Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System

Data Mapping Guide

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Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System Data Mapping Guide

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Contents

Chapter 3

Preface

This guide provides the data mapping information from the Oracle Utilities Network Management System source system to the Oracle Utilities Extractors and Schema target product.

Audience

The guide is intended for all implementers of Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System.

Related Documents

For more information, see the following documents:

- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Installation Guide*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Quick Install Guide*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Release Notes*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards User's Guide*
- *Oracle Utilities Analytics for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards Administration Guide*

See Also:

- Oracle Utilities Network Management System 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 information from the Oracle Utilities Network Management System extractors and schema target product. The guide describes the data mapping between the source system and the target, and the rules of data transformation for Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System.

Terminologies

<Presentation Table Name>

The Presentation Table Name lists the default name of the objects 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 System Extract Program	Name of the program that creates the extract file
SCD Type	Type 1 - Existing records are updated directly Type 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
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'.

Property	Value
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
Modify View Name	Name of the view used to find records that were added or updated in the database
Delete View Name	Name of the view used to find records that were deleted from the database

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 NMS 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.
View Field	Name of the field in the NMS Modify view that stores the extracted data
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.

Property	Value
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

Data Maps for Oracle Utilities Network Management System

This section contains data maps for the following Oracle Utilities Extractors and Schema for Oracle Utilities Network Management data:

- **Dimension Extract Programs**
- **Fact Extract Programs**
- **Dimension Table Schema**
- **Fact Table Schema**

Dimension Extract Programs

Account Dimension

Properties

Property	Value
Load Table Name	CD_ACCT
Table Type	Dimension
Source System Driver Table	CU_SERVICE_LOCATIONS
Source System Extract Program	bi_customer_extractor
Stage Table Name	STG_ACCT_EXT
Stage File Name	D_ACCT_EXT
Control Table Name	STG_ACCT_CTL_EXT
Control File name	D_ACCT_EXT
Update Procedure Name	SPL_ACCT_UPD_PRC
OWB Map Name	SPLMAP_D_ACCT
OWB Work Flow Name	SPLWF_D_ACCT
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOACCT
Modify View Name	EXTOACCT_MODIFY_V
Delete View Name	EXTOACCT_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
ACCOUNT_ID	30	serv_account_number	EXTRACT_FIELD_01
UDF1_CD	30		EXTRACT_FIELD_02
UDF1_DESCR	60		EXTRACT_FIELD_03
UDF2_CD	30		EXTRACT_FIELD_04
UDF2_DESCR	60		EXTRACT_FIELD_05
UDF3_CD	30		EXTRACT_FIELD_06
UDF3_DESCR	60		EXTRACT_FIELD_07

Extract Field	Length	Source	View Field
UDF4_CD	30		EXTRACT_FIELD_08
UDF4_DESCR	60		EXTRACT_FIELD_09
UDF5_CD	30		EXTRACT_FIELD_10
UDF5_DESCR	60		EXTRACT_FIELD_11
UDF6_CD	30		EXTRACT_FIELD_12
UDF6_DESCR	60		EXTRACT_FIELD_13
UDF7_CD	30		EXTRACT_FIELD_14
UDF7_DESCR	60		EXTRACT_FIELD_15
UDF8_CD	30		EXTRACT_FIELD_16
UDF8_DESCR	60		EXTRACT_FIELD_17
UDF9_CD	30		EXTRACT_FIELD_18
UDF9_DESCR	60		EXTRACT_FIELD_19
UDF10_CD	30		EXTRACT_FIELD_20
UDF10_DESCR	60		EXTRACT_FIELD_21
ACCT_INFO	254	serv_loc_id	EXTRACT_FIELD_22
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

The base product uses the following fields to populate the UDFs on the dimension:

- CHAR / account "predefined" characteristic type code. The UDF is populated with the characteristic value of the account and the description of the characteristic value (for the specified characteristic type).
- PROG / CI_ACCT.ACCT_MGMT_GRP_CD. The UDF is populated with the account management group code and description of the account.
- PROG / CI_ACCT.CUST_CL_CD. The UDF is populated with the customer class code and description of the account.
- PROG / CI_ACCT.CIS_DIVISION. The UDF is populated with the division code and description of the account.
- PROG / CI_ACCT.BILL_CYC_CD. The UDF is populated with the bill cycle code and description of the account.
- PROG / CI_ACCT.COLL_CL_CD. The UDF is populated with the collection class code and description of the account. Note that the collection class is derived from the customer class code of the account.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOACCT

Modify View: EXTOACCT_MODIFY_V

Delete View: EXTOACCT_DELETE_V

Address Dimension

Properties

Property	Value
Load Table Name	CD_ADDR
Table Type	Dimension
Source System Driver Table	CU_SERVICE_LOCATIONS
Source System Extract Program	bi_customer_extractor
Stage Table Name	STG_ADDR_EXT
Stage File Name	D_ADDR_EXT
Control Table Name	STG_ADDR_CTL_EXT
Control File name	D_ADDR_EXT
Update Procedure Name	SPL_ADDR_UPD_PRC
OWB Map Name	SPLMAP_D_ADDR
OWB Work Flow Name	SPLWF_D_ADDR
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOADDR
Modify View Name	EXTOADDR_MODIFY_V
Delete View Name	EXTOADDR_DELETE_V

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

Extract Field	Length	Source	View Field
SRC_ADDRESS_ID	254	ADDRESS_ID	ADDRESS_ID
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	Change Type Code
SRC_PREM_ID	30	serv_loc_id	EXTRACT_FIELD_01
ADDR_LINE1	254	serv_addr_1	EXTRACT_FIELD_02
ADDR_LINE2	254	serv_addr_2	EXTRACT_FIELD_03
ADDR_LINE3	254	serv_addr_3	EXTRACT_FIELD_04
ADDR_LINE4	254	serv_addr_4	EXTRACT_FIELD_05
CROSS_STREET	100		EXTRACT_FIELD_06
SUBURB	100		EXTRACT_FIELD_07
CITY	60	serv_city	EXTRACT_FIELD_08

Extract Field	Length	Source	View Field
COUNTY	60		EXTRACT_FIELD_09
POSTAL	12	serv_postcode_1	EXTRACT_FIELD_10
STATE_CD	6	serv_state	EXTRACT_FIELD_11
STATE_DESCR	100	serv_state	EXTRACT_FIELD_12
COUNTRY_CD	3	'USA'	EXTRACT_FIELD_13
COUNTRY_DESCR	100	'United States of America'	EXTRACT_FIELD_14
GEO_CODE	11		EXTRACT_FIELD_15
UDF1_CD	30	serv_city	EXTRACT_FIELD_16
UDF1_DESCR	60	serv_city	EXTRACT_FIELD_17
UDF2_CD	30		EXTRACT_FIELD_18
UDF2_DESCR	60		EXTRACT_FIELD_19
UDF3_CD	30	serv_postcode_1	EXTRACT_FIELD_20
UDF3_DESCR	60	serv_postcode_1 || serv_postcode_2	EXTRACT_FIELD_21
UDF4_CD	30	serv_state	EXTRACT_FIELD_22
UDF4_DESCR	60	serv_state	EXTRACT_FIELD_23
UDF5_CD	30	'United States of America'	EXTRACT_FIELD_24
UDF5_DESCR	60	'United States of America'	EXTRACT_FIELD_25
UDF6_CD	30		EXTRACT_FIELD_26
UDF6_DESCR	60		EXTRACT_FIELD_27
UDF7_CD	30		EXTRACT_FIELD_28
UDF7_DESCR	60		EXTRACT_FIELD_29
UDF8_CD	30		EXTRACT_FIELD_30
UDF8_DESCR	60		EXTRACT_FIELD_31
UDF9_CD	30		EXTRACT_FIELD_32
UDF9_DESCR	60		EXTRACT_FIELD_33
UDF10_CD	30		EXTRACT_FIELD_34
UDF10_DESCR	60		EXTRACT_FIELD_35
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

Extract Field	Length	Source	View Field
ADDR_INFO	254	serv_addr_1 || serv_addr_2 || serv_addr_3 || serv_addr_4 || serv_city || serv_state || serv_postcode_1 || serv_postcode_2	EXTRACT_FIELD_36

The base product uses the following fields to populate the UDFs on the dimension:

- CHAR / premise "predefined" characteristic type code. The UDF is populated with the characteristic value and description for the premise (for the specified characteristic type).·
- PROG / CI_PREM.CITY_UPR. The UDF is populated with the city name of the premise (in upper case). Note that both the UDF code and description are populated with the same value.·
- PROG / CI_PREM.COUNTY. The UDF is populated with the county code of the premise. Note that both the UDF code and description are populated with the same value.·
- PROG / CI_PREM.POSTAL. The UDF is populated with the postal code of the premise. Note that both the UDF code and description are populated with the same value.
- PROG / CI_PREM.STATE. The UDF is populated with the state code and description of the premise.
- PROG / CI_PREM.COUNTRY. The UDF is populated with the country code and description of the premise.
- PROG / CI_PREM.GEO_CD. The UDF is populated with the geographic code and description of the premise. Note that both the UDF code and description are populated with the same value.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOADDR

Modify View: EXTOADDR_MODIFY_V

Delete View: EXTOADDR_DELETE_V

Call Info Dimension

Properties

Property	Value
Load Table Name	CD_CALL_INFO
Table Type	Dimension
Source System Driver Table	INCIDENTS
Source System Extract Program	bi_event_extractor AND nrt_extractor
Stage Table Name	STG_CALL_INFO_EXT
Stage File Name	D_CALL_INFO_EXT
Control Table Name	STG_CALL_INFO_CTL_EXT

Property	Value
Control File name	D_CALL_INFO_EXT
Update Procedure Name	SPL_CALL_INFO_DEL_PRC
OWB Map Name	SPLMAP_D_CALL_INFO
OWB Work Flow Name	SPLWF_D_CALL_INFO
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTCINFO
Modify View Name	EXTCINFO_MODIFY_V
Delete View Name	EXTCINFO_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_INCIDENT_ID	10	numb	EXTRACT_FIELD_01
CALLER_NAME	75	customer_name	EXTRACT_FIELD_02
PHONE_NBR	32	customer_phone	EXTRACT_FIELD_03
COMPLAINT	254	complaint	EXTRACT_FIELD_04
COMMENTS	254	op_comment	EXTRACT_FIELD_05
UDF1_CD	30	active	EXTRACT_FIELD_06
UDF1_DESCR	60	active	EXTRACT_FIELD_07
UDF2_CD	30	complete	EXTRACT_FIELD_08
UDF2_DESCR	60	complete	EXTRACT_FIELD_09
UDF3_CD	30	complaint	EXTRACT_FIELD_10
UDF3_DESCR	60	short_desc	EXTRACT_FIELD_11
UDF4_CD	30		EXTRACT_FIELD_12
UDF4_DESCR	60		EXTRACT_FIELD_13
UDF5_CD	30		EXTRACT_FIELD_14
UDF5_DESCR	60		EXTRACT_FIELD_15
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

Extract Procedure: PR_BI_EXTCINFO

Modify View: EXTCINFO_MODIFY_V

Delete View: EXTCINFO_DELETE_V

Crew Dimension

Properties

Property	Value
Load Table Name	CD_CREW
Table Type	Dimension
Source System Driver Table	crews
Source System Extract Program	bi_common_extractor
Stage Table Name	STG_CREW_EXT
Stage File Name	D_CREW_EXT
Control Table Name	STG_CREW_CTL_EXT
Control File name	D_CREW_EXT
Update Procedure Name	SPL_CREW_UPD_PRC
OWB Map Name	SPLMAP_D_CREW
OWB Work Flow Name	SPLWF_D_CREW
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOACCT
Modify View Name	EXTOCREW_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
CREW_CD	30	crews.crew_key	EXTRACT_FIELD_01
CREW_DESCR	60	crews.crew_name	EXTRACT_FIELD_02
SRC_CREW_ID	30	crews.crew_id	EXTRACT_FIELD_03
CREW_TYPE_CD	30	crews.crew_type	EXTRACT_FIELD_04
CREW_TYPE_DESCR	100	crew_types.crew_type	EXTRACT_FIELD_05

Extract Field	Length	Source	View Field
ORG_UNIT1_CD	4		EXTRACT_FIELD_06
ORG_UNIT1_DESCR	100		EXTRACT_FIELD_07
ORG_UNIT2_CD	4		EXTRACT_FIELD_08
ORG_UNIT3_DESCR	100		EXTRACT_FIELD_09
ORG_UNIT3_CD	4		EXTRACT_FIELD_010
ORG_UNIT3_DESCR	100		EXTRACT_FIELD_11
UDF1_CD	30		EXTRACT_FIELD_12
UDF1_DESCR	60		EXTRACT_FIELD_13
UDF2_CD	30		EXTRACT_FIELD_14
UDF2_DESCR	60		EXTRACT_FIELD_15
UDF3_CD	30		EXTRACT_FIELD_16
UDF3_DESCR	60		EXTRACT_FIELD_17
UDF4_CD	30		EXTRACT_FIELD_18
UDF4_DESCR	60		EXTRACT_FIELD_19
UDF5_CD	30		EXTRACT_FIELD_20
UDF5_DESCR	60		EXTRACT_FIELD_21
UDF6_CD	30		EXTRACT_FIELD_22
UDF6_DESCR	60		EXTRACT_FIELD_23
UDF7_CD	30		EXTRACT_FIELD_24
UDF7_DESCR	60		EXTRACT_FIELD_25
UDF8_CD	30		EXTRACT_FIELD_26
UDF8_DESCR	60		EXTRACT_FIELD_27
UDF9_CD	30		EXTRACT_FIELD_28
UDF9_DESCR	60		EXTRACT_FIELD_29
UDF10_CD	30		EXTRACT_FIELD_30
UDF10_DESCR	60		EXTRACT_FIELD_31
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

The following fields are used to populate the UDFs on the dimension:

- SUPERVISOR_TITTLE

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTOACCT

Modify View: EXTOCREW_MODIFY_V

Delete View: EXTOCREW_DELETE_V

Control Zone Dimension

Properties

Property	Value
Load Table Name	CD_CTRL_ZONE
Table Type	Dimension
Source System Driver Table	control_zone_structures, control_zones – Levels are determined by connecting Prior Child NCG ids with the Parent NCG ids: connect by prior child_ncg_id = parent_ncg_id
Source System Extract Program	bi_common_extractor
Stage Table Name	STG_CTRL_ZONE_EXT
Stage File Name	D_CTRL_ZONE_EXT
Control Table Name	STG_CTRL_ZONE_CTL_EXT
Control File name	D_CTRL_ZONE_EXT
Update Procedure Name	SPL_CTRL_ZONE_UPD_PRC
OWB Map Name	SPLMAP_D_CTRL_ZONE
OWB Work Flow Name	SPLWF_D_CTRL_ZONE
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTZONE
Modify View Name	EXTZONE_MODIFY_V
Delete View Name	EXTZONE_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	SYSDATE	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_NCG_ID	10	control_zones.ncg_id	EXTRACT_FIELD_01
CTRL_ZONE_NAME	60	control_zones.name	EXTRACT_FIELD_02

Extract Field	Length	Source	View Field
HIERARCHY_TYPE	30	'CIR'	EXTRACT_FIELD_03
UDF1_CD	30	Level 1 NCG_ID	EXTRACT_FIELD_04
UDF1_DESCR	60	Level 1 Name	EXTRACT_FIELD_05
UDF2_CD	30	Level 2 NCG_ID	EXTRACT_FIELD_06
UDF2_DESCR	60	Level 2 Name	EXTRACT_FIELD_07
UDF3_CD	30	Level 3 NCG_ID	EXTRACT_FIELD_08
UDF3_DESCR	60	Level 3 Name	EXTRACT_FIELD_09
UDF4_CD	30	Level 4 NCG_ID	EXTRACT_FIELD_10
UDF4_DESCR	60	Level 4 Name	EXTRACT_FIELD_11
UDF5_CD	30	Level 5 NCG_ID	EXTRACT_FIELD_12
UDF5_DESCR	60	Level 5 Name	EXTRACT_FIELD_13
UDF6_CD	30	Level 6 NCG_ID	EXTRACT_FIELD_14
UDF6_DESCR	60	Level 6 Name	EXTRACT_FIELD_15
UDF7_CD	30		EXTRACT_FIELD_16
UDF7_DESCR	60		EXTRACT_FIELD_17
UDF8_CD	30		EXTRACT_FIELD_18
UDF8_DESCR	60		EXTRACT_FIELD_19
UDF9_CD	30		EXTRACT_FIELD_20
UDF9_DESCR	60		EXTRACT_FIELD_21
UDF10_CD	30		EXTRACT_FIELD_22
UDF10_DESCR	60		EXTRACT_FIELD_23
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	EXTRACT_FIELD_27

Extract Procedure: PR_BI_EXTZONE

Modify View: EXTZONE_MODIFY_V

Delete View: EXTZONE_DELETE_V

Device Dimension

Properties

Property	Value
Load Table Name	CD_DEVICE
Table Type	Dimension
Source System Driver Table	network_components
Source System Extract Program	bi_common_extractor
Stage Table Name	STG_DEVICE_EXT
Stage File Name	D_DEVICE_EXT
Control Table Name	STG_DEVICE_CTL_EXT
Control File name	D_DEVICE_EXT
Update Procedure Name	SPL_DEVICE_UPD_PRC
OWB Map Name	SPLMAP_D_DEVICE
OWB Work Flow Name	SPLWF_D_DEVICE
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOADDR
Modify View Name	EXTDEV_MODIFY_V
Delete View Name	EXTDEV_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	birth (for new records), death (for deleted records)	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_DEVICE_CLS	6	h_cls	EXTRACT_FIELD_01
SRC_DEVICE_IDX	11	h_idx	EXTRACT_FIELD_02
DEVICE_NAME	60	name	EXTRACT_FIELD_03
DEVICE_TYPE_CD	30	classes.c_type	EXTRACT_FIELD_05
DEVICE_TYPE_DESCR	60	classes.c_type	EXTRACT_FIELD_06
DEVICE_CLASS_CD	30	classes.c_name	EXTRACT_FIELD_07
DEVICE_CLASS_DESCR	60	classes.c_desc	EXTRACT_FIELD_08
UDF1_CD	30	control_zones.ncg_id	EXTRACT_FIELD_09

Extract Field	Length	Source	View Field
UDF1_DESCR	60	control_zones.name	EXTRACT_FIELD_10
UDF2_CD	30		EXTRACT_FIELD_11
UDF2_DESCR	60		EXTRACT_FIELD_12
UDF3_CD	30		EXTRACT_FIELD_13
UDF3_DESCR	60		EXTRACT_FIELD_14
UDF4_CD	30		EXTRACT_FIELD_15
UDF4_DESCR	60		EXTRACT_FIELD_16
UDF5_CD	30		EXTRACT_FIELD_17
UDF5_DESCR	60		EXTRACT_FIELD_18
UDF6_CD	30		EXTRACT_FIELD_19
UDF6_DESCR	60		EXTRACT_FIELD_20
UDF7_CD	30		EXTRACT_FIELD_21
UDF7_DESCR	60		EXTRACT_FIELD_22
UDF8_CD	30		EXTRACT_FIELD_23
UDF8_DESCR	60		EXTRACT_FIELD_24
UDF9_CD	30		EXTRACT_FIELD_25
UDF9_DESCR	60		EXTRACT_FIELD_26
UDF10_CD	30		EXTRACT_FIELD_27
UDF10_DESCR	60		EXTRACT_FIELD_28
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTDEV

Modify View: EXTDEV_MODIFY_V

Delete View: EXTDEV_DELETE_V

Event Dimension

Properties

Property	Value
Load Table Name	CD_EVENT
Table Type	Dimension
Source System Driver Table	jobs a, picklist_info_upd_tr b
Source System Extract Program	bi_event_extractor AND nrt_extractor
Stage Table Name	STG_EVENT_EXT
Stage File Name	D_EVENT_EXT
Control Table Name	STG_EVENT_CTL_EXT
Control File name	D_EVENT_EXT
Update Procedure Name	SPL_EVENT_DEL_PRC
OWB Map Name	SPLMAP_D_EVENT
OWB Work Flow Name	SPLWF_D_EVENT
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTJOBD
Modify View Name	EXTJOBD_MODIFY_V
Delete View Name	EXTJOBD_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	greatest(a.last_update_time, NVL(b.last_update_time, a.last_update_time))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_NBR	60	a.numb	EXTRACT_FIELD_01
EVENT_NBR	60	a.event_idx	EXTRACT_FIELD_02
EXCLUDE_REASON	256	b.dtr_text	EXTRACT_FIELD_03
OPERATOR_COMMENT	256	a.operator_comment	EXTRACT_FIELD_04
EVENT_STATE_CD	30	a.valid_state_key	EXTRACT_FIELD_05
EVENT_STATE_DESCR	60	a.alarm_state	EXTRACT_FIELD_06
X_COORDINATE	20	a.x_coord	EXTRACT_FIELD_07

Extract Field	Length	Source	View Field
Y_COORDINATE	20	a.y_coord	EXTRACT_FIELD_08
FIRST_CALL_ADDR	256	a.addr_street	EXTRACT_FIELD_09
REMEDY_CD	32	b.remedy_om	EXTRACT_FIELD_10
TROUBLE_CD_LIST	128	a.trouble_code	EXTRACT_FIELD_11
UDF1_CD	30	b.scheduled_dev_om	EXTRACT_FIELD_12
UDF1_DESCR	60	b.scheduled_dev_om	EXTRACT_FIELD_13
UDF2_CD	30	b.human_elem_om	EXTRACT_FIELD_14
UDF2_DESCR	60	b.human_elem_om	EXTRACT_FIELD_15
UDF3_CD	30	b.other_cause_om	EXTRACT_FIELD_16
UDF3_DESCR	60	b.other_cause_om	EXTRACT_FIELD_17
UDF4_CD	30	b.foreign_interf_om	EXTRACT_FIELD_18
UDF4_DESCR	60	b.foreign_interf_om	EXTRACT_FIELD_19
UDF5_CD	30	b.vegetation_om	EXTRACT_FIELD_20
UDF5_DESCR	60	b.vegetation_om	EXTRACT_FIELD_21
UDF6_CD	30	b.def_equip_om	EXTRACT_FIELD_22
UDF6_DESCR	60	b.def_equip_om	EXTRACT_FIELD_23
UDF7_CD	30	b.adv_environ_om	EXTRACT_FIELD_24
UDF7_DESCR	60	b.adv_environ_om	EXTRACT_FIELD_25
UDF8_CD	30	b.adv_weather_om	EXTRACT_FIELD_26
UDF8_DESCR	60	b.adv_weather_om	EXTRACT_FIELD_27

Extract Field	Length	Source	View Field
UDF9_CD	30	RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected')), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_environ_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', 'Weather'), 'Environment'), 'Defective Equipment'), 'Vegetation'), 'Foreign Interference'), 'Other'), 'Utility Error'), 'Scheduled'), ' '), 30)	EXTRACT_FIELD_28

Extract Field	Length	Source	View Field
UDF9_DESCR	60	RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected')), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_environ_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', 'Weather'), 'Environment'), 'Defective Equipment'), 'Vegetation'), 'Foreign Interference'), 'Other'), 'Utility Error'), 'Scheduled'), ' '), 30)	EXTRACT_FIELD_29

Extract Field	Length	Source	View Field
UDF10_CD	30	RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected')), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_environ_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', trim(adv_weather_om)), trim(adv_environ_om)), trim(def_equip_om)), trim(vegetation_om)), trim(foreign_interf_om)), trim(other_cause_om)), trim(human_elem_om)), trim(scheduled_dev_om)), ' '), 30)	EXTRACT_FIELD_30

Extract Field	Length	Source	View Field
UDF10_DESCR	60	RPAD(NVL(decode(decode(nvl(trim(scheduled_dev_om), 'Unselected'), 'Unplanned', 'Unselected', nvl(trim(scheduled_dev_om),'Unselected')), 'Unselected', decode(nvl(trim(human_elem_om), 'Unselected'), 'Unselected', decode(nvl(trim(other_cause_om), 'Unselected'), 'Unselected', decode(nvl(trim(foreign_interf_om), 'Unselected'), 'Unselected', decode(nvl(trim(vegetation_om), 'Unselected'), 'Unselected', decode(nvl(trim(def_equip_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_environ_om), 'Unselected'), 'Unselected', decode(nvl(trim(adv_weather_om), 'Unselected'), 'Unselected', 'none', trim(adv_weather_om)), trim(adv_environ_om)), trim(def_equip_om)), trim(vegetation_om)), trim(foreign_interf_om)), trim(other_cause_om)), trim(human_elem_om)), trim(scheduled_dev_om)), ' '), 30)	EXTRACT_FIELD_31
UDF11_CD	30	b.remedy_om	EXTRACT_FIELD_32
UDF11_DESCR	60	b.remedy_om	EXTRACT_FIELD_33
UDF12_CD	30		EXTRACT_FIELD_34
UDF12_DESCR	60		EXTRACT_FIELD_35
UDF13_CD	30		EXTRACT_FIELD_36
UDF13_DESCR	60		EXTRACT_FIELD_37
UDF14_CD	30		EXTRACT_FIELD_38
UDF14_DESCR	60		EXTRACT_FIELD_39
UDF15_CD	30	fn_get_related_event(a.event_idx)	EXTRACT_FIELD_40
UDF15_DESCR	60	fn_get_related_event(a.event_idx)	EXTRACT_FIELD_41
UDF16_CD	30		EXTRACT_FIELD_42
UDF16_DESCR	60		EXTRACT_FIELD_43

