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Oracle Financial Services Basel Regulatory Capital Analytics 6.0.0.0.0 Data Migration Guide

Data Migration

Introduction

Data migration is the process of transferring data between storage types, formats, or computer systems. Data migration phases (design, extraction, cleansing, load, and verification) for applications of moderate to high complexity are commonly repeated several times before the new system is deployed.

Data migration is applicable after the installation of the Oracle Financial Services Basel Regulatory Capital Analytics 6.0.0.0.0.

The information contained in this document is intended to give you a quick exposure and an understanding of the data migration procedures.

Data Migration Activities

This process is applicable only for upgrade from Oracle Financial Services Basel II Regulatory Capital Analytics Release 5.3 to Oracle Financial Services Basel Regulatory Capital Analytics Release 6.0.0.0.0 for:

- Standalone installation

Prerequisites

The backup data is taken and data is deleted by Pre-model scripts. In case of failure during the upgrade, restoration needs to be done from these backups. For more information regarding Pre-upgrade and Upgrade activities, refer to the *Oracle Financial Services Basel Regulatory Capital Analytics v6.0.0.0.0 Installation Manual*.

Steps for Migration:

1. Navigate to the "Migration\scripts" directory present in the kit copied area.
2. Provide Read and Execute permissions to all the files under the above-mentioned directory.
3. In this folder, run the compile.sql file, in atomic schema.

Migration kit will run the migration scripts to restore the application tables from backup tables.

Following are the scripts executed by the compile.sql file in the following order for migration:

From atomic\create\ folder:

seq_dim_party.sql

seq_dim_party_type.sql

From atomic\insert\ folder:

DIM_DATES_u.sql

dim_time_zone_NEW.sql

DIM_PARTY_TYPE_u.sql

DIM_PARTY_u.sql

DIM_BANDS_u.sql

DIM_LIMIT_TYPE_NEW.sql

DIM_MITIGANT_NEW.sql
SEC_POOL_MASTER_NEW.sql
Fct_Attribution_Advanced_Appr_u.sql
Fct_Attribution_Simple_Appr_u.sql
Fct_Conc_Risk_Calculation_u.sql
Fct_Conc_Risk_Measure_u.sql
Fct_Discl_Investment_Acct_u.sql
Fct_Ec_Summary_u.sql
Fct_Entity_Info_u.sql
Fct_Lr_Irr_Banking_Book_u.sql
Fct_Market_Risk_Capital_u.sql
Fct_Market_Risk_Com_Capital_u.sql
Fct_Market_Risk_Eq_Capital_u.sql
Fct_Market_Risk_Exposures_u.sql
Fct_Market_Risk_Forex_u.sql
Fct_Market_Risk_Ir_Capital_u.sql
Fct_Market_Risk_Reporting_u.sql
Fct_Market_Risk_Summary_u.sql
Fct_Mitigants_u.sql
Fct_Mkt_Instrument_Contract_u.sql
Fct_Mr_Var_Port_Data_u.sql
Fct_Mr_Var_Summary_Data_u.sql
Fct_Mr_Var_Total_Data_u.sql
Fct_Sub_Exposures_u.sql
Fct_Nettable_Pool_u.sql
Fct_Nettable_Pool_extra_u.sql
Fct_Non_Sec_Exposures_u.sql
Fct_Non_Sec_Exposure_extra_u.sql
Fct_Ops_Risk_Data_u.sql
Fct_Ops_Risk_Open_Losses_u.sql

Fct_Ops_Risk_Summary_u.sql
Fct_Reporting_Group_Input_u.sql
Fct_Reporting_Group_Output_u.sql
Fct_Risk_Type_Score_Le_u.sql
Fct_Risk_Type_Score_Lob_u.sql
Fct_Securitization_Activity_u.sql
Fct_Securitization_Pool_u.sql
Fct_Securitization_Tranche_u.sql
Fct_Sec_Exposures_u.sql
Fct_Sec_Inception_Data_u.sql
Fct_Standard_Acct_Head_u.sql
Fct_Yield_Curve_u.sql
FSI_PARTY_ROLE_MAP_u.sql
Risk_Position_Mapping_u.sql
Fct_Equity_Exposures_u.sql

Recompile all functions, procedures, views, materialized views in atomic schema.

