Oracle Utilities Meter Data Management Extractors and Schema

Data Mapping Guide

Release 2.4.1

E39948-01

May 2013

ORACLE

Data Mapping Guide for Oracle Utilities Meter Data Management Extractors and Schema

E39948-01

Contents

Chapter 3

Preface

This guide provides the data mapping information for Oracle Utilities Meter Data Management extractors and schema.

Audience

This guide is intended for all implementers of Oracle Utilities Meter Data Management Business Intelligence.

Related Documents

For more information, see the following documents:

- *Oracle Utilities Advanced Spatial and Operational Analytics Installation Guide*
- *Oracle Utilities Advanced Spatial and Operational Analytics Quick Install Guide*
- *Oracle Utilities Advanced Spatial and Operational Analytics Release Notes*
- *Oracle Utilities Advanced Spatial and Operational Analytics User's Guide*
- *Oracle Utilities Advanced Spatial and Operational Analytics Administration Guide*

See Also:

- *Oracle Utilities Business Intelligence V2.4.0 Server Administration Guide*
- *Oracle Utilities Application Framework V4.1 Business Process Guide*
- *Oracle Utilities Application Framework V4.1 Administration Guide*
- Oracle Utilities Meter Data Management Documentation Library

Notational Conventions

The following notational conventions are used in this document:

Notation	Indicates
boldface	Graphical user interface elements associated with an action, terms defined in text, or terms defines in the glossary
italic	Book titles, emphasis, or placeholder variables for which you supply particular values

Notation	Indicates
monospace	Commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter

Chapter 1

Overview

This guide provides the data mapping for Oracle Utilities Meter Data Management extractors and schema. It describes the data mapping between the source systems and the target, and the rules of data transformation for Oracle Utilities Meter Data Analytics.

The guide captures the business rules, the data flow mapping, and the data movement requirements.

Terminologies

The following terms are used for the data maps contained in this document.

<Presentation Table Name>

The Presentation Table Name lists the default name of the object in OBIEE when no customer modifications have been made to the name of the table. This is the default label seen in answers.

Properties

The Properties table lists properties of the table independent of each field. The following properties are listed in the table:

Property	Value
Load Table Name	Name of the data warehouse table that the extract file will be loaded into
Table Type	Fact or Dimension
Source System Driver Table	Name of the table in source database from which data is extracted
Source Extendable Lookup Name	Name of the source extended lookup
Source System Extract Program	Name of the program that creates the extract file
SCD Type	1 - Existing records are updated directly 2 - Existing records are marked inactive and new records are inserted from the staging file
Fact Type	Whether this is a snapshot or transactional fact table

Property	Value
Stage Table Name	Name of the table in the BI target database that can be used to query the data records from the staging file
Stage File name	Operating system file name that will contain the data records to be loaded into the table. The filename will end in '.DAT'
Control Table Name	Name of the table in the Oracle database that can be used to query the record from the control file
Control File Name	Name of the operating system file that is used as the control file in the extraction. The filename will end in '.CTL'. Control file stores the record count and batch control information. It is used in load validation.
Update Procedure Name	The name of an Oracle procedure that will be used run prior to loading records from the staging data file. Used by Type 2 dimensions to update the Effective End Date value for records that exist in the staging file.
OWB Map Name	Name of the mapping that loads records from the staging file into the database table
OWB Work Flow Name	Name of the process flow that will process the next available staging file and load the records in there into the database table
OWB Work Flow Package Name	Name of the process flow package that contains the process flow
Extract Procedure	Name of the extract program that creates the extract files

Fields

The Fields table lists the individual properties of each field in the Presentation Table or the Database Table. The following fields are listed in the tables:

Property	Value
Extract Field	Name of the field in the staging file that stores this data
Length	Length of the extract field in the staging file
Source	Field from source application or stage table or calculation is used to populate the extract field. If blank, then there is no default population of the field in the MDM extracts. If the field is from the source system driver table, then only the field name is mentioned. If the field is from the edge application, then it is prefixed by the edge application table name.
Column	Name of the column in the database table. If blank, then the field is not present in the database table, but is only available from OBIEE.
OBIEE Field	Name of the field in the OBIEE Presentation folder. If blank, then the field is not available by default in OBIEE.
Load	How the data is populated. If the Column field is entered, then this is how the data is loaded in OWB. If the column field is empty, then this contains the calculation in OBIEE that is used by the column.

Chapter 2

Oracle Utilities Meter Data Management Business Intelligence Data Maps

This chapter contains data maps for the following Oracle Utilities Meter Data Management data:

- **Dimension Extract Programs**
- **Fact Extract Programs**
- **Oracle Utilities Meter Data Management Objects Referenced in Business Intelligence**
- **Dimension Table Schema**
- **Fact Table Schema**

Dimension Extract Programs

Consumption Snapshot Type Dimension

This extract program retrieves values from the Extendable Lookup table in the Oracle Utilities Meter Data Management source system to populate the Consumption Snapshot Type dimension.

Properties

Property	Value
Load Table Name	CD_CONS_TYPE
Table Type	Dimension
Source System Driver Table	F1_EXT_LOOKUP_VAL
Source Extendable Lookup Name	D2-ConsumptionSnapshotTypeLkup
Source System Extract Program - Initial Load	D2-CSTIL
Source System Extract Program - Extract	D2-CSTDX
Stage Table Name	STG_CONS_TYPE_EXT
Stage File Name	D_CONS_TYPE_EXT.DAT
Control Table Name	STG_CONS_TYPE_CTL_EXT
Control File name	D_CONS_TYPE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_CONS_TYPE
OWB Work Flow Name	OUBIWF_D_CONS_TYPE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
CONSUM_SNAPSHOT_TYPE_CD	30	F1_EXT_LOOKUP_VALUE
CONSUM_SNAPSHOT_TYPE_DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR_OVRD / F1_EXT_LOOKUP_VAL_L.DESCR **Note:** If the override description is not available, the regular description is extracted.
UDF1_CD	30	

Extract Field	Length	Source
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Meter Device Dimension

This extract program retrieves values from the Device table in the Oracle Utilities Meter Data Management source system to populate the Meter Device dimension.

Properties

Property	Value
Load Table Name	CD_MTR_DEVICE
Table Type	Dimension
Source System Driver Table	D1_DVC
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-DVCIL

Property	Value
Source System Extract Program - Extract	D1-DVCDX
Stage Table Name	STG_MTR_DEVICE_EXT
Stage File Name	D_MTR_DEVICE_EXT.DAT
Control Table Name	STG_MTR_DEVICE_CTL_EXT
Control File name	D_MTR_DEVICE_EXT.CTL
Update Procedure Name	OUBI_MTR_DEVICE_UPD_PRC
OWB Map Name	OUBIMAP_D_MTR_DEVICE
OWB Work Flow Name	OUBIWF_D_MTR_DEVICE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
DEVICE_ID	30	D1_DVC.D1_DEVICE_ID
DEVICE_INFO_STR	254	Info String from Device FK Ref
DEVICE_TYPE_CD	30	D1_DVC.DEVICE_TYPE_CD
DEVICE_TYPE_DESC	100	D1_DVC_TYPE_L.DESCR100
MANUFACTURER_CD	30	D1_DVC.MANUFACTURER_CD
MANUFACTURER_DESC	100	D1_MANUFACTURER_L.DESCR100
MODEL_CD	30	D1_DVC.D1_MODEL_CD
MODEL_DESC	100	D1_MODEL_L.DESCR100
HEAD_END_CD	30	D1_DVC.D1_SPR_CD / D1_DVC_TYPE.D1_SPR_CD
HEAD_END_DESC	100	D1_SPR_l.DESCR100
DEVICE_CAT	4	F1_BUS_OBJ_OPT.BUS_OBJ_OPT_VAL **Note**: The Device Category is the BO Option Value for BO Option "Device Category". The valid values come from lookup DEVICE_CATEGORY_FLG.

Extract Field	Length	Source
DEVICECAT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Measuring Component Dimension

This extract program retrieves values from the Measuring Component table in the Oracle Utilities Meter Data Management source system to populate the Measuring Component dimension.

Properties

Property	Value
Load Table Name	CD_MC

Property	Value
Table Type	Dimension
Source System Driver Table	D1_MEASR_COMP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-MCIL
Source System Extract Program - Extract	D1-MCDX
Stage Table Name	STG_MC_EXT
Stage File Name	D_MC_EXT.DAT
Control Table Name	STG_MC_CTL_EXT
Control File name	D_MC_EXT.CTL
Update Procedure Name	OUBI_MC_UPD_PRC
OWB Map Name	OUBIMAP_D_MC
OWB Work Flow Name	OUBIWF_D_MC
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
MC_ID	30	D1_MEASR_COMP.MEASR_COMP_ID
MC_INFO_STR	254	Info String from Measuring Component FK Ref
MC_TYPE_CD	30	D1_MEASR_COMP.MEASR_COMP_TYPE_CD
MC_TYPE_DESC	100	D1_MEASR_COMP_TYPE_L.DESCR100
DEVICE_CONFIG_TYPE_CD	30	D1_DVC_CFG.DEVICE_CONFIG_TYPE_CD
DEVICE_CONFIG_TYPE_DESC	100	D1_DVC_CFG_TYPE_L.DESCR100
SERVICE_TYPE_CD	30	D1_MEASR_COMP_TYPE.D1_SVC_TYPE_CD
SERVICE_TYPE_DESC	100	D1_SVC_TYPE_L.DESCR100

Extract Field	Length	Source
VEE_GRP_CD	30	D1_MEASR_COMP_VEE_GROUP.VEE_GRP_CD/ D1_MEASR_COMP_TYPE_VEE_GRP.VEE_GRP_CD **Note**: This is the initial load VEE Group from either the measuring component (override) or the measuring component type (fallback).
VEE_GRP_DESC	100	D1_VEE_GRP_L.DESCR100
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Provider Dimension

This extract program retrieves values from the Service Provider table in the Oracle Utilities Meter Data Management source system to populate the Service Provider dimension. It only extracts the market participant service providers.

Properties

Property	Value
Load Table Name	CD_SPR
Table Type	Dimension
Source System Driver Table	D1_SPR
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-SPRIL
Source System Extract Program - Extract	D1-SPRDX
Stage Table Name	STG_SPR_EXT
Stage File Name	D_SPR_EXT.DAT
Control Table Name	STG_SPR_CTL_EXT
Control File name	D_SPR_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_SPR
OWB Work Flow Name	OUBIWF_D_SPR
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
SERVICE_PROV	30	D1_SPR.D1_SPR_CD
SERVICE_PROV_INFO_STR	254	Info String from Service Provider FK Ref
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	

Extract Field	Length	Source
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Point Dimension

This extract program retrieves values from the Service Point table in the Oracle Utilities Meter Data Management source system to populate the Service Point dimension.

Properties

Property	Value
Load Table Name	CD_SP
Table Type	Dimension
Source System Driver Table	D1_SP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-SPIL **Note**: This is a common batch control which extracts the data for Service Point and Address dimensions, and Service Point accumulation fact.
Source System Extract Program - Extract	D1-SPDX
Stage Table Name	STG_SP_EXT
Stage File Name	D_SP_EXT.DAT
Control Table Name	STG_SERV_POINT_CTL_EXT
Control File name	D_SP_EXT.CTL
Update Procedure Name	OUBI_SP_UPD_PRC
OWB Map Name	OUBIMAP_D_SP

Property	Value
OWB Work Flow Name	OUBIWF_D_SP
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
SERVICE_POINT_ID	30	D1_SP.D1_SP_ID
SERVICE_POINT_INFO_STR	254	Info String from Service Point FK Ref
SERVICE_POINT_TYPE_CD	30	D1_SP.D1_SP_TYPE_CD
SERVICE_POINT_TYPE_DESC	100	D1_SP_TYPE_L.DESCR100
SERVICE_TYPE_CD	30	D1_SP_TYPE.D1_SVC_TYPE_CD
SERVICE_TYPE_DESC	100	D1_SVC_TYPE_L.DESCR100
MARKET_CD	30	D1_SP.MKT_CD
MARKET_DESC	100	D1_MKT_L.DESCR100
FAC_LVL1_CD	30	
FAC_LVL1_DESC	100	
FAC_LVL2_CD	30	
FAC_LVL2_DESC	100	
FAC_LVL3_CD	30	
FAC_LVL3_DESC	100	
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	

Extract Field	Length	Source
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Address Dimension

This extract program retrieves values from the Service Point table in the Oracle Utilities Meter Data Management source system to populate the Address dimension.

Properties

Property	Value
Load Table Name	CD_ADDR
Table Type	Dimension
Source System Driver Table	D1_SP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-SPIL **Note**: This is a common batch program which extracts the data for Service Point and Address dimensions, and Service Point accumulation fact.
Source System Extract Program - Extract	D1-ADRDX
Stage Table Name	STG_ADDR_EXT
Stage File Name	D_ADDR_EXT.DAT
Control Table Name	STG_ADDR_CTL_EXT
Control File name	D_ADDR_EXT.CTL
Update Procedure Name	SPL_ADDR_UPD_PRC
OWB Map Name	SPLMAP_D_ADDR

Property	Value
OWB Work Flow Name	SPLWF_D_ADDR
OWB Work Flow Package Name	DIM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
ADDRESS_ID	254	D1_SP.D1_SP_ID
ADDRESS_LINE1	254	D1_SP.ADDRESS1
ADDRESS_LINE2	254	D1_SP.ADDRESS2
ADDRESS_LINE3	254	D1_SP.ADDRESS3
ADDRESS_LINE4	254	D1_SP.ADDRESS4
CROSS_STREET	100	
SUBURB	100	
CITY	60	D1_SP.CITY
COUNTY	60	D1_SP.COUNTY
POSTAL	12	D1_SP.POSTAL
STATE_CD	6	D1_SP.STATE
STATE_DESC	100	CI_STATE_L.DESCR
COUNTY_CD	3	D1_SP.COUNTRY
COUNTY_DESC	100	CI_COUNTRY_L.DESCR
GEO_CD	11	D1_SP.GEO_CODE
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	

Extract Field	Length	Source
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID
DESC_ADDRESS	254	Info String from Address

Usage Subscription Dimension

This extract program retrieves values from the Usage Subscription table in the Oracle Utilities Meter Data Management source system to populate the Usage Subscription dimension.

Properties

Property	Value
Load Table Name	CD_US
Table Type	Dimension
Source System Driver Table	D1_US
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-USIL
Source System Extract Program - Extract	D2-USDX
Stage Table Name	STG_US_EXT
Stage File Name	D_US_EXT.DAT
Control Table Name	STG_US_CTL_EXT
Control File name	D_US_EXT.CTL
Update Procedure Name	OUBI_US_UPD_PRC
OWB Map Name	OUBIMAP_D_US

Property	Value
OWB Work Flow Name	OUBIWF_D_US
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
USAGE_SUBS_ID	30	D1_US.US_ID
USAGE_SUBS_DESC	254	Info String from US FK Ref
USAGE_SUBS_TYPE_CD	30	D1_US.US_TYPE_CD
USAGE_SUBS_TYPE_DESC	100	D1_US_TYPE_L.DESCR100
EXTERNAL_ID	60	D1_US_IDENTIFIER.ID_VALUE **Note**: This field is extracted from the US Identifier row where the Identifier Type Flag is the one configured in the External System ID Mapping as the identifier type for the Entity CIS Service Agreement.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	

Extract Field	Length	Source
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Usage Group Subscription Dimension

This extract program retrieves values from the Usage Group table in the Oracle Utilities Meter Data Management source system to populate the Usage Group dimension.

Properties

Property	Value
Load Table Name	CD_USAGE_GROUP
Table Type	Dimension
Source System Driver Table	D1_USG_GRP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-UGIL
Source System Extract Program - Extract	D2-UGDX
Stage Table Name	STG_USAGE_GROUP_EXT
Stage File Name	D_USAGE_GROUP_EXT.DAT
Control Table Name	STG_USAGE_GROUP_CTL_EXT
Control File name	D_USAGE_GROUP_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_USAGE_GROUP
OWB Work Flow Name	OUBIWF_D_USAGE_GROUP
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted

Extract Field	Length	Source
USAGE_GRP_CD	30	D1_USG_GRP.USG_GRP_CD
USAGE_GRP_DESC	254	D1_USG_GRP_l.DESCR100
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Contact Dimension

This extract program retrieves values from the Contact table in the Oracle Utilities Meter Data Management source system to populate the Contact dimension.

Properties

Property	Value
Load Table Name	CD_CONTACT
Table Type	Dimension

Property	Value
Source System Driver Table	D1_CONTACT
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-CONIL
Source System Extract Program - Extract	D2-CONDX
Stage Table Name	STG_CONTACT_EXT
Stage File Name	D_CONTACT_EXT.DAT
Control Table Name	STG_CONTACT_CTL_EXT
Control File name	D_CONTACT_EXT.CTL
Update Procedure Name	OUBI_CONTACT_UPD_PRC
OWB Map Name	OUBIMAP_D_CONTACT
OWB Work Flow Name	OUBIWF_D_CONTACT
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
CONTACT_ID	30	D1_CONTACT.CONTACT_ID
CONTACT_DESC	254	Info String from Contact FK Ref
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	

Extract Field	Length	Source
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	D1_USG_GRP_l.DESCR100

Measurement Condition Dimension

This extract program retrieves values from the Extendable Lookup table in the Oracle Utilities Meter Data Management source system to populate the Measurement Condition dimension.

Properties

Property	Value
Load Table Name	CD_MSRMT_COND
Table Type	Dimension
Source System Driver Table	F1_EXT_LOOKUP_VAL
Source Extendable Lookup Name	D1-MeasurementConditionLookup
Source System Extract Program - Initial Load	D2-MRCIL
Source System Extract Program - Extract	D2-MRCDX
Stage Table Name	STG_MSRMT_COND_EXT
Stage File Name	D_MSRMT_COND_EXT.DAT
Control Table Name	STG_MSRMT_COND_CTL_EXT
Control File name	D_MSRMT_COND_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_MSRMT_COND
OWB Work Flow Name	OUBIWF_D_MSRMT_COND
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
MEASUREMENT_COND_CD	30	F1_EXT_LOOKUP_VALUE
MEASUREMENT_COND_DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR_OVRD / F1_EXT_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
MEASUREMENT_COND_CAT_CD	4	F1_EXT_LOOKUP_VAL.BO_DATA_AREA **Note**: The XML element <measurementConditionCategory> is extracted from this CLOB column.
MEASUREMENT_COND_CAT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	

Extract Field	Length	Source
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Unit of Measure/Time of Use Dimension

This extract program retrieves values from the Unit of Measure and Time of Use tables in the Oracle Utilities Meter Data Management source system to populate the Unit of Measure/Time of Use dimension.

Properties

Property	Value
Load Table Name	CD_UOM_TOU
Table Type	Dimension
Source System Driver Table	D1_UOM, D1_TOU
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-UTIL
Source System Extract Program - Extract	D2-UTIL
Stage Table Name	STG_UOM_TOU_EXT
Stage File Name	D_UOM_TOU_EXT.DAT
Control Table Name	STG_UOM_TOU_CTL_EXT
Control File name	D_UOM_TOU_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_UOM_TOU
OWB Work Flow Name	OUBIWF_D_UOM_TOU
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
UOM_CD	30	D1_UOM.D1_UOM_CD

Extract Field	Length	Source
UOM_INFO_STR	254	Info String from UOM FK Ref
TOU_CD	30	D1_TOU.D1_TOU_CD
TOU_DESC	254	Info String from TOU FK Ref
SERVICE_TYPE_CD	30	D1_UOM.D1_SVC_TYPE_CD
SERVICE_TYPE_DESC	100	D1_SVC_TYPE_L.DESCR100
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Installation Event Business Object Status Dimension

This extract program retrieves valid BO/Status/Reason combinations for instantiable Installation Event Business Objects in the Oracle Utilities Meter Data Management source system to populate the Installation Event Business Object Status dimension.

Properties

Property	Value
Load Table Name	CD_IE_STATUS
Table Type	Dimension
Source System Driver Table	F1_BUS_OBJ
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-IESIL
Source System Extract Program - Extract	D1-IESDX
Stage Table Name	STG_IE_STATUS_EXT
Stage File Name	D_IE_STATUS_EXT.DAT
Control Table Name	STG_IE_STATUS_CTL_EXT
Control File name	D_IE_STATUS_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_IE_STATUS
OWB Work Flow Name	OUBIWF_D_IE_STATUS
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
BO_CD	30	F1_BUS_OBJ.BUS_OBJ_CD
BO_DESC	100	F1_BUS_OBJ_L.DESCR
STATUS_CD	12	F1_BUS_OBJ_STATUS.BO_STATUS_CD
STATUS_DESC	100	F1_BUS_OBJ_STATUS_L.DESCR
REASON_CD	30	F1_BUS_OBJ_STATUS_RSN.BO_STATUS_REASON_CD
REASON_DESC	100	F1_BUS_OBJ_STATUS_RSN_L.DESCR
STATUS_COND_CD	4	F1_BUS_OBJ_STATUS.BO_STATUS_COND_FLG
STATUS_COND_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	

Extract Field	Length	Source
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Point Business Object Status Dimension

This extract program retrieves valid BO/Status/Reason combinations for instantiable Service Point Business Objects in the Oracle Utilities Meter Data Management source system to populate the Service Point Business Object Status dimension.

Properties

Property	Value
Load Table Name	CD_SP_STATUS
Table Type	Dimension
Source System Driver Table	F1_BUS_OBJ
Source Extendable Lookup Name	

Property	Value
Source System Extract Program - Initial Load	D1-SPSIL
Source System Extract Program - Extract	D1-SPSDX
Stage Table Name	STG_SP_STATUS_EXT
Stage File Name	D_SP_STATUS_EXT.DAT
Control Table Name	STG_SP_STATUS_CTL_EXT
Control File name	D_SP_STATUS_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_SP_STATUS
OWB Work Flow Name	OUBIWF_D_SP_STATUS
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
BO_CD	30	F1_BUS_OBJ.BUS_OBJ_CD
BO_DESC	100	F1_BUS_OBJ_L.DESCR
STATUS_CD	12	F1_BUS_OBJ_STATUS.BO_STATUS_CD
STATUS_DESC	100	F1_BUS_OBJ_STATUS_L.DESCR
REASON_CD	30	F1_BUS_OBJ_STATUS_RSN.BO_STATUS_REASON_CD
REASON_DESC	100	F1_BUS_OBJ_STATUS_RSN_L.DESCR
STATUS_COND_CD	4	F1_BUS_OBJ_STATUS.BO_STATUS_COND_FLG
STATUS_COND_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	

Extract Field	Length	Source
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Days Since Last Normal Measurement Dimension

This extract program retrieves values from the Extendable Lookup table in the Oracle Utilities Meter Data Management source system to populate the Days Since Last Normal Measurement dimension.

Properties

Property	Value
Load Table Name	CD_DAYS_LAST_MSRMT
Table Type	Dimension
Source System Driver Table	F1_EXT_LOOKUP_VAL
Source Extendable Lookup Name	D1-DaysSinceLastNormalMsrmtLkp
Source System Extract Program - Initial Load	D1-LNMIL
Source System Extract Program - Extract	D1-LNMDX
Stage Table Name	STG_DAYS_LAST_MSRMT_EXT
Stage File Name	D_DAYS_LAST_MSRMT_EXT.DAT

Property	Value
Control Table Name	STG_DAYS_LAST_MSRMT_CTL_EXT
Control File name	D_DAYS_LAST_MSRMT_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_DAYS_LAST_MSRMT
OWB Work Flow Name	OUBIWF_D_DAYS_LAST_MSRMT
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
DAYS_LAST_MEASRMT_CD	30	F1_EXT_LOOKUP_VALUE
DAYS_LAST_MEASRMT_DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR_OVRD / F1_EXT_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	

Extract Field	Length	Source
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Exception Type Dimension

This extract program retrieves values from the Exception Type table in the Oracle Utilities Meter Data Management source system to populate the Exception Type dimension.

Properties

Property	Value
Load Table Name	CD_EXCP_TYPE
Table Type	Dimension
Source System Driver Table	D1_EXCP_TYPE
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-EXTIL
Source System Extract Program - Extract	D2-EXTDX
Stage Table Name	STG_EXCP_TYPE_EXT
Stage File Name	D_EXCP_TYPE_EXT.DAT
Control Table Name	STG_EXCP_TYPE_CTL_EXT
Control File name	D_EXCP_TYPE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_EXCP_TYPE
OWB Work Flow Name	OUBIWF_D_EXCP_TYPE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted

Extract Field	Length	Source
EXCP_TYPE_CD	30	D1_EXCP_TYPE.EXCP_TYPE_CD
EXCP_TYPE_DESC	254	Info String from Exception Type FK Ref
REPRT_CAT_CD	4	D1_EXCP_TYPE.D1_REPORTING_CAT_FLG
REPRT_CAT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Initial Measurement Data Type Dimension

This extract program retrieves values from the Lookup INT_MSRMT_DATA_TYPE_FLG in the Oracle Utilities Meter Data Management source system to populate the Initial Measurement Data Type dimension.

Properties

Property	Value
Load Table Name	CD_IMD_TYPE
Table Type	Dimension
Source System Driver Table	CI_LOOKUP_VAL
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-ITLIL
Source System Extract Program - Extract	D2-ITLIL
Stage Table Name	STG_IMD_TYPE_EXT
Stage File Name	D_IMD_TYPE_EXT.DAT
Control Table Name	STG_IMD_TYPE_CTL_EXT
Control File name	D_IMD_TYPE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_IMD_TYPE
OWB Work Flow Name	OUBIWF_D_IMD_TYPE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
IMD_TYPE_CD	4	CI_LOOKUP_VAL.FIELD_VALUE
IMD_TYPE_DESC	100	CI_LOOKUP_VAL_L.DESCR
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Exception Severity Dimension

This extract program retrieves values from the Lookup EXCP_SEVERITY_FLG in the Oracle Utilities Meter Data Management source system to populate the Exception Severity dimension.

Properties

Property	Value
Load Table Name	CD_EXCP_SEV
Table Type	Dimension
Source System Driver Table	CI_LOOKUP_VAL
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-EXLIL
Source System Extract Program - Extract	D2-EXLIL
Stage Table Name	STG_EXCP_SEV_EXT
Stage File Name	D_EXCP_SEV_EXT.DAT
Control Table Name	STG_EXCP_SEV_CTL_EXT
Control File name	D_EXCP_SEV_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_EXCP_SEV
OWB Work Flow Name	OUBIWF_D_EXCP_SEV
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
SEVERITY_CD	4	CI_LOOKUP_VAL.FIELD_VALUE
SEVERITY_DESC	100	CI_LOOKUP_VAL_L.DESCR
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

VEE Rule Dimension

This extract program retrieves values from the VEE Rule table in the Oracle Utilities Meter Data Management source system to populate the VEE Rule dimension.

Properties

Property	Value
Load Table Name	CD_VEE_RULE

Property	Value
Table Type	Dimension
Source System Driver Table	D1_VEE_RULE
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-VERIL
Source System Extract Program - Extract	D2-VERDX
Stage Table Name	STG_VEE_RULE_EXT
Stage File Name	D_VEE_RULE_EXT.DAT
Control Table Name	STG_VEE_RULE_CTL_EXT
Control File name	D_VEE_RULE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_VEE_RULE
OWB Work Flow Name	OUBIWF_D_VEE_RULE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
VEE_GRP_CD	30	D1_VEE_RULE.VEE_GRP_CD
VEE_GRP_DESC	254	Info String from VEE Group FK Ref
VEE_RULE_CD	30	D1_VEE_RULE.VEE_RULE_CD
VEE_RULE_DESC	254	Info String from VEE Rule FK Ref
VEE_RULE_CAT_CD	4	D1_VEE_RULE.VEE_RULE_CAT_FLG
VEE_RULE_CAT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	

Extract Field	Length	Source
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Device Activity Business Object Status Dimension

This extract program retrieves valid BO/Status/Reason combinations for instantiable Device Activity Business Objects in the Oracle Utilities Meter Data Management source system to populate the Device Activity Business Object Status dimension.

Properties

Property	Value
Load Table Name	CD_DEVICE_ACTIVITY_STATUS
Table Type	Dimension
Source System Driver Table	F1_BUS_OBJ
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-ACSIL
Source System Extract Program - Extract	D1-ACSDX
Stage Table Name	STG_DEVICE_ACTIVITY_STATUS_EXT
Stage File Name	D_DEVICE_ACTIVITY_STATUS_EXT.DAT

Property	Value
Control Table Name	STG_DEV_ACT_STA_CTL_EXT
Control File name	D_DEVICE_ACTIVITY_STATUS_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_DEVICE_ACTIVITY_STATUS
OWB Work Flow Name	OUBIWF_D_DEVICE_ACTIVITY_STATUS
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
BO_CD	30	F1_BUS_OBJ.BUS_OBJ_CD
BO_DESC	100	F1_BUS_OBJ_L.DESCR
STATUS_CD	12	F1_BUS_OBJ_STATUS.BO_STATUS_CD
STATUS_DESC	100	F1_BUS_OBJ_STATUS_L.DESCR
REASON_CD	30	F1_BUS_OBJ_STATUS_RSN.BO_STATUS_REASON_CD
REASON_DESC	100	F1_BUS_OBJ_STATUS_RSN_L.DESCR
STATUS_COND_CD	4	F1_BUS_OBJ_STATUS.BO_STATUS_COND_FLG
STATUS_COND_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	

Extract Field	Length	Source
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Device Activity Type Dimension

This extract program retrieves values from the Activity Type table in the Oracle Utilities Meter Data Management source system to populate the Device Activity Type dimension.