Extract Field	Length	Source	View Field
UDF17_CD	30		EXTRACT_FIELD_44
UDF17_DESCR	60		EXTRACT_FIELD_45
UDF18_CD	30		EXTRACT_FIELD_46
UDF18_DESCR	60		EXTRACT_FIELD_47
UDF19_CD	30		EXTRACT_FIELD_48
UDF19_DESCR	60		EXTRACT_FIELD_49
UDF20_CD	30		EXTRACT_FIELD_50
UDF20_DESCR	60		EXTRACT_FIELD_51
UDF21_CD	30		EXTRACT_FIELD_52
UDF21_DESCR	60		EXTRACT_FIELD_53
UDF22_CD	30		EXTRACT_FIELD_54
UDF22_DESCR	60		EXTRACT_FIELD_55
UDF23_CD	30		EXTRACT_FIELD_56
UDF23_DESCR	60		EXTRACT_FIELD_57
UDF24_CD	30		EXTRACT_FIELD_58
UDF24_DESCR	60		EXTRACT_FIELD_59
UDF25_CD	30		EXTRACT_FIELD_60
UDF25_DESCR	60		EXTRACT_FIELD_61
UDF26_CD	30		EXTRACT_FIELD_62
UDF26_DESCR	60		EXTRACT_FIELD_63
UDF27_CD	30		EXTRACT_FIELD_64
UDF27_DESCR	60		EXTRACT_FIELD_65
UDF28_CD	30		EXTRACT_FIELD_66
UDF28_DESCR	60		EXTRACT_FIELD_67
UDF29_CD	30		EXTRACT_FIELD_68
UDF29_DESCR	60		EXTRACT_FIELD_69
UDF30_CD	30		EXTRACT_FIELD_70
UDF30_DESCR	60		EXTRACT_FIELD_71
UDF31_CD	30		EXTRACT_FIELD_72
UDF31_DESCR	60		EXTRACT_FIELD_73
UDF32_CD	30		EXTRACT_FIELD_74
UDF32_DESCR	60		EXTRACT_FIELD_75
UDF33_CD	30		EXTRACT_FIELD_76

Extract Field	Length	Source	View Field
UDF33_DESCR	60		EXTRACT_FIELD_77
UDF34_CD	30		EXTRACT_FIELD_78
UDF34_DESCR	60		EXTRACT_FIELD_79
UDF35_CD	30		EXTRACT_FIELD_80
UDF35_DESCR	60		EXTRACT_FIELD_81
UDF36_CD	30		EXTRACT_FIELD_82
UDF36_DESCR	60		EXTRACT_FIELD_83
UDF37_CD	30		EXTRACT_FIELD_84
UDF37_DESCR	60		EXTRACT_FIELD_85
UDF38_CD	30		EXTRACT_FIELD_86
UDF38_DESCR	60		EXTRACT_FIELD_87
UDF39_CD	30		EXTRACT_FIELD_88
UDF39_DESCR	60		EXTRACT_FIELD_89
UDF40_CD	30		EXTRACT_FIELD_90
UDF40_DESCR	60		EXTRACT_FIELD_91
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_event_extractor AND nrt_extractor

Extract Procedure: PR_BI_EXTJOBD

Modify View: EXTJOBD_MODIFY_V

Delete View: EXTJOBD_DELETE_V

Event Status Dimension

Properties

Property	Value
Load Table Name	CD_EVENT_STATUS
Table Type	Dimension
Source System Driver Table	te_statuses a, te_status_groups b
Source System Extract Program	bi_common_extractor

Property	Value
Stage Table Name	STG_EVENT_STATUS_EXT
Stage File Name	D_EVENT_STATUS_EXT
Control Table Name	STG_EVENT_STATUS_CTL_EXT
Control File name	D_EVENT_STATUS_EXT
Update Procedure Name	
OWB Map Name	SPLMAP_D_EVENT_STATUS
OWB Work Flow Name	SPLWF_D_EVENT_STATUS
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTESTAT
Modify View Name	EXTESTAT_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	sysdate - 1	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_STATUS	10	a.trans_status	EXTRACT_FIELD_01
EVENT_STATUS_CD	30	a.description	EXTRACT_FIELD_02
EVENT_STATUS_DESCR	60	a.description	EXTRACT_FIELD_03
UDF1_CD	30	b.description	EXTRACT_FIELD_04
UDF1_DESCR	60	b.description	EXTRACT_FIELD_05
UDF2_CD	30	b.group_name	EXTRACT_FIELD_06
UDF2_DESCR	60	b.group_name	EXTRACT_FIELD_07
UDF3_CD	30		EXTRACT_FIELD_08
UDF3_DESCR	60		EXTRACT_FIELD_09
UDF4_CD	30		EXTRACT_FIELD_10
UDF4_DESCR	60		EXTRACT_FIELD_11
UDF5_CD	30		EXTRACT_FIELD_12
UDF5_DESCR	60		EXTRACT_FIELD_13
DATA_SOURCE_IND	6		

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTESTAT

Modify View: EXTESTAT_MODIFY_V

Delete View: EXTESTAT_DELETE_V

Feeder Dimension

Properties

Property	Value
Load Table Name	CD_FEEDER
Table Type	Dimension
Source System Driver Table	FEEDERS
Source System Extract Program	bi_feeder_extractor
Stage Table Name	STG_FEEDER_EXT
Stage File Name	D_FEEDER_EXT
Control Table Name	STG_FEEDER_CTL_EXT
Control File name	D_FEEDER_EXT
Update Procedure Name	SPL_FEEDER_UPD_PRC
OWB Map Name	SPLMAP_D_FEEDER
OWB Work Flow Name	SPLWF_D_FEEDER
OWB Work Flow Package Name	DIM2
Extract Procedure	PR_BI_EXTFDR
Modify View Name	EXTFDR_MODIFY_V
Delete View Name	EXTFDR_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_FEEDER_CLS	6	H_CLS	EXTRACT_FIELD_01
SRC_FEEDER_IDX	11	H_IDX	EXTRACT_FIELD_02
FEEDER_NAME	60	NVL(feeder_name, '<' || TO_CHAR(h_cls) || '.' || TO_CHAR(h_idx) || '>')	EXTRACT_FIELD_03

SUBSTN_CD	30	SUBSTATION_NAME	EXTRACT_FIELD_04
SUBSTN_DESCR	60	SUBSTATION_NAME	EXTRACT_FIELD_05
UDF1_CD	30		EXTRACT_FIELD_06
UDF1_DESCR	60		EXTRACT_FIELD_07
UDF2_CD	30		EXTRACT_FIELD_08
UDF2_DESCR	60		EXTRACT_FIELD_09
UDF3_CD	30		EXTRACT_FIELD_10
UDF3_DESCR	60		EXTRACT_FIELD_11
UDF4_CD	30		EXTRACT_FIELD_12
UDF4_DESCR	60		EXTRACT_FIELD_13
UDF5_CD	30		EXTRACT_FIELD_14
UDF5_DESCR	60		EXTRACT_FIELD_15
UDF6_CD	30		EXTRACT_FIELD_16
UDF6_DESCR	60		EXTRACT_FIELD_17
UDF7_CD	30		EXTRACT_FIELD_18
UDF7_DESCR	60		EXTRACT_FIELD_19
UDF8_CD	30		EXTRACT_FIELD_20
UDF8_DESCR	60		EXTRACT_FIELD_21
UDF9_CD	30		EXTRACT_FIELD_22
UDF9_DESCR	60		EXTRACT_FIELD_23
UDF10_CD	30		EXTRACT_FIELD_24
UDF10_DESCR	60		EXTRACT_FIELD_25
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_feeder_extractor

Extract Procedure: PR_BI_EXTFDR

Modify View: EXTFDR_MODIFY_V

Delete View: EXTFDR_DELETE_V

Meter Dimension

Properties

Property	Value
Load Table Name	CD_METER
Table Type	Dimension
Source System Driver Table	cu_meters
Source System Extract Program	bi_customer_extractor
Stage Table Name	STG_METER_EXT
Stage File Name	D_METER_EXT
Control Table Name	STG_METER_CTL_EXT
Control File name	D_METER_EXT
Update Procedure Name	SPL_METER_UPD_PRC
OWB Map Name	SPLMAP_D_METER
OWB Work Flow Name	SPLWF_D_METER
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOMTR
Modify View Name	EXTOMTR_MODIFY_V
Delete View Name	EXTOMTR_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_METER_ID	30	meter_id	EXTRACT_FIELD_01
UDF1_CD	30	meter_type	EXTRACT_FIELD_02
UDF1_DESCR	60	meter_type	EXTRACT_FIELD_03
UDF2_CD	30		EXTRACT_FIELD_04
UDF2_DESCR	60		EXTRACT_FIELD_05
UDF3_CD	30		EXTRACT_FIELD_06
UDF3_DESCR	60		EXTRACT_FIELD_07
UDF4_CD	30		EXTRACT_FIELD_08
UDF4_DESCR	60		EXTRACT_FIELD_09

Extract Field	Length	Source	View Field
UDF5_CD	30		EXTRACT_FIELD_10
UDF5_DESCR	60		EXTRACT_FIELD_11
METER_INFO	254	meter_no	EXTRACT_FIELD_22
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOMTR

Modify View: EXTOMTR_MODIFY_V

Delete View: EXTOMTR_DELETE_V

Person Dimension

Properties

Property	Value
Load Table Name	CD_PER
Table Type	Dimension
Source System Driver Table	cu_customers
Source System Extract Program	bi_customer_extractor
Stage Table Name	STG_PER_EXT
Stage File Name	D_PER_EXT
Control Table Name	STG_PER_CTL_EXT
Control File name	D_PER_EXT
Update Procedure Name	SPL_PER_UPD_PRC
OWB Map Name	SPLMAP_D_PER
OWB Work Flow Name	SPLWF_D_PER
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOPER
Modify View Name	EXTOPER_MODIFY_V
Delete View Name	EXTOPER_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
PERSON_ID	30	cust_id	EXTRACT_FIELD_01
NAME	64	cust_name	EXTRACT_FIELD_02
PHONE	30	cust_home_ac || cust_home_phone	EXTRACT_FIELD_03
BUSINESS_IND	1	'0'	EXTRACT_FIELD_04
UDF1_CD	30		EXTRACT_FIELD_05
UDF1_DESCR	60		EXTRACT_FIELD_06
UDF2_CD	30		EXTRACT_FIELD_07
UDF2_DESCR	60		EXTRACT_FIELD_08
UDF3_CD	30		EXTRACT_FIELD_09
UDF3_DESCR	60		EXTRACT_FIELD_10
UDF4_CD	30		EXTRACT_FIELD_11
UDF4_DESCR	60		EXTRACT_FIELD_12
UDF5_CD	30		EXTRACT_FIELD_13
UDF5_DESCR	60		EXTRACT_FIELD_14
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	
PER_INFO	254	cust_name	EXTRACT_FIELD_25

The following parameters can be supplied to populate the UDFs on the dimension:

- CHAR / person characteristic type code. The UDF is populated with the characteristic value of the person and the description of ther characteristic value (for the specified characteristic type).
- PROG / CI_PER.LS_SL_FLAG. The UDF is populated with the Life Support/Sensitive Load flag of the person and lookup description of the Life Support/Sensitive Load flag.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOPER

Modify View: EXTOPER_MODIFY_V

Delete View: EXTOPER_DELETE_V

Phase Dimension

Properties

Property	Value
Load Table Name	CD_PHASE
Table Type	Dimension
Source System Driver Table	phase_bitmap_lookup
Source System Extract Program	bi_feeder_extractor
Stage Table Name	STG_PHASE_EXT
Stage File Name	D_PHASE_EXT
Control Table Name	STG_PHASE_CTL_EXT
Control File name	D_PHASE_EXT
Update Procedure Name	SPL_PHASE_UPD_PRC
OWB Map Name	SPLMAP_D_PHASE
OWB Work Flow Name	SPLWF_D_PHASE
OWB Work Flow Package Name	DIM2
Extract Procedure	PR_BI_EXTPHASE
Modify View Name	EXTPHASE_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_PHASE_ID	6	phase_bits	EXTRACT_FIELD_01
PHASE_CD	30	phase_string	EXTRACT_FIELD_02
PHASE_DESCR	60	phase_string	EXTRACT_FIELD_03
UDF1_CD	30		EXTRACT_FIELD_04
UDF1_DESCR	60		EXTRACT_FIELD_05
UDF2_CD	30		EXTRACT_FIELD_06
UDF2_DESCR	60		EXTRACT_FIELD_07

Extract Field	Length	Source	View Field
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_feeder_extractor

Extract Procedure: PR_BI_EXTPHASE

Modify View: EXTPHASE_MODIFY_V

Delete View: none

Premise Dimension

Properties

Property	Value
Load Table Name	CD_PREM
Table Type	Dimension
Source System Driver Table	CU_SERVICE_LOCATIONS
Source System Extract Program	bi_customer_extractor
Stage Table Name	STG_PREM_EXT
Stage File Name	D_PREM_EXT
Control Table Name	STG_PREM_CTL_EXT
Control File name	D_PREM_EXT
Update Procedure Name	SPL_PREM_UPD_PRC
OWB Map Name	SPLMAP_D_PREM
OWB Work Flow Name	SPLWF_D_PREM
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOPREM
Modify View Name	EXTOPREM_MODIFY_V
Delete View Name	EXTOPREM_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_PREM_ID	30	serv_loc_id	EXTRACT_FIELD_01
UDF1_CD	30		EXTRACT_FIELD_02
UDF1_DESCR	60		EXTRACT_FIELD_03
UDF2_CD	30	serv_type	EXTRACT_FIELD_04
UDF2_DESCR	60	serv_type	EXTRACT_FIELD_05
UDF3_CD	30	serv_life_support	EXTRACT_FIELD_06
UDF3_DESCR	60	serv_life_support	EXTRACT_FIELD_07
UDF4_CD	30		EXTRACT_FIELD_08
UDF4_DESCR	60		EXTRACT_FIELD_09
UDF5_CD	30		EXTRACT_FIELD_10
UDF5_DESCR	60		EXTRACT_FIELD_11
UDF6_CD	30	serv_c_priority	EXTRACT_FIELD_12
UDF6_DESCR	60	DECODE(NVL(serv_c_priority, 0), 1, 'Critical', 'Non-Critical')	EXTRACT_FIELD_13
UDF7_CD	30	serv_d_priority	EXTRACT_FIELD_14
UDF7_DESCR	60	DECODE(NVL(serv_d_priority, 0), 1, 'Medical', 'Non-Medical')	EXTRACT_FIELD_15
UDF8_CD	30	serv_k_priority	EXTRACT_FIELD_16
UDF8_DESCR	60	DECODE(NVL(serv_k_priority, 0), 1, 'Key', 'Non-Key')	EXTRACT_FIELD_17
UDF9_CD	30		EXTRACT_FIELD_18
UDF9_DESCR	60		EXTRACT_FIELD_19
UDF10_CD	30		EXTRACT_FIELD_20
UDF10_DESCR	60		EXTRACT_FIELD_21
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	
PREM_INFO	254	serv_loc_id	EXTRACT_FIELD_22

The base product uses the following fields to populate the UDFs on the dimension:

- CHAR / premise characteristic type code. The UDF is populated with the characteristic value of the premise and the description of the characteristic value (for the specified characteristic type).
- PROG / CI_PREM.CIS_DIVISION. The UDF is populated with the division code and division description of the premise.
- PROG / CI_PREM.PREM_TYPE_CD. The UDF is populated with the premise type code and description of the premise.
- PROG / CI_PREM.LS_SL_FLG. The UDF is populated with the Life Support/Sensitive Load flag of the premise and the Premise Life Support/Sensitive Load flag lookup description.
- PROG / CI_PREM.TREND_AREA_CD. The UDF is populated with the trend area code and description of the premise.
- PROG / CI_PREM.IN_CITY_LIMIT. The UDF is populated with premises in the city limit switch. Note that both the UDF code and description are populated with the same value.

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTOPREM

Modify View: EXTOPREM_MODIFY_V

Delete View: EXTOPREM_DELETE_V

Supply Node Lookup Dimension

Properties

Property	Value
Load Table Name	CD_SNL
Table Type	Dimension
Source System Driver Table	cu_service_points a, supply_nodes b, cu_service_locations c, customer_edit_view ce
Source System Extract Program	bi_customer_extractor
Stage Table Name	STG_SNL_EXT
Stage File Name	D_SNL_EXT
Control Table Name	STG_SNL_CTL_EXT
Control File name	D_SNL_EXT
Update Procedure Name	SPL_SNL_UPD_PRC
OWB Map Name	SPLMAP_D_SNL
OWB Work Flow Name	SPLWF_D_SNL
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTCSP

Property	Value
Modify View Name	EXTCSP_MODIFY_V
Delete View Name	EXTCSP_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(NVL(ce.edit_time, a.last_update_time), b.birth, c.last_update_time)	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_PERSON_ID	30	a.cust_id	EXTRACT_FIELD_01
SRC_PREMISE_ID	30	a.serv_loc_id	EXTRACT_FIELD_02
SRC_ADDR_ID	30	a.serv_loc_id	EXTRACT_FIELD_03
SRC_METER_ID	30	a.meter_id	EXTRACT_FIELD_04
SRC_ACCOUNT_ID	30	c.serv_account_number	EXTRACT_FIELD_05
DEVICE_ID	60	NVL(ce.device_id, b.device_id)	EXTRACT_FIELD_06
FEEDER_ID	30	NVL(ce.feeder, b.feeder)	EXTRACT_FIELD_07
NCG_ID	11	b.ncg	EXTRACT_FIELD_08
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_customer_extractor

Extract Procedure: PR_BI_EXTCSP

Modify View: EXTCSP_MODIFY_V

Delete View: EXTCSP_DELETE_V

Storm Dimension

Properties

Property	Value
Load Table Name	CD_STORM
Table Type	Dimension

Property	Value
Source System Driver Table	stormman_storms ss, stormman_storm_types sst
Source System Extract Program	bi_event_extractor and nrt_extractor
Stage Table Name	STG_STORM_EXT
Stage File Name	D_STORM_EXT
Control Table Name	STG_STORM_CTL_EXT
Control File name	D_STORM_EXT
Update Procedure Name	
OWB Map Name	SPLMAP_D_STORM
OWB Work Flow Name	SPLWF_D_STORM
OWB Work Flow Package Name	DIM2
Extract Procedure	PR_BI_EXTSTORM
Modify View Name	EXTSTORM_MODIFY_V
Delete View Name	EXTSTORM_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	Last_update_time	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_STORM_NAME	32	ss.storm_name	EXTRACT_FIELD_01
SRC_STORM_NAME_SFX	32	ss.storm_date	EXTRACT_FIELD_02
STORM_TYPE_CD	30	ss.storm_type	EXTRACT_FIELD_03
STORM_TYPE_DESCR	60	sst.storm_type_name	EXTRACT_FIELD_04
STORM_LEVEL_CD	30	ss.storm_level	EXTRACT_FIELD_05
STORM_LEVEL_DESCR	60	ss.storm_level	EXTRACT_FIELD_06
STORM_START_DTTM	20	min(storm_start)	EXTRACT_FIELD_07
STORM_END_DTTM	20	max(.storm_start)	EXTRACT_FIELD_08
UDF1_CD	30	min(storm_start)	EXTRACT_FIELD_09
UDF1_DESCR	60	min(storm_start)	EXTRACT_FIELD_10
UDF2_CD	30	max(.storm_start)	EXTRACT_FIELD_11
UDF2_DESCR	60	max(.storm_start)	EXTRACT_FIELD_12

Extract Field	Length	Source	View Field
UDF3_CD	30		EXTRACT_FIELD_13
UDF3_DESCR	60		EXTRACT_FIELD_14
UDF4_CD	30		EXTRACT_FIELD_15
UDF4_DESCR	60		EXTRACT_FIELD_16
UDF5_CD	30		EXTRACT_FIELD_17
UDF5_DESCR	60		EXTRACT_FIELD_18
UDF6_CD	30		EXTRACT_FIELD_19
UDF6_DESCR	60		EXTRACT_FIELD_20
UDF7_CD	30		EXTRACT_FIELD_21
UDF7_DESCR	60		EXTRACT_FIELD_22
UDF8_CD	30		EXTRACT_FIELD_23
UDF8_DESCR	60		EXTRACT_FIELD_24
UDF9_CD	30		EXTRACT_FIELD_25
UDF9_DESCR	60		EXTRACT_FIELD_26
UDF10_CD	30		EXTRACT_FIELD_27
UDF10_DESCR	60		EXTRACT_FIELD_28
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_event_extractor and nrt_extractor

Extract Procedure: PR_BI_EXTSTORM

Modify View: EXTSTORM_MODIFY_V

Delete View: EXTSTORM_DELETE_V

Storm Outage Type Dimension

Properties

Property	Value
Load Table Name	CD_STORM_OUTAGE_TYPE
Table Type	Dimension
Source System Driver Table	stormman_outage_types

Property	Value
Source System Extract Program	bi_common_extractor and bi_event_extractor
Stage Table Name	STG_STORM_OUTAGE_TYPE_EXT
Stage File Name	D_STORM_OUTAGE_TYPE_EXT
Control Table Name	STG_STORM_OUTAGE_TYPE_CTL_EXT
Control File name	D_STORM_OUTAGE_TYPE_EXT
Update Procedure Name	
OWB Map Name	SPLMAP_D_STORM_OUTAGE_TYPE
OWB Work Flow Name	SPLWF_D_STORM_OUTAGE_TYPE
OWB Work Flow Package Name	DIM2
Extract Procedure	PR_BI_EXTSTORMOT
Modify View Name	EXTSTORMOT_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	sysdate - 1	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_OUTAGE_TYPE	5	outage_type	EXTRACT_FIELD_01
OUTAGE_TYPE_CD	30	outage_type	EXTRACT_FIELD_02
OUTAGE_TYPE_DESCR	60	outage_type_name	EXTRACT_FIELD_03
UDF1_CD	30		EXTRACT_FIELD_04
UDF1_DESCR	60		EXTRACT_FIELD_05
UDF2_CD	30		EXTRACT_FIELD_06
UDF2_DESCR	60		EXTRACT_FIELD_07
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_common_extractor and bi_event_extractor

Extract Procedure: PR_BI_EXTSTORMOT

Modify View: EXTSTORMOT_MODIFY_V

Delete View: none

Switch Plan Dimension

Properties

Property	Value
Load Table Name	CD_SW_PLAN
Table Type	Dimension
Source System Driver Table	swman_sheets
Source System Extract Program	bi_switch_extractor
Stage Table Name	STG_SW_PLAN_EXT
Stage File Name	D_SW_PLAN_EXT
Control Table Name	STG_SW_PLAN_CTL_EXT
Control File name	D_SW_PLAN_EXT
Update Procedure Name	
OWB Map Name	SPLMAP_D_SW_PLAN
OWB Work Flow Name	SPLWF_D_SW_PLAN
OWB Work Flow Package Name	DIM2
Extract Procedure	PR_BI_EXTSWSD
Modify View Name	EXTSWSD_MODIFY_V
Delete View Name	EXTSWSD_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	Last_update_time	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_SW_PLAN_CLS	6	swman_sheet_cls	EXTRACT_FIELD_01
SRC_SW_PLAN_IDX	11	switch_sheet_idx	EXTRACT_FIELD_02
UDF1_CD	30		EXTRACT_FIELD_03
UDF1_DESCR	60		EXTRACT_FIELD_04
UDF2_CD	30		EXTRACT_FIELD_05
UDF2_DESCR	60		EXTRACT_FIELD_06
UDF3_CD	30		EXTRACT_FIELD_07
UDF3_DESCR	60		EXTRACT_FIELD_08
UDF4_CD	30		EXTRACT_FIELD_09