Assumptions

- If the data model is enhanced beyond standard out of box Basel application, post installation scripts will not take care of restoring the data for the customization.
- To change the default values, you have to modify the scripts in Migration\scripts\atomic\insert folder, and then proceed using the migration utility.
- The mapping between Basel Issuer type and Standard party type is present in the LOOKUP_BASEL_ISSUER_TYPE.sql and the mapping between Issuer type and Party type is present in the LOOKUP_ISSUER_TYPE.sql. These mappings are done based on the scripts given out of box. If any customizations are done, then these scripts will have to be modified accordingly.
- The N_STD_MITIGANT_TYPE_SKEY column of FCT_MITIGANTS will be populated with NULL and the F_ELIGIBILITY_FLAG will be set to 'N' for the ineligible collaterals.
- FCT_COMMOM_ACCOUNT_SUMMARY and FCT_REG_CAP_ACCOUNT_SUMMARY are not restored by the migration kit. They need to be migrated separately.
- Post migration, verify if all the above mentioned back up tables are restored.
- After verification, you have to execute the post_instalation_drop_backup_tables.sql file present in the Migration\scripts\atomic\create folder to drop the backup tables, in atomic schema.

Oracle Financial Services Basel Regulatory Capital Analytics Release 6.0.0.0.0 comes with specific data model changes. It includes the columns listed below with suggested set of default values.

Table Name	Column Name	Suggested Default Value	Comments
Fct_Calc_Acct_Head	v_risk_type_code	'OTH'	In 6.0, same standard account head line item can be there under CR and MR (Investment in Own Shares in CET1 Capital, for instance). Hence this is part of PK. In 5.3, this is not a case and Risk type is immaterial, therefore defaulted with OTH.
Fct_Entity_Info	v_ccy_code	'USD'	This column stores the currency code in which the financial attributes of the entities are denoted
Fct_Market_Risk_Forex	n_entity_skey	The skey of parent level consolidation entity is populated	Data need to be captured entity wise in 6.0.0.0.0. Restoration scripts defaults the consolidating entity as the entity code for 5.3
Fct_Operational_Loss	v_ccy_code	'USD'	This column stores the currency code in which the amounts are denoted
Fct_Ops_Risk_Data	v_ccy_code	'USD'	This column stores the currency code in which the amounts are denoted
Fct_Reporting_Group_Input	v_ccy_code	'USD'	This column stores the currency code in which the amounts are denoted
Fct_Sec_Inception_Data	n_entity_skey	The skey of parent level consolidation entity is populated	Data need to be captured entity wise in 6.0.0.0.0. Restoration scripts defaults the consolidating entity as the entity code for 5.3
Fct_Sec_Inception_Data	v_ccy_code	'USD'	This column stores the currency code in which the amounts are denoted
Fct_Securitization_Activity	n_entity_skey	The skey of parent level consolidation entity is populated	Data need to be captured entity wise in 6.0.0.0.0. Restoration scripts defaults the consolidating entity as the entity code for 5.3
Fct_Securitization_Activity	v_ccy_code	'USD'	This column stores the currency code in which the amounts are denoted
Fct_Securitization_Pool	n_entity_skey	The skey of parent level consolidation entity is populated	Data need to be captured entity wise in 6.0.0.0.0. Restoration scripts defaults the consolidating entity as the entity code for 5.3
Fct_Securitization_Pool	v_ccy_code	'USD'	This column stores the currency code in which the amounts are denoted
Fct_Securitization_Tranche	n_entity_skey	The skey of parent level consolidation entity is	Data need to be captured entity wise in 6.0.0.0.0. Restoration

Table Name	Column Name	Suggested Default Value	Comments
		populated	scripts defaults the consolidating entity as the entity code for 5.3
Fct_Securitization_Tranche	v_ccy_code	'USD'	This column stores the currency code in which the amounts are denoted
Fct_Standard_Acct_Head	n_entity	The key of parent level consolidation entity is populated	Data need to be captured entity wise in 6.0.0.0.0. Restoration scripts defaults the consolidating entity as the entity code for 5.3

Additional Information

Suggested Data Migration activities for upgrade from Oracle Financial Services Basel II Regulatory Capital Analytics Release 5.3 to Oracle Financial Services Basel Regulatory Capital Analytics Release 6.0.0.0.0 for:

- With Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v7.3.2.2.0 and with Oracle Financial Services Basel Regulatory Capital Analytics application Release 6.0.0.0.0.