Properties

Property	Value
Load Table Name	CD_DEVICE_ACTIVITY_TYPE
Table Type	Dimension
Source System Driver Table	D1_ACTIVITY_TYPE
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-ATYIL
Source System Extract Program - Extract	D1-ATYDX
Stage Table Name	STG_DEVICE_ACTIVITY_TYPE_EXT
Stage File Name	D_DEVICE_ACTIVITY_TYPE_EXT.DAT
Control Table Name	STG_DEV_ACT_TYPE_CTL_EXT
Control File name	D_DEVICE_ACTIVITY_TYPE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_DEVICE_ACTIVITY_TYPE

Property	Value
OWB Work Flow Name	OUBIWF_D_DEVICE_ACTIVITY_TYPE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
DEVICE_ACT_TYPE_CD	30	D1_ACTIVITY_TYPE.ACTIVITY_TYPE_CD
DEVICE_ACT_TYPE_DESC	254	Info String from Activity Type FK Ref
CAT_CD	4	D1_ACTIVITY_TYPE.ACTIVITY_TYPE_CAT_FLG
CAT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
EXT_DEVICE_ACT_CD	30	D1_ACTIVITY_TYPE.EXT_ACTIVITY_TYPE_FLG
EXT_DEVICE_ACT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	

Extract Field	Length	Source
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Device Event Business Object Status Dimension

This extract program retrieves valid BO/Status/Reason combinations for instantiable Device Event Business Objects in the Oracle Utilities Meter Data Management source system to populate the Device Event Business Object Status dimension.

Properties

Property	Value
Load Table Name	CD_DEVICE_EVT_STATUS
Table Type	Dimension
Source System Driver Table	F1_BUS_OBJ
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-DESIL
Source System Extract Program - Extract	D1-DESDX
Stage Table Name	STG_DEVICE_EVT_STATUS_EXT
Stage File Name	D_DEVICE_EVT_STATUS_EXT.DAT
Control Table Name	STG_DEVICE_EVT_STATUS_CTL_EXT
Control File name	D_DEVICE_EVT_STATUS_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_DEVICE_EVT_STATUS
OWB Work Flow Name	OUBIWF_D_DEVICE_EVT_STATUS
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
BO_CD	30	F1_BUS_OBJ.BUS_OBJ_CD
BO_DESC	100	F1_BUS_OBJ_L.DESCR
STATUS_CD	12	F1_BUS_OBJ_STATUS.BO_STATUS_CD
STATUS_DESC	100	F1_BUS_OBJ_STATUS_L.DESCR
REASON_CD	30	F1_BUS_OBJ_STATUS_RSN.BO_STATUS_REASON_CD
REASON_DESC	100	F1_BUS_OBJ_STATUS_RSN_L.DESCR
STATUS_COND_CD	4	F1_BUS_OBJ_STATUS.BO_STATUS_COND_FLG
STATUS_COND_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	

Extract Field	Length	Source
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Device Event Type Dimension

This extract program retrieves values from the Device Event Type table in the Oracle Utilities Meter Data Management source system to populate the Device Event Type dimension.

Properties

Property	Value
Load Table Name	CD_DEVICE_EVT_TYPE
Table Type	Dimension
Source System Driver Table	D1_DVC_EVT_TYPE
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-DETIL
Source System Extract Program - Extract	D1-DETDX
Stage Table Name	STG_DEVICE_EVT_TYPE_EXT
Stage File Name	D_DEVICE_EVT_TYPE_EXT.DAT
Control Table Name	STG_DEVICE_EVT_TYPE_CTL_EXT
Control File name	D_DEVICE_EVT_TYPE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_DEVICE_EVT_TYPE
OWB Work Flow Name	OUBIWF_D_DEVICE_EVT_TYPE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
DEVICE_EVNT_TYPE_CD	30	DVC_EVT_TYPE_CD
DEVICE_EVNT_TYPE_DESC	254	Info String from Device Event Type FK Ref

Extract Field	Length	Source
DEVICE_EVNT_CAT_CD	30	D1_DVC_EVT_TYPE.DVC_EVT_CAT_FLG
DEVICE_EVNT_CAT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
RPT_CAT_CD	4	D1_DVC_EVT_TYPE.D1_REPORTING_CAT_FLG
RPT_CAT_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
STANDARD_ACT_TYPE_CD	30	D1_DVC_EVT_TYPE.STD_EVT_NAME_FLG
STANDARD_ACT_TYPE_DESC	100	CI_LOOKUP_VAL_L.DESCR_OVRD / CI_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	

Extract Field	Length	Source
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Point Usage Transaction Aging Snapshot Type Dimension

This extract program retrieves values from the Extendable Lookup table in the Oracle Utilities Meter Data Management source system to populate the Service Point Usage Transaction Aging Snapshot Type dimension.

Properties

Property	Value
Load Table Name	CD_SP_UT_AGE_TYPE
Table Type	Dimension
Source System Driver Table	F1_EXT_LOOKUP_VAL
Source Extendable Lookup Name	D2-SPUTAgingSnapshotTypeLookup
Source System Extract Program - Initial Load	D2-UTAIL
Source System Extract Program - Extract	D2-UTADX
Stage Table Name	STG_SP_UT_AGE_TYPE_EXT
Stage File Name	D_SP_UT_AGE_TYPE_EXT.DAT
Control Table Name	STG_SP_UT_AGE_TYPE_CTL_EXT
Control File name	D_SP_UT_AGE_TYPE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_SP_UT_AGE_TYPE
OWB Work Flow Name	OUBIWF_D_SP_UT_AGE_TYPE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
SP_USAGE_TRANS_AGING_TYPE_CD	30	F1_EXT_LOOKUP_VALUE

Extract Field	Length	Source
SP_USAGE_TRANS_AGING_TYPE_DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR_OVRD / F1_EXT_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Days Since Last Usage Transaction Type Dimension

This extract program retrieves values from the Extendable Lookup table in the Oracle Utilities Meter Data Management source system to populate the Days Since Last Usage Transaction Type dimension.

Properties

Property	Value
Load Table Name	CD_DAYS_LASTUT_TYPE
Table Type	Dimension
Source System Driver Table	F1_EXT_LOOKUP_VAL
Source Extendable Lookup Name	D2-DaysSinceLastUTLookup
Source System Extract Program - Initial Load	D2-LUTIL
Source System Extract Program - Extract	D2-LUTDX
Stage Table Name	STG_DAYS_LASTUT_TYPE_EXT
Stage File Name	D_DAYS_LASTUT_TYPE_EXT.DAT
Control Table Name	STG_DAYS_LASTUT_TYPE_CTL_EXT
Control File name	D_DAYS_LASTUT_TYPE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_D_DAYS_LASTUT_TYPE
OWB Work Flow Name	OUBIWF_D_DAYS_LASTUT_TYPE
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
DAYS_SINCE_LAST_UT_TRANS_TYPE_CD	30	F1_EXT_LOOKUP_VALUE
DAYS_SINCE_LAST_UT_TRANS_TYPE_DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR_OVRD / F1_EXT_LOOKUP_VAL_L.DESCR **Note**: If the override description is not available, the regular description is extracted.
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	

Extract Field	Length	Source
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Unit of Measure/Time of Use/Service Quantity Identifier Dimension

This extract program retrieves values from the Unit of Measure, Time of Use, Service Quantity Identifier tables in the Oracle Utilities Meter Data Management source system to populate the Unit of Measure/Time of Use/Service Quantity Identifier dimension.

Properties

Property	Value
Load Table Name	CD_UOM_TOU_SQI
Table Type	Dimension
Source System Driver Table	D1_UOM, D1_TOU, D1_SQI
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-UTSIL
Source System Extract Program - Extract	D2-UTSIL
Stage Table Name	STG_UOM_TOU_SQI_EXT
Stage File Name	D_UOM_TOU_SQI_EXT.DAT
Control Table Name	STG_UOM_TOU_SQI_CTL_EXT
Control File name	D_UOM_TOU_SQI_EXT.CTL

Property	Value
Update Procedure Name	
OWB Map Name	OUBIMAP_D_UOM_TOU_SQI
OWB Work Flow Name	OUBIWF_D_UOM_TOU_SQI
OWB Work Flow Package Name	DIM_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
UOM_CD	30	D1_UOM.D1_UOM_CD
UOM_STR	254	Info String from UOM FK Ref
TOU_CD	30	D1_TOU.D1_TOU_CD
TOU_STR	254	Info String from TOU FK Ref
SQL_CD	30	D1_SQI.D1_SQI_CD
SQL_STR	254	Info String from SQL FK Ref
SERVICE_TYPE_CD	30	D1_UOM.D1_SVC_TYPE_CD
SERVICE_TYPE_DESC	100	D1_SVC_TYPE_L.DESCR100
UDF1_CD	30	
UDF1_DESC	60	
UDF2_CD	30	
UDF2_DESC	60	
UDF3_CD	30	
UDF3_DESC	60	
UDF4_CD	30	
UDF4_DESC	60	
UDF5_CD	30	
UDF5_DESC	60	
UDF6_CD	30	
UDF6_DESC	60	
UDF7_CD	30	
UDF7_DESC	60	

Extract Field	Length	Source
UDF8_CD	30	
UDF8_DESC	60	
UDF9_CD	30	
UDF9_DESC	60	
UDF10_CD	30	
UDF10_DESC	60	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Fact Extract Programs

Consumption Snapshot Fact

This extract program applies a TOU map (or maps) to every active service point's consumption in which every resultant TOU, measurement condition, and quantity in the Oracle Utilities Meter Data Management source system is used to populate the Consumption Snapshot fact.

Properties

Property	Value
Load Table Name	CF_CONSUMPTION
Table Type	Fact
Source System Driver Table	D1_SP, D1_MSRMT, D1_TOU_MAP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D2-SPCFX
Source System Extract Program - Extract	D2-SPCFX
Stage Table Name	STG_CONSUMPTION_EXT
Stage File Name	F_CONSUMPTION_EXT.DAT
Control Table Name	STG_CONSUMPTION_CTL_EXT
Control File name	F_CONSUMPTION_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_F_CONSUMPTION
OWB Work Flow Name	OUBIWF_F_CONSUMPTION
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
CONSUMPTION_SNAP_TYPE_CD	30	D1_SP_TYPE.BO_DATA_AREA
SERVICE_PT1_ID	30	D1_SP.D1_SP_ID
DEVICE_ID	30	D1_DVC.D1_DEVICE_ID
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD

Extract Field	Length	Source
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD **Note**: The usage group will be dynamically determined based on the configured rate history. Else, it is retrieved from the US or the Fall Back Usage Group on the US Type. This is the Usage Group of the US related to CCB.
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
MC_ID	30	D1_MSRMT.MEASR_COMP_ID
MEASUREMENT_COND_CD	30	D1_MSRMT.MSRMT_COND_FLG
UOM_CD	30	D1_SP_TYPE.BO_DATA_AREA **Note**: The <uom> element in the Consumption Snapshot Configuration group is retrieved from this CLOB column.
TOU_CD	30	D1_TOU_MAP.D1_TOU_CD
SNAPSHOT_DT	8	Value: Calculated based on batch business date and Snapshot type (Monthly or Weekly)
SNAPSHOT_TYPE	1	Values: M – Monthly, W – Weekly
QUANTITY	27	D1_MSRMT.MSRMT_VAL
NO_OF_MEASUREMENT	15	Value: Measurement count that falls within the TOU and Measurement Condition
NO_OF_MINS	15	Value: Measurement count Multiply with Seconds Per interval in minutes
UDD1_CD	16	

Extract Field	Length	Source
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	
UDM10	19	
UDDD1	8	
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	
UDDFK_ID2	254	
UDDFK_ID3	254	
UDDFK_ID4	254	
UDDFK_ID5	254	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Installation Event Fact

This extract program retrieves values from the Install Event table in the Oracle Utilities Meter Data Management source system to populate the Installation Event fact.

Properties

Property	Value
Load Table Name	CF_INSTALL_EVT
Table Type	Fact
Source System Driver Table	D1_INSTALL_EVT, D1_SP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-INEIL
Source System Extract Program - Extract	D1-INEFX
Stage Table Name	STG_INSTALL_EVT_EXT
Stage File Name	F_INSTALL_EVT_EXT.DAT
Control Table Name	STG_INSTALL_EVT_CTL_EXT
Control File name	F_INSTALL_EVT_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_F_INSTALL_EVT
OWB Work Flow Name	OUBIWF_F_INSTALL_EVT
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
INSTALL_EVENT_ID	30	D1_INSTALL_EVT.INSTALL_EVT_ID
INSTALL_EVENT_BO	30	D1_INSTALL_EVT.BUS_OBJ_CD
BO_STATUS_CD	12	D1_INSTALL_EVT.BO_STATUS_CD
STATUS_REASON_CD	30	D1_INSTALL_EVT.BO_STATUS_REASON_CD
SERVICE_POINT1_ID	30	D1_INSTALL_EVT.D1_SP_ID
DEVICE_ID	30	D1_DVC.D1_DEVICE_ID
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD

Extract Field	Length	Source
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
INSTALL_DT	8	D1_INSTALL_EVT.D1_INSTALL_DTTM
INSTALL_TIME	8	D1_INSTALL_EVT.D1_INSTALL_DTTM
INSTALL_DT_TIME	20	D1_INSTALL_EVT.D1_INSTALL_DTTM
REMOVAL_DT	8	D1_INSTALL_EVT.D1_REMOVAL_DTTM
REMOVAL_TIME	8	D1_INSTALL_EVT.D1_REMOVAL_DTTM
REMOVAL_DT_TIME	20	D1_INSTALL_EVT.D1_REMOVAL_DTTM
DURATION	15	Value: The time between installation and removal, or, if the Removal Date/Time is blank, the time between the Current Date/Time and Install Date/Time.
UDD1_CD	16	
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	

Extract Field	Length	Source
UDM10	19	
UDDD1	8	
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	
UDDFK_ID2	254	
UDDFK_ID3	254	
UDDFK_ID4	254	
UDDFK_ID5	254	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Point Fact

This extract program retrieves values from the Service Point table in the Oracle Utilities Meter Data Management source system to populate the Service Point fact.

Properties

Property	Value
Load Table Name	CF_SP
Table Type	Fact
Source System Driver Table	D1_SP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-SPIL
Source System Extract Program - Extract	D1-SPAFX
Stage Table Name	STG_SP_EXT
Stage File Name	F_SP_EXT.DAT

Property	Value
Control Table Name	STG_SP_CTL_EXT
Control File name	F_SP_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_F_ SP
OWB Work Flow Name	OUBIWF_F_ SP
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
SP_BO_CD	30	D1_SP.BUS_OBJ_CD
BO_STATUS_CD	12	D1_SP.BO_STATUS_CD
STATUS_REASON_CD	30	D1_SP.BO_STATUS_REASON_CD
INSTALL_EVENT_BO_CD	30	D1_INSTALL_EVT.BUS_OBJ_CD
BO_STATUS_CD	12	D1_INSTALL_EVT.BO_STATUS_CD
STAUS_REASON_CD	30	D1_INSTALL_EVT.BO_STATUS_REASON_CD
SERVICE_POINT1_ID	30	D1_SP.D1_SP_ID
DEVICE_ID	30	D1_DVC.D1_DEVICE_ID
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE

Extract Field	Length	Source
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
INSTALL_EVENT_HFLAG	60	D1_ON_OFF_HIST.ONOFF_HIST_FLG
SP_SOURCE_STATUS_FLAG	60	D1_SP.SP_SRC_STAT_FLG
UDD1_CD	16	
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	
UDM10	19	
UDDD1	8	
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	
UDDFK_ID2	254	
UDDFK_ID3	254	
UDDFK_ID4	254	
UDDFK_ID5	254	

Extract Field	Length	Source
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Point Snapshot Fact

This extract program retrieves values from the Service Point table in the Oracle Utilities Meter Data Management source system to populate the Service Point Snapshot fact.

Properties

Property	Value
Load Table Name	CF_SP_SNAP
Table Type	Fact
Source System Driver Table	D1_SP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	
Source System Extract Program - Extract	D1-SPSFX
Stage Table Name	STG_SP_SNAP_EXT
Stage File Name	F_SP_SNAP_EXT.DAT
Control Table Name	STG_SP_SNAP_CTL_EXT
Control File name	F_SP_SNAP_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_F_SP_SNAP
OWB Work Flow Name	OUBIWF_F_SP_SNAP
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
SP_BO_CD	30	D1_SP.BUS_OBJ_CD
SP_BO_STATUS_CD	12	D1_SP.BO_STATUS_CD
STATUS_REASON_CD	30	D1_SP.BO_STATUS_REASON_CD
INSTALL_EVENT_BO_CD	30	D1_INSTALL_EVT.BUS_OBJ_CD

Extract Field	Length	Source
IE_BO_STATUS_CD	12	D1_INSTALL_EVT.BO_STATUS_CD
STAUS_REASON_CD	30	D1_INSTALL_EVT.BO_STATUS_REASON_CD
SERVICE_POINT1_ID	30	D1_SP.D1_SP_ID
DEVICE_ID	30	D1_DVC.D1_DEVICE_ID
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
DAYS_LAST_MEASR_CD	60	F1_EXT_LOOKUP_VAL.F1_EXT_LOOKUP_VALUE
SNAPSHOT_DT	60	Value: Calculated based on batch business date and Snapshot type (Monthly or Weekly)
SNAPSHOT_TYPE		Values: M – Monthly, W – Weekly
INSTALL_EVENT_HFLAG		D1_ON_OFF_HIST.ONOFF_HIST_FLG
SP_SOURCE_STATUS_FLAG		D1_SP.SP_SRC_STAT_FLG
DAYS_LAST_MEASR		Value: This is the number of days since the most recent normal measurement linked to any MC on the device configuration of the installation event. If there are no normal measurements, this is the number of days since the start of installation. The end date to use in the calculation above is whichever is earlier between the Snapshot End Date or the installation's removal date, if any.

Extract Field	Length	Source
NEVER_RECV_MEASR		Value: 0 (Measurement received) or 1 (Never received measurement)
UDD1_CD	16	
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	
UDM10	19	
UDDD1	8	
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	
UDDFK_ID2	254	
UDDFK_ID3	254	
UDDFK_ID4	254	
UDDFK_ID5	254	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Point VEE Exception Snapshot Fact

This extract program retrieves values from the Initial Measurement Data table in the Oracle Utilities Meter Data Management source system to populate the Service Point VEE Exception Snapshot fact.

Properties

Property	Value
Load Table Name	CF_VEE_EXCP
Table Type	Fact
Source System Driver Table	D1_INIT_MSRMT_DATA, D1_VEE_EXCP
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	
Source System Extract Program - Extract	D2-SVEFX
Stage Table Name	STG_VEE_EXCP_EXT
Stage File Name	F_VEE_EXCP_EXT.DAT
Control Table Name	STG_VEE_EXCP_CTL_EXT
Control File name	F_VEE_EXCP_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_F_VEE_EXCP
OWB Work Flow Name	OUBIWF_F_VEE_EXCP
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
SERVICE_POINT1_ID	30	D1_SP.D1_SP_ID
DEVICE_ID	30	D1_DVC.D1_DEVICE_ID
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD

Extract Field	Length	Source
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
MC_ID	30	D1_MEASR_COMP.MEASR_COMP_ID
EXCEP_TYPE_CD	30	D1_VEE_EXCP.EXCP_TYPE_CD
IMD_TYPE_CD	4	F1_BUS_OBJ_OPT.BUS_OBJ_OPT_VAL **Note**: The IMD Type is the BO Option Value for BO Option "Initial Measurement Data Type".
SEVERITY_CD	4	D1_VEE_EXCP.EXCP_SEVERITY_FLG
VEE_GRP_CD	30	D1_VEE_EXCP.VEE_GRP_CD
VEE_RULE_CD	30	D1_VEE_EXCP.VEE_RULE_CD
SNAPSHOT_DT	8	Value: Calculated based on batch business date and Snapshot type (Monthly or Weekly)
SNAPSHOT_TYPE	1	Values: M – Monthly, W – Weekly
NO_IMD_EXCEP	15	Value: Number of IMDs with this Exception. This is populated with the number of IMDs for the Exception Type, Severity, IMD Type and VEE Group/Rule combination.
NO_IMD_WO_EXCP	15	Value: Number of IMDs without Exception. This is only populated for the snapshot record that contains the summary information. This is the count of IMDs for the period that have no VEE Exceptions.
NO_IMD_EXCP_DISTINCT	15	Value: Number of IMDs with at least one Exception. This is only populated for the snapshot record that contains the summary information. This is the count of IMDs for the period that have at least one VEE Exceptions.

Extract Field	Length	Source
UDD1_CD	16	
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	
UDM10	19	
UDDD1	8	
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	
UDDFK_ID2	254	
UDDFK_ID3	254	
UDDFK_ID4	254	
UDDFK_ID5	254	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Device Activity Fact

This extract program retrieves values from the Activity table in the Oracle Utilities Meter Data Management source system to populate the Device Activity fact.

Properties

Property	Value
Load Table Name	CF_DEVICE_ACTIVITY
Table Type	Fact
Source System Driver Table	D1_ACTIVITY
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-ACTIL
Source System Extract Program - Extract	D1-ACTFX
Stage Table Name	STG_DEVICE_ACTIVITY_EXT
Stage File Name	F_DEVICE_ACTIVITY_EXT.DAT
Control Table Name	STG_DEVICE_ACTIVITY_CTL_EXT
Control File name	F_DEVICE_ACTIVITY_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_F_DEVICE_ACTIVITY
OWB Work Flow Name	OUBIWF_F_DEVICE_ACTIVITY
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
DEVICE_ACTIVITY_ID	30	D1_ACTIVITY.D1_ACTIVITY_ID
DEVICE_ACT_BO_CD	30	D1_ACTIVITY.BUS_OBJ_CD
DEVICE_BO_STATUS_CD	12	D1_ACTIVITY.BO_STATUS_CD
STATUS_REASON_CD	30	D1_ACTIVITY.BO_STATUS_REASON_CD
SERVICE_POINT1_ID	30	D1_ACTIVITY_REL_OBJ.PK_VALUE1
DEVICE_ID	30	D1_ACTIVITY_REL_OBJ.PK_VALUE1
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).

Extract Field	Length	Source
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
MC_ID	30	D1_MEASR_COMP.MEASR_COMP_ID
ACTIVITY_TYPE_CD	30	D1_ACTIVITY.ACTIVITY_TYPE_CD
START_DT	8	D1_ACTIVITY.START_DTTM
START_TIME	8	D1_ACTIVITY.START_DTTM
START_DT_TIME	20	D1_ACTIVITY.START_DTTM
END_DT	8	D1_ACTIVITY.END_DTTM
END_TIME	8	D1_ACTIVITY.END_DTTM
END_DT_TIME	20	D1_ACTIVITY.END_DTTM
DURATION	15	Value: Difference between the activity end date time / batch business date time and the activity start date time
UDD1_CD	16	
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	
UDM10	19	
UDDD1	8	

Extract Field	Length	Source
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	
UDDFK_ID2	254	
UDDFK_ID3	254	
UDDFK_ID4	254	
UDDFK_ID5	254	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Device Event Fact

This extract program retrieves values from the Device Event table in the Oracle Utilities Meter Data Management source system to populate the Device Event fact.

Properties

Property	Value
Load Table Name	CF_DEVICE_EVT
Table Type	Fact
Source System Driver Table	D1_DVC_EVT
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	D1-DEVIL
Source System Extract Program - Extract	D1-DEVFX
Stage Table Name	STG_DEVICE_EVT_EXT
Stage File Name	F_DEVICE_EVT_EXT.DAT
Control Table Name	STG_DEVICE_EVT_CTL_EXT
Control File name	F_DEVICE_EVT_EXT.CTL

Property	Value
Update Procedure Name	
OWB Map Name	OUBIMAP_F_DEVICE_EVT
OWB Work Flow Name	OUBIWF_F_DEVICE_EVT
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted
DEVICE_EVENT_ID	30	D1_DVC_EVT.DVC_EVT_ID
DEVICE_EVENT_BO_CD	30	D1_DVC_EVT.BUS_OBJ_CD
DEVICE_BO_STATUS_CD	12	D1_DVC_EVT.BO_STATUS_CD
STATUS_REASON_CD	30	D1_DVC_EVT.BO_STATUS_REASON_CD
SERVICE_POINT1_ID	30	D1_SP.D1_SP_ID
DEVICE_ID	30	D1_DVC_EVT_REL_OBJ.PK_VALUE1
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
MC_ID	30	D1_MEASR_COMP.MEASR_COMP_ID

Extract Field	Length	Source
ACTIVITY_TYPE_CD	30	D1_DVC_EVT.DVC_EVT_TYPE_CD
START_DT	8	D1_DVC_EVT.DVC_EVT_DTTM
START_TIME	8	D1_DVC_EVT.DVC_EVT_DTTM
START_DT_TIME	20	D1_DVC_EVT.DVC_EVT_DTTM
END_DT	8	D1_DVC_EVT.DVC_EVT_END_DTTM
END_TIME	8	D1_DVC_EVT.DVC_EVT_END_DTTM
END_DT_TIME	20	D1_DVC_EVT.DVC_EVT_END_DTTM
DURATION	15	Value: Difference between the event end date time / batch business date time and the event date time
UDD1_CD	16	
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	
UDM10	19	
UDDD1	8	
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	

Extract Field	Length	Source
UDDFK_ID2	254	
UDDFK_ID3	254	
UDDFK_ID4	254	
UDDFK_ID5	254	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Service Point Usage Transaction Aging Fact

This extract program retrieves measurement data for the available service points after applying Time of Use maps in the Oracle Utilities Meter Data Management source system to populate the Service Point Usage Transaction Aging fact.

Properties

Property	Value
Load Table Name	CF_SP_UT_AGE
Table Type	Fact
Source System Driver Table	D1_SP, D1_MSRMT
Source Extendable Lookup Name	
Source System Extract Program - Initial Load	
Source System Extract Program - Extract	D2-SUAFX
Stage Table Name	STG_SP_UT_AGE_EXT
Stage File Name	F_SP_UT_AGE_EXT.DAT
Control Table Name	STG_SP_UT_AGE_CTL_EXT
Control File name	F_SP_UT_AGE_EXT.CTL
Update Procedure Name	
OWB Map Name	OUBIMAP_F_SP_UT_AGE
OWB Work Flow Name	OUBIWF_F_SP_UT_AGE
OWB Work Flow Package Name	FACT_MDM

Fields (listed in the order they will appear in the flat file)

Extract Field	Length	Source
UPDATED_DTTM	20	Values: Initial Load: 1/1/2000, Incremental Load: Current Date

Extract Field	Length	Source
USAGE_TRANS_CD	30	Values: I – Insert/Update, D – Deleted
SERVICE_POINT1_ID	30	D1_SP.D1_SP_ID
DEVICE_ID	30	D1_DVC.D1_DEVICE_ID
SERVICE_PROVIDER1_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PROVIDER2_ID	30	D1_SP_MKT_PARTICIPANT.D1_SPR_CD/ D1_MKT_FALLBACK_SPR.D1_SPR_CD
SERVICE_PT2_ID	30	D1_SP_REL.REL_SP_ID **Note**: This field value is retrieved from the row where Relationship Type is Parent (D1PR).
ADDRESS1_ID	30	D1_SP.D1_SP_ID
USAGE_GRP_CD	30	D1_US_USG_GRP.USG_GRP_CD/ D1_US_TYPE_FB_USG_GRP.USG_GRP_CD
CONTACT_ID	30	D1_US_CONTACT.CONTACT_ID
CCB_PERSON_ID	30	D1_CONTACT_IDENTIFIER.ID_VALUE
CCB_ACCNT_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_SA_ID	30	D1_US_IDENTIFIER.ID_VALUE
CCB_PREMISE_ID	30	D1_SP_IDENTIFIER.ID_VALUE
USAGE_SUB1_ID	30	D1_US.US_ID
USAGE_SUB2_ID	30	D1_US.US_ID
UOM_CD	30	D1_UOM.D1_UOM_CD
TOU_CD	30	D1_TOU.D1_TOU_CD
SQI_CD	30	D1_SQI.D1_SQI_CD
SNAPSHOT_DT	8	Value: Calculated based on batch business date and snapshot type (Monthly or Weekly)
SNAPSHOT_TYPE	1	Values: M – Monthly, W – Weekly
CONSUM_LAST_TRAS	27	Value: Total of consumptions since last usage transaction of all buckets
CONSUM_LAST_UT_BUCK1	27	D1-MSRMT.MSRMT_VAL
CONSUM_LAST_UT_BUCK1_ DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR
CONSUM_LAST_UT_BUCK2	27	D1-MSRMT.MSRMT_VAL
CONSUM_LAST_UT_BUCK2_ DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR
CONSUM_LAST_UT_BUCK3	27	D1-MSRMT.MSRMT_VAL

Extract Field	Length	Source
CONSUM_LAST_UT_BUCK3_DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR
CONSUM_LAST_UT_BUCK4	27	D1-MSRMT.MSRMT_VAL
CONSUM_LAST_UT_BUCK4_DESC	100	F1_EXT_LOOKUP_VAL_L.DESCR
DAYS_LAST_TRANS	5	Value: The difference (in days) between the input end date and the most recent usage transaction end date
DAYS_LAST_TRANS_TP_CD	30	F1_EXT_LOOKUP_VAL.F1_EXT_LOOKUP_VALUE
UDD1_CD	16	
UDD2_CD	16	
UDM1	19	
UDM2	19	
UDM3	19	
UDM4	19	
UDM5	19	
UDM6	19	
UDM7	19	
UDM8	19	
UDM9	19	
UDM10	19	
UDDD1	8	
UDDD2	8	
UDDD3	8	
UDDD4	8	
UDDD5	8	
UDLDD1	30	
UDLDD2	30	
UDLDD3	30	
UDLDD4	30	
UDLDD5	30	
UDDFK_ID1	254	
UDDFK_ID2	254	
UDDFK_ID3	254	

Extract Field	Length	Source
UDDFK_ID4	254	
UDDFK_ID5	254	
DATA_SOURCE_IND	6	F1_INSTALLATION.ENV_ID

Oracle Utilities Meter Data Management Objects Referenced in Business Intelligence

This section provides details about the pseudo star schemas that are based on objects available in Oracle Utilities Meter Data Management source application.