Extract Field	Length	Source	View Field
UDF4_DESCR	60		EXTRACT_FIELD_10
UDF5_CD	30		EXTRACT_FIELD_11
UDF5_DESCR	60		EXTRACT_FIELD_12
UDF6_CD	30		EXTRACT_FIELD_13
UDF6_DESCR	60		EXTRACT_FIELD_14
UDF7_CD	30		EXTRACT_FIELD_15
UDF7_DESCR	60		EXTRACT_FIELD_16
UDF8_CD	30		EXTRACT_FIELD_17
UDF8_DESCR	60		EXTRACT_FIELD_18
UDF9_CD	30		EXTRACT_FIELD_19
UDF9_DESCR	60		EXTRACT_FIELD_20
UDF10_CD	30		EXTRACT_FIELD_21
UDF10_DESCR	60		EXTRACT_FIELD_22
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_EXTSWSD

Modify View: EXTSWSD_MODIFY_V

Delete View: EXTSWSD_DELETE_V

Switch Plan State Dimension

Properties

Property	Value
Load Table Name	CD_SW_PLAN_STATE
Table Type	Dimension
Source System Driver Table	te_valid_states
Source System Extract Program	bi_switch_extractor
Stage Table Name	STG_SW_PLAN_STATE_EXT
Stage File Name	STG_SW_PLAN_STATE_EXT

Property	Value
Control Table Name	STG_SW_PLAN_STATE_EXT
Control File name	D_SW_PLAN_STATE_EXT
Update Procedure Name	
OWB Map Name	D_SW_PLAN_STATE_EXT
OWB Work Flow Name	SPLWF_D_SW_PLAN_STATE
OWB Work Flow Package Name	DIM2
Extract Procedure	PR_BI_EXTVALST
Modify View Name	EXTVALID_STATES_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	sysdate - 1	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_STATE_KEY	5	state_key	EXTRACT_FIELD_01
STATE_CD	30	state_name	EXTRACT_FIELD_02
STATE_DESCR	60	description	EXTRACT_FIELD_03
UDF1_CD	30		EXTRACT_FIELD_04
UDF1_DESCR	60		EXTRACT_FIELD_05
UDF2_CD	30		EXTRACT_FIELD_06
UDF2_DESCR	60		EXTRACT_FIELD_07
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_EXTVALST

Modify View: EXTVALID_STATES_MODIFY_V

Delete View: none

User Dimension

Properties

Property	Value
Load Table Name	CD_USER
Table Type	Fact
Source System Driver Table	ces_user
Source System Extract Program	bi_common_extractor
Stage Table Name	STG_USER_EXT
Stage File Name	D_USER_EXT
Control Table Name	STG_USER_CTL_EXT
Control File name	D_USER_EXT
Update Procedure Name	SPL_USER_UPD_PRC
OWB Map Name	SPLMAP_D_USER
OWB Work Flow Name	SPLWF_D_USER
OWB Work Flow Package Name	DIM
Extract Procedure	PR_BI_EXTOUSER
Modify View Name	EXTOUSER_MODIFY_V
Delete View Name	EXTOUSER_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	LAST_UPDATE_TIME	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SOURCE_USER_ID	16	user_name	EXTRACT_FIELD_01
USER_NAME	60	full_name	EXTRACT_FIELD_02
UDF1_CD	30		EXTRACT_FIELD_10
UDF1_DESCR	60		EXTRACT_FIELD_11
UDF2_CD	30		EXTRACT_FIELD_20
UDF2_DESCR	60		EXTRACT_FIELD_21
UDF3_CD	30		EXTRACT_FIELD_30
UDF3_DESCR	60		EXTRACT_FIELD_31
UDF4_CD	30		EXTRACT_FIELD_40

Extract Field	Length	Source	View Field
UDF4_DESCR	60		EXTRACT_FIELD_41
UDF5_CD	30		EXTRACT_FIELD_50
UDF5_DESCR	60		EXTRACT_FIELD_51
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

The UDF parameters are used to define if and how the UDFs on this dimension should be populated. No predefined list of fields is supported by this extract. However, you can introduce user exit logic to the extract program if you wish to populate your own UDFs on this dimension.

NMS Extract Program: bi_common_extractor

Extract Procedure: PR_BI_EXTOUSER

Modify View: EXTOUSER_MODIFY_V

Delete View: EXTOUSER_DELETE_V

Fact Extract Programs

Feeder Delivered Load Snapshot Fact (NMS)

Properties

Property	Value
Load Table Name	CF_FEEDER_DLVRD_LOAD
Table Type	Fact
Source System Driver Table	flm_fdr_load flm, pf_switches p, network_components n
Source System Extract Program	bi_feeder_extractor
Stage Table Name	STG_FEEDER_DLVRD_LOAD_EXT
Stage File Name	F_FEEDER_DLVRD_LOAD_EXT
Control Table Name	STG_FEEDER_DLVRD_LOAD_CTL_EXT
Control File name	F_FEEDER_DLVRD_LOAD_EXT
Update Procedure Name	SPL_FEEDER_DLVRD_LOAD_UPD_PRC
OWB Map Name	SPLMAP_F_FEEDER_DLVRD_LOAD
OWB Work Flow Name	SPLWF_F_FEEDER_DLVRD_LOAD
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_EXTFDRLD
Modify View Name	EXTFDRLD_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	flm.analysis_date	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_FEEDER_CLS	6	flm.fdr_cls	EXTRACT_FIELD_01
SRC_FEEDER_IDX	11	flm.fdr_idx	EXTRACT_FIELD_02
SRC_DTTM	20	flm.analysis_date	EXTRACT_FIELD_03
SRC_PHASE_ID	6	1, 2, 4 or 7	EXTRACT_FIELD_04
SRC_NCG_ID	10	n.ncg	EXTRACT_FIELD_05
BRKR_SRC_DEVICE_CLS	6	flm.cb_cls	EXTRACT_FIELD_06
BRKR_SRC_DEVICE_IDX	11	flm.cb_idx	EXTRACT_FIELD_07

Extract Field	Length	Source	View Field
SUBSTN_SRC_DEVICE_CLS	6	flm.cb_cls	EXTRACT_FIELD_08
SUBSTN_SRC_DEVICE_IDX	11	flm.cb_idx	EXTRACT_FIELD_09
SNAPSHOT_DATE	8	flm.analysis_date	EXTRACT_FIELD_10
SNAPSHOT_TIME	8	flm.analysis_date	EXTRACT_FIELD_10
BRKR_AMP_LIMIT	20	pf_switches.amp_limit	EXTRACT_FIELD_11
AMP	20	flm.amp_a	EXTRACT_FIELD_12
KW	20	flm.kw_a	EXTRACT_FIELD_13
KVAR	20	flm.kvar_a	EXTRACT_FIELD_14
KVA	20	SQRT(POWER(flm.kw_a, 2) + POWER(flm.kvar_a, 2))	EXTRACT_FIELD_15
VOLTAGE	20	flm.kv_a * 1000.0	EXTRACT_FIELD_16
POWER_FACTOR	20	flm.kw_a/DECODE(flm.kw_a, 0, 1, SQRT(POWER(flm.kw_a, 2) + POWER(flm.kvar_a, 2))	EXTRACT_FIELD_17
UDD1_CD	16		EXTRACT_FIELD_18
UDD2_CD	16		EXTRACT_FIELD_19
UDM1	20		EXTRACT_FIELD_20
UDM2	20		EXTRACT_FIELD_21
UDM3	20		EXTRACT_FIELD_22
UDM4	20		EXTRACT_FIELD_23
UDM5	20		EXTRACT_FIELD_23
UDDGEN1	8	'Phase' for Phases 1, 2 and 4, 'Feeder' for Phase 7	EXTRACT_FIELD_24
UDDGEN2	8		EXTRACT_FIELD_25
UDDGEN3	8		EXTRACT_FIELD_26
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

Extract Procedure: PR_BI_ EXTFDRLD

Modify View: EXTFDRLD_MODIFY_V

Delete View: none

This extracts the feeder delivered load information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- BRKR_AMP_LIMIT. Breaker Amp Limit.
- AMP. Amp - Phase A, B and C.
- KW. KW - Phase A, B and C.
- KVAR. KVAR - Phase A, B and C.
- KVA. KVA - Phase A, B and C.
- VOLTAGE. Voltage - Phase A, B and C.
- POWER_FACTOR. Power Factor - Phase A, B and C.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Recent Call Fact (NMS)

Properties

Property	Value
Load Table Name	CF_RECENT_CALL
Table Type	Fact
Source System Driver Table	incidents I, jobs j
Source System Extract Program	nrt_extractor
Stage Table Name	STG_RECENT_CALL_EXT
Stage File Name	F_RECENT_CALL_EXT
Control Table Name	STG_RECENT_CALL_CTL_EXT
Control File name	F_RECENT_CALL_EXT
Update Procedure Name	SPL_RECENT_CALL_DEL_PRC
OWB Map Name	SPLMAP_F_RECENT_CALL
OWB Work Flow Name	SPLWF_F_RECENT_CALL
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_NRTINC
Modify View Name	EXTINC_MODIFY_V
Delete View Name	EXTINC_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(i.last_update_time, j.last_update_time)	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_INCIDENT_ID	10	DECODE(NVL(i.associate_idx, 0), 0, i.numb, i.associate_idx)	EXTRACT_FIELD_01
SRC_NBR	60	j.numb	EXTRACT_FIELD_02
SRC_ACCT_ID	30	i.account_num	EXTRACT_FIELD_03
CALL_DATE	8	i.input_time	EXTRACT_FIELD_04
CALL_TIME	8	i.input_time	EXTRACT_FIELD_04
SRC_NCG_ID	10	i.ncg	EXTRACT_FIELD_05
USER_CD	16	pk_bi_extractor.pr_get_user(i.user_name)	EXTRACT_FIELD_06
PRIORITY_IND	1	DECODE(SUBSTR(i.complaint, 7, 1), '1', '1', '2', '1', '0'), ' ')	EXTRACT_FIELD_07
UDD1_CD	16		EXTRACT_FIELD_08
UDD2_CD	16		EXTRACT_FIELD_09
UDM1	20		EXTRACT_FIELD_10
UDM2	20		EXTRACT_FIELD_11
UDM3	20		EXTRACT_FIELD_12
UDM4	20		EXTRACT_FIELD_13
UDM5	20		EXTRACT_FIELD_14
UDDGEN1	8		EXTRACT_FIELD_15
UDDGEN2	8		EXTRACT_FIELD_16
UDDGEN3	8		EXTRACT_FIELD_17
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

Extract Procedure: PR_BI_NRTINC

Modify View: EXTINC_MODIFY_V

Delete View: EXTINC_DELETE_V

This extracts call information from the Oracle Utilities Network Management Systems system. Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called

SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the Recent Outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data Source Indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Recent Crew Activity Fact (NMS)

Properties

Property	Value
Load Table Name	CF_RECENT_CREW
Table Type	Fact
Source System Driver Table	jobs j, crew_event_history ceh, crew_assignments assign, crew_assignments unassign, crew_dispatches dispatch, crew_dispatches arrive, crew_dispatches complete
Source System Extract Program	nrt_extractor
Stage Table Name	STG_RECENT_CREW_EXT
Stage File Name	F_RECENT_CREW_EXT
Control Table Name	STG_RECENT_CREW_CTL_EXT
Control File name	F_RECENT_CREW_EXT
Update Procedure Name	SPL_RECENT_CREW_DEL_PRC
OWB Map Name	SPLMAP_F_RECENT_CREW
OWB Work Flow Name	SPLWF_F_RECENT_CREW
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_NRTCRWA
Modify View Name	EXTCRWA_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(MIN(NVL(assign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(unassign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(dispatch.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(arrive.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(complete.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_CREW_ID	16	ceh.crew_id	EXTRACT_FIELD_01
SRC_EVENT_NBR	60	j.numb	EXTRACT_FIELD_02
SRC_NCG_ID	10	j.ncg	EXTRACT_FIELD_03
SRC_DEVICE_IDX	10	j.h_idx	EXTRACT_FIELD_04
SRC_DEVICE_CLS	10	j.h_cls	EXTRACT_FIELD_05
ASSIGN_DATE	8	MIN (assign.when_happened)	EXTRACT_FIELD_06
ASSIGN_TIME	8	MIN (assign.when_happened)	EXTRACT_FIELD_06
SRC_ASSIGN_USER	16	MIN (assign.ces_user)	EXTRACT_FIELD_07
UNASSIGN_DATE	8	MIN (unassign.when_happened)	EXTRACT_FIELD_08
UNASSIGN_TIME	8	MIN (unassign.when_happened)	EXTRACT_FIELD_08
SRC_UNASSIGN_USER	16	MIN(unassign.ces_user)	EXTRACT_FIELD_09
ACCEPT_DATE	8	MIN(dispatch.when_happened)	EXTRACT_FIELD_10
ACCEPT_TIME	8	MIN(dispatch.when_happened)	EXTRACT_FIELD_10
SRC_ACCEPT_USER	16	MIN(dispatch.ces_user)	EXTRACT_FIELD_11
ARRIVE_DATE	8	MIN(arrive.when_happened)	EXTRACT_FIELD_12
ARRIVE_TIME	8	MIN(arrive.when_happened)	EXTRACT_FIELD_12
SRC_ARRIVE_USER	16	MIN(arrive.ces_user)	EXTRACT_FIELD_13
CMPL_DATE	8	MIN(complete.when_happened)	EXTRACT_FIELD_14

Extract Field	Length	Source	View Field
CMPL_TIME	8	MIN(complete.when_happened)	EXTRACT_FIELD_14
SRC_CMPL_USER	16	MIN(complete.ces_user)	EXTRACT_FIELD_15
SRC_STORM_NAME	32	fn_get_storm_name_and_date(MIN(j.event_idx)), 64)	EXTRACT_FIELD_16
SRC_STORM_NAME_SFX	32	fn_get_storm_name_and_date(MIN(j.event_idx)), 64)	EXTRACT_FIELD_16
SRC_OUTAGE_TYPE	5	MIN(j.stormman_type)	EXTRACT_FIELD_17
UDD1_CD	16		EXTRACT_FIELD_18
UDD2_CD	16		EXTRACT_FIELD_19
INROUTE_DURATION	20	1440 * NVL(MIN(arrive.when_happened) - MIN(dispatch.when_happened), 0)	EXTRACT_FIELD_20
WORK_DURATION	20	1440 * NVL(MIN(complete.when_happened) - MIN(arrive.when_happened), 0)	EXTRACT_FIELD_21
ASSIGN_DURATION	20	1440 * NVL(MIN(unassign.when_happened) - MIN(assign.when_happened), 0)	EXTRACT_FIELD_22
DISPATCH_DURATION	20	1440 * NVL(MIN(complete.when_happened) - MIN(assign.when_happened), 0)	EXTRACT_FIELD_23
UDM1	20		EXTRACT_FIELD_24
UDM2	20		EXTRACT_FIELD_25
UDM3	20		EXTRACT_FIELD_26
UDM4	20		EXTRACT_FIELD_27
UDM5	20		EXTRACT_FIELD_28
UDDGEN1	8		EXTRACT_FIELD_29
UDDGEN2	8		EXTRACT_FIELD_30
UDDGEN3	8		EXTRACT_FIELD_31
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

Extract Procedure: PR_BI_NRTCRWA

Modify View: EXTCRWA_MODIFY_V

Delete View: none

This extracts the crew job information from the Oracle Utilities Network Management Systems system. Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the Recent Outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data Source Indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- ASSIGN_DURATION. How long was the crew assigned to the job.
- DISPATCH_DURATION. How long did the crew spend dispatched to the job.
- INROUTE_DURATION. How long did the crew spend traveling to the job.
- WORK_DURATION. How long did the crew spend working on the job.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Recent Customer Outage Fact (NMS)

Properties

Property	Value
Load Table Name	CF_CUST_RECENT_OUTG
Table Type	Fact
Source System Driver Table	supply_node_log snl, jobs j, picklist_info_upd_tr p, supply_nodes sn, swman_sheets ss, incidents i
Source System Extract Program	Nrt_extractor
Stage Table Name	STG_CUST_RECENT_OUTG_EXT
Stage File Name	F_CUST_RECENT_OUTG_EXT
Control Table Name	STG_CUST_RECENT_OUTG_CTL_EXT
Control File name	F_CUST_RECENT_OUTG_EXT
Update Procedure Name	SPL_CUST_RECENT_DEL_PRC
OWB Map Name	SPLMAP_F_CUST_RECENT_OUTG
OWB Work Flow Name	SPLWF_F_CUST_RECENT_OUTG
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_NRTCOF
Modify View Name	NRTSNL_MODIFY_V

Property	Value
Delete View Name	EXTSNL_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	greatest(snl.last_update_time, j.last_update_time, NVL(p.last_update_time, snl.last_update_time))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_ID	10	snl.id	EXTRACT_FIELD_01
SRC_DEVICE_ID	30	sn.device_id	EXTRACT_FIELD_02
SRC_FEEDER_ID	30	sn.feeder	EXTRACT_FIELD_03
SRC_ACCT_ID	30	i.account_num (for service outages only)	EXTRACT_FIELD_04
SRC_NBR	60	j.numb	EXTRACT_FIELD_05
SRC_STATUS	10	j.status	EXTRACT_FIELD_06
BEGIN_DATE	8	snl.outage_time	EXTRACT_FIELD_07
BEGIN_TIME	8	snl.outage_time	EXTRACT_FIELD_07
BEGIN_DTTM	20	snl.outage_time	EXTRACT_FIELD_08
RST_DATE	8	snl.restore_time	EXTRACT_FIELD_09
RST_TIME	8	snl.restore_time	EXTRACT_FIELD_09
RST_DTTM	20	snl.restore_time	EXTRACT_FIELD_10
RST_IND	1	DECODE(snl.restore_time, NULL, 0, 1)	EXTRACT_FIELD_11
EST_RST_DATE	8	j.est_rest_time	EXTRACT_FIELD_12
EST_RST_TIME	8	j.est_rest_time	EXTRACT_FIELD_12
SRC_AFF_NCG_ID	10	snl.ncg	EXTRACT_FIELD_13
SRC_CAUSE_NCG_ID	10	j.ncg	EXTRACT_FIELD_14
SRC_AFF_DEVICE_IDX	10	sn.device_idx	EXTRACT_FIELD_15
SRC_AFF_DEVICE_CLS	10	sn.device_cls	EXTRACT_FIELD_16
SRC_CAUSE_DEVICE_IDX	10	j.h_idx	EXTRACT_FIELD_17
SRC_CAUSE_DEVICE_CLS	10	j.h_cls	EXTRACT_FIELD_18

Extract Field	Length	Source	View Field
SRC_FEEDER_CLS	6	j.feeder_cls	EXTRACT_FIELD_19
SRC_FEEDER_IDX	11	j.feeder_idx	EXTRACT_FIELD_20
SRC_SW_PLAN_CLS	6	j.swsheet_cls	EXTRACT_FIELD_21
SRC_SW_PLAN_IDX	11	j.swsheet_idx	EXTRACT_FIELD_22
SRC_STORM_NAME	32	fn_get_storm_name_and_date(j.event_idx)	EXTRACT_FIELD_23
SRC_STORM_NAME_SFX	32	fn_get_storm_name_and_date(j.event_idx)	EXTRACT_FIELD_23
SRC_OUTAGE_TYPE	5	j.stormman_type	EXTRACT_FIELD_24
SRC_PARENT_NBR	60	fn_get_parent_event(j.event_idx, j.numb)	EXTRACT_FIELD_25
PLANNED_IND	1	ss.emerg_tb	EXTRACT_FIELD_26
OMS_EXCLUDE_IND	1	p.no_dtr_flag	EXTRACT_FIELD_27
CANCELLED_IND	1	DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'),	EXTRACT_FIELD_28
EXCLUDE_IND	1	DECODE(BITAND(j.state_value, 1024), 1024, '1', /* Cancelled */ DECODE(UPPER(p.no_dtr_flag), 'Y', '1', /* No DTR Flag Set */ DECODE(UPPER(NVL(ss.emerg_tb, 'X')), 'N', 1, /* Planned */ 0)))	EXTRACT_FIELD_29
UDD1_CD	16		EXTRACT_FIELD_30
UDD2_CD	16		EXTRACT_FIELD_31
OUTG_DURATION	20	1440 * (snl.restore_time - snl.outage_time)	EXTRACT_FIELD_32
NUM_MOMENTARY	6	j.num_momentaries	EXTRACT_FIELD_33
CMI	20	1440 * (snl.restore_time - snl.outage_time)	EXTRACT_FIELD_34
UDM1	20		EXTRACT_FIELD_35
UDM2	20		EXTRACT_FIELD_36
UDM3	20		EXTRACT_FIELD_37
UDM4	20		EXTRACT_FIELD_38
UDM5	20		EXTRACT_FIELD_39
UDDGEN1	8		EXTRACT_FIELD_40

Extract Field	Length	Source	View Field
UDDGEN2	8		EXTRACT_FIELD_41
UDDGEN3	8		EXTRACT_FIELD_42
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: nrt _extractor

Extract Procedure: PR_BI_NRTCOF

Modify View: NRTSNL_MODIFY_V

Delete View: EXTSNL_DELETE_V

This extracts customers experiencing service interruptions from the SUPPLY_NODE_LOG information. Since the SUPPLY_NODE_LOG does not contain customer specific data, the extract file will contain the list of supply nodes experience service interruptions, and the mapping procedure will join this to the CD_SNL records active at the time of the interruption to determine actual customers.

Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the recent outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data source indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption. This is only computed when service has been restored, and is equal to the restore time – the start time.
- CMI. This is the outage duration in minutes multiplied by the FACT_CNT value.
- NUM_MOMENTARY. This is the number of momentary interruptions that preceded this service interruption.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

  Note: The load process of CF_CUST_RECENT_OUTG and CF_CUST_RST_OUTG tables is different from other fact load processes. The differences are driven by the functionality provided by the analytics using these two facts. Outages are reported by individual customers and the outage management system tries to identify the supply node (transformer/substation/feeder) that is possibly the cause of the outage. A supply node in the Oracle Utilities Network Management System system may be connected to more than one customer. Hence an outage associated with a single note may impact multiple customers. The source data only provides the node level information,

however the fact processing logic derives the customers impacted by identifying the customers associated by the supply node.

This implies that even if the data file that is received has 'N' records, the load process may end up loading more than 'N' (around 3 times N) records into the fact. The number of records loaded depends on how supply nodes are configured in the Oracle Utilities Network Management System system.

As part of the error handling routines implemented in v2.4.0.3, the validations have been modified to handle this appropriately.