Steps for migration:

- Following are the scripts which have to be executed in order for migration in addition to the application scripts:
 - Fct_Nettable_Pool_extra_u.sql
 - Fct_Non_Sec_Exposure_extra_u.sql
- If the scripts does not execute successfully, then migration_rollback.sql from Migration/scripts folder needs to be executed, followed by the previous step.
- Following seeded data script needs to be added from Seeded data:

S No.	SEEDED DATA
1	dim_conc_measure
2	dim_conc_type
3	dim_finma_noga
4	dim_ifsb_contract_type
5	dim_limit_type
6	dim_lr_irr_banking_book
7	dim_risk_type
8	var_parameter_master
9	sessionVariables_Insert

- Following scripts need to be executed from scripts>views:

S No.	VIEW
1	1-RPT_SMRY_CR_NON_SEC_EQUITY.sql
2	2-RPT_SMRY_CR_SECURITIZATION.sql
3	3-VW_OUTFLOWS.sql
4	4-VW_INFLOWS.sql
5	5-ALTER_MATERIALIZED_VIEW_FOR_NOLOGGING_Script.sql
6	6-REFRESH_MATERIALIZED_VIEW_Script.sql
7	VW_CAPITAL_SHEET_1.sql
8	VW_CONC_RISK_CALC_CUST.sql
9	VW_CONC_RISK_CALC_CUST_LIM.sql
10	VW_CONC_RISK_CALC_CUST_UNC.sql
11	VW_CONC_RISK_CALC_GEOG.sql
12	VW_CONC_RISK_CALC_GEOG_LIM.sql
13	VW_CONC_RISK_CALC_GEOG_UNC.sql
14	VW_CONC_RISK_CALC_IND.sql
15	VW_CONC_RISK_CALC_IND_LIM.sql
16	VW_CONC_RISK_CALC_IND_UNC.sql
17	vw_conc_risk_calc_lob.sql
18	VW_CONC_RISK_CALC_LOB_LIM.sql
19	VW_CONC_RISK_CALC_LOB_UNC.sql
20	vw_conc_risk_output.sql
21	VW_FINMA_MR.sql
22	VW_KR01_DASH_CH_EAD.sql
23	VW_KR01_DASH_NCH_EAD.sql
24	VW_KR02_DASH_CH_EAD.sql
25	VW_KR02_DASH_NCH_EAD.sql
26	VW_KR03_DASH_CH_EAD.sql
27	VW_KR03_DASH_NCH_EAD.sql
28	VW_KR04_DASH_CH_EAD.sql
29	VW_KR04_DASH_NCH_EAD.sql
30	vw_pr2_map_items.sql
31	VW_PR2_MASTER.sql
32	VW_PR2_RUN_REQUEST.sql
33	VW_QUARTILE_CALCULATION_01_CH.sql
34	VW_QUARTILE_CALCULATION_01_NCH.sql
35	VW_QUARTILE_CALCULATION_02_CH.sql
36	VW_QUARTILE_CALCULATION_02_NCH.sql
37	VW_QUARTILE_CALCULATION_03_CH.sql
38	VW_QUARTILE_CALCULATION_03_NCH.sql
39	VW_QUARTILE_DASH_01_CH.sql
40	VW_QUARTILE_DASH_01_NCH.sql
41	VW_QUARTILE_DASH_02_CH.sql

S No.	VIEW
42	VW_QUARTILE_DASH_02_NCH.sql
43	VW_QUARTILE_DASH_03_CH.sql
44	VW_QUARTILE_DASH_03_NCH.sql
45	VW_QUARTILE_DASH_04_CH.sql
46	VW_QUARTILE_DASH_04_NCH.sql
47	VW_RUN_RULE_MAPPING.sql



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