These star schemas are special in the sense that they are not based out of tables residing in the BI data warehouse. These schemas are based out of specially designed materialized views residing directly in the Oracle Utilities Meter Data Management database. There were some exceptions in these pseudo star schemas.

Some dimensions are directly based on the Oracle Utilities Meter Data Management tables and not upon any materialized views. These pseudo star schemas support the analyses in the Usage and Performance dashboards in Oracle Utilities Meter Data Analytics. These dashboards are based on the daily measurements per service point. This data is expected to be populated daily. It is inefficient to bring over the measurements to the data warehouse on daily basis. Due to this, the data is aggregated in the Oracle Utilities Meter Data Management source application schema, and the Usage and Performance dashboards read the aggregated data.

Each of the views described below are pseudo facts, each with a single pseudo dimension.

Measured Quantity Dimension View

The Measured Quantity dimension view is used to flatten all the dimensional attributes (such as Postal, Head end, and Usage Calculation group) and aggregator MC IDs related to the Measured Quantity fact.

Properties

Property	Value
Name	D2_MEASR_QTY_MV
Table Type	Materialized View
Mapped Alias for Dimension	CD_MEASURED_QTY

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	MC ID
MEASR_COMP_TYPE_CD	VARCHAR2(30)	MC Type Code
MC_TYPE_DESCR	VARCHAR2(100)	MC Type Description
POSTAL	VARCHAR2(50)	Postal Code
CITY	VARCHAR2(50)	City
DEVICE_TYPE_CD	VARCHAR2(50)	DeviceType
DEVICE_TYPE_DESCR	VARCHAR2(100)	DeviceType Description

Extract Field	Type	Description
HEAD_END_SYSTEM_CD	VARCHAR2(50)	Head end system
HEAD_END_SYSTEM_DESCR	VARCHAR2(100)	Head end system Description
USG_CALC_GRP_CD	VARCHAR2(50)	Usage Calculation Group
USG_CALC_GRP_DESCR	VARCHAR2(100)	Usage Calculation Group Description
MKT_CD	VARCHAR2(50)	Market
MKT_DESCR	VARCHAR2(100)	Market Description
SPR_CD	VARCHAR2(50)	Service Provider
SPR_DESCR	VARCHAR2(100)	Service Provider Description
D1_SVC_TPE_CD	VARCHAR2(50)	Service Type
SVC_TYPE_DESCR	VARCHAR2(100)	Service Type Description
MKT_REL_TYPE_FLG	VARCHAR2(50)	Market Relationship Type
MKT_REL_TYPE_DESCR	VARCHAR2(60)	Market Relationship Type Description
MANUFACTURER_CD	VARCHAR2(50)	Manufacturer
MANUFACTURER_DESCR	VARCHAR2(100)	Manufacturer Description
D1_MODEL_CD	VARCHAR2(50)	Model
MODEL_DESCR	VARCHAR2(100)	Model Description
GEO_CODE	VARCHAR2(50)	Geo Code
BUS_OBJ_CD	CHAR(30)	Business Object

Quality Count Dimension View

The Quality Count dimension view is used to flatten all the dimensional attributes (such as Postal, Head end, and Usage Calculation group) and aggregator MC IDs related to the Quality Count fact.

Properties

Property	Value
Name	D2_QUALITY_CNT_MV
Table Type	Materialized View
Mapped Alias for Dimension	CD_ QUALITY_CNT

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	MC ID
MEASR_COMP_TYPE_CD	VARCHAR2(30)	MC Type Code
POSTAL	VARCHAR2(50)	Postal Code
CITY	VARCHAR2(50)	City
DEVICE_TYPE_CD	VARCHAR2(50)	DeviceType
DEVICE_TYPE_DESCR	VARCHAR2(100)	DeviceType Description
HEAD_END_SYSTEM_CD	VARCHAR2(50)	Head End System
HEAD_END_SYSTEM_DESCR	VARCHAR2(100)	Head End System Description
USG_CALC_GRP_CD	VARCHAR2(50)	Usage Calculation Group
USG_CALC_GRP_DESCR	VARCHAR2(100)	Usage Calculation Group Description
MKT_CD	VARCHAR2(50)	Market
MKT_DESCR	VARCHAR2(100)	Market Description
SPR_CD	VARCHAR2(50)	Service Provider
SPR_DESCR	VARCHAR2(100)	Service Provider Description
D1_SVC_TPE_CD	VARCHAR2(50)	Service Type
SVC_TYPE_DESCR	VARCHAR2(100)	Service Type Description
MKT_REL_TYPE_FLG	VARCHAR2(50)	Market Relationship Type
MKT_REL_TYPE_DESCR	VARCHAR2(60)	Market Relationship Type Description
MANUFACTURER_CD	VARCHAR2(50)	Manufacturer
MANUFACTURER_DESCR	VARCHAR2(100)	Manufacturer Description
D1_MODEL_CD	VARCHAR2(50)	Model
MODEL_DESCR	VARCHAR2(100)	Model Description
GEO_CODE	VARCHAR2(50)	Geo Code
BUS_OBJ_CD	CHAR(30)	Business Object

Timeliness Count Dimension View

The Timeliness Count dimension view is used to flatten all the dimensional attributes (such as Postal, Head end, and Usage Calculation group) and aggregator MC IDs related to the Timeliness Count fact.

Properties

Property	Value
Name	D2_TIMELINESS_CNT_MV
Table Type	Materialized View
Mapped Alias for Dimension	CD_ TIMELINESS_CNT

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	MC ID
MEASR_COMP_TYPE_CD	VARCHAR2(30)	MC Type Code
POSTAL	VARCHAR2(50)	Postal Code
CITY	VARCHAR2(50)	City
GEO_CODE	VARCHAR2(50)	Geo Code
DEVICE_TYPE_CD	VARCHAR2(50)	DeviceType ID
DEVICE_TYPE_DESCR	VARCHAR2(100)	DeviceType Description
HEAD_END_SYSTEM_CD	VARCHAR2(50)	Head End System
HEAD_END_SYSTEM_DESCR	VARCHAR2(100)	Head End System Description
USG_CALC_GRP_CD	VARCHAR2(50)	Usage Calculation Group
USG_CALC_GRP_DESCR	VARCHAR2(100)	Usage Calculation Group Description
MKT_CD	VARCHAR2(50)	Market
MKT_DESCR	VARCHAR2(100)	Market Description
SPR_CD	VARCHAR2(50)	Service Provider
SPR_DESCR	VARCHAR2(100)	Service Provider Description
D1_SVC_TPE_CD	VARCHAR2(50)	Service Type
SVC_TYPE_DESCR	VARCHAR2(100)	Service Type Description
MKT_REL_TYPE_FLG	VARCHAR2(50)	Market Relationship Type
MKT_REL_TYPE_DESCR	VARCHAR2(60)	Market Relationship Type Description
MANUFACTURER_CD	VARCHAR2(50)	Manufacturer
MANUFACTURER_DESCR	VARCHAR2(100)	Manufacturer Description
D1_MODEL_CD	VARCHAR2(50)	Model
MODEL_DESCR	VARCHAR2(100)	Model Description
BUS_OBJ_CD	CHAR(30)	Business Object

Timeliness Quantity Dimension View

The Timeliness Quantity dimension view is used to flatten all the dimensional attributes (such as Postal, Head end, and Usage Calculation group) and aggregator MC IDs related to the Timeliness Qty fact.

Properties

Property	Value
Name	D2_TIMELINESS_QTY_MV
Table Type	Materialized View
Mapped Alias for Dimension	CD_ TIMELINESS_QTY

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	MC ID
MEASR_COMP_TYPE_CD	VARCHAR2(30)	MC Type code
MC_TYPE_DESCR	VARCHAR2(100)	MC Type Description
POSTAL	VARCHAR2(50)	Postal code
CITY	VARCHAR2(50)	City
DEVICE_TYPE_CD	VARCHAR2(50)	DeviceType ID
DEVICE_TYPE_DESCR	VARCHAR2(100)	DeviceType Description
HEAD_END_SYSTEM_CD	VARCHAR2(50)	Head End System
HEAD_END_SYSTEM_DESCR	VARCHAR2(100)	Head End System Description
USG_CALC_GRP_CD	VARCHAR2(50)	Usage Calculation Group
USG_CALC_GRP_DESCR	VARCHAR2(100)	Usage Calculation Group Description
MKT_CD	VARCHAR2(50)	Market
MKT_DESCR	VARCHAR2(100)	Market Description
SPR_CD	VARCHAR2(50)	Service Provider
SPR_DESCR	VARCHAR2(100)	Service Provider Description
D1_SVC_TPE_CD	VARCHAR2(50)	Service Type
SVC_TYPE_DESCR	VARCHAR2(100)	Service Type Description
MKT_REL_TYPE_FLG	VARCHAR2(50)	Market Relationship Type
MKT_REL_TYPE_DESCR	VARCHAR2(60)	Market Relationship Type Description

Extract Field	Type	Description
MANUFACTURER_CD	VARCHAR2(50)	Manufacturer
MANUFACTURER_DESCR	VARCHAR2(100)	Manufacturer Description
D1_MODEL_CD	VARCHAR2(50)	Model
MODEL_DESCR	VARCHAR2(100)	Model Description
GEO_CODE	VARCHAR2(50)	Geo Code
BUS_OBJ_CD	CHAR(30)	Business Object

Measuring Component Dimension View

The Measuring Component dimension view is used to flatten all the dimensional attributes (such as Postal, Head end, and Usage Calculation group) and aggregator MC IDs related to the Measuring Component dimension.

Properties

Property	Value
Name	D2_MEASR_COMP_VW#1
Table Type	Materialized View
Mapped Alias for Dimension	CD_MEASR_COMP
Default Initialization string	SELECT * from D2_TIMELINESS_QTY_MV union SELECT * from D2_MEASR_QTY_MV union SELECT * from D2_QUALITY_CNT_MV union SELECT * from D2_TIMELINESS_CNT_MV

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	MC ID
MEASR_COMP_TYPE_CD	VARCHAR2(30)	MC Type code
MC_TYPE_DESCR	VARCHAR2(100)	MC Type Description
POSTAL	VARCHAR2(50)	Postal code
CITY	VARCHAR2(50)	City
DEVICE_TYPE_CD	VARCHAR2(50)	DeviceType ID

Extract Field	Type	Description
DEVICE_TYPE_DESCR	VARCHAR2(100)	DeviceType Description
HEAD_END_SYSTEM_CD	VARCHAR2(50)	Head End System
HEAD_END_SYSTEM_DESCR	VARCHAR2(100)	Head End System Description
USG_CALC_GRP_CD	VARCHAR2(50)	Usage Calculation
USG_CALC_GRP_DESCR	VARCHAR2(100)	Usage Calculation Description
MKT_CD	VARCHAR2(50)	Market
MKT_DESCR	VARCHAR2(100)	Market Description
SPR_CD	VARCHAR2(50)	Service Provider
SPR_DESCR	VARCHAR2(100)	Service Provider Description
D1_SVC_TPE_CD	VARCHAR2(50)	Service Type
SVC_TYPE_DESCR	VARCHAR2(100)	Service Type Description
MKT_REL_TYPE_FLG	VARCHAR2(50)	Market Relationship Type
MKT_REL_TYPE_DESCR	VARCHAR2(60)	Market Relationship Type Description
MANUFACTURER_CD	VARCHAR2(50)	Manufacturer
MANUFACTURER_DESCR	VARCHAR2(100)	Manufacturer Description
D1_MODEL_CD	VARCHAR2(50)	Model
MODEL_DESCR	VARCHAR2(100)	Model Description
GEO_CODE	VARCHAR2(50)	Geo Code
BUS_OBJ_CD	CHAR(30)	Business Object

Time of Use Map Dimension Table

The Time of Use dimension is different in the sense that it is not based out of a view. It is rather based upon the MDM TOU Map table directly.

Properties

Property	Value
Name	CD_ TOU_MAP
Table Type	Select

Default Initialization string	select a.d1_tou_map_id, d.descr100 TOU_MAP_DESCR, a.d1_tou_cd, b.descr100 TOU_DESCR, a.tou_map_data_dttm from d1_tou_map_data a, d1_tou_l b, f1_installation c, d1_tou_map_l d where b.d1_tou_cd = a.d1_tou_cd and b.language_cd = c.language_cd and a.d1_tou_map_id = d.d1_tou_map_id and d.language_cd = c.language_cd

Fields

Extract Field	Type	Description
D1_TOU_CD	VARCHAR(30)	MC ID
D1_TOU_MAP_ID	CHAR(12)	MC Type code
TOU_MAP_DATA_DTTM	DATETIME	Postal Code
TOU_MAP_DESCR	VARCHAR2(100)	City
TOU_DESCR	VARCHAR2(100)	Geo Code

Time of Use Language Dimension Table

The Time of Use Language dimension table will be mapped directly in the reports to retrieve the description of the time of use. Note that this mapping fetches the same description as CD_TOU_MAP.TOU_DESCR, but this has been introduced to improve performance in certain reports.

Properties

Property	Value
Name	D1_TOU_L
Table Type	Physical Table

Fields

Extract Field	Type	Description
D1_TOU_CD	VARCHAR(30)	MC ID
LANGUAGE_CD	CHAR(3)	Language ID
DESCR100	VARCHAR2(100)	Description
VERSION	NUMBER(5)	Version

Time of Use Map Language Dimension Table

The Time of Use Map Language dimension table will be mapped directly in the reports to retrieve the description of the time of use Map. Note that this mapping fetches the same description as CD_ TOU_MAP.TOU_MAP_DESCR, but this has been introduced to improve performance in certain reports.

Properties

Property	Value
Name	D1_TOU_MAP_L
Table Type	Physical Table

Fields

Field	Type
D1_TOU_MAP_ID	CHAR(12)
LANGUAGE_CD	CHAR(3)
DESCR100	VARCHAR2(100)
VERSION	NUMBER(5)

Measured Quantity Fact View

The Measured Quantity fact view has a spread of the constituents' measurements across buckets as per their condition codes.

Properties

Property	Value
Name	D2_MEASR_QTY_AGR_MV
Table Type	Materialized View
Mapped Alias for Fact	CF_MEASURED_QTY

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	Measuring Component ID
MSRMT_DT	DATE	Measurement Date
MSRMT_DTTM	DATE	Measurement Date Time

Extract Field	Type	Description
MSRMT_LOCAL_DTTM	DATE	Measurement Local Date Time
MSRMT_VAL	NUMBER(16,6)	Measured Quantity
MSRMT_VAL1	NUMBER(16,6)	Measurement Value1
MSRMT_VAL2	NUMBER(16,6)	Measurement Value2
MSRMT_VAL3	NUMBER(16,6)	Measurement Value3
MSRMT_VAL4	NUMBER(16,6)	Measurement Value4
MSRMT_VAL5	NUMBER(16,6)	Measurement Value5
MSRMT_VAL6	NUMBER(16,6)	Measurement Value6
MSRMT_VAL7	NUMBER(16,6)	Measurement Value7
MSRMT_VAL8	NUMBER(16,6)	Measurement Value8
MSRMT_VAL9	NUMBER(16,6)	Measurement Value9

Quality Count Fact View

The Quality Count fact view summarizes the measured quantity of measurements based on their condition.

Properties

Property	Value
Name	D2_QUALITY_CNT_AGR_MV
Table Type	Materialized View
Mapped Alias for Fact	CF_QUALITY_CNT

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	Measuring Component ID
MSRMT_DT	DATE	Measurement Date
MSRMT_DTTM	DATE	Measurement Date Time
MSRMT_LOCAL_DTTM	DATE	Measurement Local Date Time
MSRMT_VAL	NUMBER(16,6)	Measured Quantity
MSRMT_VAL1	NUMBER(16,6)	Measurement Value1
MSRMT_VAL2	NUMBER(16,6)	Measurement Value2
MSRMT_VAL3	NUMBER(16,6)	Measurement Value3

Extract Field	Type	Description
MSRMT_VAL4	NUMBER(16,6)	Measurement Value4
MSRMT_VAL5	NUMBER(16,6)	Measurement Value5
MSRMT_VAL6	NUMBER(16,6)	Measurement Value6
MSRMT_VAL7	NUMBER(16,6)	Measurement Value7
MSRMT_VAL8	NUMBER(16,6)	Measurement Value8
MSRMT_VAL9	NUMBER(16,6)	Measurement Value9

Timeliness Count Fact View

This Timeliness Count fact view summarizes the count of measurements that arrived on time or are late.

Properties

Property	Value
Name	D2_TIMELINESS_CNT_AGR_MV
Table Type	Materialized View
Mapped Alias for Fact	CF_TIMELINESS_CNT

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	Measuring Component ID
MSRMT_DT	DATE	Measurement Date
MSRMT_DTTM	DATE	Measurement Date Time
MSRMT_LOCAL_DTTM	DATE	Measurement Local Date Time
MSRMT_VAL	NUMBER(16,6)	Measured Quantity
MSRMT_VAL1	NUMBER(16,6)	Measurement Value1
MSRMT_VAL2	NUMBER(16,6)	Measurement Value2
MSRMT_VAL3	NUMBER(16,6)	Measurement Value3
MSRMT_VAL4	NUMBER(16,6)	Measurement Value4
MSRMT_VAL5	NUMBER(16,6)	Measurement Value5
MSRMT_VAL6	NUMBER(16,6)	Measurement Value6
MSRMT_VAL7	NUMBER(16,6)	Measurement Value7

Extract Field	Type	Description
MSRMT_VAL8	NUMBER(16,6)	Measurement Value8
MSRMT_VAL9	NUMBER(16,6)	Measurement Value9

Timeliness Quantity Fact View

The Timeliness Quantity fact view summarizes the quantity of measurements that arrived on time or are late.

Properties

Property	Value
Name	D2_TIMELINESS_QTY_AGR_MV
Table Type	Materialized View
Mapped Alias for Fact	CF_TIMELINESS_QTY

Fields

Extract Field	Type	Description
MEASR_COMP_ID	CHAR(12)	Measuring Component ID
MSRMT_DT	DATE	Measurement Date
MSRMT_DTTM	DATE	Measurement Date Time
MSRMT_LOCAL_DTTM	DATE	Measurement Local Date Time
MSRMT_VAL	NUMBER(16,6)	Measured Quantity
MSRMT_VAL1	NUMBER(16,6)	Measurement Value1
MSRMT_VAL2	NUMBER(16,6)	Measurement Value2
MSRMT_VAL3	NUMBER(16,6)	Measurement Value3
MSRMT_VAL4	NUMBER(16,6)	Measurement Value4
MSRMT_VAL5	NUMBER(16,6)	Measurement Value5
MSRMT_VAL6	NUMBER(16,6)	Measurement Value6
MSRMT_VAL7	NUMBER(16,6)	Measurement Value7
MSRMT_VAL8	NUMBER(16,6)	Measurement Value8
MSRMT_VAL9	NUMBER(16,6)	Measurement Value9

Dimension Table Schema

Consumption Snapshot Type Dimension <CD_CONS_TYPE>

The Consumption Snapshot Type dimension stores the values from the Oracle Utilities Meter Data Management lookup for the Consumption Snapshot Type.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
CONS_TYPE_KEY	Consumption Snapshot Type Dimension Surrogate Key	
CONS_SNAPSHOT_TYPE_CD	Consumption Snapshot Type Code	Stage: CONSUM_SNAPDSHOT
CONS_SNAPSHOT_TYPE_DESCR	Consumption Snapshot Type Description	Stage: CONSUM_SNAPSHOT_TYPE_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD

Column	OBIEE Field	Load
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Meter Device Dimension <CD_MTR_DEVICE>

The Meter Device dimension stores the details of the meters in the Orcle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
MTR_DEVICE_KEY	Meter Device Dimension Surrogate Key	Sequence: OUBI_MTR_DEVICE_SEQ
SRC_MTR_DEVICE_ID	Source Meter Device ID	Stage: DEVICE_ID
MTR_DEVICE_INFO	Meter Device Info String	Stage: DEVICE_INFO_STR

MTR_DEVICE_TYPE_CD	Meter Device Type Code	Stage: DEVICE_TYPE_CD
MTR_DEVICE_TYPE_DESCR	Meter Device Type Description	Stage: DEVICE_TYPE_DESC
MANUFACTURER_CD	Manufacturer Code	Stage: MANUFACTURER_CD
MANUFACTURER_DESCR	Manufacturer Description	Stage: MANUFACTURER_DESC
MODEL_CD	Model Code	Stage: MODEL_CD
MODEL_DESCR	Model Description	Stage: MODEL_DESC
HEAD_END_CD	Head End Code	Stage: HEAD_END_CD
HEAD_END_DESCR	Head End Description	Stage: HEAD_END_DESC
DEVICE_CAT_CD	Device Category Code	Stage: DEVICE_CAT
DEVICE_CAT_DESCR	Device Category Description	Stage: DEVICECAT_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD

UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
EFF_START_DTTM	Effective Start Date/Time	
EFF_ END_DTTM	Effective End Date/Time	
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Measuring Component Dimension <CD_MC>

The Measuring Component dimension stores the details of the measuring components on the Oracle Utilities Meter Data Management system.

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
MC_KEY	Measuring Component Dimension Surrogate Key	Stage: OUBI_MC_SEQ
SRC_MC_ID	Source Measuring Component ID	Stage: MC_ID
MC_INFO	Measuring Component Info String	Stage: MC_INFO_STR
MC_TYPE_CD	Measuring Component Type Code	Stage: MC_TYPE_CD
MC_TYPE_DESCR	Measuring Component Type Description	Stage: MC_TYPE_DESC
DEVICE_CONFIG_TYPE_CD	Device Configuration Type Code	Stage: DEVICE_CONFIG_TYPE_CD

DEVICE_CONFIG_TYPE_DESCR	Device Configuration Type Description	Stage: DEVICE_CONFIG_TYPE_DESC
SERVICE_TYPE_CD	Service Type Code	Stage: SERVICE_TYPE_CD
SERVICE_TYPE_DESCR	Service Type Description	Stage: SERVICE_TYPE_DESC
VEE_GRP_CD	VEE Group Code	Stage: VEE_GRP_CD
VEE_GRP_DESCR	VEE Group Description	Stage: VEE_GRP_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
EFF_START_DTTM	Effective Start Date/Time	
EFF_ END_DTTM	Effective End Date/Time	

DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Service Provider Dimension <CD_SPR>

The Service Provider dimension stores various head-end system/service provider details registered with the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
SPR_KEY	Service Provider Dimension Surrogate Key	Sequence: OUBI_SPR_SEQ
SPR_CD	Service Provider Code	Stage: SERVICE_PROV
SPR_INFO	Service Provider Description	Stage: SERVICE_PROV_INFO_STR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC

UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Service Point Dimension <CD_SP>

The Service Point dimension stores the service point details present in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
SPR_KEY	Service Point Dimension Surrogate Key	Sequence: OUBI_SP_SEQ
SRC_SP_ID	Source Service Point ID	Stage: SERVICE_POINT_ID
SP_INFO	Service Point Info String	Stage: SERVICE_POINT_INFO_STR

SP_TYPE_CD	Service Point Type Code	Stage: SERVICE_POINT_TYPE_CD
SP_TYPE_DESCR	Service Point Type Description	Stage: SERVICE_POINT_TYPE_DESC
SERVICE_TYPE_CD	Service Type Code	Stage: SERVICE_TYPE_CD
SERVICE_TYPE_DESCR	Service Type Description	Stage: SERVICE_TYPE_DESC
FAC_LVL1_CD	Facility Level 1 Code	
FAC_LVL1_DESCR	Facility Level 1 Description	
FAC_LVL2_CD	Facility Level 2 Code	
FAC_LVL2_DESCR	Facility Level 2 Description	
FAC_LVL3_CD	Facility Level 3 Code	
FAC_LVL3_DESCR	Facility Level 3 Description	
MARKET_CD	Market Code	Stage: MARKET_CD
MARKET_DESCR	Market Description	Stage: MARKET_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD

UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
EFF_START_DTTM	Effective Start Date/Time	
EFF_ END_DTTM	Effective End Date/Time	
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Address Dimension <CD_ADDR>

The Address dimension stores the address of the various service points.