Recent Job Fact (NMS)

Properties

Property	Value
Load Table Name	CF_RECENT_JOB
Table Type	Fact
Source System Driver Table	Jobs j, picklist_info_upd_tr p, swman_sheets ss
Source System Extract Program	nrt_extractor
Stage Table Name	STG_RECENT_JOB_EXT
Stage File Name	F_RECENT_JOB_EXT
Control Table Name	STG_RECENT_JOB_CTL_EXT
Control File name	F_RECENT_JOB_EXT
Update Procedure Name	SPL_RECENT_JOB_DEL_PRC
OWB Map Name	SPL_RECENT_JOB_DEL_PRC
OWB Work Flow Name	SPLWF_F_RECENT_JOB
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_NRTJOBT
Modify View Name	EXTJOBT_MODIFY_V
Delete View Name	EXTJOBT_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(j.last_update_time, NVL(p.last_update_time, j.last_update_time))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_NBR	60	j.numb	EXTRACT_FIELD_01

Extract Field	Length	Source	View Field
SRC_STATUS	10	j.status	EXTRACT_FIELD_02
SRC_NCG_ID	10	j.ncg	EXTRACT_FIELD_03
BEGIN_DATE	8	j.begin_time	EXTRACT_FIELD_04
BEGIN_TIME	8	j.begin_time	EXTRACT_FIELD_04
BEGIN_DTTM	20	j.begin_time	EXTRACT_FIELD_05
RST_DATE	8	j.restore_time	EXTRACT_FIELD_06
RST_TIME	8	j.restore_time	EXTRACT_FIELD_06
RST_DTTM	20	j.restore_time	EXTRACT_FIELD_07
RST_IND	1	j.restore_time	EXTRACT_FIELD_08
EST_RST_DATE	8	j.est_rest_time	EXTRACT_FIELD_09
EST_RST_TIME	8	j.est_rest_time	EXTRACT_FIELD_09
SRC_DEVICE_IDX	10	j.h_idx	EXTRACT_FIELD_10
SRC_DEVICE_CLS	10	j.h_cls	EXTRACT_FIELD_11
SRC_CMPL_USER	16	j.who_completed	EXTRACT_FIELD_12
SRC_RESP_USER	16	j.who_responsible	EXTRACT_FIELD_13
SRC_CREW_ID	16	fn_get_crew_id(j.event_idx, j.event_cls)	EXTRACT_FIELD_14
SRC_FEEDER_CLS	6	j.feeder_cls	EXTRACT_FIELD_15
SRC_FEEDER_IDX	11	j.feeder_idx	EXTRACT_FIELD_16
SRC_SW_PLAN_CLS	6	j.swsheet_cls	EXTRACT_FIELD_17
SRC_SW_PLAN_IDX	11	j.swsheet_idx	EXTRACT_FIELD_18
SRC_STORM_NAME	32	fn_get_storm_name_and_date(j.event_idx), 64)	EXTRACT_FIELD_19
SRC_STORM_NAME_SFX	32	fn_get_storm_name_and_date(j.event_idx), 64)	EXTRACT_FIELD_19
SRC_OUTAGE_TYPE	5	j.stormman_type	EXTRACT_FIELD_20
PARENT_SRC_NBR	60	fn_get_parent_event(j.event_idx, j.numb)	EXTRACT_FIELD_21
UDD1_CD	16		EXTRACT_FIELD_22
UDD2_CD	16		EXTRACT_FIELD_23
OUTG_DURATION	20	1440 * (j.restore_time - j.begin_time)	EXTRACT_FIELD_24
PLANNED_IND	1	DECODE(UPPER(NVL(swman_sheet_category.sheet_category_name, 'X')), 'N', 1, 0)	EXTRACT_FIELD_25

Extract Field	Length	Source	View Field
OMS_EXCLUDE_IND	1	DECODE(UPPER(p.no_dtr_flag), 'Y', '1', '0')	EXTRACT_FIELD_26
CANCELLED_IND	1	DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'),	EXTRACT_FIELD_27
EXCLUDE_IND	1	PLANNED_IND or OMS_EXCLUDE_IND or CANCELLED_IND	EXTRACT_FIELD_28
UDM1	20	j.num_cust_out	EXTRACT_FIELD_29
UDM2	20	fn_get_num_calls(j.event_idx)	EXTRACT_FIELD_30
UDM3	20	1440 * (j.restore_time - j.est_rest_time)	EXTRACT_FIELD_31
UDM4	20		EXTRACT_FIELD_32
UDM5	20		EXTRACT_FIELD_33
UDDGEN1	8		EXTRACT_FIELD_34
UDDGEN2	8		EXTRACT_FIELD_35
UDDGEN3	8		EXTRACT_FIELD_36
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: nrt _extractor

Extract Procedure: PR_BI_NRTJOBT

Modify View: EXTJOBT_MODIFY_V

Delete View: EXTJOBT_DELETE_V

This extracts job information from Oracle Utilities Network Management System.

Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the recent outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data source indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption. This is only computed when service has been restored, and is equal to the restore time – the start time.

- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Restored Call Fact (NMS)

Properties

Property	Value
Load Table Name	CF_RST_CALL
Table Type	Fact
Source System Driver Table	incidents I, jobs j
Source System Extract Program	bi_event _extractor
Stage Table Name	STG_RST_CALL_EXT
Stage File Name	F_RST_CALL_EXT
Control Table Name	STG_RST_CALL_CTL_EXT
Control File name	F_RST_CALL_EXT
Update Procedure Name	SPL_RST_CALL_DEL_PRC
OWB Map Name	SPLMAP_F_RST_CALL
OWB Work Flow Name	SPLWF_F_RST_CALL
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_NRTINC
Modify View Name	EXTINC_MODIFY_V
Delete View Name	EXTINC_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(i.last_update_time, j.last_update_time)	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_INCIDENT_ID	10	DECODE(NVL(i.associate_idx, 0), 0, i.numb, i.associate_idx)	EXTRACT_FIELD_01
SRC_NBR	60	j.numb	EXTRACT_FIELD_02
SRC_ACCT_ID	30	i.account_num	EXTRACT_FIELD_03
CALL_DATE	8	i.input_time	EXTRACT_FIELD_04
CALL_TIME	8	i.input_time	EXTRACT_FIELD_04

Extract Field	Length	Source	View Field
SRC_NCG_ID	10	i.ncg	EXTRACT_FIELD_05
USER_CD	16	pk_bi_extractor.pr_get_user(i.user_name)	EXTRACT_FIELD_06
PRIORITY_IND	1	DECODE(SUBSTR(i.complaint, 7, 1), '1', '1', '2', '1', '0'), ' ')	EXTRACT_FIELD_07
UDD1_CD	16		EXTRACT_FIELD_08
UDD2_CD	16		EXTRACT_FIELD_09
UDM1	20		EXTRACT_FIELD_10
UDM2	20		EXTRACT_FIELD_11
UDM3	20		EXTRACT_FIELD_12
UDM4	20		EXTRACT_FIELD_13
UDM5	20		EXTRACT_FIELD_14
UDDGEN1	8		EXTRACT_FIELD_15
UDDGEN2	8		EXTRACT_FIELD_16
UDDGEN3	8		EXTRACT_FIELD_17
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: nrt _extractor

Extract Procedure: PR_BI_NRTJOBT

Modify View: EXTJOBT_MODIFY_V

Delete View: EXTJOBT_DELETE_V

This extracts job information from Oracle Utilities Network Management System.

Since this fact must be kept minimized for performance reasons, a daily purge process must be run to delete old restored outages from this table. This procedure is called SPL_OMS_SNAPSHOT_PKG.SPL_PURGE_RECENT_FNC and has the following parameters:

- NUMBER_OF_DAYS. Total number of days to keep in the recent outage tables. All restored interruptions that started earlier than this will be purged from this table.
- DATA_SOURCE_IND. Data source indicator to be deleted. Default value is 4.
- DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption. This is only computed when Service has been restored, and is equal to the restore time – the start time.

- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Restored Crew Activity Fact (NMS)

Properties

Property	Value
Load Table Name	CF_RST_CREW
Table Type	Fact
Source System Driver Table	jobs j, crew_event_history ceh, crew_assignments assign, crew_assignments unassign, crew_dispatches dispatch, crew_dispatches arrive, crew_dispatches complete
Source System Extract Program	bi_event_extractor
Stage Table Name	STG_RST_CREW_EXT
Stage File Name	F_RST_CREW_EXT
Control Table Name	STG_RST_CREW_CTL_EXT
Control File name	F_RST_CREW_EXT
Update Procedure Name	SPL_RST_CREW_DEL_PRC
OWB Map Name	SPLMAP_F_RST_CREW
OWB Work Flow Name	SPLWF_F_RST_CREW
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_NRTCRWA
Modify View Name	PR_BI_EXTCRWA
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(MIN(NVL(assign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(unassign.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(dispatch.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(arrive.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))), MIN(NVL(complete.when_happened, TO_DATE('01/01/1990','DD/MM/YYYY'))))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_CREW_ID	16	ceh.crew_id	EXTRACT_FIELD_01
SRC_EVENT_NBR	60	j.numb	EXTRACT_FIELD_02
SRC_NCG_ID	10	j.ncg	EXTRACT_FIELD_03
SRC_DEVICE_IDX	10	j.h_idx	EXTRACT_FIELD_04
SRC_DEVICE_CLS	10	j.h_cls	EXTRACT_FIELD_05
ASSIGN_DATE	8	MIN (assign.when_happened)	EXTRACT_FIELD_06
ASSIGN_TIME	8	MIN (assign.when_happened)	EXTRACT_FIELD_06
SRC_ASSIGN_USER	16	MIN (assign.ces_user)	EXTRACT_FIELD_07
UNASSIGN_DATE	8	MIN (unassign.when_happened)	EXTRACT_FIELD_08
UNASSIGN_TIME	8	MIN (unassign.when_happened)	EXTRACT_FIELD_08
SRC_UNASSIGN_USER	16	MIN(unassign.ces_user)	EXTRACT_FIELD_09
ACCEPT_DATE	8	MIN(dispatch.when_happened)	EXTRACT_FIELD_10
ACCEPT_TIME	8	MIN(dispatch.when_happened)	EXTRACT_FIELD_10
SRC_ACCEPT_USER	16	MIN(dispatch.ces_user)	EXTRACT_FIELD_11
ARRIVE_DATE	8	MIN(arrive.when_happened)	EXTRACT_FIELD_12
ARRIVE_TIME	8	MIN(arrive.when_happened)	EXTRACT_FIELD_12
SRC_ARRIVE_USER	16	MIN(arrive.ces_user)	EXTRACT_FIELD_13
CMPL_DATE	8	MIN(complete.when_happened)	EXTRACT_FIELD_14

Extract Field	Length	Source	View Field
CMPL_TIME	8	MIN(complete.when_happened)	EXTRACT_FIELD_14
SRC_CMPL_USER	16	MIN(complete.ces_user)	EXTRACT_FIELD_15
SRC_STORM_NAME	32	fn_get_storm_name_and_date(MIN(j.event_idx)), 64)	EXTRACT_FIELD_16
SRC_STORM_NAME_SFX	32	fn_get_storm_name_and_date(MIN(j.event_idx)), 64)	EXTRACT_FIELD_16
SRC_OUTAGE_TYPE	5	MIN(j.stormman_type)	EXTRACT_FIELD_17
UDD1_CD	16		EXTRACT_FIELD_18
UDD2_CD	16		EXTRACT_FIELD_19
INROUTE_DURATION	20	1440 * NVL(MIN(arrive.when_happened) - MIN(dispatch.when_happened), 0)	EXTRACT_FIELD_20
WORK_DURATION	20	1440 * NVL(MIN(complete.when_happened) - MIN(arrive.when_happened), 0)	EXTRACT_FIELD_21
ASSIGN_DURATION	20	1440 * NVL(MIN(unassign.when_happened) - MIN(assign.when_happened), 0)	EXTRACT_FIELD_22
DISPATCH_DURATION	20	1440 * NVL(MIN(complete.when_happened) - MIN(assign.when_happened), 0)	EXTRACT_FIELD_23
UDM1	20		EXTRACT_FIELD_24
UDM2	20		EXTRACT_FIELD_25
UDM3	20		EXTRACT_FIELD_26
UDM4	20		EXTRACT_FIELD_27
UDM5	20		EXTRACT_FIELD_28
UDDGEN1	8		EXTRACT_FIELD_29
UDDGEN2	8		EXTRACT_FIELD_30
UDDGEN3	8		EXTRACT_FIELD_31
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_event _extractor

Extract Procedure: PR_BI_EXTINC

Modify View: EXTINC_MODIFY_V

Delete View: EXTINC_DELETE_V

This extracts call information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Restored Customer Outage Fact (NMS)

Properties

Property	Value
Load Table Name	CF_CUST_RST_OUTG
Table Type	Fact
Source System Driver Table	supply_node_log snl, jobs j, picklist_info_upd_tr p, supply_nodes sn, swman_sheets ss, incidents i
Source System Extract Program	event_extractor
Stage Table Name	STG_CUST_RST_OUTG_EXT
Stage File Name	F_CUST_RST_OUTG_EXT
Control Table Name	STG_CUST_RST_OUTG_CTL_EXT
Control File name	F_CUST_RST_OUTG_EXT
Update Procedure Name	SPL_CUST_RST_DEL_PRC
OWB Map Name	SPLMAP_F_CUST_RST_OUTG
OWB Work Flow Name	SPLWF_F_CUST_RST_OUTG
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_EXTCOF
Modify View Name	EXTSNL_MODIFY_V
Delete View Name	EXTSNL_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	greatest(snl.last_update_time, j.last_update_time, NVL(p.last_update_time, snl.last_update_time))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	

Extract Field	Length	Source	View Field
SRC_ID	10	snl.id	EXTRACT_FIELD_01
SRC_DEVICE_ID	30	sn.device_id	EXTRACT_FIELD_02
SRC_FEEDER_ID	30	sn.feeder	EXTRACT_FIELD_03
SRC_ACCT_ID	30	i.account_num (for service outages only)	EXTRACT_FIELD_04
SRC_NBR	60	j.numb	EXTRACT_FIELD_05
SRC_STATUS	10	j.status	EXTRACT_FIELD_06
BEGIN_DATE	8	snl.outage_time	EXTRACT_FIELD_07
BEGIN_TIME	8	snl.outage_time	EXTRACT_FIELD_07
BEGIN_DTTM	20	snl.outage_time	EXTRACT_FIELD_08
RST_DATE	8	snl.restore_time	EXTRACT_FIELD_09
RST_TIME	8	snl.restore_time	EXTRACT_FIELD_09
RST_DTTM	20	snl.restore_time	EXTRACT_FIELD_10
RST_IND	1	DECODE(snl.restore_time, NULL, 0, 1)	EXTRACT_FIELD_11
EST_RST_DATE	8	j.est_rest_time	EXTRACT_FIELD_12
EST_RST_TIME	8	j.est_rest_time	EXTRACT_FIELD_12
SRC_AFF_NCG_ID	10	snl.ncg	EXTRACT_FIELD_13
SRC_CAUSE_NCG_ID	10	j.ncg	EXTRACT_FIELD_14
SRC_AFF_DEVICE_IDX	10	sn.device_idx	EXTRACT_FIELD_15
SRC_AFF_DEVICE_CLS	10	sn.device_cls	EXTRACT_FIELD_16
SRC_CAUSE_DEVICE_IDX	10	j.h_idx	EXTRACT_FIELD_17
SRC_CAUSE_DEVICE_CLS	10	j.h_cls	EXTRACT_FIELD_18
SRC_FEEDER_CLS	6	j.feeder_cls	EXTRACT_FIELD_19
SRC_FEEDER_IDX	11	j.feeder_idx	EXTRACT_FIELD_20
SRC_SW_PLAN_CLS	6	j.swsheet_cls	EXTRACT_FIELD_21
SRC_SW_PLAN_IDX	11	j.swsheet_idx	EXTRACT_FIELD_22
SRC_STORM_NAME	32	fn_get_storm_name_and_date(j.event_idx)	EXTRACT_FIELD_23
SRC_STORM_NAME_SFX	32	fn_get_storm_name_and_date(j.event_idx)	EXTRACT_FIELD_23
SRC_OUTAGE_TYPE	5	j.stormman_type	EXTRACT_FIELD_24

Extract Field	Length	Source	View Field
SRC_PARENT_NBR	60	fn_get_parent_event(j.event_idx, j.numb)	EXTRACT_FIELD_25
PLANNED_IND	1	ss.emerg_tb	EXTRACT_FIELD_26
OMS_EXCLUDE_IND	1	p.no_dtr_flag	EXTRACT_FIELD_27
CANCELLED_IND	1	DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'),	EXTRACT_FIELD_28
EXCLUDE_IND	1	DECODE(BITAND(j.state_value, 1024), 1024, '1', /* Cancelled */ DECODE(UPPER(p.no_dtr_flag), 'Y', '1', /* No DTR Flag Set */ DECODE(UPPER(NVL(ss.emerg_tb, 'X')), 'N', 1, /* Planned */ 0)))	EXTRACT_FIELD_29
UDD1_CD	16		EXTRACT_FIELD_30
UDD2_CD	16		EXTRACT_FIELD_31
OUTG_DURATION	20	1440 * (snl.restore_time - snl.outage_time)	EXTRACT_FIELD_32
NUM_MOMENTARY	6	j.num_momentaries	EXTRACT_FIELD_33
CMI	20	1440 * (snl.restore_time - snl.outage_time)	EXTRACT_FIELD_34
UDM1	20		EXTRACT_FIELD_35
UDM2	20		EXTRACT_FIELD_36
UDM3	20		EXTRACT_FIELD_37
UDM4	20		EXTRACT_FIELD_38
UDM5	20		EXTRACT_FIELD_39
UDDGEN1	8		EXTRACT_FIELD_40
UDDGEN2	8		EXTRACT_FIELD_41
UDDGEN3	8		EXTRACT_FIELD_42
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_event _extractor

Extract Procedure: PR_BI_EXTCOF

Modify View: EXTSNL_MODIFY_V

Delete View: EXTSNL_DELETE_V

This extracts the customers experiencing service interruptions from the SUPPLY_NODE_LOG information. Since the SUPPLY_NODE_LOG does not contain customer specific data, the extract file will contain the list of supply nodes experience service interruptions, and the mapping procedure will join this to the CD_SNL records active at the time of the interruption to determine actual customers.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption. This is equal to the restore time – the start time.
- CMI. This is the outage duration in minutes multiplied by the FACT_CNT value.
- NUM_MOMENTARY. This is the number of momentary interruptions that preceded this service interruption.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

  Note: The load process of CF_CUST_RECENT_OUTG and CF_CUST_RST_OUTG tables is different from other fact load processes. The differences are driven by the functionality provided by the analytics using these two facts. Outages are reported by individual customers and the outage management system tries to identify the supply node (transformer/substation/feeder) that is possibly the cause of the outage. A supply node in the Oracle Utilities Network Management System system may be connected to more than one customer. Hence an outage associated with a single note may impact multiple customers. The source data only provides the node level information, however the fact processing logic derives the customers impacted by identifying the customers associated by the supply node.

  This implies that even if the data file that is received has 'N' records, the load process may end up loading more than 'N' (around 3 times N) records into the fact. The number of records loaded depends on how supply nodes are configured in the Oracle Utilities Network Management System system.

  As part of the error handling routines implemented in v2.4.0.3, the validations have been modified to handle this appropriately.

Restored Job Fact (NMS)

Properties

Property	Value
Load Table Name	CF_RST_JOB
Table Type	Fact
Source System Driver Table	Jobs j, picklist_info_upd_tr p, swman_sheets ss
Source System Extract Program	bi_event_extractor
Stage Table Name	STG_RST_JOB_EXT
Stage File Name	F_RST_JOB_EXT

Property	Value
Control Table Name	STG_RST_JOB_CTL_EXT
Control File name	F_RST_JOB_EXT
Update Procedure Name	SPL_RST_JOB_DEL_PRC
OWB Map Name	SPLMAP_F_RST_JOB
OWB Work Flow Name	SPLMAP_F_RST_JOB
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_EXTJOBT
Modify View Name	EXTJOBT_MODIFY_V
Delete View Name	EXTJOBT_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(j.last_update_time, NVL(p.last_update_time, j.last_update_time))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_NBR	60	j.numb	EXTRACT_FIELD_01
SRC_STATUS	10	j.status	EXTRACT_FIELD_02
SRC_NCG_ID	10	j.ncg	EXTRACT_FIELD_03
BEGIN_DATE	8	j.begin_time	EXTRACT_FIELD_04
BEGIN_TIME	8	j.begin_time	EXTRACT_FIELD_04
BEGIN_DTTM	20	j.begin_time	EXTRACT_FIELD_05
RST_DATE	8	j.restore_time	EXTRACT_FIELD_06
RST_TIME	8	j.restore_time	EXTRACT_FIELD_06
RST_DTTM	20	j.restore_time	EXTRACT_FIELD_07
RST_IND	1	j.restore_time	EXTRACT_FIELD_08
EST_RST_DATE	8	j.est_rest_time	EXTRACT_FIELD_09
EST_RST_TIME	8	j.est_rest_time	EXTRACT_FIELD_09
SRC_DEVICE_IDX	10	j.h_idx	EXTRACT_FIELD_10
SRC_DEVICE_CLS	10	j.h_cls	EXTRACT_FIELD_11
SRC_CMPL_USER	16	j.who_completed	EXTRACT_FIELD_12
SRC_RESP_USER	16	j.who_responsible	EXTRACT_FIELD_13

Extract Field	Length	Source	View Field
SRC_CREW_ID	16	fn_get_crew_id(j.event_idx, j.event_cls)	EXTRACT_FIELD_14
SRC_FEEDER_CLS	6	j.feeder_cls	EXTRACT_FIELD_15
SRC_FEEDER_IDX	11	j.feeder_idx	EXTRACT_FIELD_16
SRC_SW_PLAN_CLS	6	j.swsheet_cls	EXTRACT_FIELD_17
SRC_SW_PLAN_IDX	11	j.swsheet_idx	EXTRACT_FIELD_18
SRC_STORM_NAME	32	fn_get_storm_name_and_date(j.event_idx), 64)	EXTRACT_FIELD_19
SRC_STORM_NAME_SFX	32	fn_get_storm_name_and_date(j.event_idx), 64)	EXTRACT_FIELD_19
SRC_OUTAGE_TYPE	5	j.stormman_type	EXTRACT_FIELD_20
PARENT_SRC_NBR	60	fn_get_parent_event(j.event_idx, j.numb)	EXTRACT_FIELD_21
UDD1_CD	16		EXTRACT_FIELD_22
UDD2_CD	16		EXTRACT_FIELD_23
OUTG_DURATION	20	1440 * (j.restore_time - j.begin_time)	EXTRACT_FIELD_24
PLANNED_IND	1	DECODE(UPPER(NVL(ss.emerg_tb, 'X')), 'N', 1, 0)	EXTRACT_FIELD_25
OMS_EXCLUDE_IND	1	DECODE(UPPER(p.no_dtr_flag), 'Y', '1', '0')	EXTRACT_FIELD_26
CANCELLED_IND	1	DECODE(BITAND(j.state_value, 1024), 1024, '1', '0'),	EXTRACT_FIELD_27
EXCLUDE_IND	1	PLANNED_IND or OMS_EXCLUDE_IND or CANCELLED_IND	EXTRACT_FIELD_28
UDM1	20	j.num_cust_out	EXTRACT_FIELD_29
UDM2	20	fn_get_num_calls(j.event_idx)	EXTRACT_FIELD_30
UDM3	20	1440 * (j.restore_time - j.est_rest_time)	EXTRACT_FIELD_31
UDM4	20		EXTRACT_FIELD_32
UDM5	20		EXTRACT_FIELD_33
UDDGEN1	8		EXTRACT_FIELD_34
UDDGEN2	8		EXTRACT_FIELD_35
UDDGEN3	8		EXTRACT_FIELD_36

Extract Field	Length	Source	View Field
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_event _extractor

Extract Procedure: PR_BI_EXTJOBT

Modify View: EXTJOBT_MODIFY_V

Delete View: EXTJOBT_DELETE_V

This extracts job information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- OUTG_DURATION. This contains the length in time of the service interruption.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

This is only computed when service has been restored, and is equal to the restore time – the start time.

