre-Allocated Expense Analyst role |

**Row Level (Data)Security**

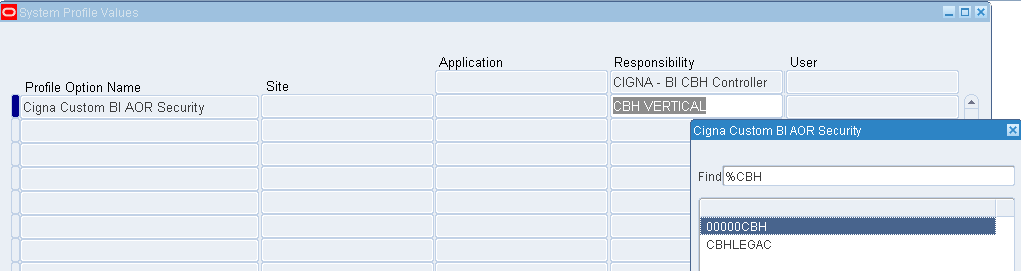
This involves changes at both BI and EBS setups.

**EBS Level Changes:**

A new profile ‘XXC\_BI\_AOR\_SECURITY’ was created at the EBS side with values limited to AOR verticals.



Custom BI responsibility is created and the above custom profile set at the responsibility level with an expense center parent value from the pick list. Example shown below t



Users are assigned one or more BI AOR Security responsibilities created above thereby defining access rules for a user to expense center parents and the entire children expense center values associated with that hierarchy

**BI Security Setup:**

Involves an IB which pulls the Expense Center Wids related to the child Expense Centers that are pulled as per the Parent values set up in the EBS profiles. This is then applied as a data filter , whenever any user queries the Preallocation Logical fact table in the BMM layer.

**Initialization Block:**

**Name:** Cigna AOR Hierarchy Based Security

|  |  |
| --- | --- |
| **Properties** | **Values** |
| Disabled | Unchecked |
| Allow Deferred Execution | Checked |
| Connection Pool | Oracle Data Warehouse."Oracle Data Warehouse Repository Initblocks Connection Pool" |
| Query | SELECT DISTINCT 'WC\_AOR\_EC\_SECURITY\_DW', Wg5.Gl\_Segment\_Wid  FROM Applsys.Fnd\_Profile\_Option\_Values@Ebs1213.World@Dsn\_1 Fpov, Wc\_Gl\_Segment5\_Dh\_Mv\_Dist Wg5  WHERE Fpov.Application\_Id = 0  AND Fpov.Level\_Id = 10003 -- responsibility level  AND EXISTS  ( SELECT 1  FROM Apps.Fnd\_User\_Resp\_Groups\_all@Ebs1213.World@Dsn\_1 Fur, Applsys.Fnd\_User@Ebs1213.World@Dsn\_1 Fu, Applsys.Fnd\_Profile\_Options@Ebs1213.World@Dsn\_1 Fpo  WHERE Fur.Start\_Date <= TRUNC (SYSDATE)  AND NVL (Fur.End\_Date, SYSDATE) >= TRUNC (SYSDATE)  AND Fur.User\_Id = Fu.User\_Id  AND Fu.User\_name ='VALUEOF(NQ\_SESSION.USER)'  AND Fpov.Level\_Value = Fur.Responsibility\_Id  AND Fpov.Profile\_Option\_Id = Fpo.Profile\_Option\_Id  AND Fpo.Profile\_Option\_Name = 'XXC\_BI\_AOR\_SECURITY')  AND Fpov.Profile\_Option\_Value = Wg5.X\_Parent\_Code |
| Target | Row Wise Initialization |
| Execution Precedence | EBS Security Context, EBS Single Sign-On Integration |

Variable:

|  |  |
| --- | --- |
| Name | WC\_AOR\_EC\_SECURITY\_DW |
| Default Value | ‘-4’ |

Data Filter:

|  |  |
| --- | --- |
| Layer | Business Model and Mapping |
| Name | "Core"."Fact - Preallocation Expenses" |
| Status | Enabled |
| Data Filter | "Core"."Fact - Preallocation Expenses"."GL Segment5 EC Wid" = VALUEOF(NQ\_SESSION."WC\_AOR\_EC\_SECURITY\_DW") |

# Performance

## Performance Considerations/Requirements

Any request created using this subject area is supposed to run within 20 minutes. A timeout limit has been set for the Application role ‘Cigna Pre-Allocated Expense Analyst’ for a maximum of 20 minutes.

## Stress Test

N/A

## Loading Timing/Benchmarking

# Open and Closed Issues

1. Add open issues that you identify while writing or reviewing this document to the open issues section. As you resolve issues, move them to the closed issues section and keep the issue ID the same. Include an explanation of the resolution.  
     
   When this work product is complete, any open issues should be transferred to the project- or process-level Issue Log (Manage focus area) and managed using a project level Issue Form (Manage focus area). In addition, the open items should remain in the open issues section of this work product, but flagged in the resolution column as being transferred.

## Open Issues

| **ID** | **Issue** | **Resolution** | **Responsibility** | **Target Date** | **Impact Date** |
| --- | --- | --- | --- | --- | --- |
| 1 | N/A | N/A | N/A | N/A | N/A |

## Closed Issues

| **ID** | **Issue** | **Resolution** | **Responsibility** | **Target Date** | **Impact Date** |
| --- | --- | --- | --- | --- | --- |
| N/A | N/A | N/A | N/A | N/A | N/A |