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
SRC_ADDRESS_ID	Source Address ID	ADDRESS_ID
ADDR_LINE1	Address Line1	
ADDR_LINE2	Address Line2	
ADDR_LINE3	Address Line3	
ADDR_LINE4	Address Line4	
CROSS_STREET	Cross Street	
SUBURB	Suburb	
CITY	City	Stage: CITY
COUNTY	County	Stage: COUNTY
POSTAL	Postal	Stage: POSTAL

STATE_CD	State Code	Stage: STATE_CD
STATE_DESCR	State Description	Stage: STATE_DESC
COUNTRY_CD	Country Code	Stage: COUNTY_CD
COUNTRY_DESCR	Country Description	Stage: COUNTY_DESC
GEO_CODE	Geo Code	Stage: GEO_CD

Usage Subscription Dimension <CD_US>

The Usage Subscription dimension stores the usage subscription details present in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
US_KEY	Usage Subscription Dimension Surrogate Key	Sequence: OUBI_US_SEQ
SRC_US_ID	Source Usage Subscription ID	Stage: USAGE_SUBS_ID
US_INFO	Usage Subscription Info String	
US_TYPE_CD	Usage Subscription Type Code	Stage: USAGE_SUBS_TYPE_CD
US_TYPE_DESCR	Usage Subscription Type Description	Stage: USAGE_SUBS_TYPE_DESC
EXT_ID	External ID	Stage: EXTERNAL_ID
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD

UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
EFF_START_DTTM	Effective Start Date/Time	
EFF_ END_DTTM	Effective End Date/Time	
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Usage Group Dimension <CD_USAGE_GROUP>

The Usage Group dimension stores the details of the usage calculation groups present in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
USAGE_GROUP_KEY	Usage Group Dimension Surrogate Key	
USAGE_GROUP_CD	Usage Group Code	Stage: USAGE_GRP_CD
USAGE_GROUP_INFO	Usage Group Info String	Stage: USAGE_GRP_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	

DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Contact Dimension <CD_CONTACT>

The Contact dimension stores all of the contact details in Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
CONTACT_KEY	Contact Dimension Surrogate Key	Stage: CONTACT_ID
SRC_CONTACT_ID	Source Contact ID	Stage: CONTACT_ID
CONTACT_INFO	Contact Info String	Stage: CONTACT_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD

UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
EFF_START_DTTM	Effective Start Date/Time	
EFF_ END_DTTM	Effective End Date/Time	
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Measurement Condition Dimension <CD_MSRMT_COND>

The Measurement Condition dimension stores the values from the Oracle Utilities Meter Data Management lookup for Measurement Condition.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
MSRMT_COND_KEY	Measurement Condition Dimension Surrogate Key	Sequence: OUBI_MSRMT_COND_SEQ

MSRMT_COND _CD	Measurement Condition Code	Stage: MEASUREMENT_COND_CD
MSRMT_COND _DESCR	Measurement Condition Description	Stage: MEASUREMENT_COND_DESC
MSRMT_COND _CAT_CD	Measurement Condition Category Code	Stage: MEASUREMENT_COND_CAT_CD
MSRMT_COND_CAT_DESCR	Measurement Condition Category Description	Stage: MEASUREMENT_COND_CAT_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD

UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Unit of Measure/Time of Use Dimension <CD_UOM_TOU>

The Unit of Measure/Time of Use dimension stores various combinations of the Unit of Measure and the Time of Use values from the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
UOM_TOU_KEY	UOM TOU Dimension Surrogate Key	Sequence: OUBI_UOM_TOU_SEQ
UOM_CD	UOM Code	Stage: UOM_CD
UOM_INFO	UOM Info String	Stage: UOM_INFO_STR
TOU_CD	TOU Code	Stage: TOU_CD
TOU_INFO	TOU Info String	Stage: TOU_DESC
SERVICE_TYPE_CD	Service Type Code	Stage: SERVICE_TYPE_CD
SERVICE_TYPE_DESCR	Service Type Description	Stage: SERVICE_TYPE_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD

UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Installation Event Business Object Status Dimension <CD_IE_STATUS>

The Installation Event Business Object Status dimension stores the install event statuses for various install event business objects in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
IE_STATUS_KEY	Installation Event Status Dimension Surrogate Key	Sequence: OUBI_IE_STATUS_SEQ
BUS_OBJ_CD	Business Object Code	Stage: BO_CD
BUS_OBJ_DESCR	Business Object Description	Stage: BO_DESC
STATUS_CD	Business Object Status Code	Stage: STATUS_CD
STATUS_DESCR	Business Object Status Description	Stage: STATUS_DESC
STATUS_RSN_CD	Business Object Status Reason Code	Stage: REASON_CD
STATUS_RSN_DESCR	Business Object Status Reason Description	Stage: REASON_DESC
STATUS_COND_CD	Business Object Status Condition Code	Stage: STATUS_COND_CD
STATUS_COND_DESCR	Business Object Status Condition Description	Stage: STATUS_COND_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD

UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Service Point Business Object Status Dimension <CD_SP_STATUS>

The Service Point Business Object Status dimension stores the service point statuses for various service point business objects in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
SP_STATUS_KEY	Service Point Status Dimension Surrogate Key	Sequence: OUBI_SP_STATUS_SEQ
BUS_OBJ_CD	Business Object Code	Stage: BO_CD
BUS_OBJ_DESCR	Business Object Description	Stage: BO_DESC
STATUS_CD	Business Object Status Code	Stage: STATUS_CD
STATUS_DESCR	Business Object Status Description	Stage: STATUS_DESC
STATUS_RSN_CD	Business Object Status Reason Code	Stage: REASON_CD
STATUS_RSN_DESCR	Business Object Status Reason Description	Stage: REASON_DESC

STATUS_COND_CD	Business Object Status Condition Code	Stage: STATUS_COND_CD
STATUS_COND_DESCR	Business Object Status Condition Description	Stage: STATUS_COND_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Days Since Last Normal Measurement Dimension <CD_DAYS_LAST_MSRMT>

The Days Since Last Normal Measurement dimension stores values from various buckets from the Oracle Utilities Meter Data Management lookup.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
DAYS_LAST_MSRMT_KEY	Days Since Last Normal Measurement Dimension Surrogate Key	Stage: DAYS_LAST_MEASRMT_CD
DAY_LAST_MSRMT_CD	Days Since Last Normal Measurement Code	Stage: DAYS_LAST_MEASRMT_CD
DAY_LAST_MSRMT _DESCR	Days Since Last Normal Measurement Description	Stage: DAYS_LAST_MEASRMT_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC

UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Exception Type Dimension <CD_EXCP_TYPE>

The Exception Type dimension stores various exception type values created in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
EXCP_TYPE_KEY	Exception Type Dimension Surrogate Key	Stage: EXCP_TYPE_CD
EXCP_TYPE_CD	Exception Type Code	Stage: EXCP_TYPE_CD
EXCP_TYPE_INFO	Exception Type Info String	Stage: EXCP_TYPE_DESC
RPT_CAT_CD	Reporting Category Code	Stage: REPRT_CAT_CD

RPT_CAT_DESCR	Reporting Category Description	Stage: REPRT_CAT_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Initial Measurement Data Type Dimension <CD_IMD_TYPE>

The Initial Measurement Data Type (IMD) dimension stores the IMD Type values from the Oracle Utilities Meter Data Management lookup for Initial Measurement Data Type.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
IMD_TYPE_KEY	IMD Type Dimension Surrogate Key	
IMD_TYPE_CD	IMD Type Code	Stage: IMD_TYPE_CD
IMD_TYPE_DESCR	IMD Type Description	Stage: IMD_TYPE_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Exception Severity Dimension <CD_EXCP_SEV>

The Exception Severity dimension stores various exception severity values from the corresponding Oracle Utilities Meter Data Management lookup.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
EXCP_SEV_KEY	Exception Severity Dimension Surrogate Key	

EXCP_SEV_CD	Severity Code	Stage: SEVERITY_CD
EXCP_SEV_DESCR	Severity Description	Stage: SEVERITY_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

VEE Rule Dimension <CD_VEE_RULE>

The VEE Rule dimension stores the details of various VEE rules configured in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
VEE_RULE_KEY	VEE Rule Dimension Surrogate Key	Sequence: OUBI_VEE_RULE_SEQ
VEE_GRP_CD	Source VEE Group Code	Stage: VEE_GRP_CD
VEE_GRP_INFO	VEE Group Info String	Stage: VEE_GRP_DESC
VEE_RULE_CD	Source VEE Rule Code	Stage: VEE_RULE_CD
VEE_RULE_INFO	VEE Rule Info String	Stage: VEE_RULE_DESC
VEE_RULE_CAT_CD	VEE Rule Category Code	Stage: VEE_RULE_CAT_CD
VEE_RULE_CAT_DESCR	VEE Rule Category Description	Stage: VEE_RULE_CAT_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC

UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Device Activity Business Object Status Dimension <CD_DEVICE_ACTIVITY_STATUS>

The Device Activity Business Object Status dimension stores the activity statuses for various activity business objects in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
DEVICE_ACTIVITY_STATUS_KEY	Device Activity Status Dimension Surrogate Key	Sequence: OUBI_DEVICE_ACTIVITY_STATUS_SEQ
BUS_OBJ_CD	Business Object Code	Stage: BO_CD
BUS_OBJ_DESCR	Business Object Description	Stage: BO_DESC
STATUS_CD	Business Object Status Code	Stage: STATUS_CD
STATUS_DESCR	Business Object Status Description	Stage: STATUS_DESC
STATUS_RSN_CD	Business Object Status Reason Code	Stage: REASON_CD
STATUS_RSN_DESCR	Business Object Status Reason Description	Stage: REASON_DESC
STATUS_COND_CD	Business Object Status Condition Code	Stage: STATUS_COND_CD
STATUS_COND_DESCR	Business Object Status Condition Description	Stage: STATUS_COND_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC

UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Device Event Business Object Status Dimension <CD_DEVICE_EVT_STATUS>

The Device Event Business Object Status dimension stores the device event statuses for various device event business objects in the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
DEVICE_EVT_STATUS_KEY	Device Event Status Dimension Surrogate Key	Sequence: OUBI_DEVICE_EVT_STATUS_SEQ
BUS_OBJ_CD	Business Object Code	Stage: BO_CD
BUS_OBJ_DESCR	Business Object Description	Stage: BO_DESC
STATUS_CD	Business Object Status Code	Stage: STATUS_CD
STATUS_DESCR	Business Object Status Description	Stage: STATUS_DESC
STATUS_RSN_CD	Business Object Status Reason Code	Stage: REASON_CD
STATUS_RSN_DESCR	Business Object Status Reason Description	Stage: REASON_DESC
STATUS_COND_CD	Business Object Status Condition Code	Stage: STATUS_COND_CD
STATUS_COND_DESCR	Business Object Status Condition Description	Stage: STATUS_COND_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC

UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Device Event Type Dimension <CD_DEVICE_EVT_TYPE>

The Device Event Type dimension stores various device event types related to the data stored in the Device Event fact.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
DEVICE_EVT_TYPE_KEY	Device Event Type Dimension Surrogate Key	Sequence: OUBI_DEVICE_EVT_SEQ
DEVICE_EVT_TYPE_CD	Source Device Event Type Code	Stage: DEVICE_EVNT_TYPE_CD
DEVICE_EVT_TYPE_INFO	Device Event Type Info String	Stage: DEVICE_EVNT_TYPE_DESC
DEVICE_EVT_CAT_CD	Device Event Category Code	Stage: DEVICE_EVNT_CAT_CD

DEVICE_EVT_CAT_DESCR	Device Event Category Description	Stage: DEVICE_EVNT_CAT_DESC
RPT_CAT_CD	Reporting Category Code	Stage: RPT_CAT_CD
RPT_CAT_DESCR	Reporting Category Description	Stage: RPT_CAT_DESC
STD_ACT_TYPE_CD	Standard Activity Type Code	Stage: STANDARD_ACT_TYPE_CD
STD_ACT_TYPE_DESCR	Standard Activity Type Description	Stage: STANDARD_ACT_TYPE_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD

UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

SP Usage Transaction Aging Snapshot Type Dimension <CD_SP_UT_AGE_TYPE>

The Service Point Usage Transaction Aging Snapshot Type dimension stores the values from various buckets from the Oracle Utilities Meter Data Management lookup.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
SP_UT_AGE_TYPE_KEY	SP Usage Transaction Aging Type Dimension Surrogate Key	Sequence: OUBI_SP_UT_AGE_TYPE_SEQ
SP_UT_AGE_TYPE_CD	SP Usage Transaction Aging Type Code	Stage: SP_USAGE_TRANS_AGING_TYPE_CD
SP_UT_AGE_TYPE_DESCR	SP Usage Transaction Aging Type Description	Stage: SP_USAGE_TRANS_AGING_TYPE_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD

UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Days Since Last Usage Transaction Type Dimension <CD_DAYS_LASTUT_TYPE>

The Days Since Last Usage Transaction Type dimension stores values from various buckets from the Oracle Utilities Meter Data Management lookup.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
DAYS_LASTUT_TYPE_KEY	Days Since Last Usage Transaction Type Dimension Surrogate Key	Sequence: OUBI_DAYS_LAST_UT_TYPE_SEQ
DAYS_LASTUT_TYPE_CD	Days Since Last Usage Transaction Type Code	Stage: DAYS_SINCE_LAST_UT_TRANS_TYPE_CD
DAYS_LASTUT_TYPE_DESCR	Days Since Last Usage Transaction Type Description	Stage: DAYS_SINCE_LAST_UT_TRANS_TYPE_ Stage: DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD

UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

UOM/TOU/SQI Dimension <CD_UOM_TOU_SQI>

The Unit of Measure/Time of Use/Service Quantity Identifier dimension stores various combinations of Unit of Measure, Time of Use, and Service Quantity Identifier values from the Oracle Utilities Meter Data Management edge application.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
UOM_TOU_SQI_KEY	UOM TOU SQI Dimension Surrogate Key	Sequence: OUBI_UOM_TOU_SQL_SEQ
UOM_CD	UOM Code	Stage: UOM_CD
UOM_INFO	UOM Info String	Stage: UOM_STR
TOU_CD	TOU Code	Stage: TOU_CD
TOU_INFO	TOU Info String	Stage: TOU_STR
SQI_CD	SQI Code	Stage: SQL_CD
SQI_INFO	SQI Info String	Stage: SQL_STR
SERVICE_TYPE_CD	Service Type Code	Stage: SERVICE_TYPE_CD
SERVICE_TYPE_DESCR	Service Type Description	Stage: SERVICE_TYPE_DESC
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESC

UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESC
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESC
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESC
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESC
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESC
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESC
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESC
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESC
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESC
UPDATE_DTTM	Update Date/Time	Stage: UPDATED_DATE_TIME
DATA_LOAD_DTTM	Data Load Date/Time	
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Measuring Component Dimension <CD_MEASR_COMP>

The Measuring Component dimension stores the details of measuring components on the Oracle Utilities Meter Data Management meters.

Properties

Property	Value
Table Type	Dimension
SCD Type	N/A

Fields

Column	OBIEE Field
MEASR_COMP_ID	
MEASR_COMP_TYPE_CD	
MC_TYPE_DESCR	Aggregation Type
POSTAL	Postal
CITY	City
DEVICE_TYPE_CD	
DEVICE_TYPE_DESCR	Device Type
HEAD_END_SYSTEM_CD	
HEAD_END_SYSTEM_DESCR	Head End System
USG_CALC_GRP_CD	
USG_CALC_GRP_DESCR	Usage Calculation Group
MKT_CD	
MKT_DESCR	Market
SPR_CD	
SPR_DESCR	Service Provider
D1_SVC_TPE_CD	
SVC_TYPE_DESCR	Service Type
MKT_REL_TYPE_FLG	
MKT_REL_TYPE_DESCR	
MANUFACTURER_CD	
MANUFACTURER_DESCR	Manufacturer
D1_MODEL_CD	

Column	OBIEE Field
MODEL_DESCR	Model
GEO_CODE	Geo Code
BUS_OBJ_CD	

Time of Use Map Dimension <CD_TOU_MAP>

The Time of Use Map dimension stores the various time of use maps configured in the Oracle Utilities Meter Data Management system to associate them with the measurement quantities.

Properties

Property	Value
Table Type	Dimension
SCD Type	N/A

Fields

Column	OBIEE Field
D1_TOU_CD	TOU Code
D1_TOU_MAP_ID	TOU Map ID
TOU_MAP_DATA_DTTM	TOU Map Data Date/Time
TOU_MAP_DESCR	TOU Map
TOU_DESCR	TOU

Time of Use Language Dimension <D1_TOU_L>

The Time of Use Language dimension stores the various time of use slots and their descriptions configured in the Oracle Utilities Meter Data Management system to associate them with the measurement quantities.

Properties

Property	Value
Table Type	Dimension
SCD Type	N/A

Fields

Column	OBIEE Field
D1_TOU_MAP_ID	
LANGUAGE_CD	
DESCR100	TOU Map
VERSION	

Time of Use Map Language Dimension <D1_TOU_MAP_L>

The Time of Use Map Language dimension stores the descriptions of the Time of Use Maps from the Oracle Utilities Meter Data Management system.

Properties

Property	Value
Table Type	Dimension
SCD Type	N/A

Fields

Column	OBIEE Field
D1_TOU_CD	
LANGUAGE_CD	
DESCR100	TOU
VERSION	

Date Dimension <CD_DATE>

The Date dimension is unique in the sense that it will be populated by PL/SQL procedures instead of the regular flat files. Date data will be populated from 01-JAN-1980 till 31-DEC-2050.

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Property	Value
Comment	This dimension is unusual in that it does NOT have an extract program. Rather, a utility generates the rows in this dimension. This utility is supplied in the form of a database stored procedure called SPL_LOADDATE. This stored procedure is delivered with the Oracle Warehouse Builder package. Note that the same procedure is also included in the initial data warehouse setup workflow package called INIT_PKG for the execution. This stored procedure has start date and end date as input parameters. These dates should be defined in the format: - start date: to_date('20000101','YYYYMMDD') - end date: to_date('20090331','YYYYMMDD')"

Fields

Column	OBIEE Field	Load
DATE_KEY		SPL_DATE_SEQ.NEXTVAL
CAL_DT	Calendar Date	Date between the Start and End Date provided to the SPL_LOADDATE procedure
DAY_NBR_IN_MONTH	Day Number in Month (1-31)	TO_NUMBER(TO_CHAR(CAL_DT, 'DD'))
DAY_NBR_IN_WEEK	Day Number in Week (1-7)	TO_NUMBER(TO_CHAR(CAL_DT, 'D'))
DAY_NBR_IN_YEAR	Day number in Year (1-366)	TO_NUMBER(TO_CHAR(CAL_DT, 'DDD'))
WORK_DAY_IND	Work Day Indicator	0
ABS_MONTH_NBR	Absolute Month Number	Incremental number of the month, starting at 0
CAL_MONTH_NBR	Calendar Month Number (1-12)	TO_NUMBER(TO_CHAR(CAL_DT, 'MM'))
MONTH_END_DT	Month End Date	LAST_DAY(CAL_DT)
ABS_QTR_NBR	Absolute Quarter Number	Incremental number of the quarter, starting at 0
CAL_QTR_NBR	Calendar Quarter Number (1-4)	TO_NUMBER(TO_CHAR(CAL_DT, 'Q'))

Column	OBIEE Field	Load
QTR_END_DT	Quarter End Date	ADD_MONTHS(TRUNC(CAL_DT, 'Q'), 3) – 1
ABS_WEEK_NBR	Absolute Week Number	Incremental number of the week, starting at 0
CAL_WEEK_NBR	Calendar Week Number (1-53)	TO_NUMBER(TO_CHAR(CAL_DT, 'WW'))
WEEK_END_DT	Week End Date	CAL_DT + (7 – DAY_NBR_IN_WEEK);
CAL_YEAR	Calendar Year	TO_NUMBER(TO_CHAR(CAL_DT, 'YYYY'))
YEAR_END_DT	Year End Date	ADD_MONTHS(TRUNC(CAL_DT,'YYYY'), 12) - 1;
UDF1_CD	User Defined Field Code	DAY_NBR_IN_WEEK
UDF1_DESCR	Day of Week	TO_CHAR(CAL_DT, 'Day')
UDF2_CD	User Defined Field Code	CAL_QTR_NBR
UDF2_DESCR	Calendar Quarter	'Quarter ' || trim(to_char(CAL_QTR_NBR))
UDF3_CD	User Defined Field Code	If Month in 'December, January, February', then Winter, If Month in 'March, April, May', then Spring, If Month in 'June, July, August', then Summer, If Month in 'September, October, Novemeber', then Fall
UDF3_DESCR	Season	If Month in 'December, January, February', then Winter, If Month in 'March, April, May', then Spring, If Month in 'June, July, August', then Summer, If Month in 'September, October, Novemeber', then Fall
UDF4_CD	User Defined Field Code	WORK_DAY_IND
UDF4_DESCR	Workday	'Yes', 'No'
UDF5_CD	User Defined Field Code	CAL_MONTH_NBR
UDF5_DESCR	Calendar Month	TO_CHAR(CAL_DT, 'Month')
UDF6_CD	User Defined Field Code	
UDF6_DESCR	User Defined Field 6 Description	
UDF7_CD	User Defined Field Code	

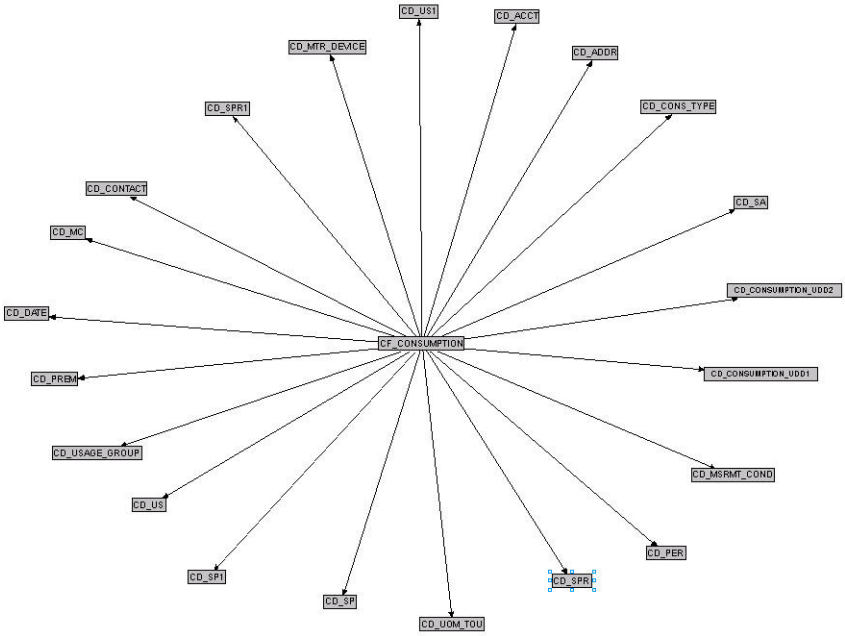
Column	OBIEE Field	Load
UDF7_DESCR	User Defined Field 7 Description	
UDF8_CD	User Defined Field Code	
UDF8_DESCR	User Defined Field 8 Description	
UDF9_CD	User Defined Field Code	
UDF9_DESCR	User Defined Field 9 Description	
UDF10_CD	User Defined Field Code	
UDF10_DESCR	User Defined Field 10 Description	
	Month	trim(trailing ' ' from UDF5_DESCR || ' ' || cast(CAL_YEAR as CHARACTER (30)))
	Quarter	trim(trailing ' ' from UDF2_DESCR || ' ' || cast(CAL_YEAR as CHARACTER (30)))
	Calendar Day (Only Date)	cast(CAL_DT as DATE)

Fact Table Schema

Consumption Snapshot Fact <CF_CONSUMPTION>

The Consumption Snapshot fact stores the summarized consumption of every active service point in the system.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Materialized Views	B1_CONSUMPTION_MON_MV1 B1_CONSUMPTION_MON_TOPX_MV1

Fields

Field	OBIEE Field	Load
CONSUMPTION_KEY	SP Consumption Fact Key	Sequence: OUBI_CONSUMPTION_KEY _SEQ
SRC_SP_ID	Source Service Point ID	SERVICE_PT1_ID

Field	OBIEE Field	Load
SRC_MC_ID	Source Measuring Component ID	MC_ID
SRC_CONS_SNAPSHOT_TYPE_CD	Consumption Snapshot Type Code	Stage: CONSUMPTION_SNAP_TYPE_CD
SRC_TOU_CD	TOU Code	Stage: TOU_CD
SRC_MSRMT_COND_CD	Measurement Condition Code	Stage: MEASUREMENT_COND_CD
QUANTITY	Quantity	Stage: QUANTITY
NUM_MSRMT	Number of Measurements	Stage: NO_OF_MEASUREMENT
NUM_MIN	Numbers of Minutes	Stage: NO_OF_MINS
CONS_SNAPSHOT_TYPE_KEY	Consumption Snapshot Type Dimension Foreign Key	Join: Required CD_CONS_TYPE.CONSUMPTION_SNAP_TYPE_CD
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	Join: Required CD_MTR_DEVICE.DEVICE_ID
MC_KEY	Measuring Component Dimension Foreign Key	Join: Required CD_MC.MC_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER2_ID
SP1_KEY	Service Point Dimension Foreign Key	Join: Required CD_SP.SERVICE_PT1_ID
SP2_KEY	Service Point Dimension Foreign Key	Join: Optional CD_SP.SERVICE_PT2_ID
ADDR_KEY	Address Dimension Foreign Key	Join: Required CD_ADDR.ADDRESS1_ID
US1_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB1_ID
US2_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB2_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Join: Optional CD_USAGE_GROUP.USAGE_GRP_CD
CONTACT_KEY	Contact Dimension Foreign Key	Join: Optional CD_CONTACT.CONTACT_ID

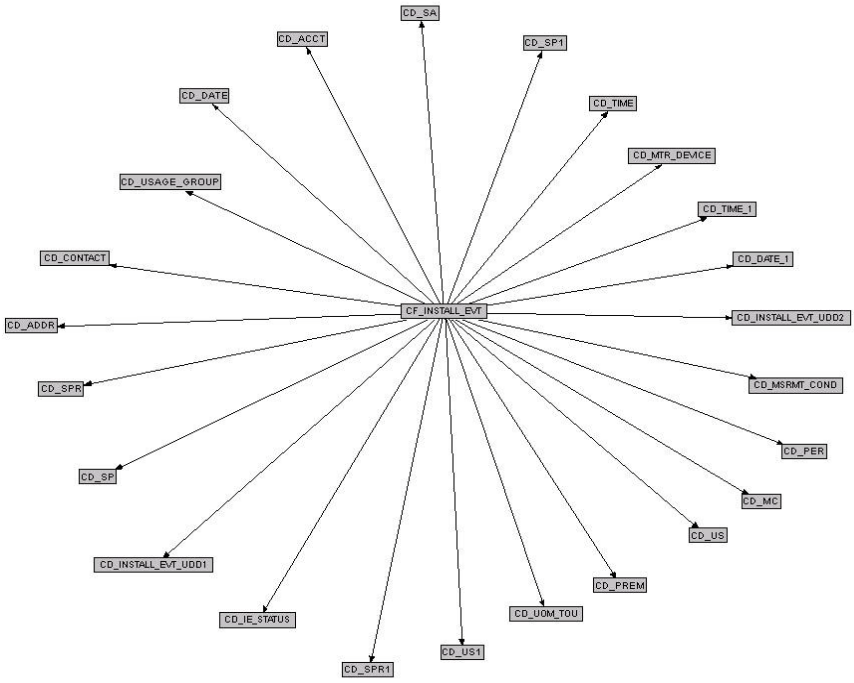
Field	OBIEE Field	Load
MSRMT_COND_KEY	Measurement Condition Code Dimension Foreign Key	Join: Required CD_MSRMT_COND.MEASUREMENT_COND_CD
UOM_TOU_KEY	UOM/TOU Dimension Foreign Key	Join: Required CD_UOM_TOU.UOM_CD
SNAPSHOT_DT	Snapshot Date	Join: Optional SNAPSHOT_DT
DATE_KEY	Date Dimension Foreign Key	
SNAP_TYPE_CD	Snapshot Frequency Type	Join: Required CD_SNAP_TYPE.SNAPSHOT_TYPE
PER_KEY	CCB Person Dimension Foreign Key	Join: Optional CD_PER.CCB_PERSON_ID
ACCT_KEY	CCB Account Dimension Foreign Key	Join: Optional CD_ACCT.CCB_ACCNT_ID
SA_KEY	CCB SA Dimension Foreign Key	Join: Optional CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	Join: Optional CD_PREM.CCB_PREMISE_ID
CONSUMPTION_UDD1_KEY	User Defined Degenerate Dimension 1	Join:Optional CD_CONSUMPTION_UDD1.UDD1_CD
CONSUMPTION_UDD2_KEY	User Defined Degenerate Dimension 2	Join: Optional CD_CONSUMPTION_UDD2.UDD2_CD
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
UDM6	User Defined Measure 6	Stage: UDM6
UDM7	User Defined Measure 7	Stage: UDM7
UDM8	User Defined Measure 8	Stage: UDM8
UDM9	User Defined Measure 9	Stage: UDM9
UDM10	User Defined Measure 10	Stage: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDD2

Field	OBIEE Field	Load
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Stage: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Stage: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Stage: UDLDD1
UDDGENL2	User Defined Long Degenerate Dimension 2	Stage: UDLDD2
UDDGENL3	User Defined Long Degenerate Dimension 3	Stage: UDLDD3
UDDGENL4	User Defined Long Degenerate Dimension 4	Stage: UDLDD4
UDDGENL5	User Defined Long Degenerate Dimension 5	Stage: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Stage: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Stage: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Stage: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Stage: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Stage: UDDFK_ID5
FACT_CNT	Count	Numeric Constant: 1
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR
	Quantity	SUM (CF_CONSUMPTION. QUANTITY) Grouped by TOU, Year month

Installation Event Fact <CF_INSTALL_EVT>

The Installation Event fact stores the new and deleted installation events on a day/month/week.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Accumulation
Materialized Views	B1_INSTALL_EVT_MON_MV1 B1_INSTALL_EVT_MON_MV2

Fields

Field	OBIEE Field	Load
INSTALL_EVT_KEY	Install Event Fact Key	Sequence: Required OUBI_SEQ_INSTALL_EVT_KEY
SRC_INSTALL_EVT_ID	Source Install Event ID	Stage: Required INSTALL_EVENT_ID
DURATION	Duration	Stage: DURATION

Field	OBIEE Field	Load
IE_STATUS_KEY	Install Event Status Dimension Foreign Key	Join: Required CD_IE_STATUS.BO_STATUS_CD
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	CD_MTR_DEVICE.DEVICE_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER2_ID
SP1_KEY	Service Point Dimension Foreign Key	Join: Required CD_SP.SERVICE_POINT1_ID
SP2_KEY	Service Point Dimension Foreign Key	Join: Optional CD_SP.SERVICE_POINT2_ID
ADDR_KEY	Address Dimension Foreign Key	Join: Required CD_ADDR.ADDRESS1_ID
US1_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB1_ID
US2_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB2_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Join: Optional CD_USAGE_GROUP.USAGE_GRP_CD
CONTACT_KEY	Contact Dimension Foreign Key	CD_CONTACT.CONTACT_ID
INSTALL_DATE_KEY	Date Dimension Foreign Key	Join: Required CD_DATE.INSTALL_DT
INSTALL_TIME_KEY	Time Dimension Foreign Key	Join: Required CD_TIME.INSTALL_TIME
INSTALL_DTTM	Install Date/Time	Join: Optional INSTALL_DT_TIME
REMOVAL_DATE_KEY	Date Dimension Foreign Key	Join: Optional CD_DATE.REMOVAL_DT
REMOVAL_TIME_KEY	Time Dimension Foreign Key	Join: Optional CD_TIME.REMOVAL_TIME
REMOVAL_DTTM	Removal Date/Time	Join: Optional REMOVAL_DT_TIME
PER_KEY	CCB Person Dimension Foreign Key	Join: Optional CD_PER.CCB_PERSON_ID
ACCT_KEY	CCB Account Dimension Foreign Key	Join: Optional CD_ACCT.CCB_ACCNT_ID