Switch Plan Fact (NMS)

Properties

Property	Value
Load Table Name	CF_SW_PLAN
Table Type	Fact
Source System Driver Table	swman_sheet s, swman_step ss,
Source System Extract Program	bi_switch_extractor
Stage Table Name	STG_SW_PLAN_TR_EXT
Stage File Name	F_SW_PLAN_TR_EXT
Control Table Name	STG_SW_PLAN_TR_CTL_EXT
Control File name	F_SW_PLAN_TR_EXT
Update Procedure Name	SPL_SW_PLAN_TR_UPD_PRC
OWB Map Name	SPLMAP_F_SW_PLAN
OWB Work Flow Name	SPLWF_F_SW_PLAN
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_EXTSWS
Modify View Name	EXTSWS_MODIFY_V

Property	Value
Delete View Name	EXTSWS_DELETE_V

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	s.update_time	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_SW_PLAN_CLS	6	s.swman_sheet_cls	EXTRACT_FIELD_01
SRC_SW_PLAN_IDX	11	s.seq_sheet_id	EXTRACT_FIELD_02
SRC_NCG_ID	10	s.ncg	EXTRACT_FIELD_03
SRC_STATE_KEY	5	s.state_key	EXTRACT_FIELD_04
BEGIN_DATE	8	when_issued	EXTRACT_FIELD_05
BEGIN_TIME	8	when_issued	EXTRACT_FIELD_05
BEGIN_DTTM	20	when_issued	EXTRACT_FIELD_06
END_DATE	8	NVL(when_executed, when_canceled)	EXTRACT_FIELD_07
END_TIME	8	NVL(when_executed, when_canceled)	EXTRACT_FIELD_07
END_DTTM	20	when_executed	EXTRACT_FIELD_08
USER_CD1	16	who_requested	EXTRACT_FIELD_09
USER_CD2	16	who_prepared	EXTRACT_FIELD_10
USER_CD3	16	who_checked	EXTRACT_FIELD_11
USER_CD4	16	who_issued	EXTRACT_FIELD_12
USER_CD5	16	who_scheduled	EXTRACT_FIELD_13
USER_CD6	16	who_approved	EXTRACT_FIELD_14
USER_CD7	16	who_hold	EXTRACT_FIELD_15
USER_CD8	16	NVL(who_executed, who_canceled)	EXTRACT_FIELD_16
DURATION	20	1440 * (when_executed - when_issued)	EXTRACT_FIELD_17
NBR_OF_STEPS	12	Count(SS.*)	EXTRACT_FIELD_18
NBR_OF_FAILED_STEPS	12	Count(SS.* where status = 'Failed')	EXTRACT_FIELD_19
NBR_OF_ABORTED_STEPS	12	Count(SS.* where status = 'Aborted')	EXTRACT_FIELD_20

Extract Field	Length	Source	View Field
NBR_OF_SAFETY_DOCS	12	fn_get_num_safety(s.swman_sheet_cls, s.seq_sheet_id)	EXTRACT_FIELD_21
UDD1_CD	16		EXTRACT_FIELD_22
UDD2_CD	16		EXTRACT_FIELD_23
UDM1	20		EXTRACT_FIELD_24
UDM2	20		EXTRACT_FIELD_25
UDM3	20		EXTRACT_FIELD_26
UDM4	20		EXTRACT_FIELD_27
UDM5	20		EXTRACT_FIELD_28
UDDGEN1	8		EXTRACT_FIELD_29
UDDGEN2	8		EXTRACT_FIELD_30
UDDGEN3	8		EXTRACT_FIELD_31
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_ EXTSWS

Modify View: EXTSWS_MODIFY_V

Delete View: EXTSWS_DELETE_V

This extracts switch plan information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- DURATION. Duration of the switch plan.
- NBR_OF_STEPS. Number of steps.
- NBR_OF_FAILED_STEPS. Number of failed steps.
- NBR_OF_ABORTED_STEPS. Number of aborted steps.
- NBR_OF_SAFETY_DOCS. Number of safety documents.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Switch Plan State Fact (NMS)

Properties

Property	Value
Load Table Name	CF_SW_PLAN_state
Table Type	Fact
Source System Driver Table	swman_audit_log sal, swman_sheet ss, extvalid_states_modify_v st, swman_audit_log sal2
Source System Extract Program	bi_switch_extractor
Stage Table Name	STG_SW_PLAN_STATE_TR_EXT
Stage File Name	F_SW_PLAN_STATE_TR_EXT
Control Table Name	STG_SW_PLAN_STATE_TR_CTL_EXT
Control File name	F_SW_PLAN_STATE_TR_EXT
Update Procedure Name	F_SW_PLAN_STATE_TR_EXT
OWB Map Name	SPLMAP_F_SW_PLAN_STATE
OWB Work Flow Name	SPLWF_F_SW_PLAN_STATE
OWB Work Flow Package Name	FACT
Extract Procedure	PR_BI_EXTSWSLOG
Modify View Name	EXTSWSLOG_MODIFY_V
Delete View Name	

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

Extract Field	Length	Source	View Field
UPDATE_DTTM	20	GREATEST(sal.insert_time, NVL(MIN(sal2.insert_time), sal.insert_time))	LAST_UPDATE_TIME
CHANGE_TYPE_CD	1	Values: I – Insert/Update, D – Deleted	
SRC_LOG_ENTRY	12	sal.seq_log_id	EXTRACT_FIELD_01
SRC_SW_PLAN_CLS	6	ss.swman_sheet_cls	EXTRACT_FIELD_02
SRC_SW_PLAN_IDX	11	ss.seq_sheet_id	EXTRACT_FIELD_03
SRC_NCG_ID	10	ss.ncg	EXTRACT_FIELD_04
SRC_STATE_KEY	5	st.extract_field_01	EXTRACT_FIELD_05
BEGIN_DATE	8	sal.insert_time	EXTRACT_FIELD_06
BEGIN_TIME	8	sal.insert_time	EXTRACT_FIELD_06

Extract Field	Length	Source	View Field
BEGIN_DTTM	20	sal.insert_time	EXTRACT_FIELD_07
END_DATE	8	MIN(sal2.insert_time) where sal2.insert_time > sal.insert_time	EXTRACT_FIELD_08
END_TIME	8	MIN(sal2.insert_time) where sal2.insert_time > sal.insert_time	EXTRACT_FIELD_08
END_DTTM	20	MIN*sal2.insert_time) where sal2.insert_time > sal.insert_time	EXTRACT_FIELD_09
STATE_DURATION	20	1440 * (MIN(sal2.insert_time) - sal.insert_time) where sal2.insert_time > sal.insert_time	EXTRACT_FIELD_10
UDD1_CD	16		EXTRACT_FIELD_11
UDD2_CD	16		EXTRACT_FIELD_12
UDM1	20		EXTRACT_FIELD_13
UDM2	20		EXTRACT_FIELD_14
UDM3	20		EXTRACT_FIELD_15
UDM4	20		EXTRACT_FIELD_16
UDM5	20		EXTRACT_FIELD_17
UDDGEN1	8		EXTRACT_FIELD_18
UDDGEN2	8		EXTRACT_FIELD_19
UDDGEN3	8		EXTRACT_FIELD_20
DATA_SOURCE_IND	6	Source: BI_APPLICATION_PARAMS where AP_NAME = 'DATA_SOURCE_INDICATOR'	

NMS Extract Program: bi_switch_extractor

Extract Procedure: PR_BI_ EXTSWSLOG

Modify View: EXTSWSLOG_MODIFY_V

Delete View: none

This extracts switch plan activity information from Oracle Utilities Network Management System.

The following "hard" measures are populated by the extract:

- STATE_DURATION. Duration that the swtich plan spent in the state.
- FACT_CNT. This always contains the value of 1 (use this measure when you need to count the number of facts). It is populated by the load process and is not part of the extract file.

Dimension Table Schema

Account Dimension <CD_ACCT>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
ACCT_KEY		SPL_ACCT_SEQ.NEXTVAL
SRC_ACCT_ID	Account ID	Stage: ACCOUNT_ID
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
ACCT_INFO	Account Information	Stage: ACCT_INFO
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	Account Char. 10	Stage: UDF10_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	Customer Class	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	Account Manage. Group	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	Division	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	Bill Cycle	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	Collection Class	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	Account Char. 1	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	Account Char. 2	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	Account Char. 3	Stage: UDF8_DESCR

Column	OBIEE Field	Load
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	Account Char. 4	Stage: UDF9_DESCR
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
EFF_START_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR

Address Dimension <CD_ADDR>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
ADDR_KEY		SPL_ADDR_SEQ.NEXTVAL
ADDR_LINE1	CC&B Address Line 1	Stage: ADDR_LINE1
ADDR_LINE2	CC&B Address Line 2	Stage: ADDR_LINE2
ADDR_LINE3	CC&B Address Line 3	Stage: ADDR_LINE3
ADDR_LINE4	CC&B Address Line 4	Stage: ADDR_LINE4
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
SRC_ADDR_ID	CC&B Premise Id	Stage: SRC_PREM_ID
CROSS_STREET	Cross Street	Stage: CROSS_STREET
SUBURB	Suburb	Stage: SUBURB
CITY	City	Stage: CITY
COUNTY	County	Stage: COUNTY

Column	OBIEE Field	Load
POSTAL	Postal	Stage: POSTAL
STATE_CD	State Code	Stage: STATE_CD
STATE_DESCR	State Description	Stage: STATE_DESC
COUNTRY_CD	Country Code	Stage: COUNTRY_CD
COUNTRY_DESCR	Country Description	Stage: COUNTRY_DESC
GEO_CODE	Geo Code	Stage: GEO_CD
ADDR_INFO	Address Information	Stage: ADDR_INFO
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	Premise Char 4	Stage: UDF10_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	City	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	County	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	Postal	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	State	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	Country	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	Geo Code	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	Premise Char1	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	Premise Char 2	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	Premise Char 3	Stage: UDF9_DESCR
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS

Column	OBIEE Field	Load
EFF_START_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
	Upper Case of City	UPPER(UDF1_DESCR)
	Upper Case of State	UPPER(CD_ADDR.UDF4_DESCR)

Call Info Dimension <CD_CALL_INFO>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
CALL_INFO_KEY		SPL_CALL_INFO_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD

Column	OBIEE Field	Load
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR
UPDATE_DTTM		Stage: UPDATE_DTTM
DELETE_IND		1 for deleted records, 0 for new/ modified
CALLER_NAME	Caller Name	Stage: CALLER_NAME
PHONE_NBR	Phone Number	Stage: PHONE_NBR
COMPLAINT	Call Clues	Stage: COMPLAINT
COMMENTS	Call Comments	Stage: COMMENTS
SRC_INCIDENT_ID	Call Number	Stage: SRC_INCIDENT_ID

Crew Dimension <CD_CREW>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
CREW_KEY	Crew Key	Stage: CREW_CD
CREW_CD	Crew Code	Stage: CREW_CD
CREW_DESCR	Crew Description	Stage: CREW_DESCR
CREW_TYPE_CD	Crew Type Code	Stage: CREW_TYPE_CD
CREW_TYPE_DESCR	Crew Type Description	Stage: CREW_TYPE_DESCR
ORG_UNIT1_CD	Organization Unit 1 Code	Stage: ORG_UNIT1_CD
ORG_UNIT1_DESCR	Organization Unit 1 Description	Stage: ORG_UNIT1_DESCR
ORG_UNIT2_CD	Organization Unit 2 Code	Stage: ORG_UNIT2_CD
ORG_UNIT2_DESCR	Organization Unit 2 Description	Stage: ORG_UNIT2_DESCR
ORG_UNIT3_CD	Organization Unit 3 Code	Stage: ORG_UNIT3_CD
ORG_UNIT3_DESCR	Organization Unit 3 Description	Stage: ORG_UNIT3_DESCR

Column	OBIEE Field	Load
SRC_CREW_ID	Crew Id	Stage: CREW_ID
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field Description	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field Description	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field Description	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field Description	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field Description	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field Description	Stage: UDF9_DESCR
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field Description	Stage: UDF10_DESCR
DATA_LOAD_DTTM	Data Load Date/Time	System Variable: CURRENT_DATE
DATA_SOURCE_IND	Data Source Indicator	Stage: DATA_SOURCE_IND
EFF_END_DTTM	Effective End Date/Time	System Variable: HIGH_DATE
EFF_START_DTTM	Effective Start Date/Time	UPDATE_DTTM
JOB_NBR	Job Number	Job Control: JOB_NBR

Control Zone Dimension <CD_CTRL_ZONE>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
CTRL_ZONE_KEY		SPL_CTRL_ZONE_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
EFF_START_DTTM		Stage: UPDATE_DTTM
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
SRC_NCG_ID	NCG	Stage: SRC_NCG_ID
HIERARCHY_TYPE	Hierarchy Type	Stage: HIERARCHY_TYPE
CTRL_ZONE_NAME	Control Zone	Stage: CTRL_ZONE_NAME
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	Company	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	Region	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	Branch	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	Substation	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	Feeder	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD

Column	OBIEE Field	Load
UDF6_DESCR	User Defined Field 6 Description	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field 7 Description	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field 8 Description	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field 9 Description	Stage: UDF9_DESCR
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field 10 Description	Stage: UDF10_DESCR

Date Dimension <CD_DATE>

Properties

Property	Value
Table Type	Dimension
SCD Type	1
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'))
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))

Column	OBIEE Field	Load
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	
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)))

Column	OBIEE Field	Load
	Calendar Day (Only Date)	cast(CAL_DT as DATE)

Device Dimension <CD_DEVICE>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
DEVICE_KEY		SPL_DEVICE_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
EFF_START_DTTM		Stage: UPDATE_DTTM
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
SRC_DEVICE_CLS	Device Class	Stage: SRC_DEVICE_CLS
SRC_DEVICE_IDX	Device Index	Stage: SRC_DEVICE_IDX
DEVICE_NAME	Device name	Stage: DEVICE_NAME
DEVICE_TYPE_CD		Stage: DEVICE_TYPE_CD
DEVICE_TYPE_DESCR	Device Type	Stage: DEVICE_TYPE_DESCR
DEVICE_CLASS_CD		Stage: DEVICE_CLASS_CD
DEVICE_CLASS_DESCR	Device Class	Stage: DEVICE_CLASS_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR

Column	OBIEE Field	Load
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field 6 Description	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field 7 Description	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field 8 Description	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field 9 Description	Stage: UDF9_DESCR
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field 10 Description	Stage: UDF10_DESCR

Event Dimension <CD_EVENT>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
EVENT_KEY		SPL_EVENT_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
SRC_NBR	Number (Natural Key)	Stage: SRC_NBR
EVENT_NBR	Event Number	Stage: EVENT_NBR
DELETE_IND		1 for deleted records, 0 for new/ modified
EXCLUDE_REASON	Exclude Reason	Stage: EXCLUDE_REASON
OPERATOR_COMMENT	Operator Comment	Stage: OPERATOR_COMMENT
EVENT_STATE_DESCR	Event Status	Stage: EVENT_STATE_DESCR
EVENT_STATE_CD		Stage: EVENT_STATE_CD
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	Scheduled	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	Utility Error	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	Other	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	Foreign Interference	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	Vegetation	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	Defective Equipment	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	Environment	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	Weather	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	Outage Cause	Stage: UDF9_DESCR
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	Detailed Cause	Stage: UDF10_DESCR
UDF11_CD	User Defined Field Code	Stage: UDF11_CD

Column	OBIEE Field	Load
UDF11_DESCR	Priority	Stage: UDF11_DESCR
UDF12_CD	User Defined Field Code	Stage: UDF12_CD
UDF12_DESCR	Standard Remarks	Stage: UDF12_DESCR
UDF13_CD	User Defined Field Code	Stage: UDF13_CD
UDF13_DESCR	User Defined Field 13 Description	Stage: UDF13_DESCR
UDF14_CD	User Defined Field Code	Stage: UDF14_CD
UDF14_DESCR	User Defined Field 14 Description	Stage: UDF14_DESCR
UDF15_CD	User Defined Field Code	Stage: UDF15_CD
UDF15_DESCR	User Defined Field 15 Description	Stage: UDF15_DESCR
UPDATE_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
X_COORDINATE	X Coordinate	Stage: X_COORDINATE
Y_COORDINATE	Y Coordinate	Stage: Y_COORDINATE
FIRST_CALL_ADDR	First Call Address	Stage: FIRST_CALL_ADDR
REMEDY_CD	Remedy	Stage: REMEDY_CD
TROUBLE_CD_LIST	Trouble Code	Stage: TROUBLE_CD_LIST
UDF16_CD	User Defined Field Code	Stage: UDF16_CD
UDF16_DESCR	User Defined Field 16 Description	Stage: UDF16_DESCR
UDF17_CD	User Defined Field Code	Stage: UDF17_CD
UDF17_DESCR	User Defined Field 17 Description	Stage: UDF17_DESCR
UDF18_CD	User Defined Field Code	Stage: UDF18_CD
UDF18_DESCR	User Defined Field 18 Description	Stage: UDF18_DESCR
UDF19_CD	User Defined Field Code	Stage: UDF19_CD
UDF19_DESCR	User Defined Field 19 Description	Stage: UDF19_DESCR
UDF20_CD	User Defined Field Code	Stage: UDF20_CD
UDF20_DESCR	User Defined Field 20 Description	Stage: UDF20_DESCR
UDF21_CD	User Defined Field Code	Stage: UDF21_CD
UDF21_DESCR	User Defined Field 21 Description	Stage: UDF21_DESCR
UDF22_CD	User Defined Field Code	Stage: UDF22_CD
UDF22_DESCR	User Defined Field 22 Description	Stage: UDF22_DESCR
UDF23_CD	User Defined Field Code	Stage: UDF23_CD
UDF23_DESCR	User Defined Field 23 Description	Stage: UDF23_DESCR
UDF24_CD	User Defined Field Code	Stage: UDF24_CD

Column	OBIEE Field	Load
UDF24_DESCR	User Defined Field 24 Description	Stage: UDF24_DESCR
UDF25_CD	User Defined Field Code	Stage: UDF25_CD
UDF25_DESCR	User Defined Field 25 Description	Stage: UDF25_DESCR
UDF26_CD	v	Stage: UDF26_CD
UDF26_DESCR	User Defined Field 26 Description	Stage: UDF26_DESCR
UDF27_CD	User Defined Field Code	Stage: UDF27_CD
UDF27_DESCR	User Defined Field 27 Description	Stage: UDF27_DESCR
UDF28_CD	User Defined Field Code	Stage: UDF28_CD
UDF28_DESCR	User Defined Field 28 Description	Stage: UDF28_DESCR
UDF29_CD	User Defined Field Code	Stage: UDF29_CD
UDF29_DESCR	User Defined Field 29 Description	Stage: UDF29_DESCR
UDF30_CD	User Defined Field Code	Stage: UDF30_CD
UDF30_DESCR	User Defined Field 30 Description	Stage: UDF30_DESCR
UDF31_CD	User Defined Field Code	Stage: UDF31_CD
UDF31_DESCR	User Defined Field 31 Description	Stage: UDF31_DESCR
UDF32_CD	User Defined Field Code	Stage: UDF32_CD
UDF32_DESCR	User Defined Field 32 Description	Stage: UDF32_DESCR
UDF33_CD	User Defined Field Code	Stage: UDF33_CD
UDF33_DESCR	User Defined Field 33 Description	Stage: UDF33_DESCR
UDF34_CD	User Defined Field Code	Stage: UDF34_CD
UDF34_DESCR	User Defined Field 34 Description	Stage: UDF34_DESCR
UDF35_CD	User Defined Field Code	Stage: UDF35_CD
UDF35_DESCR	User Defined Field 35 Description	Stage: UDF35_DESCR
UDF36_CD	User Defined Field Code	Stage: UDF36_CD
UDF36_DESCR	User Defined Field 36 Description	Stage: UDF36_DESCR
UDF37_CD	User Defined Field Code	Stage: UDF37_CD
UDF37_DESCR	User Defined Field 37 Description	Stage: UDF37_DESCR
UDF38_CD	User Defined Field Code	Stage: UDF38_CD
UDF38_DESCR	Device Class	Stage: UDF38_DESCR
UDF39_CD	User Defined Field Code	Stage: UDF39_CD
UDF39_DESCR	Device Index	Stage: UDF39_DESCR
UDF40_CD	User Defined Field Code	Stage: UDF40_CD
UDF40_DESCR	Customer Message	Stage: UDF40_DESCR

Event Status Dimension < CD_EVENT_STATUS>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
EVENT_STATUS_KEY		SPL_EVENT_STATUS_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
SRC_STATUS	Status (Natural Key)	Stage: SRC_STATUS
EVENT_STATUS_CD		Stage: EVENT_STATUS_CD
EVENT_STATUS_DESCR	Event Type	Stage: EVENT_STATUS_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
UPDATE_DTTM		Stage: UPDATE_DTTM
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR

Feeder Dimension <CD_FEEDER>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
FEEDER_KEY		SPL_FEEDER_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
EFF_START_DTTM		Stage: UPDATE_DTTM
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
SRC_FEEDER_CLS	Feeder Class	Stage: SRC_FEEDER_CLS
SRC_FEEDER_IDX	Feeder Index	Stage: SRC_FEEDER_IDX
FEEDER_NAME	Feeder Name	Stage: FEEDER_NAME
SUBSTN_CD		Stage: SUBSTN_CD
SUBSTN_DESCR	Substation	Stage: SUBSTN_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD

Column	OBIEE Field	Load
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field 6 Description	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field 7 Description	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field 8 Description	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field 9 Description	Stage: UDF9_DESCR
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field 10 Description	Stage: UDF10_DESCR

Meter Dimension <CD_METER>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
METER_KEY		SPL_METER_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR

Column	OBIEE Field	Load
EFF_START_DTTM		Stage: UPDATE_DTTM
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
SRC_METER_ID	Meter ID	Stage: SRC_METER_ID
METER_INFO	Meter Number	Stage: METER_INFO
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	Meter Type	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR

Person Dimension <CD_PER>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
PER_KEY		SPL_PER_SEQ.NEXTVAL

Column	OBIEE Field	Load
BUSINESS_IND	Person/Business Indictaor	Stage: BUSINESS_IND
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
PER_NAME	Customer Name	Stage: NAME
PER_PHONE_NBR	Customer Phone	Stage: PHONE
SRC_PER_ID	Person Id	Stage: PERSON_ID
PER_INFO	Customer Information	Stage: PER_INFO
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	Life Support Flag	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	Person 1 Char	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	Person 2 Char	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	Person 3 Char	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	Person 4 Char	Stage: UDF5_DESCR
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
EFF_START_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR

Phase Dimension <CD_PHASE>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
PHASE_KEY		SPL_PHASE_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
EFF_START_DTTM		Stage: UPDATE_DTTM
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
SRC_PHASE_ID	Phase ID	Stage: SRC_PHASE_ID
PHASE_CD		Stage: PHASE_CD
PHASE_DESCR	Phase	Stage: PHASE_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR

Premise Dimension <CD_PREM>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

Column	OBIEE Field	Load
PREM_KEY		SPL_PREM_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND

Column	OBIEE Field	Load
SRC_PREM_ID	CC&B Premise ID	Stage: SRC_PREM_ID
PREM_INFO	Premise Information	Stage: PREM_INFO
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	Premise Char 5	Stage: UDF10_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	Jurisdiction	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	Premise Type	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	Life Support Flag	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	Trend Area	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	In City Limit	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	Critical Customer	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	Medical Customer	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	Key Customer	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	Premise Char 4	Stage: UDF9_DESCR
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
EFF_START_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
	Critical Customer Type	Null, Critical, Medical or Key based on values in UDF6_CD, UDF7_CD and UDF8_CD

Snapshot Type Dimension <CD_SNAP_TYPE>

Properties

Property	Value
Table Type	Dimension
SCD Type	1
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_LOADSNAPTYPE. This stored procedure is delivered with the Oracle Warehouse Builder package. Note, the same procedure is also included in the initial data warehouse setup workflow package called INIT_PKG for the execution. This stored procedure stores the following values: Y: yearly Q: quarterly M: monthly W: weekly D: daily H: hourly A: adhoc

Fields

Column	OBIEE Field	Load
SNAP_TYPE_CD	Snapshot Type	Y, Q, M, W, D, H, A
SNAP_TYPE_DESCR	Snapshot Type Description	Yearly Quarterly Monthly Weekly Daily Hourly Adhoc

Supply Node Lookup Dimension <CD_SNL>

Properties

Property	Value
Table Type	Dimension
SCD Type	2
Comment	This table is not available in OBIEE

Fields

Column	OBIEE Field	Load
SNL_KEY		SPL_SNL_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
EFF_START_DTTM		Stage: UPDATE_DTTM
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
SRC_METER_ID		Stage: SRC_METER_ID
SRC_PERSON_ID		Stage: SRC_PERSON_ID
SRC_PREMISE_ID		Stage: SRC_PREMISE_ID
SRC_ACCOUNT_ID		Stage: SRC_ACCOUNT_ID
SRC_ADDR_ID		Stage: SRC_ADDR_ID
DEVICE_ID		Stage: DEVICE_ID
FEEDER_ID		Stage: FEEDER_ID
NCG_ID		Stage: NCG_ID

Storm Dimension <CD_STORM>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
STORM_KEY		SPL_STORM_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
UPDATE_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
SRC_STORM_NAME	Storm Name	Stage: SRC_STORM_NAME
SRC_STORM_NAME_SFX	Storm Name Suffix	Stage: SRC_STORM_NAME_SFX
STORM_TYPE_CD		Stage: STORM_TYPE_CD
STORM_TYPE_DESCR	Storm Type	Stage: STORM_TYPE_DESCR
STORM_LEVEL_CD		Stage: STORM_LEVEL_CD
STORM_LEVEL_DESCR	Storm Level	Stage: STORM_LEVEL_DESCR
STORM_START_DTTM	Date/Time the Storm Started	Stage: STORM_START_DTTM
STORM_END_DTTM	Date/Time the Storm Ended	Stage: STORM_END_DTTM
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD

Column	OBIEE Field	Load
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field 6 Description	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field 7 Description	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field 8 Description	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field 9 Description	Stage: UDF9_DESCR
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field 10 Description	Stage: UDF10_DESCR

Storm Outage Type Dimension <CD_STORM_OUTAGE_TYPE>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
STORM_OUTAGE_TYPE_KEY		SPL_STORM_OUTAGE_TYPE_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
UPDATE_DTTM		Stage: UPDATE_DTTM

Column	OBIEE Field	Load
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
SRC_OUTAGE_TYPE	Outage Type Code	Stage: SRC_OUTAGE_TYPE
OUTAGE_TYPE_CD		Stage: OUTAGE_TYPE_CD
OUTAGE_TYPE_DESCR	Outage Type	Stage: OUTAGE_TYPE_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR

Switch Plan Dimension <CD_SW_PLAN>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
SW_PLAN_KEY		SPL_SW_PLAN_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
UPDATE_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
SRC_SW_PLAN_CLS	Switch Plan Class	Stage: SRC_SW_PLAN_CLS
SRC_SW_PLAN_IDX	Switch Plan Index	Stage: SRC_SW_PLAN_IDX
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD

Column	OBIEE Field	Load
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR
UDF6_CD	User Defined Field Code	Stage: UDF6_CD
UDF6_DESCR	User Defined Field 6 Description	Stage: UDF6_DESCR
UDF7_CD	User Defined Field Code	Stage: UDF7_CD
UDF7_DESCR	User Defined Field 7 Description	Stage: UDF7_DESCR
UDF8_CD	User Defined Field Code	Stage: UDF8_CD
UDF8_DESCR	User Defined Field 8 Description	Stage: UDF8_DESCR
UDF9_CD	User Defined Field Code	Stage: UDF9_CD
UDF9_DESCR	User Defined Field 9 Description	Stage: UDF9_DESCR
UDF10_CD	User Defined Field Code	Stage: UDF10_CD
UDF10_DESCR	User Defined Field 10 Description	Stage: UDF10_DESCR
SW_PLAN_KEY		SPL_SW_PLAN_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND

Switch Plan State Dimension <CD_SW_PLAN_STATE>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

Fields

Column	OBIEE Field	Load
SW_PLAN_STATE_KEY		SPL_SW_PLAN_STATE_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
UPDATE_DTTM		Stage: UPDATE_DTTM
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
SRC_STATE_KEY		Stage: SRC_STATE_KEY
STATE_CD		Stage: STATE_CD
STATE_DESCR	Switch Plan State	Stage: STATE_DESCR
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR

Time Dimension <CD_TIME>

Properties

Property	Value
Table Type	Dimension
SCD Type	1

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_LOADTIME. 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 no input parameters.

Fields

Column	OBIEE Field	Load
TIME_KEY		0 - 81660
DATA_LOAD_DTTM		SYSDATE
SRC_TIME	Time (Natural Key)	'HH:MI:SS'
AM_IND	AM Indicator	If Time < Noon, '1', else '0'
HOUR	Hour	0 – 24
MINUTE	Minute	0 – 60
SECOND	Second	0 – 60
UDF1_CD	User Defined Field Code	HOUR
UDF1_DESCR	Hour	HOUR
UDF2_CD	User Defined Field Code	1 – 4
UDF2_DESCR	15 Minute Interval	1 – 4
UDF3_CD	User Defined Field Code	1 – 12
UDF3_DESCR	5 Minute Interval	1 – 12
UDF4_CD	User Defined Field Code	1 – 5
UDF4_DESCR	Time of Day	5AM to 9AM 9AM to 5PM 5PM TO 10PM 10PM TO 5AM Other
UDF5_CD	User Defined Field Code	
UDF5_DESCR	User Defined Field 5 Description	

User Dimension <CD_USER>

Properties

Property	Value
Table Type	Dimension
SCD Type	2

Fields

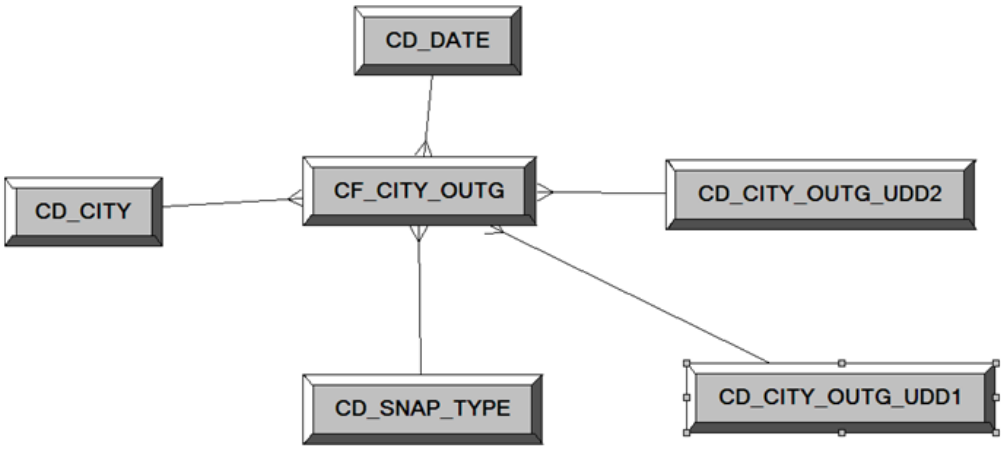
Column	OBIEE Field	Load
USER_KEY		SPL_USER_SEQ.NEXTVAL
DATA_LOAD_DTTM		SYSDATE
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
USER_DESCR	User	Stage: USER_NAME
USER_CD		Stage: SOURCE_USER_ID
UDF1_CD	User Defined Field Code	Stage: UDF1_CD
UDF1_DESCR	User Defined Field 1 Description	Stage: UDF1_DESCR
UDF2_CD	User Defined Field Code	Stage: UDF2_CD
UDF2_DESCR	User Defined Field 2 Description	Stage: UDF2_DESCR
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
EFF_START_DTTM		Stage: UPDATE_DTTM
EFF_END_DTTM		For Inserts 31-DEC-2999 23:59:59 For Updates, new record gets 31-dec-2999 23:59:59, and old record gets EFF_START_DTTM – 1 second For Deletes, date that records was deleted from NMS
UDF3_CD	User Defined Field Code	Stage: UDF3_CD
UDF3_DESCR	User Defined Field 3 Description	Stage: UDF3_DESCR
UDF4_CD	User Defined Field Code	Stage: UDF4_CD
UDF4_DESCR	User Defined Field 4 Description	Stage: UDF4_DESCR
UDF5_CD	User Defined Field Code	Stage: UDF5_CD

Column	OBIEE Field	Load
UDF5_DESCR	User Defined Field 5 Description	Stage: UDF5_DESCR

Fact Table Schema

City Outage Fact <CF_CITY_OUTG>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Default Analytic	Outage Analytics

Property	Value
Comment	This fact is unusual in that it does NOT have an extract program. Rather, a snapshot procedure generates the rows in this fact. This fact is populated by calling the database stored procedure called SPL_OMS_SNAPSHOT_PKG.SPL_CITY_OUTG_SNAP_FNC. This stored procedure is delivered with the Oracle Warehouse Builder package, and contains the following parameters: • P_INITIAL_LOAD. This is an initial load. • P_SNAP_TYPE_CD. Valid Snapshot type code from the CD_SNAP_TYPE dimension. • P_END_DATE. Date to use as an end date to the load. • P_DATA_SOURCE_IND. Data source indicator to be mark records. Default value is 4. • P_NUMBER_OF_PERIODS. Number of periods to load, counting back from the Begin Date. Default value is 1. • P_BEGIN_DATE. Begin date to use. The default value is calculated based on the End Date entered and the Snapshot type being loaded. • P_CEMI_COUNT. Value to use to determine if a customer experienced more than N interruptions during the period being calculated. Default value is 3. • P_MOM_DURATION. Momentary Duration in minutes to use for determining if an outage is a Momentary outage or a sustained outage. • P_DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.
Driver Table	CF_CUST_RECENT_OUTG

Fields

Column	OBIEE Field	Load
CITY_OUTG_KEY		SPL_CTRL_ZONE_OUTG_SEQ.NEXTVAL
TMED_IND	Timed Indicator	'0'

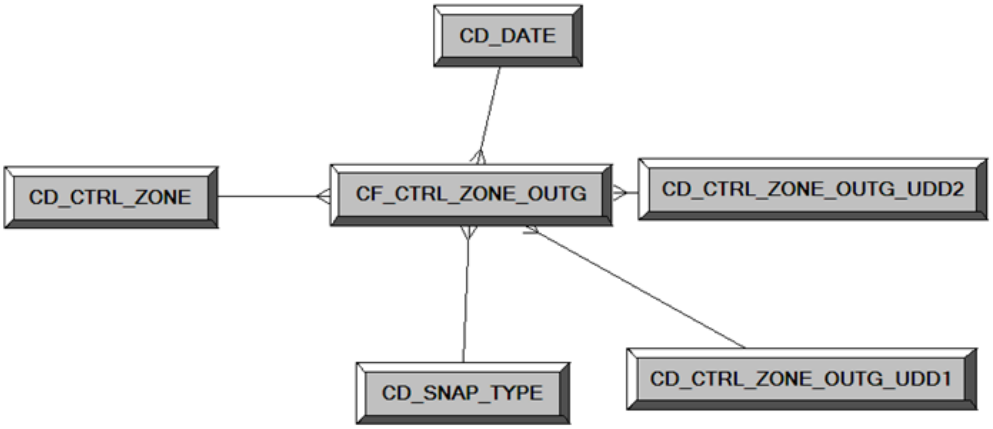
Column	OBIEE Field	Load
SNAP_TYPE_CD		P_SNAP_TYPE_CD
SNAPSHOT_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(SYSDATE)
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_BEGIN_DATE)
END_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_END_DATE)
NUM_CUST_SERVED	Number of Customers Served	Average Number of customers in the City during the period
NUM_SUST_INTRPT	Number Sustained Interruptions	Number of sustained customer interruptions during the period
NUM_MOM_INTRPT	Numb. Mom. Interruptions	Number of momentary customer interruptions during the period.
CMI	CMI	Total Customer Minutes Interrupted during the period
NUM_MULT_SUST_INTRPT	Numb. Mult. Sust. Interruption	Number of customers that experienced more than P_CEMI_COUNT sustained interruptions during the period.
NUM_MULT_CUST_INTRPT	Numb. Mult. Cust. Interruption	Number of customers that experienced more than P_CEMI_COUNT interruptions (both sustained and momentary) during the period
SAIDI	SAIDI	System Average Interruption Duration Index. Computed as CMI / NUM_CUST_SERVED
CAIDI	CAIDI	Customer Average Interruption Duration Index. SAIDI / SAIFI
SAIFI	SAIFI	System Average Interruption Frequency Index. NUM_CUST_INTRPT / NUM_CUST_SERVED
CEMI	CEMI	Customers Experiencing Multiple Interruptions. NUM_MULT_SUST_INTRPT / NUM_CUST_SERVED
CEMSMI	CEMSMI	Customers Experience Multiple Sustained and Momentary Interruptions. NUM_MULST_CUST_INTRPT / NUM_CUST_SERVED

Column	OBIEE Field	Load
CAIFI		Customer Average Interruption Frequency Index. NUM_SUST_INTRPT / NUM_CUST_INTRPT
MAIFI	MAIFI	Momentary Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED
MAIFIE	Momentary Average interruptions Event Frequency Index	Momentary Average Interruption Event Frequency Index. NUM_MOM_E_INTRPT / NUM_CUST_SERVED
ASAI	ASAI	Average Service Availability Index. ((NUM_CUST_SERVED * Number of Minutes in period) - CMI) / (NUM_CUST_SERVED * Number of Minutes in period)
ACI	ACI	Average Number of Customer Interruptions per customer. NUM_SUST_INTRPT / NUM_CUST_SERVED
MSAIFI	MSAIFI	Momentary System Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
CITY_KEY		Join to CD_CITY: Required Based on City and State in the CD_ADDR dimension
NUM_CUST_INTRPT	Number Customers Interrupted	Number of Customers that experienced an interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure
NUM_MOM_E_INTRPT	Number of Mom. E. Intrpt.	Number of Momentary Events during the period excluding the events that immediately precede a sustained interruption
NUM_EVENT	Number of Events	Number of Events during the Period
CITY_OUTG_UDD1_KEY		Join to CD_CITY_OUTG_UDD1: Optional 0

Column	OBIEE Field	Load
CITY_OUTG_UDD2_KEY		Join to CD_CITY_OUTG_UDD2: Optional 0
FACT_CNT	Number of Calls	1
UDM1	User Defined Measure 1	Not Loaded
UDM2	User Defined Measure 2	Not Loaded
UDM3	User Defined Measure 3	Not Loaded
UDM4	User Defined Measure 4	Not Loaded
UDM5	User Defined Measure 5	Not Loaded
UDDGEN1	User Defined Degenerate Dimension 1	Not Loaded
UDDGEN2	User Defined Degenerate Dimension 2	Not Loaded
UDDGEN3	User Defined Degenerate Dimension 3	Not Loaded
NUM_CUST_SUST_INTRPT	NUM_CUST_SUST_INTRPT	Number of Customers that experienced a sustained interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure

Control Zone Outage Fact <CF_CTRL_ZONE_OUTG>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Default Analytic	Outage Analytics

Property	Value
Comment	This fact is unusual in that it does NOT have an extract program. Rather, a snapshot procedure generates the rows in this fact. This fact is populated by calling the database stored procedure called SPL_OMS_SNAPSHOT_PKG.SPL_CTRL_ZONE_OUTG_SNAP_FNC. This stored procedure is delivered with the Oracle Warehouse Builder package, and contains the following parameters: • P_INITIAL_LOAD. Is this an initial load • P_SNAP_TYPE_CD. Valid Snapshot type code from the CD_SNAP_TYPE dimension. • P_END_DATE. Date to use as an end date to the load. • P_DATA_SOURCE_IND. Data Source Indicator to be mark records. Default value is 4. • P_NUMBER_OF_PERIODS. Number of periods to load, counting back from the Begin Date. Default value is 1. • P_BEGIN_DATE. Begin date to use. The default value is calculated based on the End Date entered and the Snapshot type being loaded. • P_CEMI_COUNT. Value to use to determine if a customer experienced more than N interruptions during the period being calculated. Default value is 3. • P_MOM_DURATION. Momentary Duration in minutes to use for determining if an outage is a Momentary outage or a sustained outage. • P_DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.
Driver Table	CF_CUST_RECENT_OUTG

Fields

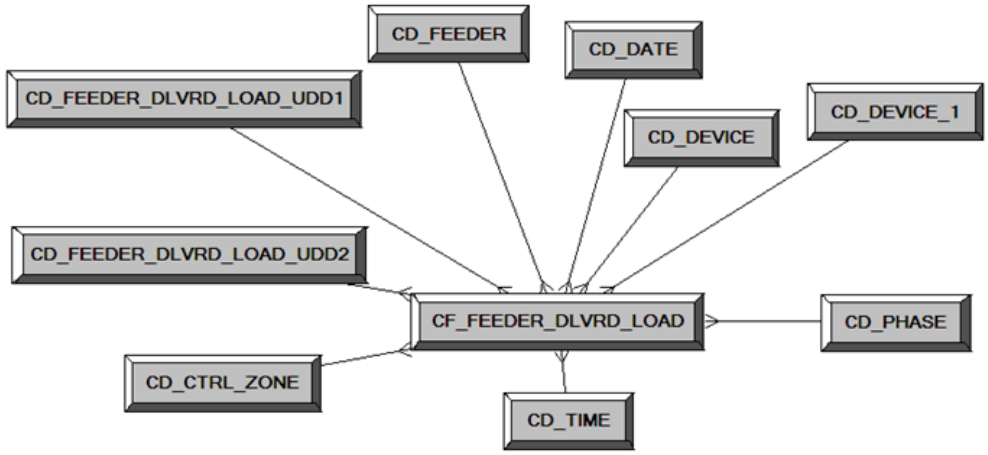
Column	OBIEE Field	Load
CTRL_ZONE_OUTG_KEY		SPL_CTRL_ZONE_OUTG_SEQ.NEXTVAL
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Required CTRL_ZONE_KEY
TMED_IND	Timed Indicator	'0'
SNAP_TYPE_CD		P_SNAP_TYPE_CD
SNAPSHOT_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(SYSDATE)
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_BEGIN_DATE)
END_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = TRUNC(P_END_DATE)
NUM_CUST_SERVED	Number of Customers Served	Average Number of customers in the City during the period
NUM_SUST_INTRPT	Number Sustained Interruptions	Number of sustained customer interruptions during the period
NUM_MOM_INTRPT	Numb. Mom. Interruptions	Number of momentary customer interruptions during the period.
CMI	CMI	Total Customer Minutes Interrupted during the period
NUM_MULT_SUST_INTRPT	Numb. Mult. Sust. Interruption	Number of customers that experienced more than P_CEMI_COUNT sustained interruptions during the period.
NUM_MULT_CUST_INTRPT	Numb. Mult. Cust. Interruption	Number of customers that experienced more than P_CEMI_COUNT interruptions (both sustained and momentary) during the period
SAIDI	SAIDI	System Average Interruption Duration Index. Computed as CMI / NUM_CUST_SERVED
CAIDI	CAIDI	Customer Average Interruption Duration Index. SAIDI / SAIFI
SAIFI	SAIFI	System Average Interruption Frequency Index. NUM_CUST_INTRPT / NUM_CUST_SERVED

Column	OBIEE Field	Load
CEMI	CEMI	Customers Experiencing Multiple Interruptions. NUM_MULT_SUST_INTRPT / NUM_CUST_SERVED
CEMSMI	CEMSMI	Customers Experience Multiple Sustained and Momentary Interruptions. NUM_MULST_CUST_INTRPT / NUM_CUST_SERVED
CAIFI		Customer Average Interruption Frequency Index. NUM_SUST_INTRPT / NUM_CUST_INTRPT
MAIFI	MAIFI	Momentary Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED
MAIFIE	Momentary Average interruptions Event Frequency Index	Momentary Average Interruption Event Frequency Index. NUM_MOM_E_INTRPT / NUM_CUST_SERVED
ASAI	ASAI	Average Service Availability Index. ((NUM_CUST_SERVED * Number of Minutes in period) - CMI) / (NUM_CUST_SERVED * Number of Minutes in period)
ACI	ACI	Average Number of Customer Interruptions per customer. NUM_SUST_INTRPT / NUM_CUST_SERVED
MSAIFI	MSAIFI	Momentary System Average Interruption Frequency Index. NUM_MOM_INTRPT / NUM_CUST_SERVED
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
NUM_CUST_INTRPT	Number Customers Interrupted	Number of Customers that experienced an interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure
NUM_MOM_E_INTRPT	Number of Mom. E. Intrpt.	Number of Momentary Events during the period excluding the events that immediately precede a sustained interruption

Column	OBIEE Field	Load
NUM_EVENT	Number of Events	Number of Events during the Period
CTRL_ZONE_OUTG_UDD1_KEY		Join to CD_CTRL_ZONE_OUTG_UDD1: Optional 0
CTRL_ZONE_OUTG_UDD2_KEY		Join to CD_CTRL_ZONE_OUTG_UDD2: Optional 0
FACT_CNT	Number of Calls	1
UDM1	User Defined Measure 1	Not Loaded
UDM2	User Defined Measure 2	Not Loaded
UDM3	User Defined Measure 3	Not Loaded
UDM4	User Defined Measure 4	Not Loaded
UDM5	User Defined Measure 5	Not Loaded
UDDGEN1	User Defined Degenerate Dimension 1	Not Loaded
UDDGEN2	User Defined Degenerate Dimension 2	Not Loaded
UDDGEN3	User Defined Degenerate Dimension 3	Not Loaded
NUM_CUST_SUST_INTRPT	Number of Customers who experienced a Sustained Interruption	Number of Customers that experienced a sustained interruption during the period. If a customer experienced more than one interruption, they will be counted only once in this measure
	Previous SAIDI	AGO(SAIDI, CD_DATEDim.Month, 1)
	Rank of SAIDI	RANK(SAIDI)
	Previous SAIDI Rank	RANK(Previous SAIDI)

Feeder Delivered Load Snapshot Fact < CF_FEEDER_DLVRD_LOAD >

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Default Analytic	Distribution Analytics

Fields

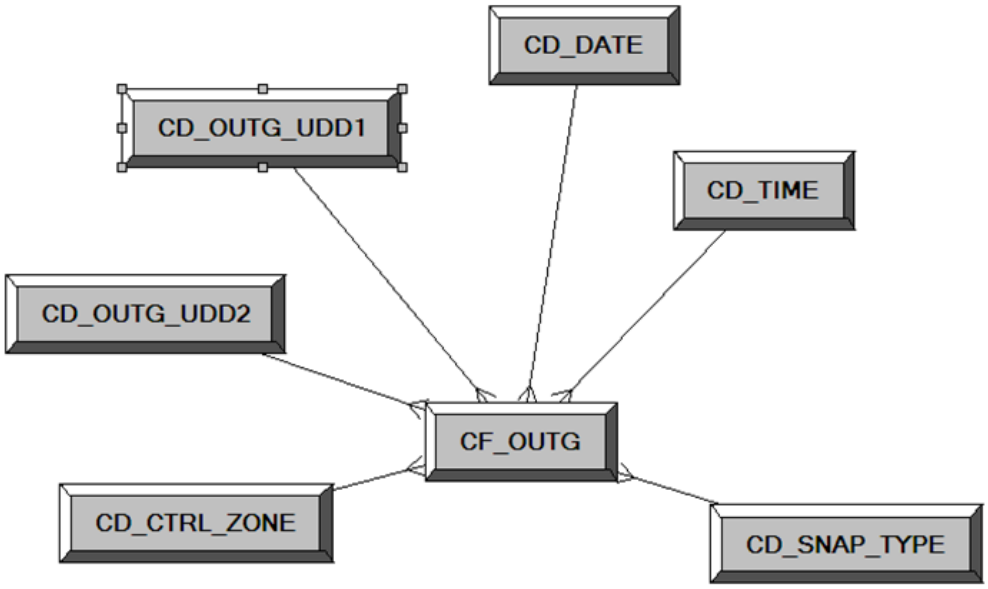
Column	OBIEE Field	Load
FEEDER_DLVRD_LOAD_KEY		SPL_FEEDER_DLVRD_LOAD_SEQ.NEXTVAL
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
SRC_FEEDER_CLS	Feeder Class	Stage: SRC_FEEDER_CLS
SRC_FEEDER_IDX	Feeder Index	Stage: SRC_FEEDER_IDX
SRC_DTTM	Snapshot Date/Time	Stage: SRC_DTTM
SRC_PHASE_ID	Phase ID	Stage: SRC_PHASE_ID
FEEDER_KEY		Join to CD_FEEDER: Required CD_FEEDER.SRC_FEEDER_CLS = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX = Stage.SRC_FEEDER_IDX

Column	OBIEE Field	Load
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_NCG_ID
BRKR_DEVICE_KEY		Join to CD_DEVICE: Required CD_DEVICE.SRC_DEVICE_CLS = Stage.BRKR_SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX = Stage.BRKR_SRC_DEVICE_IDX
SUBSTN_DEVICE_KEY		Join to CD_DEVICE: Required CD_DEVICE.SRC_DEVICE_CLS = Stage.SUBSTN_SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX = Stage.SUBSTN_SRC_DEVICE_IDX
SNAPSHOT_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.SNAPSHOT_DATE
SNAPSHOT_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.SNAPSHOT_TIME
PHASE_KEY		Join to CD_PHASE: Required CD_PHASE.SRC_PHASE_ID = Stage.SRC_PHASE_ID
FEEDER_DLVRD_LOAD_UDD1_KEY		Join to CD_FEEDER_DLVRD_LOAD_UDD1: Optional CD_FEEDER_DLVRD_LOAD_UDD1.UDD1_CD(+) = Stage.UDD1_CD
FEEDER_DLVRD_LOAD_UDD2_KEY		Join to CD_FEEDER_DLVRD_LOAD_UDD2: Optional CD_FEEDER_DLVRD_LOAD_UDD2.UDD2_CD(+) = Stage.UDD2_CD
BRKR_AMP_LIMIT	Breaker Amp Limit	Stage: BRKR_AMP_LIMIT
AMP	Amp – Phase A, B and C	Stage: AMP
KW	kW – Phase A, B and C	Stage: KW
KVAR	kVAr – Phase A, B and C	Stage: KVAR

Column	OBIEE Field	Load
KVA	kVA – Phase A, B and C	Stage: KVA
VOLTAGE	Voltage – Phase A, B and C	Stage: VOLTAGE
POWER_FACTOR	Power Factor – Phase A, B and C	Stage: POWER_FACTOR
FACT_CNT	Count	1
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
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
	Average kVAr	AVG(KVAR)
	Average Amp	AVG(AMP)
	Average kVA	AVG(KVA)
	Average kW	AVG(KW)
	Maximum kVA	MAX(KVA)
	Maximum kW	MAX(KW)
	Maximum kVAr	MAX(KVAR)
	Maximum Amp	MAX(AMP)
	Maximum Voltage	MAX(VOLTAGE)
	Maximum Breaker Amp Limit	MAX(BRKR_AMP_LIMIT)
	Capacity Margin	MAX(BRKR_AMP_LIMIT) – MAX(AMP)

Outage Fact <CF_OUTG>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Snapshot
Default Analytic	Outage Analytics
Comment	This fact is unusual in that it does NOT have an extract program. Rather, a snapshot procedure generates the rows in this fact. This fact is populated by calling the database stored procedure called SPL_OMS_SNAPSHOT_PKG.SPL_OUTG_SNAP_FNC. This stored procedure is delivered with the Oracle Warehouse Builder package, and contains the following parameters: - P_DATA_SOURCE_IND. Data Source Indicator to be mark records. Default value is 4. - P_DEBUG. This is a text string that defines if debug information will be created when the procedure is run. The default setting is no debug information.