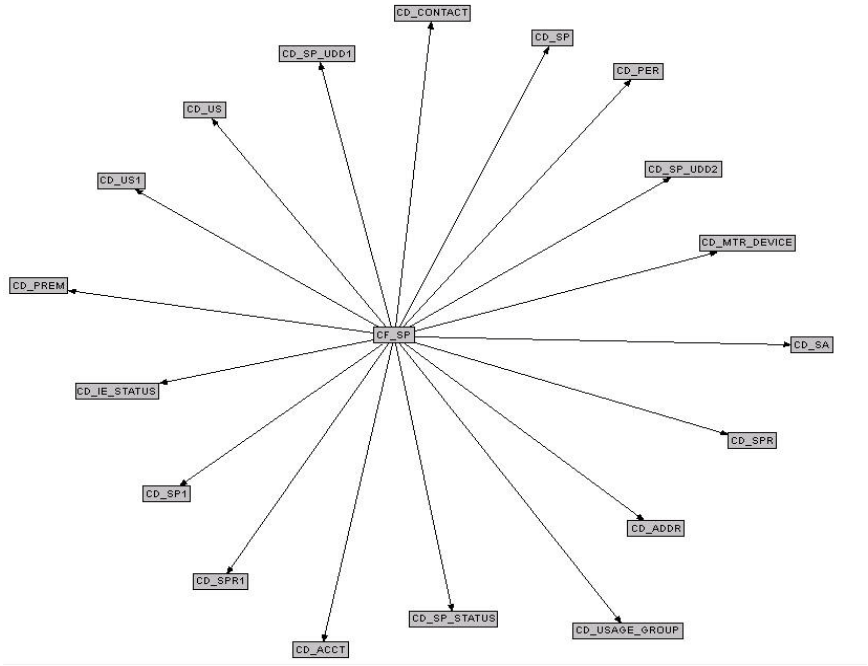
Field	OBIEE Field	Load
SA_KEY	CCB SA Dimension Foreign Key	Join: Optional CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	CD_PREM.CCB_PREMISE_ID
INSTALL_EVT_UDD1_KEY	User Defined Degenerate Dimension 1	Join: Optional CD_INSTALL_EVT_UDD1.UDD1_CD
INSTALL_EVT_UDD2_KEY	User Defined Degenerate Dimension 2	Join: Optional CD_ INSTALL_EVT _UDD2.UDD2_CD
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
UDM6	User Defined Measure 6	Stage: UDM6
UDM7	User Defined Measure 7	Stage: UDM7
UDM8	User Defined Measure 8	Stage: UDM8
UDM9	User Defined Measure 9	Stage: UDM9
UDM10	User Defined Measure 10	Stage: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDD2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Stage: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Stage: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Stage: UDLDD1
UDDGENL2	User Defined Long Degenerate Dimension 2	Stage: UDLDD2
UDDGENL3	User Defined Long Degenerate Dimension 3	Stage: UDLDD3
UDDGENL4	User Defined Long Degenerate Dimension 4	Stage: UDLDD4

Field	OBIEE Field	Load
UDDGENL5	User Defined Long Degenerate Dimension 5	Stage: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Stage: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Stage: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Stage: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Stage: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Stage: UDDFK_ID5
FACT_CNT	Fact Count	Numeric Constant: 1
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR
	Installed Devices	SUM(CF_INSTALL_EVT.FACT_CNT) Grouped by month and year based on CF_INSTALL_EVT. INSTALL_DATE_KEY. Past 15 months.
	Removed Devices	SUM(CF_INSTALL_EVT.FACT_CNT) Grouped by month and year based on CF_INSTALL_EVT. REMOVAL_DATE_KEY. Past 15 months.
	Grand Total	SUM (Devices Count)

Service Point Fact <CF_SP>

The Service Point fact stores the current state of a Service Point with the latest installation status.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Accumulation
Materialized Views	B1_SP_MV1

Fields

Field	OBIEE Field	Load
SP_KEY	SP Fact Key	Sequence: Required OUBI_SEQ_SP_KEY
SRC_SP_ID	Source Service Point ID	Stage: Required SERVICE_POINT1_ID
DEVICE_STATUS	Device On/Off Status	INSTALL_EVENT_HFLAG
SP_CONN_STATUS	Service Point Connection Status	
SP_STATUS_KEY	Service Point Status Dimension Foreign Key	Join: Required CD_SP_STATUS.BO_STATUS_CD

Field	OBIEE Field	Load
IE_STATUS_KEY	Install Event Status Dimension Foreign Key	Join: Optional CD_IE_STATUS.INSTALL_EVENT_BO_CD
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	Join: Optional CD_MTR_DEVICE.DEVICE_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER2_ID
SP1_KEY	Service Point Dimension Foreign Key	Join: Required CD_SP.SERVICE_POINT1_ID
SP2_KEY	Service Point Dimension Foreign Key	Join: Optional CD_SP.SERVICE_POINT2_ID
ADDR_KEY	Address Dimension Foreign Key	Join: Required CD_ADDR.ADDRESS1_ID
US1_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB1_ID
US2_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB2_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Join: Optional CD_USAGE_GROUP.USAGE_GRP_CD
CONTACT_KEY	Contact Dimension Foreign Key	Join: Optional CD_CONTACT.CONTACT_ID
PER_KEY	CCB Person Dimension Foreign Key	Join: Optional CD_PER.CCB_PERSON_ID
ACCT_KEY	CCB Account Dimension Foreign Key	Join: Optional CD_ACCT.CCB_ACCNT_ID
SA_KEY	CCB SA Dimension Foreign Key	Join: Optional CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	Join: Optional CD_PREM.CCB_PREMISE_ID
SP_UDD1_KEY	User Defined Degenerate Dimension 1	Join: Optional CD_SP_UDD1.UDD1_CD
SP_UDD2_KEY	User Defined Degenerate Dimension 2	Join: Optional CD_SP_UDD2.UDD2_CD
UDM1	User Defined Measure 1	Fixed Decimal: UDM1
UDM2	User Defined Measure 2	Fixed Decimal: UDM2

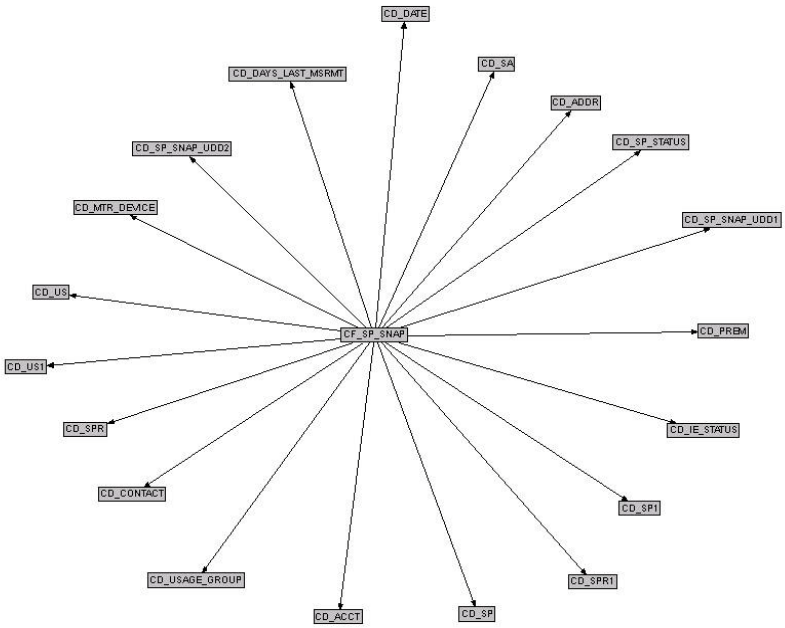
Field	OBIEE Field	Load
UDM3	User Defined Measure 3	Fixed Decimal: UDM3
UDM4	User Defined Measure 4	Fixed Decimal: UDM4
UDM5	User Defined Measure 5	Fixed Decimal: UDM5
UDM6	User Defined Measure 6	Fixed Decimal: UDM6
UDM7	User Defined Measure 7	Fixed Decimal: UDM7
UDM8	User Defined Measure 8	Fixed Decimal: UDM8
UDM9	User Defined Measure 9	Fixed Decimal: UDM9
UDM10	User Defined Measure 10	Fixed Decimal: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Fixed Decimal: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Fixed Decimal: UDDD2
UDDGEN3	User Defined Degenerate Dimension 3	Fixed Decimal: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Fixed Decimal: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Fixed Decimal: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Fixed Decimal: UDLDD1
UDDGENL2	User Defined Long Degenerate Dimension 2	Fixed Decimal: UDLDD2
UDDGENL3	User Defined Long Degenerate Dimension 3	Fixed Decimal: UDLDD3
UDDGENL4	User Defined Long Degenerate Dimension 4	Fixed Decimal: UDLDD4
UDDGENL5	User Defined Long Degenerate Dimension 5	Fixed Decimal: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Fixed Decimal: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Fixed Decimal: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Fixed Decimal: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Fixed Decimal: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Fixed Decimal: UDDFK_ID5
FACT_CNT	Fact Count	Numeric Constant: 1

Field	OBIEE Field	Load
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR
	Devices Count	SUM(CF_SP.FACT_CNT) Grouped by device status and device cateogory
	% Total	(Devices Count / Grand Total) * 100
	Grand Total	SUM (Devices Count)

Service Point Snapshot Fact <CF_SP_SNAP>

The Service Point Snapshot fact keeps track of the various service points and/or devices that are installed over a period of time.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Materialized Views	B1_SP_SNAP_MON_MV1 B1_SP_SNAP_MON_TOPX_MV1

Fields

Field	OBIEE Field	Load
SP_SNAP_KEY	SP Snapshot Fact Key	Sequence: Required OUBI_SP_SNAP_SEQ
SRC_SP_ID	Source Service Point ID	Stage: Required SERVICE_POINT1_ID
DEVICE_STATUS	Device On/Off Status	

Field	OBIEE Field	Load
SP_CONN_STATUS	Service Point Connection Status	Stage: SP_SOURCE_STATUS_FLAG
DAYS_LAST_MSRMT	Days since last normal measurement	Stage: DAYS_LAST_MEASR_CD
NVR_RECD_MSRMT_IND	Never Received Measurement Indicator	Stage: NEVER_RECV_MEASR
SP_STATUS_KEY	Service Point Status Dimension Foreign Key	Join: Required CD_SP_STATUS.SP_BO_STATUS_CD
IE_STATUS_KEY	Install Event Status Dimension Foreign Key	Join: Optional CD_IE_STATUS.IE_BO_STATUS_CD
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	Join: Optional CD_MTR_DEVICE.DEVICE_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER2_ID
SP1_KEY	Service Point Dimension Foreign Key	Join: Required CD_SP.SERVICE_POINT1_ID
SP2_KEY	Service Point Dimension Foreign Key	Join: Optional CD_SP.SERVICE_POINT2_ID
ADDR_KEY	Address Dimension Foreign Key	Join: Required CD_ADDR.ADDRESS1_ID
US1_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB1_ID
US2_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB2_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Join: Optional CD_USAGE_GROUP.USAGE_GRP_CD
CONTACT_KEY	Contact Dimension Foreign Key	Join: Optional CD_CONTACT.CONTACT_ID
DAYS_LAST_MSRMT_KEY	Days Since Last Normal Measurement Dimension Foreign Key	Join: Optional CD_DAYS_LAST_MSRMT.DAYS_LAST_MEASR
SNAPSHOT_DT	Snapshot Date	Stage: SNAPSHOT_DT
DATE_KEY	Date Dimension Foreign Key	

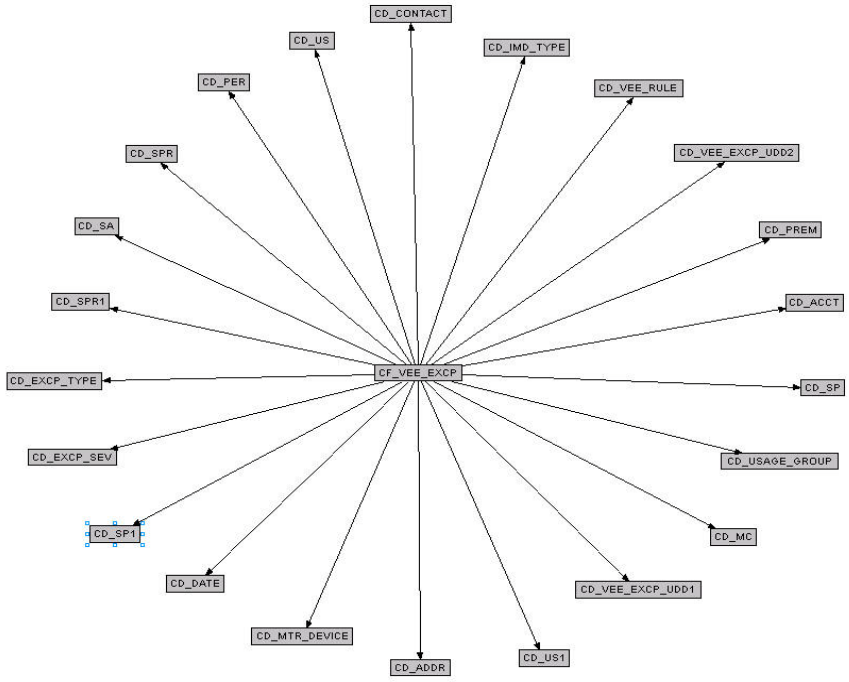
Field	OBIEE Field	Load
SNAP_TYPE_CD	Snapshot Frequency Type	Join: Required CD_SNAP_TYPE.SNAPSHOT_TYPE
PER_KEY	CCB Person Dimension Foreign Key	Join: Optional CD_PER.CCB_PERSON_ID
ACCT_KEY	CCB Account Dimension Foreign Key	Join: Optional CD_ACCT.CCB_ACCNT_ID
SA_KEY	CCB SA Dimension Foreign Key	Join: Optional CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	CD_PREM.CCB_PREMISE_ID
SP_SNAP_UDD1_KEY	User Defined Degenerate Dimension 1	Join: Optional CD_SP_SNAP_UDD1.UDD1_CD
SP_SNAP_UDD2_KEY	User Defined Degenerate Dimension 2	Join: Optional CD_SP_SNAP_UDD2.UDD2_CD
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
UDM6	User Defined Measure 6	Stage: UDM6
UDM7	User Defined Measure 7	Stage: UDM7
UDM8	User Defined Measure 8	Stage: UDM8
UDM9	User Defined Measure 9	Stage: UDM9
UDM10	User Defined Measure 10	Stage: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDD2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Stage: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Stage: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Stage: UDLDD1

Field	OBIEE Field	Load
UDDGENL2	User Defined Long Degenerate Dimension 2	Stage: UDLDD2
UDDGENL3	User Defined Long Degenerate Dimension 3	Stage: UDLDD3
UDDGENL4	User Defined Long Degenerate Dimension 4	Stage: UDLDD4
UDDGENL5	User Defined Long Degenerate Dimension 5	Stage: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Stage: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Stage: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Stage: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Stage: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Stage: UDDFK_ID5
FACT_CNT	Fact Count	Numeric Constant: 1
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR
	Installed Devices	SUM(CF_SP_SNAP.FACT_CNT) Grouped by the slice-by category
	Grand Total	SUM (Devices Count)
	Rank	Rank(CF_SP_SNAP.DAYS_LAST_MSRMT) Filter Condition: <= 100

Service Point VEE Exception Fact <CF_VEE_EXCP>

The Service Point VEE Exception fact stores the count of the initial measurements that have resulted in exceptions during processing, as well the ones that did not result in any exception.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Materialized Views	B1_VEE_EXCP_MON_MV1 B1_VEE_EXCP_TOPX_MON_MV1

Fields

Field	OBIEE Field	Load
VEE_EXCP_KEY	VEE Exception Fact Key	Sequence: Required OUBI_VEE_EXCP_SEQ
SRC_SP_ID	Source Service Point ID	Stage: Required SERVICE_POINT1_ID

Field	OBIEE Field	Load
SRC_MC_ID	Source Measuring Component ID	
SRC_EXCP_TYPE_CD	Exception Type Code	Stage: Required EXCEP_TYPE_CD
SRC_IMD_TYPE_CD	IMD Type Code	Stage: Required IMD_TYPE_CD
SRC_EXCP_SEV_CD	Severity Code	Stage: Required SEVERITY_CD
SRC_VEE_GRP_CD	Source VEE Group Code	Stage: Required VEE_GRP_CD
SRC_VEE_RULE_CD	Source VEE Rule Code	Stage: Required VEE_RULE_CD
IMD_COUNT	Number of IMD's with this exception	Stage: NO_IMD_EXCEP
IMD_COUNT_NO_EXCP	Number of IMD's without exceptions	Stage: NO_IMD_WO_EXCP
IMD_COUNT_DISTINCT	Number of IMD's with atleast one exception	Stage: NO_IMD_EXCP_DISTINCT
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	Stage: Required CD_MTR_DEVICE.DEVICE_ID
MC_KEY	Measuring Component Dimension Foreign Key	Stage: Required CD_MC.MC_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Stage: CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Join: Optional CD_SPR.SERVICE_PROVIDER2_ID
SP1_KEY	Service Point Dimension Foreign Key	Join: Required CD_SP.SERVICE_POINT1_ID
SP2_KEY	Service Point Dimension Foreign Key	Join: Optional CD_SP.SERVICE_POINT2_ID
ADDR_KEY	Address Dimension Foreign Key	Join: Required CD_ADDR.ADDRESS1_ID
US1_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB1_ID
US2_KEY	Usage Subscription Dimension Foreign Key	Join: Optional CD_US.USAGE_SUB2_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Join: Optional CD_USAGE_GROUP.USAGE_GRP_CD

Field	OBIEE Field	Load
CONTACT_KEY	Contact Dimension Foreign Key	Join: Optional CD_CONTACT.CONTACT_ID
EXCP_TYPE_KEY	Exception Type Dimension Foreign Key	Join: Required CD_EXCP_TYPE.EXCEP_TYPE_CD
IMD_TYPE_KEY	IMD Type Dimension Foreign Key	Join: Required CD_IMD_TYPE.IMD_TYPE_CD
EXCP_SEV_KEY	Exception Severity Dimension Foreign Key	Join: Required CD_EXCP_SEV.SEVERITY_CD
VEE_RULE_KEY	VEE Rule Dimension Foreign Key	Join: Required CD_VEE_RULE.VEE_RULE_CD
SNAPSHOT_DT	Snapshot Date	Join: Optional SNAPSHOT_DT
DATE_KEY	Date Dimension Foreign Key	
SNAP_TYPE_CD	Snapshot Frequency Type	Join: Required CD_SNAP_TYPE.SNAPSHOT_TYPE
PER_KEY	CCB Person Dimension Foreign Key	Join: Optional CD_PER.CCB_PERSON_ID
ACCT_KEY	CCB Account Dimension Foreign Key	Join: Optional CD_ACCT.CCB_ACCNT_ID
SA_KEY	CCB SA Dimension Foreign Key	Join: Optional CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	Join: Optional CD_PREM.CCB_PREMISE_ID
VEE_EXCP_UDD1_KEY	User Defined Degenerate Dimension 1	Join: Optional CD_VEE_EXCP_UDD1.UDD1_CD
VEE_EXCP_UDD2_KEY	User Defined Degenerate Dimension 2	Join: Optional CD_VEE_EXCP_UDD2.UDD2_CD
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
UDM6	User Defined Measure 6	Stage: UDM6
UDM7	User Defined Measure 7	Stage: UDM7

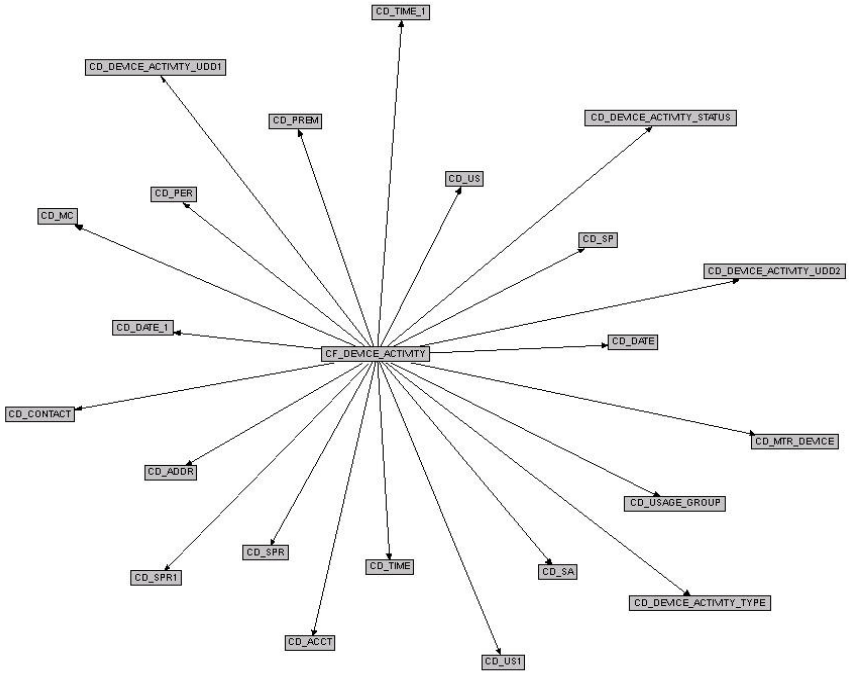
Field	OBIEE Field	Load
UDM8	User Defined Measure 8	Stage: UDM8
UDM9	User Defined Measure 9	Stage: UDM9
UDM10	User Defined Measure 10	Stage: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDD2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Stage: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Stage: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Stage: UDLDD1
UDDGENL2	User Defined Long Degenerate Dimension 2	Stage: UDLDD2
UDDGENL3	User Defined Long Degenerate Dimension 3	Stage: UDLDD3
UDDGENL4	User Defined Long Degenerate Dimension 4	Stage: UDLDD4
UDDGENL5	User Defined Long Degenerate Dimension 5	Stage: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Stage: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Stage: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Stage: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Stage: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Stage: UDDFK_ID5
FACT_CNT	Fact Count	Numeric Constant: 1
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Field	OBIEE Field	Load
	% of of TotalMeasurement With Exception	(Initial Measurements with Exceptions / Grand Total(Initial Measurement with Exception + Initial Measurement with No Exception)) * 100
	Exceptions	SUM(CF_VEE_EXCP.IMD_COUNT) Where SRC_EXCP_TYPE is not ***
	% of Total	(Count of Exceptions / Grand Total) * 100
	Grand Total	SUM(CF_VEE_EXCP.IMD_COUNT)
	Yearly Average	Count of Exceptions by year/12
	Trend	sum(CF_VEE_EXCP.IMD_COUNT) - AGO("Core"."CF_VEE_EXCP"."IMD_COUNT", "Core"."CD_DATEDim"."Month" ,1)
	Count of Exceptions	SUM(CF_VEE_EXCP.IMD_COUNT) Where SRC_EXCP_TYPE is not blank
	Initial Measurement with ExceptionInitial	"CF_VEE_EXCP"."IMD_COUNT_DISTINCT"
	% Initial Measurements with Exceptions	Initial Measurement with Exception/(Initial Measurement with Exception + Initial Measurement with No Exception) *100
	Grand Total	SUM(CF_VEE_EXCP.IMD_COUNT)

Device Activity Fact <CF_DEVICE_ACTIVITY>

The Device Activity fact stores the various activities created and completed in the system, as well the duration taken to complete them.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Accumulation
Materialized View	B1_DEVICE_ACTIVITY_MON_MV1 B1_DEV_ACT_TOPX_MON_MV1

Fields

Field	OBIEE Field	Load
DEVICE_ACTIVITY_KEY	Device Activity Fact Key	Sequence: Required OUBI_DEVICE_ACTIVITY_SEQ
SRC_ DEVICE_ACTIVITY_ID	Source Device Activity ID	Stage: Required DEVICE_ACTIVITY_ID

Field	OBIEE Field	Load
DURATION	Duration	Stage: DURATION
DEVICE_ACTIVITY_STATUS_KEY	Device Activity Status Dimension Foreign Key	Stage: Required CD_DEVICE_ACTIVITY_STATUS.DEVICE_BO_STATUS_CD
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	Stage: CD_MTR_DEVICE.DEVICE_ID
MC_KEY	Measuring Component Dimension Foreign Key	Stage: CD_MC.MC_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Stage: CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Stage: CD_SPR.SERVICE_PROVIDER2_ID
SP_KEY	Service Point Dimension Foreign Key	Stage: CD_SP.SERVICE_POINt_ID
ADDR_KEY	Address Dimension Foreign Key	Stage: CD_ADDR.ADDRESS1_ID
US1_KEY	Usage Subscription Dimension Foreign Key	Stage: CD_US.USAGE_SUB1_ID
US2_KEY	Usage Subscription Dimension Foreign Key	Stage: CD_US.USAGE_SUB2_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Stage: CD_USAGE_GROUP.USAGE_GRP_CD
CONTACT_KEY	Contact Dimension Foreign Key	Stage: CD_CONTACT.CONTACT_ID
DEVICE_ACTIVITY_TYPE_KEY	Device Activity Type Dimension Foreign Key	Stage: Required CD_DEVICE_ACTIVITY_TYPE.ACTIVITY_TYPE_CD
START_DATE_KEY	Start Date Dimension Foreign Key	Stage: CD_DATE.START_DT
START_TIME_KEY	Start Time Dimension Foreign Key	Stage: CD_TIME.START_TIME
START_DTTM	Start Date/Time	Stage: START_DT_TIME
END_DATE_KEY	End Date Dimension Foreign Key	Stage: CD_DATE.END_DT
END_TIME_KEY	End Time Dimension Foreign Key	Stage: CD_TIME.END_TIME
END_DTTM	End Date/Time	Stage: END_DT_TIME

Field	OBIEE Field	Load
PER_KEY	CCB Person Dimension Foreign Key	Stage: CD_PER.CCB_PERSON_ID
ACCT_KEY	CCB Account Dimension Foreign Key	Stage: CD_ACCT.CCB_ACCNT_ID
SA_KEY	CCB SA Dimension Foreign Key	Stage: CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	Stage: CD_PREM.CCB_PREMISE_ID
DEVICE_ACTIVITY_UDD1_KEY	User Defined Degenerate Dimension 1	Stage: CD_DEVICE_ACTIVITY_UDD1.UDD1_CD
DEVICE_ACTIVITY_UDD2_KEY	User Defined Degenerate Dimension 2	Stage: CD_DEVICE_ACTIVITY_UDD2.UDD2_CD
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
UDM6	User Defined Measure 6	Stage: UDM6
UDM7	User Defined Measure 7	Stage: UDM7
UDM8	User Defined Measure 8	Stage: UDM8
UDM9	User Defined Measure 9	Stage: UDM9
UDM10	User Defined Measure 10	Stage: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDD2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Stage: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Stage: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Stage: UDLDD1
UDDGENL2	User Defined Long Degenerate Dimension 2	Stage: UDLDD2

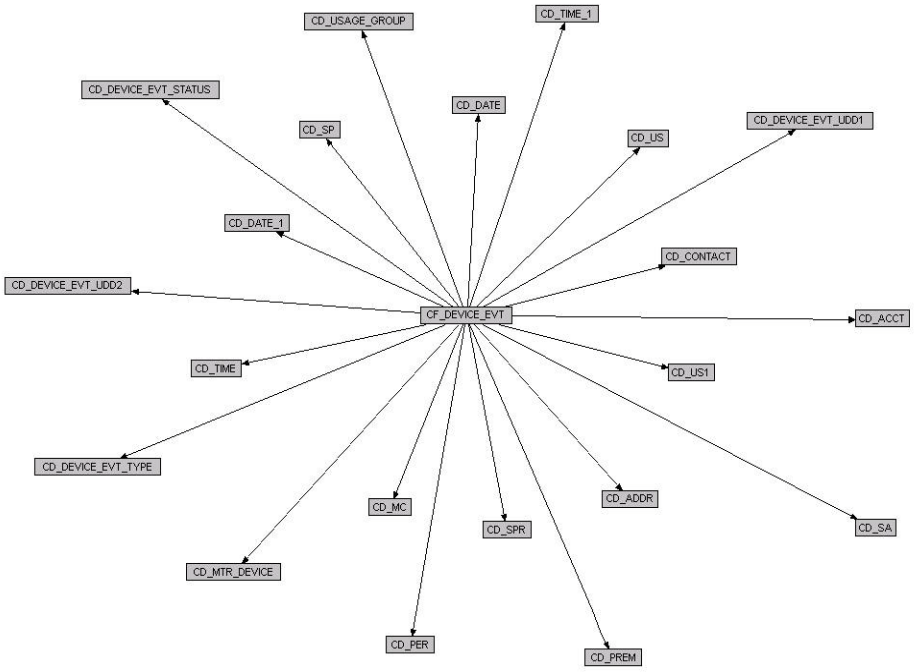
Field	OBIEE Field	Load
UDDGENL3	User Defined Long Degenerate Dimension 3	Stage: UDLDD3
UDDGENL4	User Defined Long Degenerate Dimension 4	Stage: UDLDD4
UDDGENL5	User Defined Long Degenerate Dimension 5	Stage: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Stage: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Stage: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Stage: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Stage: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Stage: UDDFK_ID5
FACT_CNT	Fact Count	Numeric Constant: 1
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR
	Activities	SUM (CF_DEVICE_ACTIVITY .FACT_CNT)
	Total	SUM (SUM (CF_DEVICE_ACTIVITY .FACT_CNT))
	Average Completion Time (DD - HH:MI:SS)	This field is calculated as the average completion duration of all activities based on the selected prompt values displayed in the DD - HH:MI:SS formatting.
	Grand Total	SUM (SUM (CF_DEVICE_ACTIVITY .FACT_CNT))
	Activity Count for last 15 months	SUM (CF_DEVICE_ACTIVITY.FACT_CNT)
	% of Total	(Activities / Grand Total) * 100
	Grand Total	SUM(Activities)
	Actual Activity Duration	This field is calculated as the sum of duration of all the activities based on the selected prompt values displayed in seconds.

Field	OBIEE Field	Load
	RANK	RANK ("CF_DEVICE_ACTIVITY"."DURATION")

Device Event Fact <CF_DEVICE_EVT>

The Device Event fact stores various events created and completed in the system, as well the duration taken to complete them.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Accumulation
Materialized Views	B1_DEVICE_EVT_MON_MV1 B1_DEVICE_EVT_MON_TOPX_MV1

Fields

Field	OBIEE Field	Load
DEVICE_EVT_KEY	Device Event Fact Key	Sequence: Required OUBI_DEVICE_EVT_SEQ
SRC_ DEVICE_EVT_ID	Source Device Event ID	Stage: Required DEVICE_EVENT_ID
DURATION	Duration	Stage: DURATION

Field	OBIEE Field	Load
DEVICE_EVT_STATUS_KEY	Device Event Status Dimension Foreign Key	Stage: Required CD_DEVICE_EVT_STATUS.BO_STATUS_CD
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	Stage: Required CD_MTR_DEVICE.Device ID
MC_KEY	Measuring Component Dimension Foreign Key	Stage: CD_MC.MC_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Stage: CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Stage: CD_SPR.SERVICE_PROVIDER2_ID
SP_KEY	Service Point Dimension Foreign Key	Stage: CD_SP.SERVICE_POINt_ID
ADDR_KEY	Address Dimension Foreign Key	Stage: CD_ADDR.ADDRESS1_ID
US1_KEY	Usage Subscription Dimension Foreign Key	Stage: CD_US.USAGE_SUB1_ID
US2_KEY	Usage Subscription Dimension Foreign Key	Stage: CD_US.USAGE_SUB2_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Stage: CD_USAGE_GROUP.USAGE_GRP_CD
CONTACT_KEY	Contact Dimension Foreign Key	Stage: CD_CONTACT.CONTACT_ID
DEVICE_EVT_TYPE_KEY	Device Event Type Dimension Foreign Key	Stage: Required CD_DEVICE_EVT_TYPE.DEVICE_EVENT_TYPE_CD
START_DATE_KEY	Start Date Dimension Foreign Key	Stage: Required CD_DATE.START_DT
START_TIME_KEY	Start Time Dimension Foreign Key	Stage: Required CD_TIME.START_TIME
START_DTTM	Start Date/Time	Stage: START_DT_TIME
END_DATE_KEY	End Date Dimension Foreign Key	Stage: CD_DATE.END_DT
END_TIME_KEY	End Time Dimension Foreign Key	Stage: CD_TIME.END_TIME
END_DTTM	End Date/Time	Stage: END_DT_TIME
PER_KEY	CCB Person Dimension Foreign Key	Stage: CD_PER.CCB_PERSON_ID

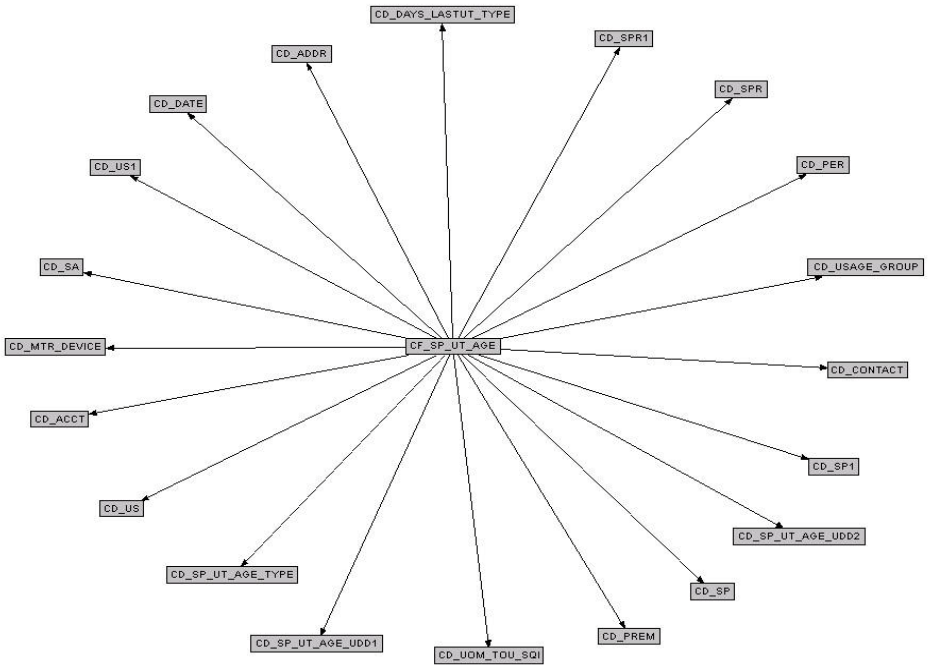
Field	OBIEE Field	Load
ACCT_KEY	CCB Account Dimension Foreign Key	Stage: CD_ACCT.CCB_ACCNT_ID
SA_KEY	CCB SA Dimension Foreign Key	Stage: CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	Stage: CD_PREM.CCB_PREMISE_ID
DEVICE_EVT_UDD1_KEY	User Defined Degenerate Dimension 1	Stage: CD_DEVICE_EVT_UDD1.UDD1_CD
DEVICE_EVT_UDD2_KEY	User Defined Degenerate Dimension 2	Stage: CD_DEVICE_EVT_UDD2.UDD2_CD
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
UDM6	User Defined Measure 6	Stage: UDM6
UDM7	User Defined Measure 7	Stage: UDM7
UDM8	User Defined Measure 8	Stage: UDM8
UDM9	User Defined Measure 9	Stage: UDM9
UDM10	User Defined Measure 10	Stage: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDD2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Stage: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Stage: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Stage: UDLDD1
UDDGENL2	User Defined Long Degenerate Dimension 2	Stage: UDLDD2
UDDGENL3	User Defined Long Degenerate Dimension 3	Stage: UDLDD3

Field	OBIEE Field	Load
UDDGENL4	User Defined Long Degenerate Dimension 4	Stage: UDLDD4
UDDGENL5	User Defined Long Degenerate Dimension 5	Stage: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Stage: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Stage: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Stage: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Stage: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Stage: UDDFK_ID5
FACT_CNT	Fact Count	Numeric Constant: 1
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR

Service Point Usage Transaction Aging Fact <CF_SP_UT_AGE>

The Service Point Usage Transaction Aging fact stores the consumption quantities that have not appeared on a usage transaction. The quantities are stored in terms of buckets.

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Materialized Views	B1_SP_UT_AGE_MON_MV1 B1_SP_UT_AGE_MON_TOPX_MV1

Fields

Field	OBIEE Field	Load
SP_UT_AGE_KEY	SP Usage Transaction Aging Fact Key	Sequence: Required OUBI_SP_UT_AGE_SEQ
SRC_SP_ID	Source Service Point ID	Stage: Required SERVICE_POINT1_ID
SRC_SP_UT_AGE_TYPE_CD	SP Usage Transaction Aging Type Code	Stage: Required USAGE_TRANS_CD

Field	OBIEE Field	Load
CONS_AFT_LAST_UT	Consumption after last usage transaction	Stage: CONSUM_LAST_TRAS
CONS_AFT_LAST_UT_BUCKET1	Consumption after last UT in bucket 1	Stage: CONSUM_LAST_UT_BUCK1
CONS_AFT_LAST_UT_BUCKET1_DESCR	Consumption after last UT - Bucket 1 Description	Stage: CONSUM_LAST_UT_BUCK1_DESC
CONS_AFT_LAST_UT_BUCKET2	Consumption after last UT in bucket 2	Stage: CONSUM_LAST_UT_BUCK2
CONS_AFT_LAST_UT_BUCKET2_DESCR	Consumption after last UT - Bucket 2 Description	Stage: CONSUM_LAST_UT_BUCK2_DESC
CONS_AFT_LAST_UT_BUCKET3	Consumption after last UT in bucket 3	Stage: CONSUM_LAST_UT_BUCK3
CONS_AFT_LAST_UT_BUCKET3_DESCR	Consumption after last UT - Bucket 3 Description	Stage: CONSUM_LAST_UT_BUCK3_DESC
CONS_AFT_LAST_UT_BUCKET4	Consumption after last UT in bucket 4	Stage: CONSUM_LAST_UT_BUCK4
CONS_AFT_LAST_UT_BUCKET4_DESCR	Consumption after last UT - Bucket 4 Description	Stage: CONSUM_LAST_UT_BUCK4_DESC
DAYS_LAST_UT	Days since last Usage Transaction	Stage: DAYS_LAST_TRANS
DAYS_LASTUT_TYPE_KEY	Days since last Usage Transaction bucket	Stage: CD_DAYS_LASTUT_TYPE.DAYS_LAST_TRANS_TP_CD
SP_UT_AGE_TYPE_KEY	SP Usage Transaction Aging Snapshot Type Dimension Foreign Key	Stage: Required CD_UT_AGE_TYPE.USAGE_TRANS_CD
MTR_DEVICE_KEY	Meter Device Dimension Foreign Key	Stage: CD_MTR_DEVICE.DEVICE_ID
SPR1_KEY	Service Provider Dimension Foreign Key	Stage: CD_SPR.SERVICE_PROVIDER1_ID
SPR2_KEY	Service Provider Dimension Foreign Key	Stage: CD_SPR.SERVICE_PROVIDER2_ID
SP1_KEY	Service Point Dimension Foreign Key	Stage: Required CD_SP.SERVICE_POINT1_ID
SP2_KEY	Service Point Dimension Foreign Key	Stage: CD_SP.SERVICE_POINT2_ID

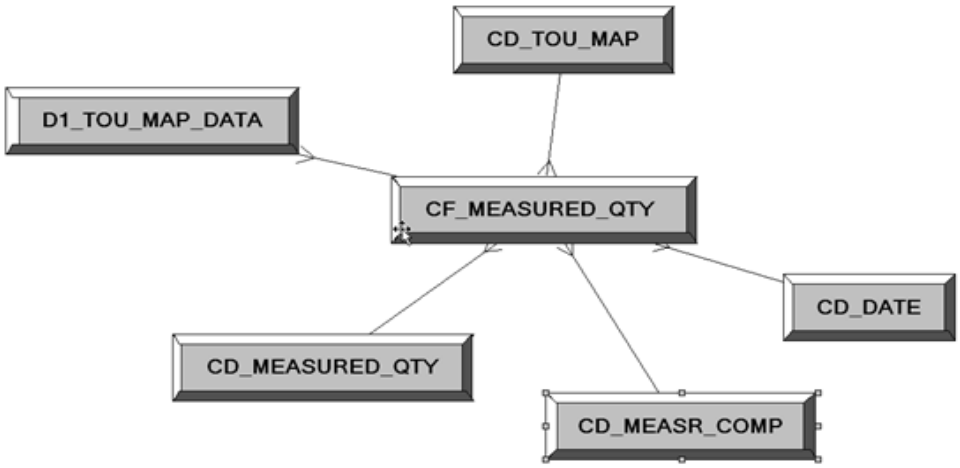
Field	OBIEE Field	Load
ADDR_KEY	Address Dimension Foreign Key	Stage: Required CD_ADDR.ADDRESS1_ID
US_KEY	Usage Subscription Dimension Foreign Key	Stage: CD_US.USAGE_SUB_ID
USAGE_GROUP_KEY	Usage Group Dimension Foreign Key	Stage: CD_USAGE_GROUP.USAGE_GRP_CD
CONTACT_KEY	Contact Dimension Foreign Key	Stage: CD_CONTACT.CONTACT_ID
UOM_TOU_SQI_KEY	UOM/TOU/SQI Dimension Foreign Key	Stage: Required CD_UOM_TOU_SQI.UOM_CD
SNAPSHOT_DT	Snapshot Date	Stage: SNAPSHOT_DT
DATE_KEY	Date Dimension Foreign Key	
SNAP_TYPE_CD	Snapshot Frequency Type	Stage: Required CD_SNAP_TYPE.SNAPSHOT_TYPE
PER_KEY	CCB Person Dimension Foreign Key	Stage: CD_PER.CCB_PERSON_ID
ACCT_KEY	CCB Account Dimension Foreign Key	Stage: CD_ACCT.CCB_ACCNT_ID
SA_KEY	CCB SA Dimension Foreign Key	Stage: CD_SA.CCB_SA_ID
PREM_KEY	CCB Premise Dimension Foreign Key	Stage: CD_PREM.CCB_PREMISE_ID
SP_UT_AGE_UDD1_KEY	User Defined Degenerate Dimension 1	Stage: CD_SP_UT_AGE_UDD1.UDD1_CD
SP_UT_AGE_UDD2_KEY	User Defined Degenerate Dimension 2	Stage: CD_SP_UT_AGE_UDD2.UDD2_CD
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
UDM6	User Defined Measure 6	Stage: UDM6
UDM7	User Defined Measure 7	Stage: UDM7
UDM8	User Defined Measure 8	Stage: UDM8

Field	OBIEE Field	Load
UDM9	User Defined Measure 9	Stage: UDM9
UDM10	User Defined Measure 10	Stage: UDM10
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDD1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDD2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDD3
UDDGEN4	User Defined Degenerate Dimension 4	Stage: UDDD4
UDDGEN5	User Defined Degenerate Dimension 5	Stage: UDDD5
UDDGENL1	User Defined Long Degenerate Dimension 1	Stage: UDLDD1
UDDGENL2	User Defined Long Degenerate Dimension 2	Stage: UDLDD2
UDDGENL3	User Defined Long Degenerate Dimension 3	Stage: UDLDD3
UDDGENL4	User Defined Long Degenerate Dimension 4	Stage: UDLDD4
UDDGENL5	User Defined Long Degenerate Dimension 5	Stage: UDLDD5
UDDFK1_KEY	User Defined Dimension Foreign Key 1	Stage: UDDFK_ID1
UDDFK2_KEY	User Defined Dimension Foreign Key 2	Stage: UDDFK_ID2
UDDFK3_KEY	User Defined Dimension Foreign Key 3	Stage: UDDFK_ID3
UDDFK4_KEY	User Defined Dimension Foreign Key 4	Stage: UDDFK_ID4
UDDFK5_KEY	User Defined Dimension Foreign Key 5	Stage: UDDFK_ID5
FACT_CNT	Fact Count	Numeric Constant: 1
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	Job Control: JOB_NBR
	No of SPs	SUM (CF_SP_UT_AGE. FACT_CNT)
	Consumption < 30 Days Old	SUM(CF_SP_UT_AGE.CONS_ AFT_LAST_UT_BUCKET1)

Field	OBIEE Field	Load
	% Consumption	SUM(CF_SP_UT_AGE.CONS_AFT_LAST_UT_BUCKET1) / Grand Total % Consumption of Bucket 1
	Consumption 31-45 Days Old	SUM(CF_SP_UT_AGE.CONS_AFT_LAST_UT_BUCKET2)
	% Consumption	SUM(CF_SP_UT_AGE.CONS_AFT_LAST_UT_BUCKET2) / Grand Total % Consumption of Bucket 2
	Consumption 45-60 Days Old	SUM(CF_SP_UT_AGE.CONS_AFT_LAST_UT_BUCKET3)
	% Consumption	SUM(CF_SP_UT_AGE.CONS_AFT_LAST_UT_BUCKET3) / Grand Total % Consumption of Bucket 3
	Consumption > 60 Days Old	SUM(CF_SP_UT_AGE.CONS_AFT_LAST_UT_BUCKET4)
	% Consumption	SUM(CF_SP_UT_AGE.CONS_AFT_LAST_UT_BUCKET4) / Grand Total % Consumption of Bucket 4
	Grand Total	Sum of individual consumptions

Measured Quantity Fact <CF_MEASURED_QTY>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot

Fields

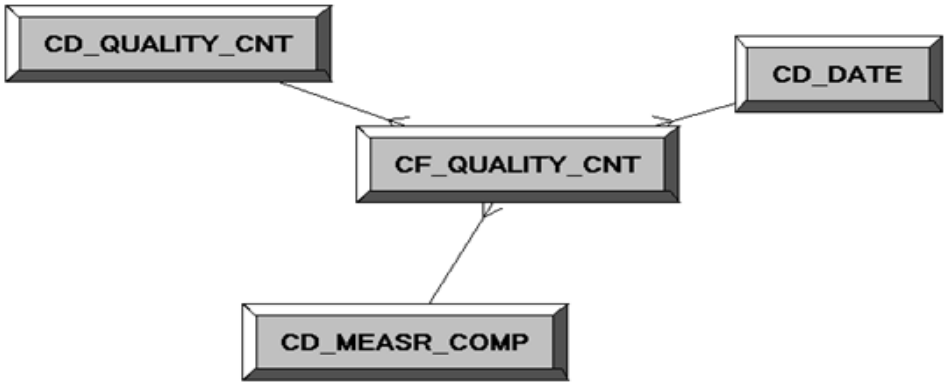
Field	OBIEE Field	Load
MEASR_COMP_ID		MEASR_COMP_ID
MSRMT_DT		MSRMT_DT
MSRMT_DTTM	Measurement Date/Time	MSRMT_DTTM
MSRMT_LOCAL_DTTM	Local Date/Time	MSRMT_LOCAL_DTTM
MSRMT_VAL	Measured Quantity	MSRMT_VAL
MSRMT_VAL1	Normal Meas. Quantity	MSRMT_VAL1
MSRMT_VAL2	Estimated Quantity	MSRMT_VAL2
MSRMT_VAL3	User-Edited Quantity	MSRMT_VAL3
MSRMT_VAL4	Misc Condition 1 Quantity	MSRMT_VAL4
MSRMT_VAL5	Misc Condition 2 Quantity	MSRMT_VAL5
MSRMT_VAL6	MC Count	MSRMT_VAL6
MSRMT_VAL7	Heating Degree Days	MSRMT_VAL7
MSRMT_VAL8	Cooling Degree Days	MSRMT_VAL8

Field	OBIEE Field	Load
MSRMT_VAL9	Average Measured Qty	MSRMT_VAL9
	Count of Measurements	count(CF_MEASURED_QTY .MSRMT_VAL)
	Total Quantity	sum(CF_MEASURED_QTY .MSRMT_VAL1) + sum(CF_MEASURED_QTY .MSRMT_VAL2) + sum(CF_MEASURED_QTY .MSRMT_VAL3)
	Normal Quantity %	sum(CF_MEASURED_QTY .MSRMT_VAL1) * 100 / nullif(sum(CF_MEASURED_QTY .MSRMT_VAL1) + sum(CF_MEASURED_QTY .MSRMT_VAL2) + sum(CF_MEASURED_QTY .MSRMT_VAL3) , 0)
	Estimated Quantity %	sum(CF_MEASURED_QTY .MSRMT_VAL2) * 100 / nullif(sum(CF_MEASURED_QTY .MSRMT_VAL1) + sum(CF_MEASURED_QTY .MSRMT_VAL2) + sum(CF_MEASURED_QTY .MSRMT_VAL3) , 0)
	User-Edited Quantity %	sum(CF_MEASURED_QTY .MSRMT_VAL3) * 100 / nullif(sum(CF_MEASURED_QTY .MSRMT_VAL1) + sum(CF_MEASURED_QTY .MSRMT_VAL2) + sum(CF_MEASURED_QTY .MSRMT_VAL3) , 0)
	Cumulative Measured Quantity	rsum(CF_MEASURED_QTY .MSRMT_VAL)
	Total Measured Quantity	sum(CF_MEASURED_QTY .MSRMT_VAL by [ ])
	Measured Quantity %	sum(CF_MEASURED_QTY .MSRMT_VAL) * 100 / nullif(sum(CF_MEASURED_QTY .MSRMT_VAL) , 0)
	Hour #	extract(hour from CF_MEASURED_QTY .MSRMT_DTTM)
	Average Measured Quantity By Month	sum(CF_MEASURED_QTY .MSRMT_VAL9) / nullif(12 , 0)

Field	OBIEE Field	Load
	Average Measured Quantity By Day	sum(CF_MEASURED_QTY .MSRMT_VAL9) / nullif(24 , 0)
	Misc Condition 1 Quantity %	sum(CF_MEASURED_QTY .MSRMT_VAL4) * 100 / nullif(sum(CF_MEASURED_QTY .MSRMT_VAL1) + sum(CF_MEASURED_QTY .MSRMT_VAL2) + sum(CF_MEASURED_QTY .MSRMT_VAL3) , 0)
	Misc Condition 2 Quantity %	sum(CF_MEASURED_QTY .MSRMT_VAL5) * 100 / nullif(sum(CF_MEASURED_QTY .MSRMT_VAL1) + sum(CF_MEASURED_QTY .MSRMT_VAL2) + sum(CF_MEASURED_QTY .MSRMT_VAL3) , 0)

Quality Count Fact <CF_QUALITY_CNT>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot

Fields

Field	OBIEE Field	Load
MEASR_COMP_ID		MEASR_COMP_ID
MSRMT_DT		MSRMT_DT
MSRMT_DTTM	Measurement Date/Time	MSRMT_DTTM
MSRMT_LOCAL_DTTM	Local Date/Time	MSRMT_LOCAL_DTTM
MSRMT_VAL	Measured Quantity	MSRMT_VAL
MSRMT_VAL1	Normal Count	MSRMT_VAL1
MSRMT_VAL2	Estimated Count	MSRMT_VAL2
MSRMT_VAL3	User-Edited Count	MSRMT_VAL3
MSRMT_VAL4	No Measure/No IMD Count	MSRMT_VAL4
MSRMT_VAL5	No Measure / IMD Exists Count	MSRMT_VAL5
MSRMT_VAL6	No Read - Outage Count	MSRMT_VAL6
MSRMT_VAL7	No Read - Other Count	MSRMT_VAL7
MSRMT_VAL8	Missing Count	MSRMT_VAL8
MSRMT_VAL9		MSRMT_VAL9

Field	OBIEE Field	Load
	Total	sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8)
	Normal %	sum(CF_QUALITY_CNT.MSRMT_VAL1) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)
	Estimated Count %	sum(CF_QUALITY_CNT.MSRMT_VAL1) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)

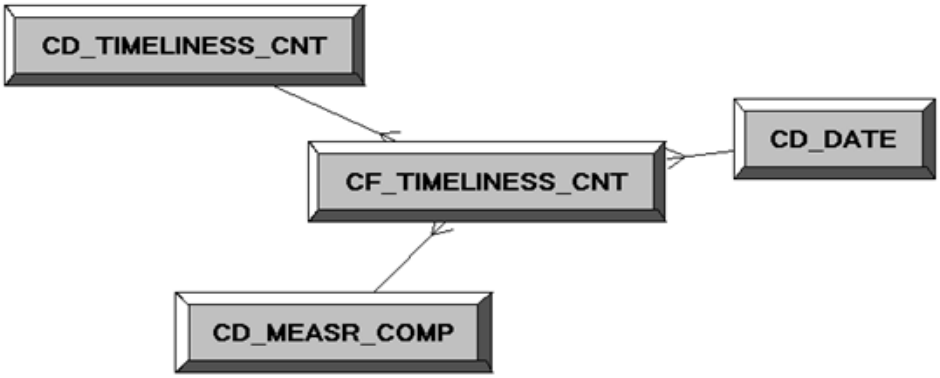
Field	OBIEE Field	Load
	User-Edited Count %	sum(CF_QUALITY_CNT.MSRMT_VAL3) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)
	No Measure/ No IMD Count %	sum(CF_QUALITY_CNT.MSRMT_VAL4) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)

Field	OBIEE Field	Load
	No Measure/IMD Exists Count %	sum(CF_QUALITY_CNT.MSRMT_VAL5) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)
	No Read - Outage Count %	sum(CF_QUALITY_CNT.MSRMT_VAL6) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)

Field	OBIEE Field	Load
	No Read - Other Count %	sum(CF_QUALITY_CNT.MSRMT_VAL7) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)
	Missing Count %	sum(CF_QUALITY_CNT.MSRMT_VAL8) * 100 / nullif(sum(CF_QUALITY_CNT.MSRMT_VAL1) + sum(CF_QUALITY_CNT.MSRMT_VAL2) + sum(CF_QUALITY_CNT.MSRMT_VAL3) + sum(CF_QUALITY_CNT.MSRMT_VAL4) + sum(CF_QUALITY_CNT.MSRMT_VAL5) + sum(CF_QUALITY_CNT.MSRMT_VAL6) + sum(CF_QUALITY_CNT.MSRMT_VAL7) + sum(CF_QUALITY_CNT.MSRMT_VAL8) , 0)
	Quality Category	case when CF_QUALITY_CNT.MSRMT_VAL > 0 then 'Count' else 'Count' end

Timeliness Count Fact <CF_TIMELINESS_CNT>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot

Fields

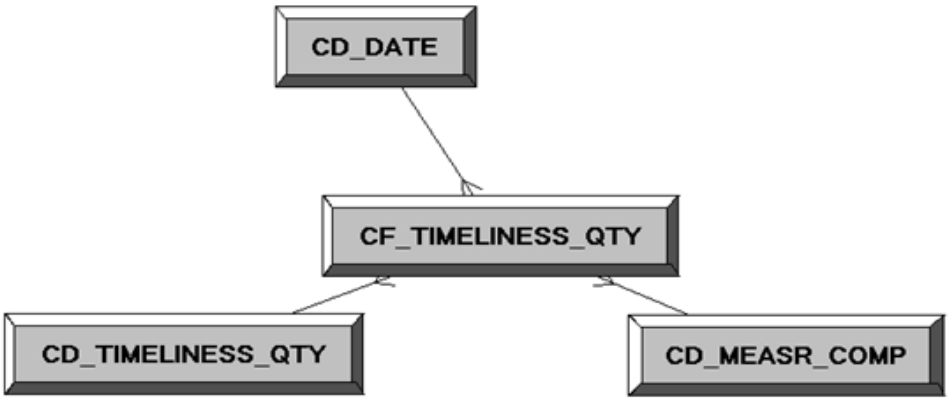
Field	OBIEE Field	Load
MEASR_COMP_ID		MEASR_COMP_ID
MSRMT_DT		MSRMT_DT
MSRMT_DTTM		MSRMT_DTTM
MSRMT_LOCAL_DTTM	Local Date/Time	MSRMT_LOCAL_DTTM
MSRMT_VAL		MSRMT_VAL
MSRMT_VAL1	On Time Count	MSRMT_VAL1
MSRMT_VAL2	Late Count	MSRMT_VAL2
MSRMT_VAL3	Very Late Count	MSRMT_VAL3
MSRMT_VAL4	Very Very Late Count	MSRMT_VAL4
MSRMT_VAL5	Missing Count	MSRMT_VAL5
MSRMT_VAL6		MSRMT_VAL6
MSRMT_VAL7		MSRMT_VAL7
MSRMT_VAL8		MSRMT_VAL8
MSRMT_VAL9		MSRMT_VAL9

Field	OBIEE Field	Load
	Total	sum(CF_TIMELINESS_CNT.MSRMT_VAL1) + sum(CF_TIMELINESS_CNT.MSRMT_VAL2) + sum(CF_TIMELINESS_CNT.MSRMT_VAL3) + sum(CF_TIMELINESS_CNT.MSRMT_VAL4) + sum(CF_TIMELINESS_CNT.MSRMT_VAL5)
	On-Time %	sum(CF_TIMELINESS_CNT.MSRMT_VAL1) * 100 / nullif(sum(CF_TIMELINESS_CNT.MSRMT_VAL1) + sum(CF_TIMELINESS_CNT.MSRMT_VAL2) + sum(CF_TIMELINESS_CNT.MSRMT_VAL3) + sum(CF_TIMELINESS_CNT.MSRMT_VAL4) + sum(CF_TIMELINESS_CNT.MSRMT_VAL5) , 0)
	Late %	sum(CF_TIMELINESS_CNT.MSRMT_VAL2) * 100 / nullif(sum(CF_TIMELINESS_CNT.MSRMT_VAL1) + sum(CF_TIMELINESS_CNT.MSRMT_VAL2) + sum(CF_TIMELINESS_CNT.MSRMT_VAL3) + sum(CF_TIMELINESS_CNT.MSRMT_VAL4) + sum(CF_TIMELINESS_CNT.MSRMT_VAL5) , 0)
	Very Late %	sum(CF_TIMELINESS_CNT.MSRMT_VAL3) * 100 / nullif(sum(CF_TIMELINESS_CNT.MSRMT_VAL1) + sum(CF_TIMELINESS_CNT.MSRMT_VAL2) + sum(CF_TIMELINESS_CNT.MSRMT_VAL3) + sum(CF_TIMELINESS_CNT.MSRMT_VAL4) + sum(CF_TIMELINESS_CNT.MSRMT_VAL5) , 0)

Field	OBIEE Field	Load
	Very Very Late %	sum(CF_TIMELINESS_CNT.MSRMT_VAL4) * 100 / nullif(sum(CF_TIMELINESS_CNT.MSRMT_VAL1) + sum(CF_TIMELINESS_CNT.MSRMT_VAL2) + sum(CF_TIMELINESS_CNT.MSRMT_VAL3) + sum(CF_TIMELINESS_CNT.MSRMT_VAL4) + sum(CF_TIMELINESS_CNT.MSRMT_VAL5) , 0)
	Missing %	sum(CF_TIMELINESS_CNT.MSRMT_VAL5) * 100 / nullif(sum(CF_TIMELINESS_CNT.MSRMT_VAL1) + sum(CF_TIMELINESS_CNT.MSRMT_VAL2) + sum(CF_TIMELINESS_CNT.MSRMT_VAL3) + sum(CF_TIMELINESS_CNT.MSRMT_VAL4) + sum(CF_TIMELINESS_CNT.MSRMT_VAL5) , 0)

Timeliness Quantity Fact <CF_TIMELINESS_QTY>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot

Fields

Field	OBIEE Field	Calculated Field Logic
MEASR_COMP_ID		
MSRMT_DT		
MSRMT_DTTM		
MSRMT_LOCAL_DTTM	Local Date/Time	
MSRMT_VAL		
MSRMT_VAL1	On Time Quantity	
MSRMT_VAL2	Late Quantity	
MSRMT_VAL3	Very Late Quantity	
MSRMT_VAL4	Very Very Late Quantity	
MSRMT_VAL5		
MSRMT_VAL6		
MSRMT_VAL7		
MSRMT_VAL8		
MSRMT_VAL9		

Chapter 3

Configuring Oracle Utilities Meter Data Management for Business Intelligence

This chapter provides information about configuring the Oracle Utilities Meter Data Management (MDM) source application in Business Intelligence (BI), including the following:

- **BI Configuration Portal**
- **BI Aggregators**
- **Default Date for Initial Loads**
- **Configuring Feature Type "Custom Format"**
- **Setting Up and Extracting Dimensions and Facts in MDM BI**

BI Configuration Portal

The BI Configuration portal holds information on all the BI-oriented configuration tasks. It is a display-only portal that gives a bird's eye view of how much configuration has been set up for BI, and also provides links and guidelines for the areas that need configuration, at the minimum, to successfully run the BI data extraction process in Oracle Utilities Meter Data Management.

T access the configuration portal in Oracle Utilities Meter Data Management, click **Admin**, navigate to **B**, and then click **BI Configuration**.

Use the BI Configuration portal to perform the following tasks:

- **Master Configuration**
- **Outbound Sync BO Options and MO Audit Algorithms**
- **BI-Oriented Extendable Lookups**
- **Service Point Configuration**

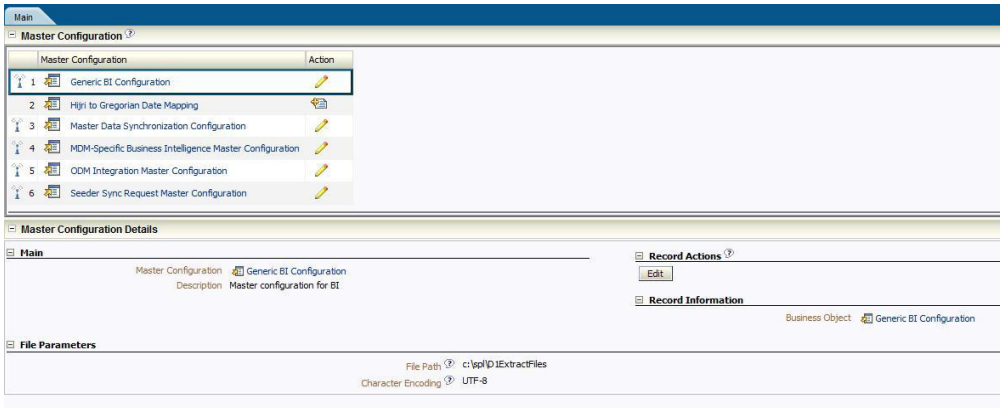
Master Configuration

Click **Go To Master Configuration** on the upper right hand corner of the BI Configuration Portal to access the **Master Configuration** page. Use this page to set up the generic BI configuration and the Oracle Utilities Meter Data Management-specific BI configuration.

Generic BI Configuration

On the Master Configuration page, add (if it does not exist yet) or update the **Generic BI Master Configuration**. Configure the following:

- **File Path**: Defines the file path where flat files produced by the extract processes will be placed. The syntax of the file path depends on the platform used by the application server.
- **Character Encoding:** Defines the character set to be used while writing into the flat file. This should match the character set used by the Oracle Warehouse Builder (OWB) to read the flat files (for example: UTF-8).



MDM-Specific BI Configuration

Perform the Oracle Utilities Meter Data Management-specific configuration as follows.

- **Market Relationship Type**

  A service point may have several service providers (for example: distributor, retailer, etc.) where each is defined with a specific market relationship type on either the service point directly or on the service point's market indirectly. The service point-oriented facts can extract up to two of these service provider records and these two service providers are determined via the specified Market Relationship Type.

  If a specific service point does not have a value for the given market relationship type, the service provider will be taken from the market referenced on the service point. It is not an error if no such service provider(s) is found.

- **Subscription Type**

  A service point may have several usage subscriptions. The service point-oriented facts can extract up to two of these usage subscription records and these two usage subscriptions are determined via the Subscription Type.

  The third subscription type, the Oracle Utilities Customer Care and Billing (CCB) Subscription Type, is used to determine the usage subscription that holds the external ID to the Customer Care and Billing service agreement so that references to the Customer Care and Billing dimensions can be populated on the facts. It is not an error if no such usage subscription(s) is found.

Outbound Sync BO Options and MO Audit Algorithms

This section of the BI Configuration Portal lists each relevant MO that is an extract source for BI facts and/or dimensions and uses the sync BO-based extract methodology. For each MO, it lists down all the Outbound Sync BOs that are setup as options of type Sync Request BO on the MO, and all the Audit algorithms plugged in on the MO. If there are no Outbound Sync BOs or Audit algorithms setup on the MO, appropriate links appear that navigate you to the MO Maintenance portal, to setup the necessary configuration.

> **Note**: If this configuration is not properly setup, the ongoing sync will not work for these ETL sources.

The following are the ETL sources and the recommended base Sync BOs and Audit algorithms.

Activity

- Outbound Sync BO: Activity Fact (D1-ActivityAccumulationFact)
- MO Audit Algorithm: Activity Change Data Capture (D1-ACT-CDCP)

  This algorithm requires the outbound sync BO to be an option on the Activity MO.

Activity Type

- Outbound Sync BO: Activity Type Dimension (D1-ActivityTypeDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Activity Type MO.

Contact

- Outbound Sync BO: Contact Dimension (D2-ContactDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Contact MO.

Device

- Outbound Sync BO: Device Dimension (D1-DeviceDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Device MO.

Device Event

- Outbound Sync BO: Device Event Accumulation (D1-DeviceEventFact)
- MO Audit Algorithm: Device Event Change Data Capture (D1-DEVT-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Device Event MO.

Device Event Type

- Outbound Sync BO: Device Event Type Dimension (D1-DeviceEventTypeDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Device Event Type MO.

Exception Type

- Outbound Sync BO: Exception Type Dimension (D2-ExceptionTypeDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

This algorithm requires the outbound sync BO to be plugged in as an option on the Exception Type MO.

Extendable Lookup

The following is a list of all BI-oriented Extendable Lookup BOs.

- Days Since Last Normal Measurement Extendable Lookup

  MO audit algorithm: Days Since Last Normal Measurement Change Data Capture (D1-LMEL-CDCP)

  Outbound sync BO: Days Since Last Normal Measurement Dimension (D1-DaysSinceLastNormalMsrmtDim)

- Measurement Condition Extendable Lookup

  MO audit algorithm: Measurement Condition Change Data Capture (D2-MCEL-CDCP)

  Outbound sync BO: Measurement Condition Dimension (D2-MsrmtConditionDimension)

- Usage Snapshot Type Extendable Lookup

  MO audit algorithm: Usage Snapshot Type Change Data Capture (D2-CSEL-CDCP)

  Outbound sync BO: Usage Snapshot Type Dimension (D2-ConsumSnapshotTypeDimension)

- Days Since Last Usage Transaction Extendable Lookup

  MO audit algorithm: Days Since Last Usage Transaction Change Data Capture (D2-LUEL-CDCP)

  Outbound sync BO: Days Since Last UT Dimension (D2-DaysSinceLastUTDimension)

- Unreported Usage Analysis Snapshot Type Extendable Lookup

  MO audit algorithm: Unreported Usage Snapshot Type Change Data Capture (D2-UTEL-CDCP)

  Outbound sync BO: Unreported Usage Analysis Type Dimension (D2-SPUTAgingTypeDimension)

All these algorithms do not require the outbound sync BO to be plugged in as options on the extendable lookup MO, but rather they are plugged in as soft parameters on their corresponding algorithms.

Install Event

- Outbound Sync BO: Install Event Accumulation Fact (D1-InstallEventFact)
- MO Audit Algorithm: Install Event Change Data Capture (D1-IESP-CDCP)

  This algorithm does not require the outbound sync BO to be plugged in as an option on the Install Event MO, but rather it is defined as soft parameter on the algorithm.

Measuring Component

- Outbound Sync BO: Measuring Component Dimension (D1-MeasuringComponentDimension)
- MO Audit Algorithm: Measuring Component Change Data Capture (D1-MC-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Measuring Component MO.

Service Point

- Outbound Sync BOs: SP Dimension (D1-SPDimension), Address Dimension (D1-AddressDimension), SP Accumulation Fact (D1-SPAccumulationFact)

- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Service Point MO.

Service Provider

- Outbound Sync BO: Service Provider Dimension (D1-ServiceProviderDimension)
- MO Audit Algorithm: Service Provider Change Data Capture (D1-MP-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Service Provider MO.

Usage Group

- Outbound Sync BO: Usage Group Dimension (D2-UsageGroupDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Usage Group MO.

Usage Subscription

- Outbound Sync BO: Usage Subscription Dimension (D2-USDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the Usage Subscription MO.

VEE Rule

- Outbound Sync BO: VEE Rule Dimension (D2-VEERuleDimension)
- MO Audit Algorithm: Generic Change Data Capture (F1-GCHG-CDCP)

  This algorithm requires the outbound sync BO to be plugged in as an option on the VEE Rule MO.

BI-Oriented Extendable Lookups

Every Extendable Lookup BO that was created for BI is listed in this section and it should serve as a guide/list for the user when setting up the lookup values. Click the link on the **Configuration** portal to navigate to the extendable Lookup Maintenance portal where the lookup values can be configured.

Measurement Condition

This extendable lookup is used to define anything interesting about a measurement, such as the source/type of the measurement (for example: a system estimate vs a normal read vs. a human override). For more details on how condition codes are used on measurements, refer to the "Measurements" section in the *Oracle Utilities Meter Data Management User Guide*.

The measurement condition is a dimension on the SP Usage Snapshot star schema, which means it has dimensional attributes that can be used to slice and dice, and filter consumption.

If implementation wants to quantify consumption by lateness and/or quality, they will need to create finer grains of condition codes than those used in the base. For example, base has delivered Regular Measurement Condition as 500100. If implementation wants to further classify a Regular measurement that arrived on time, or late, or very, very late, they will have to create additional condition codes to represent them.

500101 - Regular / On Time

500102 - Regular / Late

500103 - Regular / Very Late

500104 - Regular / Very, Very Late

This means that the extendable lookup needs to be extended for additional attributes, such as lateness category, that needs to be sent to the data warehouse during extract.

Days Since Last Normal Measurement

This extendable lookup is used to define the age ranges for days since the last normal measurement was received. Each active instance in this extendable lookup is a bucket definition, where you describe what it is and what is the bucket's upper threshold. If a bucket is meant to have no upper limit (for example: 90+ days), it should be defined with an empty threshold (there should ideally only be one of this).

The lookup value codes should be defined in such a way such that when all the instances for the lookup BO are read in ascending order of the lookup value code, their corresponding upper thresholds are also in ascending order. This is important because the extract logic will retrieve all the buckets in ascending order of lookup code, will compare the actual number of days on the ordered threshold, and will also apply whichever matches first (less than the upper threshold or the empty threshold). What this means is that the catch-all bucket (empty threshold) should ideally be defined so that it will be the last bucket retrieved, otherwise, any other bucket definition after the empty threshold will be of no use.

For example, the desired bucket definition is as follows: 0-30 Days, 30-45 Days, 45-60 Days, 60+ Days. This means that the following extendable lookups should be created:

Lookup Value Code	Upper Threshold	Description
10	30	0-30 Days
20	45	30-45 Days
30	60	45-60 Days
40		60+ Days

The SP Snapshot fact has a measure for the number of days since the service point's last normal measurement, and this configuration is used to find the age bucket that corresponds with that number of days since the normal measurement.

Usage Snapshot Type

This extendable lookup is used to define the granularity of the aggregated consumptions of a service point. It defines the TOU map that is applied to the service point's consumptions, where every resultant TOU and condition results in a row on the SP Usage Snapshot fact. It is also used to define the target UOM that is used to convert the source UOM prior to TOU mapping (for example: convert KW to KWH).

The Usage Snapshot Type allows an implementation to have different snapshots, such as:

- On/Off/Sh for CCF
- Day of Week for Therm
- Seasonal On/Off/Sh for Loss Adjusted kWh

This means that a given service point can have several consumption snapshots (but most implementations will have just one).

Days Since Last Usage Transaction

This extendable lookup is used to define the bucket definitions for the number of days since the last usage transaction was created for the service point. These age bucket definitions are used while extracting data for the Unreported Usage Snapshot Fact.

Unlike the Days Since Last Normal Measurement, we do not define the upper threshold here because of the possibility of differing bill cycles for different customer classes. For example, residential customers that bill quarterly vs commercial/industrial customers that bill monthly. The thresholds are defined on the service point type configuration instead. For more details, see the **Service Point Configuration** section.

Unreported Usage Analysis Snapshot Type

This extendable lookup is used to define the different aging snapshots that can be taken for an service point for different types of usage subscriptions. Multiple snapshots of a single service point are allowed as implementations could have multiple systems it is sending consumption to and it may need a snapshot for each.

This allows an implementation to have different snapshots, such as:

- Oracle Utilities Customer Care and Billing
- Distribution
- …

This means that a given service point can have different Unreported Usage Analysis snapshots (for different types of usage subscriptions).

Service Point Configuration

This section lists all the service point types in the system and indicates whether the BI configuration has been setup for each of them or not. It provides a navigation link to the service point type where the necessary configuration can be setup or modified.

The service point type allows two configurations:

- Usage Snapshot Configuration
- Unreported Usage Snapshot Configuration

Usage Snapshot Configuration

This section of the service point type defines the configuration(s) to be used to take the weekly or monthly usage snapshot(s). The configuration here is used when extracting data for the Usage Snapshot fact.

The Usage Snapshot Type defines the type of usage snapshot. Its extendable lookup definition contains the TOU map (used to map the consumption), and the target unit of measure (used if it's necessary to convert the source UOM to a target UOM prior to TOU mapping).

The UOM, TOU, and SQI are used to define the source MC's value identifier that will be TOU mapped.

A given service point type can have many usage snapshot types if there are different ways to look at the monthly consumption. This is not limited to just different TOU maps, but could also be used to create snapshots of different measured values. For example, if a measurement contains two values, actual and normally used, this can be used to create a snapshot of normal usage so it can be compared to a separate snapshot of actual usage.

If the service point type does not have at least one configuration type, service points of this type do not have their usage snapshot taken.

Unreported Usage Snapshot Configuration

This section of the service point type defines the configuration(s) to be used to take the weekly or monthly unreported usage snapshot(s). The configuration here is used while extracting data for the Unreported Usage Snapshot fact.

The Unreported Usage Analysis Snapshot Type defines the type of unreported usage snapshot.

The UOM, TOU, and SQI are used to define the source MC's value identifier that will be used to calculate the amount of unreported usage in various age buckets.

The Subscription Type is the type of subscription that the analysis will be performed on for this type of snapshot. If the service point is not linked to such a subscription, the fact will be linked to a "none" usage subscription, so analysis of consumption with no usage subscription can be performed.

The Days Since UT Buckets and their corresponding descriptions are used to categorize into different age buckets the amount of consumption that has not been billed. For example: if Bucket 1 is defined as 30, Bucket 2 is 45, and Bucket 3 is 60, any unbilled consumption that is less than or equal to 30 days old will fall into the bucket 1. Any unbilled consumption that is older than 30 days but is less than or equal to 45 days old will fall into the bucket 2. Any unbilled consumption that is older than 45 days but is less than or equal to 60 days old will fall into the bucket 3. Any unbilled consumption that is older than 60 days will fall into the bucket 4.

A separate snapshot can be taken for different subscription types, so that a given service point can have multiple snapshots for a given month/week. If the service point type does not have at least one unreported usage configuration type, service points of this type do not have their unreported usage snapshot calculated.

BI Aggregators

The following types of groupings are used in Oracle Utilities Business Intelligence to calculate the totals by interval for every combination of the dimensions.

- Postal Code

  This is retrieved from the service point's address information.

- City

  This is retrieved from the service point's address information.

- Head-End System

  This is retrieved either from the override head-end system defined on the device or from the fallback head-end system on the device type, if there's no override on the device.

- Usage Group

  This is retrieved either the override usage group on the usage subscription or the fallback usage group on the usage subscription type, if none on the usage subscription. The Usage Group can be set up as an optional dimension, and if so, service points without primary usage subscription can be included.

- Market

  This is retrieved from the service point's market. The Market can be set up as an optional dimension, and if so, service points not participating in a market can be included.

- Service Provider of Role 'X'

  If the service point participates in a deregulated market, the service provider is for the role specified. The Service Provider can be set up as an optional dimension, and if so, service points that do not participate in a market and do not have any service provider for a given role can be included.

- Service Type

  This is retrieved from the service point's details.

- Device Type

  This is retrieved from the device currently installed on the service point.

- Manufacturer and Model

  This is retrieved from the device. The Manufacturer and Model can be set up as optional dimensions, and if so, devices with no manufacturer/model definition can be included.

- Geographic Code

  This is retrieved from the service point. The Geographic Code can be set up as an optional dimension, and if so, service points without geographic information can be included.

Aggregator Measuring Components

For every combination of the dimensions listed above and for each type of aggregation there is a distinct aggregator measuring component. These measurements include the aggregated totals for their constituent measuring components.

The four types of aggregators are:

- **Measured Quantity**

  In this type of aggregation, the aggregated measurements of the constituent measuring components is spread across buckets as per their measurement conditions.

- **Quality Count**

  In the Quality Count aggregation type, a count for each interval related to a constituent measuring component is placed into one of the quality buckets.

- **Timeliness Count**

  In this aggregation type, a count for each interval related to a constituent measurement component is placed into one of the late buckets.

- **Timeliness Quantity**

  In this aggregation type, the aggregated measurements of the constituent measuring components is spread across late buckets as per their measurement conditions.

Setting Up Aggregation Parameters

This section describes the required and recommended aggregation parameters that should be set up while configuring the Oracle Utilities Meter Data Management application in BI.

Master vs Sub Aggregator

Required Configuration: Nominate one of the BI aggregation types as the master aggregator, particularly if the data analysis in BI for various aggregation types is for the same set of customers. Nominating a master aggregator makes the setup and the aggregation process easier, because the master aggregator controls how and when the aggregations are performed.

The first step is to define this type's aggregator measuring component type as the master (its MC Type BO must have an Aggregation Hierarchy Type Option of "Master"). The master aggregator measuring component type controls the aggregation parameters (horizon, lag, and cutoff time), the valid measuring component types to aggregate and its sub aggregator measuring component types.

The next step is to ensure that the measuring component BO of the master aggregator measuring component type has the appropriate algorithms plugged in on it - a BO system event Find Constituent Measuring Components algorithm (which contains the logic on how to find the constituent measuring components) and an Enter algorithm on its Aggregate state (which contains the logic on how to aggregate the measurements).

The sub aggregator measuring component types can only define the value identifiers that are applicable to it. Its aggregation parameters and valid measuring component types are inherited from the master aggregator measuring component type. Similarly, the Find Constituent MC and Aggregate algorithms are defined on the master (defining these algorithms on the sub aggregators BO will be ineffectual as they will never get triggered).

> **Note**: The usage of the each type of the BI aggregation depends on the implementation. In this case, the implementation should exclude defining this type of BI aggregation as master aggregator or in any of the sub aggregator types.

Measurement BOs

Required Configuration: Define, as appropriate, the special measurement BOs for the four types of BI aggregation (described above under **Aggregator Measuring Components**). These are used to differentiate the aggregated measurements from normal measurements created by initial measurement data.

These business objects should be defined on the corresponding aggregation type's measurement component type. The materialized views that were built to aggregate the individual intervals use these specific measurement BOs for performance reasons. These views are accessed directly by the BI analytics.

The measurement business objects are listed as follows:

- Measured Quantity - Measured Quantity Measurement (D2-MeasuredQuantityMsrmt)
- Quality Count - Quality Count Measurement (D2-QualityCountMsrmt)
- Timeliness Count - Timeliness Count Measurement (D2-TimelinessCountMsrmt)
- Timeliness Quantity - Timeliness Quantity Measurement (D2-TimelinessQuantityMsrmt)

Timeliness Master Configuration

Required Configuration: Add definitions for the timeliness buckets in the Timeliness Master Configuration. This is where definitions for when initial measurement data is considered late, the severity of that lateness, and also the top and bottom time range for that lateness are created.

The severity of lateness can be on time, late, very late, or missing (a measurement is considered missing if it does not exist or if it's condition is either System Estimated or No Read-Other).

In addition, this Master Configuration is where the heating and cooling degree days factors are setup.

Determining Initial Measurement Data Timeliness

Required Configuration: Mark the initial measurement data with the number of hours that it is late. This definition is used to qualify whether or not a measurement arrived on time or late. This is done on the initial measurement data-level to allow dynamic configuration of what it means for initial measurement data (and measurements) to be late without the need to re-configure the aggregation logic. There is a measure on the initial measurement data's process data that should store the number of hours the initial measurement data is late.

The base application is delivered with an Enter algorithm that calculates the initial measurement data's timeliness as the difference between the initial measurement data's end date time and its actual creation date/time in the system (Determine initial measurement data's Timeliness D2-DET-TML). This algorithm can be plugged in on the Pending state of the initial measurement data life cycle.

Value Identifiers on Aggregator MC Type (*Recommended*)

The base Enter algorithm for aggregating BI measurements (Aggregate Measurement Counts and Quantity D2-AGG-MCQ) has allocated the measurement buckets for Measured Quantity and Quality Count. While using this base algorithm, it is recommended that the following value identifiers are set up on the appropriate aggregator measuring component type, so that the users looking at the aggregated data within the Oracle Utilities Meter Data Management system can see the appropriate identifier labels for each quantity:

Measured Quantity

- Measurement Value - Measured Quantity
- Value 1 - Regular Measurement Quantity
- Value 2 - Estimated Measurement Quantity
- Value 3 - User-Edited Measurement Quantity
- Value 4 - Misc Condition 1 Measurement Quantity
- Value 5 - Misc Condition 2 Measurement Quantity
- Value 6 - MC Count (per interval)
- Value 7 - Heating Degree Days
- Value 8 - Cooling Degree Days
- Value 9 - Average Consumption

Quality Count

- Value 1 - Regular Measurement Count
- Value 2 - Estimated Measurement Count
- Value 3 - User Edited Measurement Count
- Value 4 - No Measurement/No IMD Count
- Value 5 - No Measurement/IMD Exists Count
- Value 6 - No Read Outage Count
- Value 7 - No Read Other Count
- Value 8 - Missing Count

- Value 9 - Misc 1 Count
- Value 10 - Misc 2 Count

The late buckets for Timeliness Count and Quantity are configured via the Timeliness Master Configuration. Similarly, these buckets are recommended to be reflected on the corresponding aggregator measuring component type's Value Identifiers definition.

Creating and Aggregating BI Aggregators

The BI aggregators can be created and aggregated either manually or automatically, just like other the aggregators. For more information, refer to the "Aggregation" section in the *Oracle Utilities Meter Data Management Configuration Guide.*

Refreshing Materialized Views

The two types of materialized views built for each type of BI Aggregation are explained below.

- A materialized view that contains all the BI aggregator measuring components only, where the dimensional values are flattened on the view. The pseudo-dimensions in BI are listed below.

  Measured Quantity - D2_MEASR_QTY_MV

  Quality Count - D2_QUALITY_CNT_MV

  Timeliness Count - D2_TIMELINESS_CNT_MV

  Timeliness Quantity - D2_TIMELINESS_QTY_MV

- A materialized view that contains all the aggregated measurements for BI only. The pseudo-facts in BI are listed below.

  Measured Quantity - D2_MEASR_QTY_AGR_MV

  Quality Count - D2_QUALITY_CNT_AGR_MV

  Timeliness Count - D2_TIMELINES_CNT_AGR_

  Timeliness Quantity - MVD2_TIMELINES_QTY_AGR_MV

Whenever the dimension scanning or the aggregation is done, it is important that these materialized views are refreshed, so that these materialized views contain the latest data set. An idiosyncratic batch job is delivered to perform this refresh, called Materialized View Refresh (D2-MVREF). This batch job can refresh all the materialized views in one run, so long as the materialized view names are provided as batch parameters in the run.

Default Date for Initial Loads

For the initial extracts of dimensions and accumulation facts, the default date set out-of-the-box is 01-JAN-2000. The same date is used as the effective date/time on the records when the ETL processes load them into the BI date warehouse. However, the default date can be modified as per requirement.

To modify the default date for the initial loads, follow these steps:

1. Duplicate the algorithm F1-PRPETDATA and create a Custom Modification algorithm. For example: CM-PRPETDATA

2. Modify the value of the third algorithm parameter "Initial Load Update Date/Time", and then set the preferred date for the initial load.
3. Open the business object F1-GenericBISyncRequest and plug-in the algorithm (CM-PRPETDATA) in the "Send Request" life cycle state.
4. Plug the algorithm in the System Event "Enter" with a sequence of 20.
5. On the same life cycle state (Send Request), add a new option to inactivate the original algorithm. Use the "Inactivate Algorithm" option type and specify the algorithm as F1-PRPETDATA.
6. Now, all initial load batches can be run for dimensions and accumulation facts. The new date will be used for the initial extracts.

The following use case explains a scenario on why users might want to change the default date for initial load extracts. The facts in Oracle Utilities Meter Data Management refer to Oracle Utilities Customer Care and Billing dimensions in the BI data warehouse. Assume that the Oracle Utilities Customer Care and Billing dimensions are loaded with the effective date as 01-JAN-2005. The default effective date that is available on the initial extracts for the Oracle Utilities Meter Data Management accumulation facts is 01-JAN-2000. The Oracle Utilities Meter Data Management fact records that refer to the Oracle Utilities Customer Care and Billing dimensions fail the ETL load since the fact records have a date earlier than the dimension records. To avoid this scenario the Oracle Utilities Meter Data Management fact records need to be extracted with an later date than 01-JAN-2000. Hence, the default date for initial loads needs to be modified.

Configuring Feature Type "Custom Format"

As per the requirement in Oracle Utilities Meter Data Management Business Intelligence, the Meter Data Management extractors should extract numbers with decimal places in the following format:

> For a number N(18,7), the format on the flat file should be <a leading sign><11 leading digits><7 decimal digits>

To achieve this, a new feature configuration for type "Custom Format" has to be added. This feature converts decimal values into the proper format using Reader and Writer programs defined in the option type for the feature configuration.

To configure this feature configuration in Oracle Utilities Meter Data Management, follow these steps:

1. Select **Admin** > **F** > **+ Feature Configuration**.
2. On the **Feature Configuration** screen, configure the following:
   - **Option Type**: Reader

     Sequence: 1

     Value: name="DecimalNumberCustomReader"

     path="com.splwg.d2.domain.common.routines"

   - **Option Type**: Writer

     Sequence: 1

     Value: name="DecimalNumberCustomWriter"

     path="com.splwg.d2.domain.common.routines"

For example: After configuring this feature, the decimal value 127.5 with number format N(10,4) will be converted to +0001275000 in the extract file.

If this feature is not configured, then "Consumption Snapshot Fact" and "Service Point Usage Transaction Aging Fact" will run into error and cannot generate extracts for these facts.

Setting Up and Extracting Dimensions and Facts in MDM BI

This section provides the details about setting up and extracting Oracle Utilities Meter data Management facts and dimensions in Oracle Utilities Business Intelligence.

> **Note**: Run the initial extracts and load them first. Then, proceed with the incremental extraction and loading.

Dimensions

Consumption Snapshot Type

The Consumption Snapshot Type is used to define the granularity of aggregated consumptions of a service point. For more details on how Usage Snapshot Type is used, see **Consumption Snapshot** fact.

The dimension includes a record for every usage snapshot type defined in the system.

Setup

Consumption Snapshot Types are maintained as extendable lookups.

To define a Consumption Snapshot Type:

1. Select **Admin Menu** > **E** > **Extendable Lookups**.
2. Use BO Usage Snapshot Type (D2-ConsumptionSnapshotTypeLkup).

The Consumption Snapshot Type is where you define the TOU map that is applied to the service point's consumptions, where every resultant TOU and condition will result in a row on the **Consumption Snapshot** fact, and the target UOM that will be used in converting the source UOM prior to TOU mapping (for example: convert KW to KWH).

Following are few examples:

- If an implementation requires to report on monthly on/off/partial peak consumption, then a simple TOU map (or reuse one) with these three TOUs should be created and later set up on the Consumption Snapshot Type.
- If an implementation requires reporting on monthly on/off/partial peak consumption for each day of the week, then create a more complex TOU map with 21 TOUs (on/off/partial for each day of the week).

Extraction

To successfully extract the Consumption Snapshot Type dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For initial extraction, run the Consumption Snapshot Type Initial Load Extract (D2-CSTIL) to create a pending sync request record for each consumption snapshot type defined in the system.

Incremental Extract

An MO Audit algorithm should be plugged in on the Extendable Lookup MO (F1-EXT LKUP) to capture the change in data. Base-delivered Usage Snapshot Type Change Data Capture algorithm (D2-CSEL-CDCP) can be used for this purpose.

Once the MO Audit algorithm is plugged in, any new or updated Consumption Snapshot Type creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

Run the Consumption Snapshot Type Extract (D2-CSTDX) to create the extract flat file.

Meter Device

The Meter Device dimension includes a record for every device in the system.

Setup

The existing records in Oracle Utilities Meter Data Management will be extracted in Oracle Utilities Business Intelligence. See the "Device Management" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for general information on devices.

Extraction

To successfully extract the Device dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For initial extraction, run the Device Dimension Initial Load Extract (D1-DVCIL) to create a pending sync request record for each device in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Device MO (D1-DEVICE) to capture change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose with the additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a device creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Device Dimension Extract (D1-DVCDX) to create the extract flat file.

Measuring Component

The Measuring Component dimension includes a record for every physical measuring component in the system.

Setup

See the "Device Management" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for general information on measuring components.

Extraction

To successfully extract the Measuring Component dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extraction, run the Measuring Component dimension Initial Load Extract (D1-MCIL) to create a pending sync request record for each physical measuring component in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Measuring Component MO (D1-MEASRCOMP) to capture change in data. Base-delivered Measuring Component Change Data Capture algorithm (D1-MC-CDCP) can be used for this purpose with the additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a physical measuring component creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

Extract the Completed Sync Request

Run the Measuring Component Dimension Extract (D1-MCDX) to create the extract flat file.

Service Provider

The Service Provider dimension includes a record for every service provider in the system that is a market participant (the Service Provider BO should have a Service Provider Type BO Option of Market Participant).

Setup

See the "General Data Administration" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for general information on service providers.

Extraction

To successfully extract the Service Provider dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Service Provider Initial Load Extract (D1-SPRIL) to create a pending sync request record for each market participant service provider in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Service Provider MO (D1-SVCPROVDR) to capture the change in data. Base-delivered Service Provider Change Data Capture algorithm (D1-MP-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a market participant service provider creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Service Provider Dimension Extract (D1-SPRDX) to create the extract flat file.

Service Point

The Service Point dimension includes a record for every service point in the system.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for information about creating service points.

Extraction

To successfully extract the Service Point dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Service Point Initial Load Extract (D1-SPIL) to create a pending sync request record for each service point in the system.

   Note: The Service Point Initial Load Extract is a job that is also used for Service Accumulation fact and Address dimension.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Service Point MO (D1-SP) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a service point creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Service Point Dimension Extract (D1-SPDX) to create the extract flat file.

Address

The Address dimension includes a record for every service point's address in the system.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for information on service points.

Extraction

To successfully extract the Address dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Service Point Initial Load Extract (D1-SPIL) to create a pending sync request record for each address in the system.

   Note: The Service Point Initial Load Extract is a job that is also used for Service Accumulation fact and Service Point dimension.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Service Point MO (D1-SP) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a service point creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Address Dimension Extract (D1-ADRDX) to create the extract flat file.

Usage Subscription

The Usage Subscription dimension includes a record for every usage subscription in the system.

Setup

See the "Usage Management" section in *Oracle Utilities Meter Data Management User's Guide (Release 2.0.1 Service Pack 8)* for general information on usage subscriptions.

Extraction

To successfully extract the Usage Subscription dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Usage Subscription Initial Load Extract (D2-USIL) to create a pending sync request record for each usage subscription in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Usage Subscription MO (D1-US) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a usage subscription creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Usage Subscription Dimension Extract (D2-USDX) to create the extract flat file.

Usage Group Subscription

The Usage Group dimension contains a record for every usage group in the system.

Setup

See the "Usage Administration" section in *Oracle Utilities Meter Data Management User's Guide (Release 2.0.1 Service Pack 8)* for general information on usage groups.

Extraction

To successfully extract the Usage Group dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Usage Group Initial Load Extract (D2-UGIL) to create a pending sync request record for each usage group in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Usage Group MO (D1-USGGRP) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose with the additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a usage group creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Usage Group Dimension Extract (D2-UGDX) to create the extract flat file.

Contact

The Contact dimension contains a record for every contact in the system.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for general information on usage groups.

Extraction

To successfully extract the Contact dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Contact Initial Load Extract (D2-CONIL) to create a pending sync request record for each contact in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Contact MO (D1-CONTACT) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-

GCHG-CDCP) can be used for this purpose with the additional step of configuring a Sync Request BO option on the MO.

Once the MO Audit algorithm is plugged in, any new or update on a contact creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Contact Dimension Extract (D2-CONDX) to create the extract flat file.

Measurement Condition

The Measurement Condition is used to define anything interesting about a measurement, such as the source/type of the measurement (for example: a system estimate vs a normal read vs. a human override). For more details on how measurement conditions are used in the extract, see SP Usage Snapshot Fact.

The Measurement Condition dimension includes a record for every measurement condition defined in the system.

Setup

Measurement Conditions are maintained as extendable lookups.

To define a measurement condition:

1. Select **Admin Menu** > **E** > **Extendable Lookups**.
2. Use the BO Measurement Condition (D1-MeasurementConditionLookup).

For more details on how to setup the condition codes, see the "Measurements" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8).*

Extraction

To successfully extract the Measurement Condition dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Measurement Condition Initial Load Extract (D2-MRCIL) to create a pending sync request record for each measurement condition defined in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Extendable Lookup MO (F1-EXT LKUP) to capture the change in data. Base-delivered Measurement Condition Change Data Capture algorithm (D2-MCEL-CDCP) can be used for this purpose.

   Once the MO Audit algorithm is plugged in, any new or updated Measurement Condition creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Measurement Condition Dimension Extract (D2-MRCDX) to create the extract flat file.

Unit of Measure/Time of Use

The Unit of Measure/Time of Use dimension contains a row for every combination of UOM and TOU used on the SP Consumption Snapshot fact. These UOM/TOU combinations are derived from the consumption snapshot configuration on the SP Type.

Setup

For details on setting up UOM/TOU on the SP Type, see **Consumption Snapshot** fact.

Extraction

The UOM/TOU dimension only supports initial synchronization via an idiosyncratic batch job. If the UOM/TOUs used for SP Consumption Snapshot purposes are changed in any way, the initial sync job should be re-run to re-extract all the combinations.

Run the UOM/TOU Dimension Extract (D2-UTIL) to process all UOM/TOU dimensions used for SP Consumption Snapshot. A row will be written for each combination on the extract flat file.

Installation Event Business Object Status

The Installation Event Business Object Status dimension includes a record for every combination of BO/status/reason from the instantiable business objects linked to the installation event MO.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for general information on the life cycle of installation events.

Extraction

The Installation Event Business Object Status dimension only supports initial synchronization. If new instantiable install event business objects are added or if the respective life cycle of the existing install event business objects is changed in any way, the initial sync job should be re-run to re-extract all the combinations.

To successfully extract the Installation Event Business Object Status dimension, follow these steps:

1. **Create Pending Sync Request**

   Run the Install Evt BO Status/Reason Initial Load (D1-IESIL) to create a pending sync request record for every combination of BO/status/reason from the instantiable Install Event business objects.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Install Event BO Status/Reason Dimension Extract (D1-IESDX) to create the extract flat file.

Service Point Business Object Status

The Service Point Business Object Status dimension includes a record for every combination of BO/status/reason from the instantiable business objects linked to the service point MO.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for information on the service point life cycle.

Extraction

The Service Point Business Object Status dimension only supports initial synchronization. If new instantiable service point business objects are added or if the respective life cycle of the existing service point business objects is changed in any way, the initial sync job should be re-run to re-extract all the combinations.

To successfully extract the Service Point Business Object Status dimension, follow these steps:

1. **Create Pending Sync Request**

   Run the SP BO Status/Reason Initial Load (D1-SPSIL) to create a pending sync request record for every combination of BO/status/reason from the instantiable service point business objects.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the SP BO Status/Reason Dimension Extract (D1-SPSDX) to create the extract flat file.

Days Since Last Normal Measurement

The Days Since Last Normal Measurement dimension is used for defining the age ranges for days since the last normal measurement was received. There is a record on the dimension for every Days Since Last Normal Measurement bucket defined in the system.

For more details on how the Days Since Last Normal Measurement is used, see **Service Point Snapshot** fact.

Setup

Days Since Last Normal Measurement buckets are maintained as extendable lookups. To define these buckets:

1. Select **Admin Menu** > **E** > **Extendable Lookups**.
2. Use BO Days Since Last Normal Measurement (D2-DaysSinceLastUTLookup).

Each active instance in this extendable lookup is a bucket definition, where you describe what it is and what is the bucket's upper threshold. If a bucket is meant to have no upper limit (for example: 90+ days), it should be defined with an empty threshold (there should ideally only be one of this).

The lookup value codes should be defined in such a way that when all the instances for the lookup BO are read in ascending order of the lookup value code, their corresponding upper thresholds are also in the ascending order. This is important because the extract logic will do the following:

- Retrieve all the buckets in ascending order of lookup code
- Compare the actual number of days on the ordered threshold
- Apply whichever matches first (less than the upper threshold or the empty threshold).

This means that the catch-all bucket (empty threshold) should ideally be defined, so that it will be the last bucket retrieved, otherwise, any other bucket definition after the empty threshold will be of no use.

For example: If an implementation requires reporting on certain age buckets (0-30 Days, 30-45 Days, 45-60 Days, 60-90 Days, 90+ Days), then setup the following buckets (each row in the table below is a record in the extendable lookup for the Days Since Last Normal Measurement dimension):

Lookup Value Code	Upper Threshold	Description
10	30	0-30 Days
20	45	30-45 Days
30	60	45-60 Days
40	90	60-90 Days
90		90+ Days

Extraction

To successfully extract the Days Since Last Normal Measurement dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Days Since Last Normal Measurement Initial Load (D1-LNMIL) to create a pending sync request record for each Days Since Last Normal Measurement bucket defined in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Extendable Lookup MO (F1-EXT LKUP) to capture the change in data. Base-delivered Days Since Last Normal Measurement Change Data Capture algorithm (D1-LMEL-CDCP) can be used for this purpose.

   Once the MO Audit algorithm is plugged in, any addition or update to the Days Since Last Normal Measurement bucket definition will cause the creation of the corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Days Since Last Normal Measurement Dimension Extract (D1-LNMDX) to create the extract flat file.

Exception Type

The Exception Type dimension contains a record for every VEE exception type in the system.

Setup

See the "General Data Administration" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for detailed information on VEE exception types.

Extraction

To successfully extract the Exception Type dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For the initial extract, run the Exception Type Initial Load (D2-EXTIL) to create a pending sync request record for each VEE exception type in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the VEE Exception MO (D1-EXCPTYPE) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose with the additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on an exception type creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to the completed state.

3. **Extract the Completed Sync Request**

   Run the Exception Type Dimension Extract (D2-EXTDX) to create the extract flat file.

Initial Measurement Data Type

The Initial Measurement Data Type dimension contains a row for every valid lookup value for the lookup field IMD Type (IMD_TYPE_FLG).

Setup

The Initial Measurement Type dimension includes system data with predefined values (available to Customer). The extract can be run directly for this dimension and does not require any extra setup or configuration.

The valid values are based on the D1_IMD_TYPE_FLG lookup, and include the following:

- D1GA - IMD Seeder
- D1IL - Initial load
- D1MO - Manual
- D1ES - Estimation

Extraction

The Initial Measurement Data Type dimension only supports initial synchronization via an idiosyncratic batch job. If new valid values are added or existing values are changed in any way, the initial sync job should be re-run to re-extract all valid values.

Run the Initial Measurement Data Type Lookup Extract (D2-ITLIL) to process all valid values of the lookup field IMD Type. A row will be written for each value on the extract flat file.

Exception Severity

The Exception Severity dimension contains a row for every valid lookup value for the lookup field Exception Severity (EXCP_SEVERITY_FLG).

Setup

The Exception Severity dimension includes system data with predefined values (available to Customer). The extract can be run directly for this dimension and does not need any pre-setup or configuration.

The valid values are based on the EXCP_SEVERITY_FLG lookup, and include the following:

- D1IF - Information
- D1IS - Issues
- D1TM - Terminate

Extraction

The Exception Severity dimension only supports initial synchronization via an idiosyncratic batch job. If new valid values are added or existing values are changed in any way, the initial sync job should be re-run to re-extract all valid values.

Run the Exception Severity Lookup Extract (D2-EXLIL) to process all valid values of the lookup field Exception Severity. A row will be written for each value on the extract flat file.

VEE Rules

The VEE Rules dimension includes a record for every VEE rule on every VEE Group in the system.

Setup

See "VEE Rule Administration" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for detailed information on VEE rules.

Extraction

To successfully extract the VEE Rules dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the VEE Rule Initial Load (D2-VERIL) to create a pending sync request record for each VEE rule in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the VEE Rule MO (D1-VEERULE) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a VEE Rule creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to the completed state.

3. **Extract the Completed Sync Request**

   Run the VEE Rule Dimension Extract (D2-VERDX) to create the extract flat file.

Device Activity Business Object Status

The Device Activity Business Object Status dimension contains a record for every combination of BO/status/reason from the instantiable business objects linked to the device activity MO.

Setup

See the "Device Communication" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for detailed information on device activities and their life cycle.

Extraction

The Device Activity Business Object Status dimension only supports initial synchronization. If new instantiable Device Activity business objects are added or the life cycle of the existing Device Activity business objects are changed in any way, the initial sync job should be re-run to re-extract all combinations.

To successfully extract the Device Activity Business Object Status dimension, follow these steps:

1. **Create Pending Sync Request**

   Run the Device Activity BO Status/Reason Initial Load (D1-ACSIL) to create a pending sync request record for every combination of BO/status/reason from the instantiable Device Activity business objects.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Device Activity BO Status/Reason Dimension Extract (D1-ACSDX) to create the extract flat file.

Device Activity Type

The Device Activity Type dimension contains a record for every activity type in the system.

Setup

See the "Device Communication Administration" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for detailed information on activity types.

Extraction

To successfully extract the Device Activity Type dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Activity Type Initial Load Extract (D1-ATYIL) to create a pending sync request record for each activity type in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Activity Type MO (D1-ACTTYPE) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on an activity type creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

Run the Activity Type Dimension Extract (D1-ATYDX) to create the extract flat file.

Device Event Business Object Status

The Device Event Business Object Status dimension contains a record for every combination of BO/status/reason from the instantiable business objects linked to the device event MO.

Setup

See the "Device Communication" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for detailed information on device events and their life cycle.

Extraction

The Device Event Business Object Status dimension only supports initial synchronization. If new instantiable Device Event business objects are added or the life cycle of the existing Device Event business objects are changed in any way, the initial sync job should be re-run to re-extract all combinations.

To successfully extract the Device Event Business Object Status dimension, follow these steps:

1. **Create Pending Sync Request**

   Run the Device Event BO Status/Reason Initial Load (D1-DESIL) to create a pending sync request record for every combination of BO/status/reason from the instantiable Device Event BOs.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Device Event business object Status/Reason Dimension Extract (D1-DESDX) to create the extract flat file.

Device Event Type

The Device Event Type dimension contains a record for every device event type in the system.

Setup

See the "Device Communication Administration" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for more information on device event types.

Extraction

To successfully extract the Device Event Type dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Device Event Type Initial Load Extract (D1-DETIL) to create a pending sync request record for each device event type in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Device Event Type MO (D1-DVCEVTTYP) to capture the change in data. Base-delivered Generic Change Data

Capture algorithm (F1-GCHG-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

Once the MO Audit algorithm is plugged in, any new or update on a device event type creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Device Event Type Dimension Extract (D1-DETDX) to create the extract flat file.

Service Point Usage Transaction Aging Snapshot Type

The Service Point Usage Transaction Aging Snapshot Type is used to define the different aging snapshots that can be taken for a service point for different types of usage subscriptions. For more details on how Consumption Snapshot Type is used, see **Service Point Usage Transaction Aging Snapshot** fact.

There is a record on the dimension for every service point usage transaction aging snapshot type defined in the system.

Setup

Service Point Usage Transaction Aging Snapshot Types are maintained as extendable lookups. To define these:

1. Select **Admin Menu** > **E** > **Extendable Lookups**.
2. Use BO Unreported Usage Analysis Snapshot Type (D2-SPUTAgingSnapshotTypeLookup).

Multiple snapshots of a single service point are allowed as implementations could have multiple systems it is sending consumption to and it may need a snapshot for each. This allows an implementation to have different snapshots, such as:

- CCB
- Distribution
- …

This means that a given service point can have different Service Point Usage Transaction Aging snapshots (for different types of usage subscriptions).

Extraction

To successfully extract the Service Point Usage Transaction Aging Snapshot Type dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Unreported Usage Analysis Snapshot Type Initial Load Extract (D2-UTAIL) to create a pending sync request record for each unreported usage analysis snapshot type defined in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Extendable Lookup MO (F1-EXT LKUP) to capture the change in data. Base-delivered Unreported Usage Analysis Snapshot Type Change Data Capture algorithm (D2-UTEL-CDCP) can be used for this purpose.

Once the MO Audit algorithm is plugged in, any new or updated Service Point Usage Transaction Aging Snapshot Type creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Unreported Usage Analysis Snapshot Type Extract (D2-UTADX) to create the extract flat file.

Days Since Last Usage Transaction

The Days Since Last Usage Transaction is used to define the bucket definitions for the number of days since the last usage transaction was created for the service point. For more details on how Days Since Last Usage Transaction is used, see **Service Point Usage Transaction Aging Snapshot** fact.

There is a record on the dimension for every Days Since Last Usage Transaction bucket defined in the system.

Setup

The Days Since Last Usage Transaction buckets are maintained as extendable lookups. To define a bucket:

1. Select **Admin Menu** > **E** > **Extendable Lookups**.
2. Use BO Days Since Last Usage Transaction (D2-DaysSinceLastUTLookup).

Each active instance in this extendable lookup is a bucket definition, where you describe what it is (for example: 0-30 Days, 30-45 Days, etc).

> **Note**: The upper threshold is not defines here, but rather defined on the SP Type configuration for Unreported Usage Snapshot fact.

Extraction

To successfully extract the Days Since Last Usage Transaction dimension, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Days Since Last Usage Transaction Initial Load (D1-LUTIL) to create a pending sync request record for each Days Since Last Usage Transaction bucket defined in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Extendable Lookup MO (F1-EXT LKUP) to capture the change in data. Base-delivered Days Since Last Usage Transaction Change Data Capture algorithm (D2-LUEL-CDCP) can be used for this purpose.

   Once the MO Audit algorithm is plugged in, any addition or update on the Days Since Last Usage Transaction bucket definition will cause the creation of a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Days Since Last Usage Transaction Dimension Extract (D2-LUTDX) to create the extract flat file.

Unit of Measure/Time of Use/Service Quantity Identifier

The Unit of Measure/Time of Use/Service Quantity Identifier dimension contains a row for every combination of UOM, TOU, and SQI used on the Service Point Usage Transaction Aging Snapshot fact. These UOM/TOU/SQI combinations are derived from the unreported usage analysis snapshot configuration on the Service Point Type.

Setup

For details on how to setup UOM/TOU/SQI on the Service Point Type, see **Service Point Usage Transaction Aging Snapshot** fact.

Extraction

The Unit of Measure/Time of Use/Service Quantity Identifier dimension only supports initial sync via an idiosyncratic batch job. If the UOM/TOU/SQIs used for Unreported Usage Analysis Snapshot purposes are changed in any way, the initial sync job should be re-run to re-extract all combinations.

Run the UOM/TOU/SQI Dimension Extract (D2-UTSIL) to process all UOM/TOU/SQI dimensions used for Unreported Usage Analysis Snapshot. A row will be written for each combination on the extract flat file.

Facts

Consumption Snapshot

The Consumption Snapshot allows KPIs that report on every service point's measured consumption.

Once a month (or once a week), the system applies a TOU map to every active service point's consumption; every resultant TOU code, quantity, and measurement condition results in a separate row on the Consumption Snapshot fact.

Setup

The following is a list of configuration steps required for a successful Consumption Snapshot fact extract.

1. Plug in the appropriate Usage Snapshot Algorithm on the service point's business object.

   The system event Usage Snapshot on the service point business object controls if and how snapshots are taken for the service point. If there is no such algorithm plugged in on the service point's BO, the service point is skipped.

   Base-delivered Aggregate SP Usage Snapshot (D2-SP-CA) can be used for this purpose.

2. Setup the Usage Snapshot Type. See **Consumption Snapshot Type** dimension for details about how to setup data for this.

3. Configure the Service Point Type's usage snapshot configuration. The Service Point Type holds the below information that controls the extract:

a. Usage Snapshot Type

b. UOM/TOU/SQI - These are used to define the source measuring component's value identifier that will be TOU mapped. If there are multiple measuring components linked to the service point with such a combination of UOM/TOU/SQI, all will be mapped. If the service point has no measuring components with this combination, it will be skipped.

A given Service Point Type can have many Usage Snapshot Types for different ways to look at the monthly consumption. This is not limited to just TOU maps; this feature can also be used to create snapshots of different measured values.

For example: If a measurement contains two values (actual and normally used), use this feature to create a snapshot of normal consumption, so it could be compared to a different snapshot of actual consumption.

If the Service Point Type does not have at least one entry in the Usage Snapshot Configuration list, it means service points of this type do not have their snapshot taken.

Extraction

The Consumption Snapshot fact has its own idiosyncratic batch process that takes the monthly or weekly snapshot of all active service points in the system. Run the Usage Snapshot Fact Extract (D2-SPCFX) to extract service point's consumptions and create the appropriate flat file(s).

Install Event

The Install Event fact contains a record for every install event in the system.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for more information on install events.

Extraction

To successfully extract the Install Event fact, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Installation Event Initial Load Extract (D1-INEIL) to create a pending sync request record for each installation event in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Install Event MO (D1-INSTLEVT) to capture the change in data. Base-delivered Install Event Change Data Capture algorithm (D1-IESP-CDCP) can be used for this purpose.

   Once the MO Audit algorithm is plugged in, any new or update on an install event creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Installation Event Fact Extract (D1-INEFX) to create the extract flat file.

Service Point

The Service Point fact contains a record for every service point in the system.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for more information on service points.

Extraction

To successfully extract the Service Point fact, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   Run the Service Point Initial Load (D1-SPIL) to create a pending sync request record for each service point in the system.

   Note: Service Point Initial Load is a job that is also used for **Service Point** dimension and **Address** dimension.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Service Point MO (D1-SP) to capture the change in data. Base-delivered Generic Change Data Capture algorithm (F1-GCHG-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a service point creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Service Point Fact Extract (D1-SPAFX) to create the extract flat file.

Service Point Snapshot

The Service Point Snapshot fact allows KPIs that report on the number of service points and/or devices that are installed over time.

Once in a month (or once in a week), the system takes a snapshot for every service point containing service point-oriented information, as well as information about the service point's install event as on the snapshot date.

Setup

To configure a Service Point Snapshot fact extract successfully, follow these steps:

1. Plug in the appropriate Service Point Snapshot Algorithm on the service point's BO.

   The system event Service Point Snapshot on the service point BO controls if and how snapshots are taken for the service point. If there is no such algorithm plugged in on the service point's BO, the service point is skipped.

   Base-delivered Service Point Snapshot - SP Snapshot System Event (D1-SPSNAP-SE) can be used for this purpose.

2. Setup the Days Since Last Normal Measurement. This will be used to reference the dimension containing the specific age bucket that corresponds with the number of days since the last normal measurement of the service point.

Extraction

The Service Point Snapshot fact has its own idiosyncratic batch process that takes the monthly or weekly snapshot of all active service points in the system. Run the SP Snapshot Fact Extract (D1-SPSFX) to extract the service point's information and create the appropriate flat file(s).

Service Point VEE Exception Snapshot

The Service Point VEE Exception Snapshot fact allows KPIs that report VEE Exceptions.

Once in a month (or once in a week), the system looks at every service point and count the amount of initial measurement data with and without exceptions. For initial measurement data with exceptions, it further subdivides the count by VEE Exception Type, IMD Type, VEE Severity, VEE Group, and Rule; every resultant subtotal will have a row on the VEE Exception Snapshot fact.

Setup

To successfully configure a Service Point VEE Exception Snapshot fact extract, follow these steps:

1. Plug in the appropriate SP VEE Exception Snapshot Algorithm on the service point's BO.

   The system event Service Point VEE Exception Snapshot on the service point BO controls if and how snapshots of this type are taken for the service point. If there is no such algorithm plugged in on the service point's BO, the service point is skipped.

   Base-delivered SP VEE Exception Aggregator (D1-SPVEEEXC) can be used for this purpose.

Extraction

The Service Point VEE Exception Snapshot Fact has its own idiosyncratic batch process that takes the monthly or weekly snapshot of all active service points in the system. Run the Service Point VEE Exception Snapshot Fact Extract (D1-SPSFX) to extract the service point's VEE exception information and create the appropriate flat file(s).

Device Activity

The Device Activity fact contains a record for every activity in the system.

Setup

See the "Device Installation" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for more information on device activities.

Extraction

To successfully extract the Device Activity fact, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Activity Fact Initial Load Extract (D1-ACTIL) to create a pending sync request record for each activity in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Activity MO (D1-ACTIVITY) to capture the change in data. Base-delivered Activity Change Data Capture algorithm (D1-ACT-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

Once the MO Audit algorithm is plugged in, any new or update on an activity creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. **Extract the Completed Sync Request**

   Run the Activity Accumulation Fact Extract (D1-ACTFX) to create the extract flat file.

Device Event

The Device Event fact contains a record for every device event in the system.

Setup

See the "Device Communication" section in *Oracle Utilities Meter Data Framework User's Guide (Release 2.0.1 Service Pack 8)* for more information on device events.

Extraction

To successfully extract the Device Event fact, follow these steps:

1. **Create Pending Sync Request**

   Initial Extract

   For an initial extract, run the Device Event Initial Load (D1-DEVIL) to create a pending sync request record for each device event in the system.

   Incremental Extract

   An MO Audit algorithm should be plugged in on the Device Event MO (D1-DVCEVENT) to capture the change in data. Base-delivered Activity Change Data Capture algorithm (D1-DEVT-CDCP) can be used for this purpose, with an additional step of configuring a Sync Request BO option on the MO.

   Once the MO Audit algorithm is plugged in, any new or update on a device event creates a corresponding pending sync request record.

2. **Complete Pending Sync Request**

   Run the Sync Request Monitor (F1-SYNRQ) to transition the pending sync request to completed state.

3. Extract the Completed Sync Request

   Run the Device Event Accumulation Fact Extract (D1-DEVFX) to create the extract flat file.

Service Point Usage Transaction Aging Snapshot

The Service Point Usage Transaction Aging Snapshot fact allows KPIs that show consumption that has not appeared on usage transactions.

Once a month (or once a week), the system reviews all active service points and determines the consumption that has taken place since the most recent usage transaction in the "sent" state.

Setup

To successfully configure the Service Point Usage Transaction Aging Snapshot extract, follow these steps:

1. Plug in the appropriate Unreported Usage Analysis Snapshot Algorithm on the service point's BO.

The system event Unreported Usage Analysis Snapshot on the service point BO controls if and how snapshots are taken for the service point. If there is no such algorithm plugged in on the service point's BO, the service point is skipped.

Base-delivered Analyze Unreported Usage (D2-SP-UT-AGE) can be used for this purpose.

2. Set up the Days Since Last Usage Transaction. This will be used to reference the dimension containing the specific age bucket that corresponds to the number of days since the most recent "sent" usage transaction of the service point. See **Service Point Usage Transaction Aging Snapshot Type** dimension for setup instructions.
3. Set up the Unreported Usage Analysis Snapshot Type. See **Service Point Usage Transaction Aging Snapshot Type** dimension for setup instructions.
4. Configure the Service Point Type's unreported usage analysis snapshot configuration. The Service Point Type holds the following information that controls the extract:
   a. Unreported Usage Analysis Snapshot Type
   b. UOM/TOU/SQI - These are used to define the source measuring component's value identifier that will be used to calculate the "unbilled" consumption in the various age buckets. If there are multiple measuring components linked to the service point with such a combination of UOM/TOU/SQI, all will be mapped. If the service point has no measuring components with this combination, it will be skipped.
   c. Subscription Type - This is the type of subscription that the analysis will be performed on for this type of snapshot; if the service point is not linked to such a subscription, the fact will be linked to the "none" US, so that the analysis of consumption with no US can be performed.
   d. The Days Since UT Buckets and their corresponding descriptions - These are used to categorize the "unbilled" consumption into different age buckets. For example, if Bucket 1 is defined as 30; Bucket 2 is 45; and Bucket 3 is 60: Any unbilled consumption that is less than or equal to 30 days old will fall into bucket 1. Any unbilled consumption that is older than 30 days but is less than or equal to 45 days old will fall into bucket 2. Any unbilled consumption that is older than 45 days but is less than or equal to 60 days old will fall into bucket 3. Any unbilled consumption that is older than 60 days will fall into bucket 4.

A separate snapshot can be taken for different subscription types so that a given service point can have multiple snapshots for a given month/week.

If the Service Point Type does not have at least one entry in the Unreported Usage Snapshot Configuration list, it means that the service points of this type do not have their snapshot taken.

Extraction

The Service Point Usage Transaction Aging Snapshot fact has its own idiosyncratic batch process that takes the monthly or weekly snapshot of all the active service points in the system. Run the Unreported Snapshot Fact Extract (D2-SUAFX) to extract the service point's unbilled consumption and create the appropriate flat file(s).