Property	Value
Driver Table	CF_CUST_RECENT_OUTG, CF_RECENT_JOB, CF_RECENT_CALL and CF_RECENT_CREW

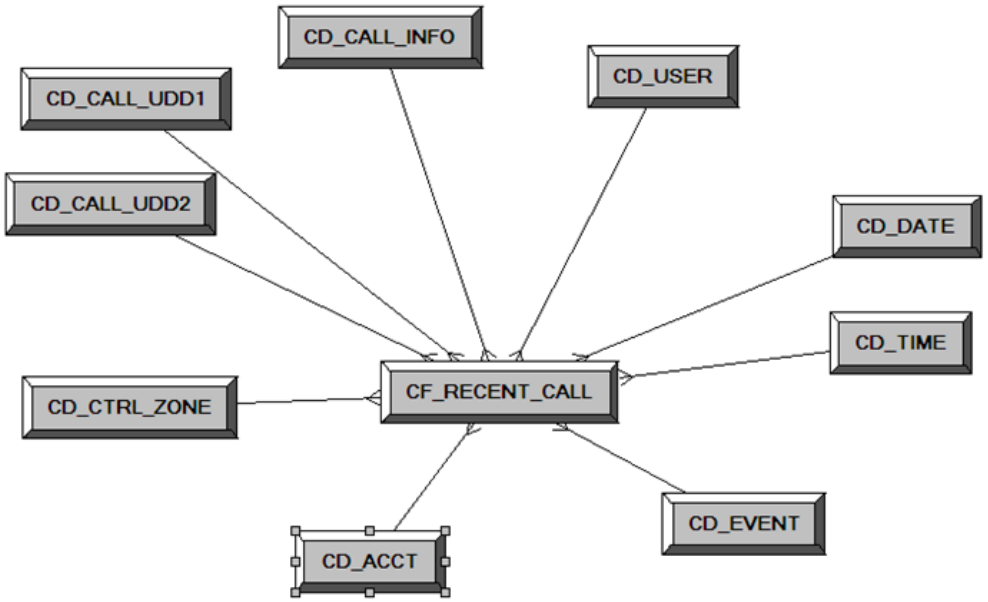
Fields

Column	OBIEE Field	Load
OUTG_KEY		SPL_OUTG_SEQ.NEXTVAL
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Required CTRL_ZONE_KEY from the Driver Table
SNAP_TYPE_CD		'H'
SNAPSHOT_DATE_KEY		Join to CD_DATE: Required
NUM_CREW_ASSIGN	Number of Crew Assignments	Number of Crews that were assigned to an event during the hour (From CF_RECENT_CREW)
NUM_CREW_DISP	Number of Crew Dispatches	Number of crews that were dispatched to an event during the hour (From CF_RECENT_CREW)
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
SNAPSHOT_TIME_KEY		Join to CD_TIME: Required Based on the Hour of the Snapshot
NUM_CUST_OUTG	Number of Customers Out	Number of customers that were without power at some point during the hour (From CF_CUST_RECENT_OUTG)
NUM_CUST_RST	Number of Customers Restore	Number of customers that had power restored during the hour (From CF_CUST_RECENT_OUTG)
NUM_CUST_NEW	Number of New Customers	Number of customers that initially lost power during the hour (From CF_CUST_RECENT_OUTG)
NUM_CUST_MOM	Number of Customer Momentaries	Number of Momentary interruptions that ended during the hour (From CF_CUST_RECENT_OUTG)

Column	OBIEE Field	Load
NUM_EVENT	Number of Events	Number of events that were ongoing during the hour (From CF_RECENT_JOB)
NUM_NEW_EVENT	Number of New Events	Number of new events that started during the hour (From CF_RECENT_JOB)
NUM_CLOSED_EVENT	Number of Closed Events	Number of events that were completed during the hour (From CF_RECENT_JOB)
NUM_CANCELLED_EVENT	Number of Cancelled Events	Number of events that were cancelled during the hour (From CF_RECENT_JOB)
NUM_CALL	Number of Calls	Number of calls that were received during the hour (From CF_RECENT_CALL)
OUTG_UDD1_KEY		Join to CD_OUTG_UDD1: Optional 0
OUTG_UDD2_KEY		Join to CD_OUTG_UDD2: Optional 0
FACT_CNT		1
UDM1	User Defined Measure 1	Not Loaded
UDM2	User Defined Measure 2	Not Loaded
UDM3	User Defined Measure 3	Not Loaded
UDM4	User Defined Measure 4	Not Loaded
UDM5	User Defined Measure 5	Not Loaded
UDDGEN1	User Defined Degenerate Dimension 1	Not Loaded
UDDGEN2	User Defined Degenerate Dimension 2	Not Loaded
UDDGEN3	User Defined Degenerate Dimension 3	Not Loaded
	Snapshot Time	Date and Time of the Snapshot, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND

Recent Call Fact <CF_RECENT_CALL>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction

Fields

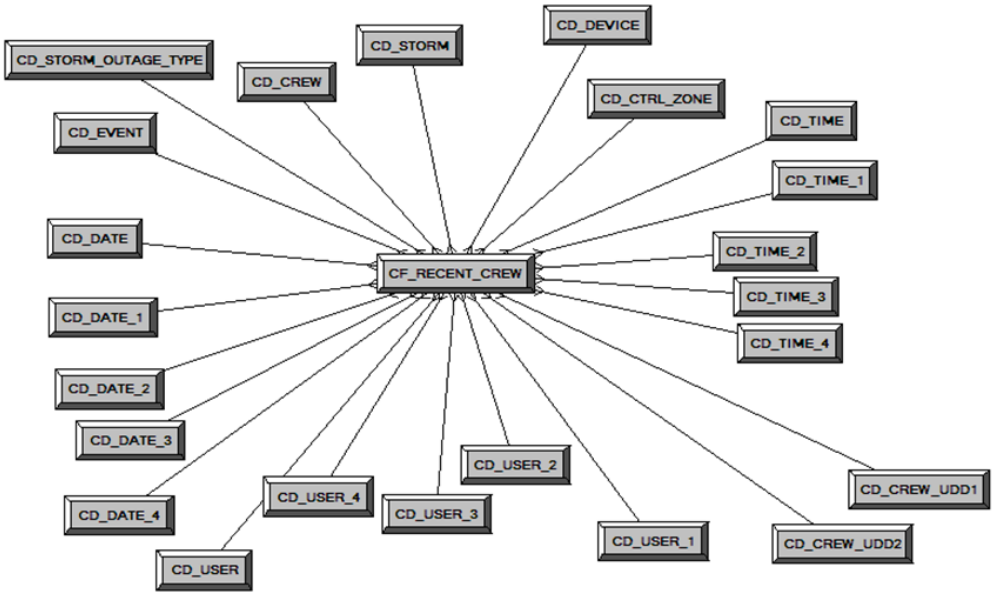
Column	OBIEE Field	Load
RECENT_CALL_KEY		SPL_RECENT_CALL_SEQ.NEXTVAL
UDM1	User Defined Measure 1	Stage: UDM1
UDM2	User Defined Measure 2	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Number of Calls	1
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
UDDGEN1	Resolved?	Stage: UDDGEN1

Column	OBIEE Field	Load
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_INCIDENT_ID	Incident Id (Natural Key)	Stage: SRC_INCIDENT_ID
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR
ACCT_KEY		Join to CD_ACCT: Optional CD_ACCT.SRC_ACCT_ID(+) = Stage.SRC_ACCT_ID
PRIORITY_IND	Priority Call?	Stage: PRIORITY_IND
CALL_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.CALL_DATE
CALL_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.CALL_TIME
CALL_UDD1_KEY		Join to CD_CALL_UDD1: Optional CD_CALL_UDD1.UDD1_CD(+) = Stage.UDD1_CD
CALL_UDD2_KEY		Join to CD_CALL_UDD2: Optional CD_CALL_UDD2.UDD2_CD(+) = Stage.UDD2_CD
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID
USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD
CALL_INFO_KEY		Join to CD_CALL_INFO: Required CD_CALL_INFO.SRC_INCIDENT_ID = Stage.SRC_INCIDENT_ID
	Call Time	Date and Time of the Call, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND

Column	OBIEE Field	Load
	Call Hour	Date and Hour of the Call, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR

Recent Crew Activity Fact <CF_RECENT_CREW>

Entity Relationship Diagram



ERD Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Outage Analytics

Fields

Column	OBIEE Field	Load
RECENT_CREW_KEY		SPL_RECENT_CREW_SEQ.NEXTVAL
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
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Number of Crews	1
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR

Column	OBIEE Field	Load
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_CREW_ID	Crew ID (Natural Key)	Stage: SRC_CREW_ID
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_EVENT_NBR
SRC_EVENT_NBR	Event Number (Natural Key)	Stage: SRC_EVENT_NBR
INROUTE_DURATION	Time Spent Inroute	Stage: INROUTE_DURATION
ASSIGN_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ASSIGN_DATE
ASSIGN_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ASSIGN_TIME
CREW_UDD1_KEY		Join to CD_CREW_UDD1: Optional CD_CREW_UDD1.UDD1_CD(+) = Stage.UDD1_CD
CREW_UDD2_KEY		Join to CD_CREW_UDD2: Optional CD_CREW_UDD2.UDD1_CD(+) = Stage.UDD2_CD
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID
ASSIGN_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ASSIGN_USER
CREW_KEY		Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID
WORK_DURATION	Time Spent Onsite	Stage: WORK_DURATION
ASSIGN_DURATION	Time Spent Assigned	Stage: ASSIGN_DURATION
DISPATCH_DURATION	Time Spent Dispatched	Stage: DISPATCH_DURATION

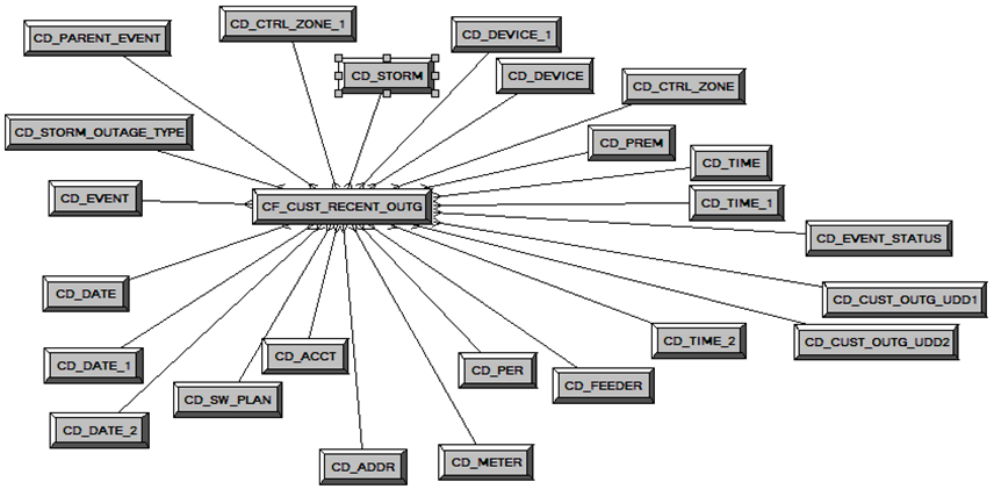
Column	OBIEE Field	Load
DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX
UNASSIGN_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_UNASSIGN_USER
UNASSIGN_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.UNASSIGN_DATE
UNASSIGN_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.UNASSIGN_TIME
ACCEPT_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ACCEPT_USER
ACCEPT_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ACCEPT_DATE
ACCEPT_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ACCEPT_TIME
ARRIVE_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ARRIVE_TIME
CMPL_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.CMPL_TIME
ARRIVE_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ARRIVE_DATE
CMPL_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.CMPL_DATE
CMPL_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER
ARRIVE_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ARRIVE_USER

Column	OBIEE Field	Load
STORM_KEY		Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX
STORM_OUTAGE_TYPE_KEY		Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE
	Cmpl Time	Date and Time of Crew Completion, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the CMPL_DATE_KEY and CMPL_TIME_KEY
	Assign Time	Date and Time of Crew Assignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ASSIGN_DATE_KEY and ASSIGN_TIME_KEY
	Accept Time	Date and Time of Crew Acceptance, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ACCEPT_DATE_KEY and ACCEPT_TIME_KEY
	Arrive Time	Date and Time of Crew Arrival, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ARRIVE_DATE_KEY and ARRIVE_TIME_KEY
	Unassign Time	Date and Time of Crew Unassignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the UNASSIGN_DATE_KEY and UNASSIGN_TIME_KEY

Column	OBIEE Field	Load
	Number of Assignments	SUM(FACT_CNT) where ASSIGN_DATE_KEY <> 0
	Number of Arrivals	SUM(FACT_CNT) where ARRIVE_DATE_KEY <> 0
	Number of Events Accepted	SUM(FACT_CNT) where ACCEPT_DATE_KEY <> 0
	Number of Events Completed	SUM(FACT_CNT) where CMPL_DATE_KEY <> 0
	Average En Route Duration (in Minutes)	AVG(INROUTE_DURATION)
	Average Onsite Duration (in Minutes)	AVG(WORK_DURATION)
	Average Assign Duration (in Minutes)	AVG(ASSIGN_DURATION)
	Average Dispatch Duration (in Minutes)	AVG(DISPATCH_DURATION)

Recent Customer Outage Fact <CF_CUST_RECENT_OUTG>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Outage Analytics

Fields

Column	OBIEE Field	Load
CUST_RECENT_OUTG_KEY		SPL_CUST_RECENT_OUTG_SEQ.NEXTVAL
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
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Customers Impacted	1
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1

Column	OBIEE Field	Load
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_ID	ID (Natural Key)	Stage: SRC_ID
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR
EVENT_STATUS_KEY		Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS
ACCT_KEY		Join to CD_ACCT: Required CD_ACCT.SRC_ACCT_ID = Stage.SRC_ACCT_ID
PREM_KEY		Join to CD_PREM: Required CD_PREM.SRC_PREM_ID = Stage.SRC_ACCT_ID
PER_KEY		Join to CD_PER: Required CD_PER.SRC_PER_ID = Stage.SRC_ACCT_ID
METER_KEY		Join to CD_METER: Required CD_METER.SRC_METER_ID = Stage.SRC_ACCT_ID
ADDR_KEY		Join to CD_ADDR: Required CD_ADDR.SRC_ADDR_ID = Stage.SRC_ACCT_ID
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE
BEGIN_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME
BEGIN_DTTM	Begin Date	Stage: BEGIN_DTTM
RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE
RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME
RST_DTTM	Restore Date	Stage: RST_DTTM
RST_IND	Restored?	Stage: RST_IND

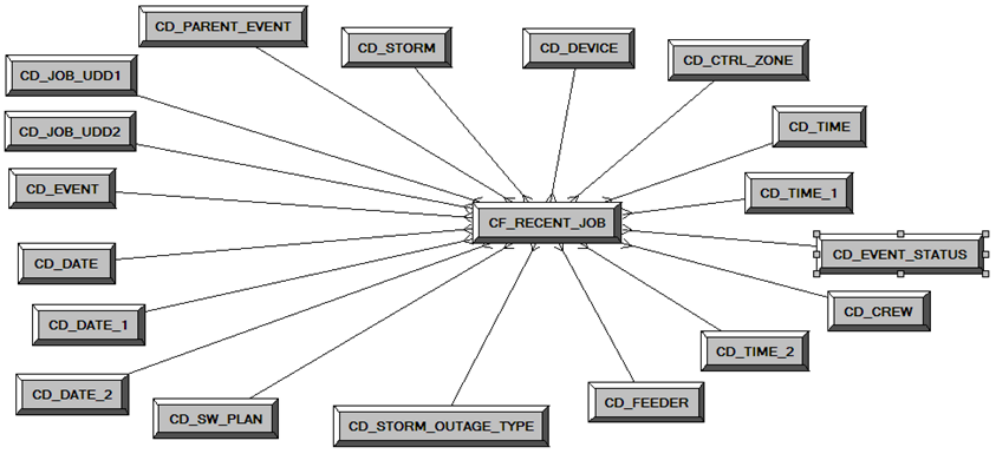
Column	OBIEE Field	Load
EST_RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME
EST_RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_AFF_NCG_ID
CAUSE_CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_CAUSE_NCG_ID
CUST_OUTG_UDD1_KEY		Join to CD_CUST_OUTG_UDD1: Optional CD_CUST_OUTG_UDD1.UDD1_CD(+) = Stage.UDD1_CD
CUST_OUTG_UDD2_KEY		Join to CD_CUST_OUTG_UDD2: Optional CD_CUST_OUTG_UDD2.UDD2_CD(+) = Stage.UDD2_CD
PLANNED_IND	Planned?	Stage: PLANNED_IND
EXCLUDE_IND	Excluded?	Stage: EXCLUDE_IND
OMS_EXCLUDE_IND	OMS Excluded?	Stage: OMS_EXCLUDE_IND
CANCELLED_IND	Cancelled?	Stage: CANCELLED_IND
OUTG_DURATION	Outage Duration	Stage: OUTG_DURATION
NUM_MOMENTARY	Number of Momentaries	Stage: NUM_MOMENTARY
CMI	Customer Minutes Interrupted	Stage: CMI
AFF_DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_AFF_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_AFF_DEVICE_CLS

Column	OBIEE Field	Load
CAUSE_DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_CAUSE_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_CAUSE_DEVICE_CLS
FEEDER_KEY		Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX
SW_PLAN_KEY		Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX
STORM_KEY		Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX
STORM_OUTAGE_TYPE_KEY		Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE
PARENT_EVENT_KEY		Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.SRC_PARENT_NBR
	Begin Date Hour	TRUNC(BEGIN_DTTM, 'HH')
	Est Rst Time	Date and Time of the Estimated Restoration, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the EST_RST_DATE_KEY and EST_RST_TIME_KEY

Column	OBIEE Field	Load
	Average Outage Duration	AVG(OUTG_DURATION)
	Average Estimated Restoration Duration (in Minutes)	AVG(Est Rst Time – Begin Date) * 1440
	Number of Customers without Power	SUM(FACT_CNT) where RST_IND = 0
	Number of Customers with Power Restored	SUM(FACT_CNT) where RST_IND = 1
	Restore Date Hour	TRUNC(RST_DTTM, 'HH')

Recent Job Fact <CF_RECENT_JOB>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Outage Analytics

Fields

Column	OBIEE Field	Load
RECENT_JOB_KEY		SPL_RECENT_JOB_SEQ.NEXTVAL
UDM1	Customers Impacted	Stage: UDM1
UDM2	Calls Received	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Number of Events	1
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2

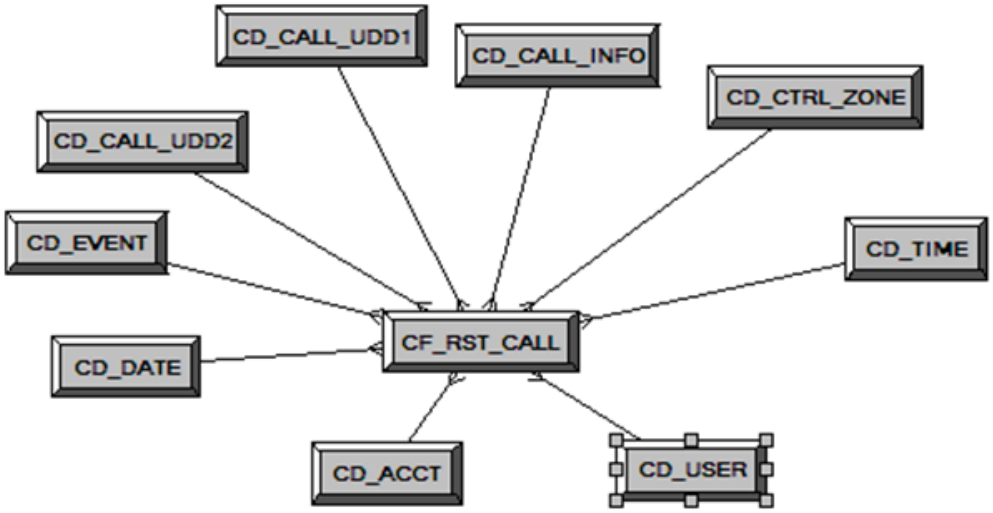
Column	OBIEE Field	Load
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_JOB_NBR	Job Number (Natural Key)	Stage: SRC_NBR
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR
EVENT_STATUS_KEY		Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE
BEGIN_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME
BEGIN_DTTM	Begin Date	Stage: BEGIN_DTTM
RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME
RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE
RST_DTTM	Restore Date	Stage: RST_DTTM
RST_IND	Restored?	Stage: RST_IND
EST_RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME
EST_RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE
PLANNED_IND	Planned?	Stage: PLANNED_IND
EXCLUDE_IND	Excluded?	Stage: EXCLUDE_IND
OMS_EXCLUDE_IND	OMS Exclude?	Stage: OMS_EXCLUDE_IND
CANCELLED_IND	Cancelled?	Stage: CANCELLED_IND
OUTG_DURATION	Outage Duration	Stage: OUTG_DURATION
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID

Column	OBIEE Field	Load
DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX
CMPL_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER
RESP_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_RESP_USER
CREW_KEY		Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID
JOB_UDD1_KEY		Join to CD_JOB_UDD1: Optional CD_JOB_UDD1.UDD1_CD(+) = Stage.UDD1_CD
JOB_UDD2_KEY		Join to CD_JOB_UDD2: Optional CD_JOB_UDD2.UDD2_CD(+) = Stage.UDD2_CD
FEEDER_KEY		Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX
SW_PLAN_KEY		Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX
STORM_KEY		Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX

Column	OBIEE Field	Load
STORM_OUTAGE_TYPE_KEY		Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE
PARENT_EVENT_KEY		Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.PARENT_SRC_NBR
	Est Rst Time	Date and Time of the Estimated Restoration, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the EST_RST_DATE_KEY and EST_RST_TIME_KEY
	Average Outage Duration (in Minutes)	AVG(OUTG_DURATION)
	Average Estimated Restoration Duration (in Minutes)	AVG(Est Rst Time – Begin Date) * 1440

Restored Call Fact <CF_RST_CALL>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Outage Analytics

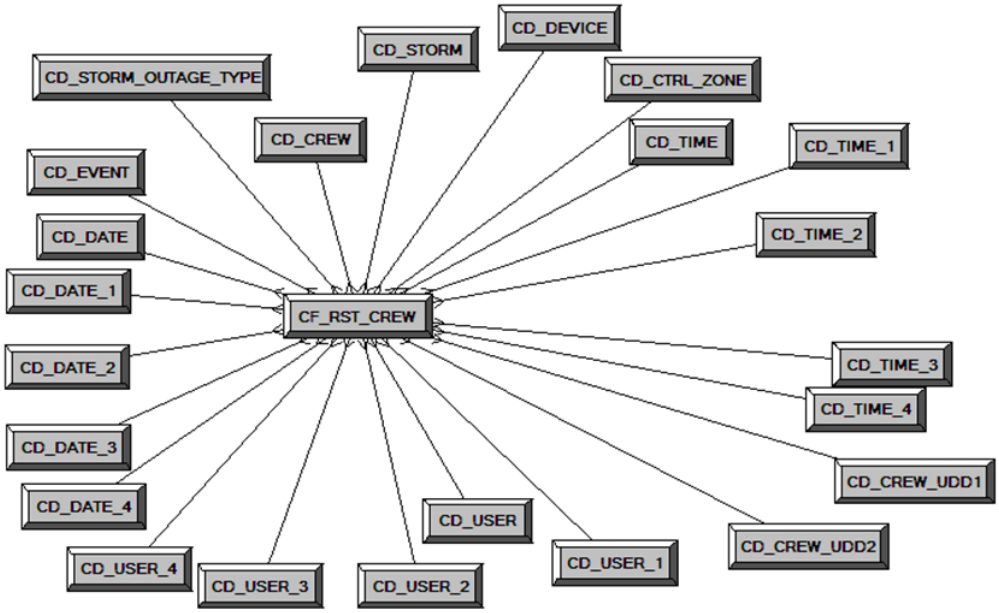
Fields

Column	OBIEE Field	Load
RST_CALL_KEY		SPL_RST_CALL_SEQ.NEXTVAL
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
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Number of Calls	1
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
UDDGEN1	Resolved?	Stage: UDDGEN1

Column	OBIEE Field	Load
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_INCIDENT_ID	Incident Id (Natural Key)	Stage: SRC_INCIDENT_ID
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR
ACCT_KEY		Join to CD_ACCT: Optional CD_ACCT.SRC_ACCT_ID(+) = Stage.SRC_ACCT_ID
PRIORITY_IND	Priority Call?	Stage: PRIORITY_IND
CALL_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.CALL_DATE
CALL_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.CALL_TIME
CALL_UDD1_KEY		Join to CD_CALL_UDD1: Optional CD_CALL_UDD1.UDD1_CD(+) = Stage.UDD1_CD
CALL_UDD2_KEY		Join to CD_CALL_UDD2: Optional CD_CALL_UDD2.UDD2_CD(+) = Stage.UDD2_CD
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID
USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD
CALL_INFO_KEY		Join to CD_CALL_INFO: Required CD_CALL_INFO.SRC_INCIDENT_ID = Stage.SRC_INCIDENT_ID
	Call Time	Date and Time of the Snapshot, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND

Restored Crew Activity Fact <CF_RST_CREW>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Outage Analytics

Fields

Column	OBIEE Field	Load
RST_CREW_KEY		SPL_RST_CREW_SEQ.NEXTVAL
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
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Number of Crews	1
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR

Column	OBIEE Field	Load
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_CREW_ID	Crew ID (Natural Key)	Stage: SRC_CREW_ID
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_EVENT_NBR
SRC_EVENT_NBR	Event Number (Natural Key)	Stage: SRC_EVENT_NBR
INROUTE_DURATION	Time Spent Inroute	Stage: INROUTE_DURATION
ASSIGN_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ASSIGN_DATE
ASSIGN_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ASSIGN_TIME
CREW_UDD1_KEY		Join to CD_CREW_UDD1: Optional CD_CREW_UDD1.UDD1_CD(+) = Stage.UDD1_CD
CREW_UDD2_KEY		Join to CD_CREW_UDD2: Optional CD_CREW_UDD2.UDD1_CD(+) = Stage.UDD2_CD
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID
ASSIGN_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ASSIGN_USER
CREW_KEY		Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID
WORK_DURATION	Time Spent Onsite	Stage: WORK_DURATION
ASSIGN_DURATION	Time Spent Assigned	Stage: ASSIGN_DURATION
DISPATCH_DURATION	Time Spent Dispatched	Stage: DISPATCH_DURATION

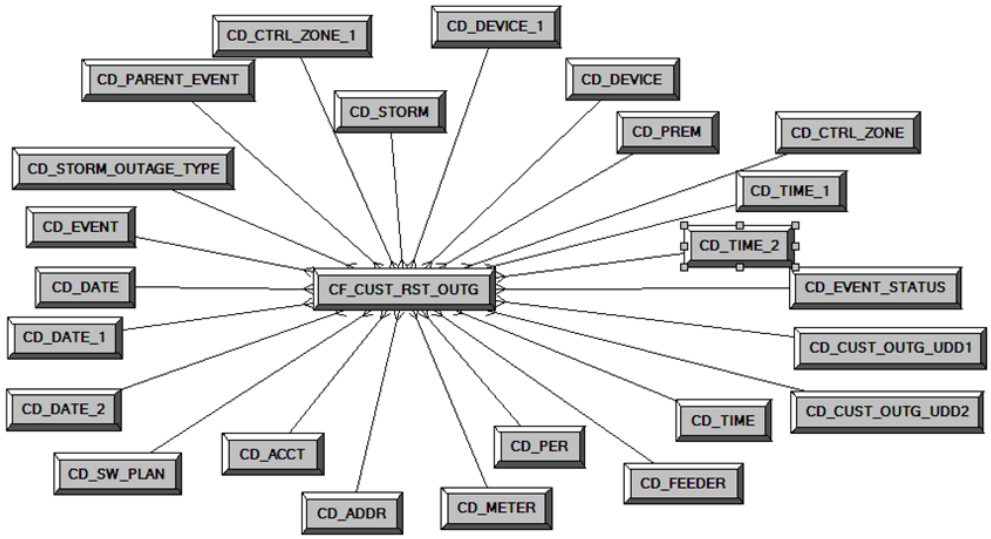
Column	OBIEE Field	Load
DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX
UNASSIGN_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_UNASSIGN_USER
UNASSIGN_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.UNASSIGN_DATE
UNASSIGN_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.UNASSIGN_TIME
ACCEPT_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ACCEPT_USER
ACCEPT_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ACCEPT_DATE
ACCEPT_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ACCEPT_TIME
ARRIVE_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.ARRIVE_TIME
CMPL_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.CMPL_TIME
ARRIVE_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.ARRIVE_DATE
CMPL_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.CMPL_DATE
CMPL_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER
ARRIVE_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_ARRIVE_USER

Column	OBIEE Field	Load
STORM_KEY		Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX
STORM_OUTAGE_TYPE_KEY		Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE
	Cmpl Time	Date and Time of Crew Completion, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the CMPL_DATE_KEY and CMPL_TIME_KEY
	Assign Time	Date and Time of Crew Assignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ASSIGN_DATE_KEY and ASSIGN_TIME_KEY
	Accept Time	Date and Time of Crew Acceptance, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ACCEPT_DATE_KEY and ACCEPT_TIME_KEY
	Arrive Time	Date and Time of Crew Arrival, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the ARRIVE_DATE_KEY and ARRIVE_TIME_KEY
	Unassign Time	Date and Time of Crew Unassignment, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the UNASSIGN_DATE_KEY and UNASSIGN_TIME_KEY

Column	OBIEE Field	Load
	Average En Route Duration (in Minutes)	AVG(INROUTE_DURATION)
	Average Onsite Duration (in Minutes)	AVG(WORK_DURATION)
	Average Assign Duration (in Minutes)	AVG(ASSIGN_DURATION)
	Average Dispatch Duration (in Minutes)	AVG(DISPATCH_DURATION)

Restored Customer Outage Fact <CF_CUST_RST_OUTG>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Outage Analytics

Fields

Column	OBIEE Field	Load
CUST_RST_OUTG_KEY		SPL_CUST_RST_OUTG_SEQ.NEXTVAL
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
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Customers Impacted	1
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1

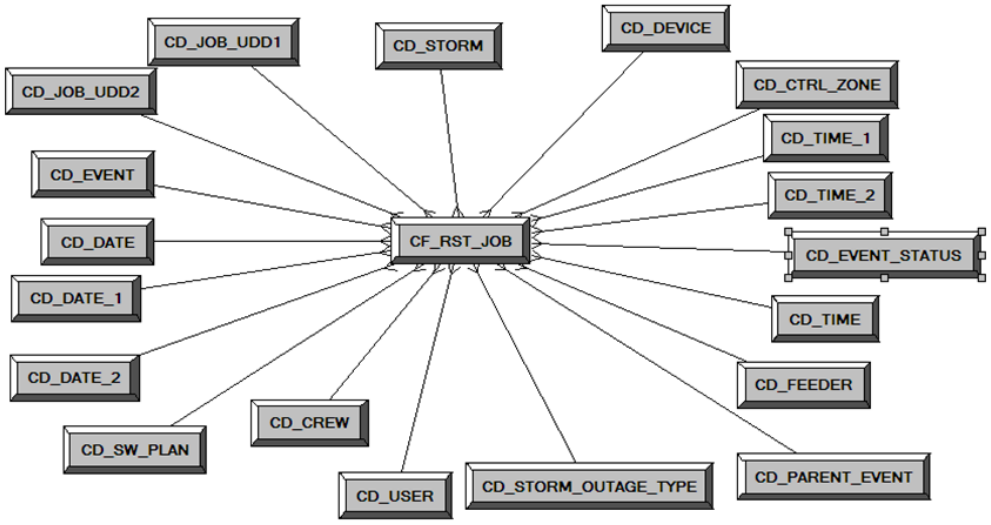
Column	OBIEE Field	Load
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_ID	ID (Natural Key)	Stage: SRC_ID
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR
EVENT_STATUS_KEY		Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS
ACCT_KEY		Join to CD_ACCT: Required CD_ACCT.SRC_ACCT_ID = Stage.SRC_ACCT_ID
PREM_KEY		Join to CD_PREM: Required CD_PREM.SRC_PREM_ID = Stage.SRC_ACCT_ID
PER_KEY		Join to CD_PER: Required CD_PER.SRC_PER_ID = Stage.SRC_ACCT_ID
METER_KEY		Join to CD_METER: Required CD_METER.SRC_METER_ID = Stage.SRC_ACCT_ID
ADDR_KEY		Join to CD_ADDR: Required CD_ADDR.SRC_ADDR_ID = Stage.SRC_ACCT_ID
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE
BEGIN_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME
BEGIN_DTTM	Begin Date	Stage: BEGIN_DTTM
RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE
RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME
RST_DTTM	Restore Date	Stage: RST_DTTM
RST_IND	Restored?	Stage: RST_IND

Column	OBIEE Field	Load
EST_RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME
EST_RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_AFF_NCG_ID
CAUSE_CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_CAUSE_NCG_ID
CUST_OUTG_UDD1_KEY		Join to CD_CUST_OUTG_UDD1: Optional CD_CUST_OUTG_UDD1.UDD1_CD(+) = Stage.UDD1_CD
CUST_OUTG_UDD2_KEY		Join to CD_CUST_OUTG_UDD2: Optional CD_CUST_OUTG_UDD2.UDD2_CD(+) = Stage.UDD2_CD
PLANNED_IND	Planned?	Stage: PLANNED_IND
EXCLUDE_IND	Excluded?	Stage: EXCLUDE_IND
OMS_EXCLUDE_IND	OMS Excluded?	Stage: OMS_EXCLUDE_IND
CANCELLED_IND	Cancelled?	Stage: CANCELLED_IND
OUTG_DURATION	Outage Duration	Stage: OUTG_DURATION
NUM_MOMENTARY	Number of Momentaries	Stage: NUM_MOMENTARY
CMI	Customer Minutes Interrupted	Stage: CMI
AFF_DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_AFF_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_AFF_DEVICE_CLS

Column	OBIEE Field	Load
CAUSE_DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_CAUSE_DEVICE_IDX and CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_CAUSE_DEVICE_CLS
FEEDER_KEY		Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX
SW_PLAN_KEY		Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX
STORM_KEY		Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX
STORM_OUTAGE_TYPE_KEY		Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE
PARENT_EVENT_KEY		Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.SRC_PARENT_NBR
	Average Outage Duration (in Minutes)	AVG(OUTG_DURATION)
	Revenue Loss	sum(OUTG_DURATION) / nullif(24 * 30 , 0) * avg(CF_FT.REVENUE_AMT) * 0.75
	Loss	sum(CMI)

Restored Job Fact <CF_RST_JOB>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Outage Analytics

Fields

Column	OBIEE Field	Load
RST_JOB_KEY		SPL_RST_JOB_SEQ.NEXTVAL
UDM1	Customers Impacted	Stage: UDM1
UDM2	Calls Received	Stage: UDM2
UDM3	User Defined Measure 3	Stage: UDM3
UDM4	User Defined Measure 4	Stage: UDM4
UDM5	User Defined Measure 5	Stage: UDM5
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
FACT_CNT	Number of Events	1
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1

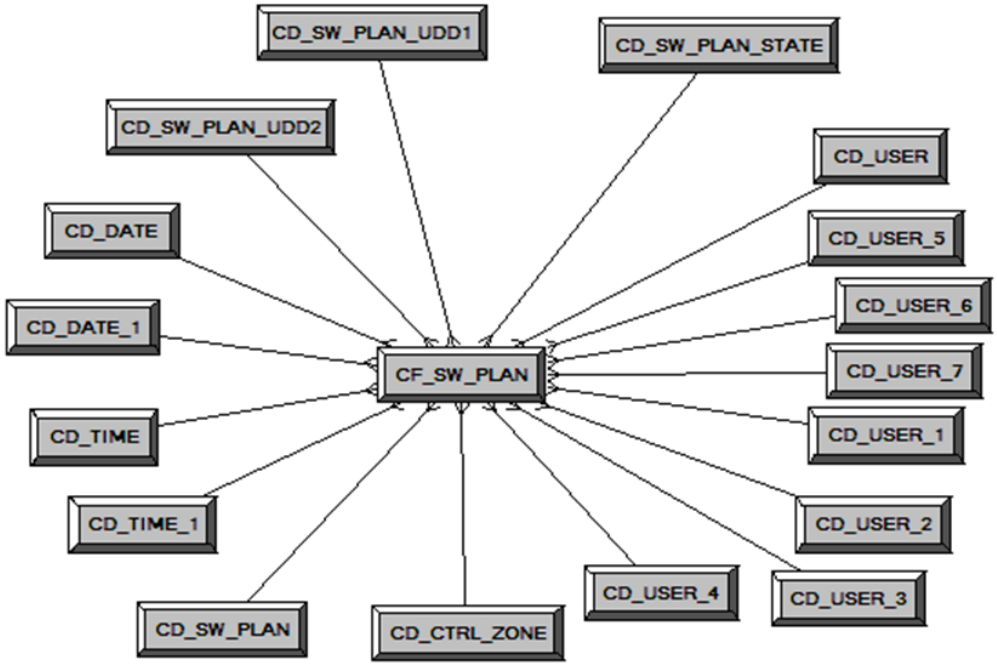
Column	OBIEE Field	Load
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3
SRC_JOB_NBR	Job Number (Natural Key)	Stage: SRC_NBR
EVENT_KEY		Join to CD_EVENT: Required CD_EVENT.SRC_NBR = Stage.SRC_NBR
EVENT_STATUS_KEY		Join to CD_EVENT_STATUS: Required CD_EVENT_STATUS.SRC_STATUS = Stage.SRC_STATUS
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE
BEGIN_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME
BEGIN_DTTM	Begin Date	Stage: BEGIN_DTTM
RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.RST_TIME
RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.RST_DATE
RST_DTTM	Restore Date	Stage: RST_DTTM
RST_IND	Restored?	Stage: RST_IND
EST_RST_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.EST_RST_TIME
EST_RST_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.EST_RST_DATE
PLANNED_IND	Planned?	Stage: PLANNED_IND
EXCLUDE_IND	Excluded?	Stage: EXCLUDE_IND
OMS_EXCLUDE_IND	OMS Exclude?	Stage: OMS_EXCLUDE_IND
CANCELLED_IND	Cancelled?	Stage: CANCELLED_IND
OUTG_DURATION	Outage Duration	Stage: OUTG_DURATION

Column	OBIEE Field	Load
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Optional CD_CTRL_ZONE.SRC_NCG_ID(+) = Stage.SRC_NCG_ID
DEVICE_KEY		Join to CD_DEVICE: Optional CD_DEVICE.SRC_DEVICE_CLS(+) = Stage.SRC_DEVICE_CLS and CD_DEVICE.SRC_DEVICE_IDX(+) = Stage.SRC_DEVICE_IDX
CMPL_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_CMPL_USER
RESP_USER_KEY		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.SRC_RESP_USER
CREW_KEY		Join to CD_CREW: Optional CD_CREW.SRC_CREW_ID(+) = Stage.SRC_CREW_ID
JOB_UDD1_KEY		Join to CD_JOB_UDD1: Optional CD_JOB_UDD1.UDD1_CD(+) = Stage.UDD1_CD
JOB_UDD2_KEY		Join to CD_JOB_UDD2: Optional CD_JOB_UDD2.UDD2_CD(+) = Stage.UDD2_CD
FEEDER_KEY		Join to CD_FEEDER: Optional CD_FEEDER.SRC_FEEDER_CLS(+) = Stage.SRC_FEEDER_CLS and CD_FEEDER.SRC_FEEDER_IDX(+) = Stage.SRC_FEEDER_IDX
SW_PLAN_KEY		Join to CD_SW_PLAN: Optional CD_SW_PLAN.SRC_SW_PLAN_CLS(+) = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX(+) = Stage.SRC_SW_PLAN_IDX

Column	OBIEE Field	Load
STORM_KEY		Join to CD_STORM: Optional CD_STORM.SRC_STORM_NAME(+) = Stage.SRC_STORM_NAME and CD_STORM.SRC_STORM_NAME_SFX(+) = Stage.SRC_STORM_NAME_SFX
STORM_OUTAGE_TYPE_KEY		Join to CD_STORM_OUTAGE_TYPE: Optional CD_STORM_OUTAGE_TYPE.SRC_OUTAGE_TYPE(+) = Stage.SRC_OUTAGE_TYPE
PARENT_EVENT_KEY		Join to CD_EVENT: Optional CD_EVENT.SRC_NBR(+) = Stage.PARENT_SRC_NBR
	Average Outage Duration (in Minutes)	AVG(OUTG_DURATION)
	Est Rst Time	Date and Time of the Estimated Restoration, calculated based on CD_DATE.CAL_DT and CD_TIME.HOUR, MINUTE and SECOND using the EST_RST_DATE_KEY and EST_RST_TIME_KEY
	Average Difference Between ERT and Restore Time	AVG(Restore Time - Est Rst Time) * 1440

Switch Plan Fact <CF_SW_PLAN>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Distribution Analytics

Fields

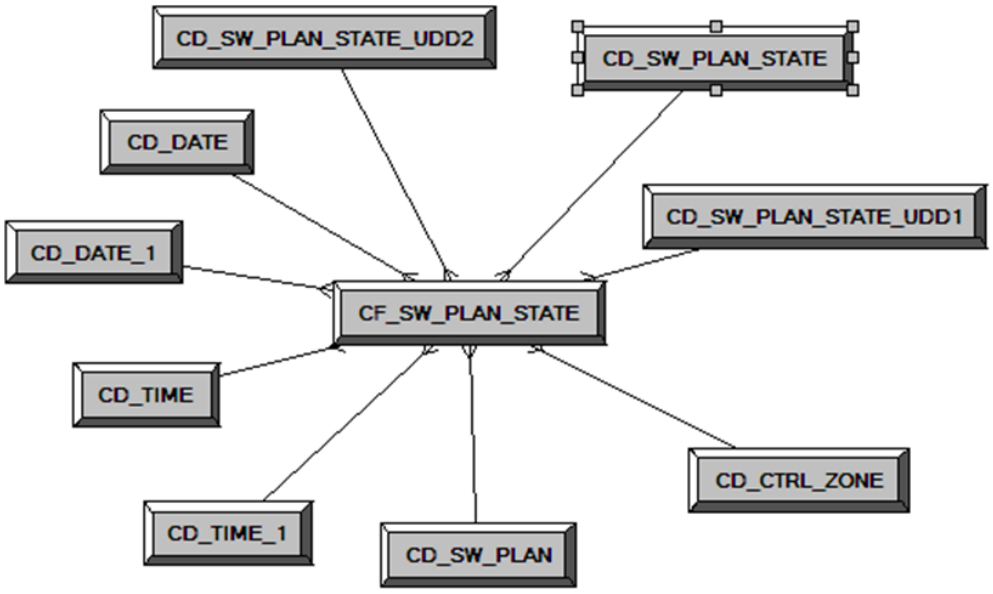
Column	OBIEE Field	Load
SW_PLAN_F_KEY		SPL_SW_PLAN_F_SEQ.NEXTVAL
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR		B1_ETL_JOB_CTRL.JOB_NBR
SRC_SW_PLAN_CLS	Switch Plan Class	Stage: SRC_SW_PLAN_CLS
SRC_SW_PLAN_IDX	Switch Plan Index	Stage: SRC_SW_PLAN_IDX

Column	OBIEE Field	Load
SW_PLAN_KEY		Join to CD_SW_PLAN: Required CD_SW_PLAN.SRC_SW_PLAN_CLS = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX = Stage.SRC_SW_PLAN_IDX
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_NCG_ID
SW_PLAN_STATE_KEY		Join to CD_SW_PLAN_STATE: Required CD_SW_PLAN_STATE.SRC_STATE_KEY = Stage.SRC_STATE_KEY
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE
BEGIN_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME
BEGIN_DTTM	Begin Date Time	Stage: BEGIN_DTTM
END_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.END_DATE
END_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.END_TIME
END_DTTM	End Date/Time	Stage: END_DTTM
USER_KEY1		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD1
USER_KEY2		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD2
USER_KEY3		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD3
USER_KEY4		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD4

Column	OBIEE Field	Load
USER_KEY5		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD5
USER_KEY6		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD6
USER_KEY7		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD7
USER_KEY8		Join to CD_USER: Optional CD_USER.USER_CD(+) = Stage.USER_CD8
SW_PLAN_UDD1_KEY		Join to CD_SW_PLAN_UDD1: Optional CD_SW_PLAN_UDD1.UDD1_CD(+) = Stage.UDD1_CD
SW_PLAN_UDD2_KEY		Join to CD_SW_PLAN_UDD2: Optional CD_SW_PLAN_UDD2.UDD2_CD(+) = Stage.UDD2_CD
DURATION	Duration	Stage: DURATION
NBR_OF_STEPS	Number of Steps	Stage: NBR_OF_STEPS
NBR_OF_FAILED_STEPS	Number of failed steps	Stage: NBR_OF_FAILED_STEPS
NBR_OF_ABORTED_STEPS	Number of aborted steps	Stage: NBR_OF_ABORTED_STEPS
NBR_OF_SAFETY_DOCS	Number of safety documents	Stage: NBR_OF_SAFETY_DOCS
FACT_CNT	Count	1
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
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3

Switch Plan State Fact <CF_SW_PLAN_STATE>

Entity Relationship Diagram



Properties

Property	Value
Table Type	Fact
Fact Type	Transaction
Default Analytic	Distribution Analytics

Fields

Column	OBIEE Field	Load
SW_PLAN_STATE_F_KEY		SPL_SW_PLAN_STATE_F_SEQ.NEXTVAL
DATA_SOURCE_IND		Stage: DATA_SOURCE_IND
JOB_NBR	Job Number	B1_ETL_JOB_CTRL.JOB_NBR
SRC_LOG_ENTRY	Switch Plan Log Entry ID	Stage: SRC_LOG_ENTRY
SW_PLAN_KEY		Join to CD_SW_PLAN: Required CD_SW_PLAN.SRC_SW_PLAN_CLS = Stage.SRC_SW_PLAN_CLS and CD_SW_PLAN.SRC_SW_PLAN_IDX = Stage.SRC_SW_PLAN_IDX

Column	OBIEE Field	Load
CTRL_ZONE_KEY		Join to CD_CTRL_ZONE: Required CD_CTRL_ZONE.SRC_NCG_ID = Stage.SRC_NCG_ID
SW_PLAN_STATE_KEY		Join to CD_SW_PLAN_STATE: Required CD_SW_PLAN_STATE.SRC_STATE_KEY = Stage.SRC_STATE_KEY
BEGIN_DATE_KEY		Join to CD_DATE: Required CD_DATE.CAL_DT = Stage.BEGIN_DATE
BEGIN_TIME_KEY		Join to CD_TIME: Required CD_TIME.SRC_TIME = Stage.BEGIN_TIME
BEGIN_DTTM	Begin Date Time	Stage: BEGIN_DTTM
END_DATE_KEY		Join to CD_DATE: Optional CD_DATE.CAL_DT(+) = Stage.END_DATE
END_TIME_KEY		Join to CD_TIME: Optional CD_TIME.SRC_TIME(+) = Stage.END_TIME
END_DTTM	End Date/Time	Stage: END_DTTM
SW_PLAN_STATE_UDD1_KEY		Join to CD_SW_PLAN_STATE_UDD1: Optional CD_SW_PLAN_STATE_UDD1.UDD1_CD(+) = Stage.UDD1_CD
SW_PLAN_STATE_UDD2_KEY		Join to CD_SW_PLAN_STATE_UDD2: Optional CD_SW_PLAN_STATE_UDD2.UDD2_CD(+) = Stage.UDD2_CD
STATE_DURATION	Duration of the Switch Plan State	Stage: STATE_DURATION
FACT_CNT	Number of Switch Plan State Changes	1
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

Column	OBIEE Field	Load
UDM5	User Defined Measure 5	Stage: UDM5
UDDGEN1	User Defined Degenerate Dimension 1	Stage: UDDGEN1
UDDGEN2	User Defined Degenerate Dimension 2	Stage: UDDGEN2
UDDGEN3	User Defined Degenerate Dimension 3	Stage: UDDGEN3

Chapter 3

Configuring Oracle Utilities Network Management System

To enable proper data extracts for Oracle Utilities Extractors and Schema, certain parameters need to be defined in the Oracle Utilities Network Management System application. This chapter provides information on the steps to be taken to enable this configuration.

- **Configuring NMS**
- **NMS BI Extractor Overview**
- **Installing NMS BI Extractors**
- **Importing NMS Extract Files**

Configuring NMS

This section describes the necessary configuration of environment variables in Oracle Utilities Network Management System for running the BI extractors.

CES_PARAMETERS

BI version 2.4.0 introduced schema changes that is handled in Oracle Utilities Network Management System by setting a BI version attribute in the CES_PARAMETERS database table. The attribute, **`BI_VERSION`**, is populated with an app of '`NMS`' and the BI version value.

For BI version 2.4.0 or any later versions, the *<project>*`_parameters.sql`file would need the following `INSERT` statement:

```
INSERT INTO CES_PARAMETERS (APP, ATTRIB, VALUE) VALUES
  ('NMS',
   'BI_VERSION',
   '2.4');
```

If the `BI_VERSION` being used is prior to version 2.4.0, `BI_VERSION` is not set in the *<project>*`_parameters.sql` file, and Oracle Utilities Network Management System defaults to BI 2.2.

Environment Variables

If extracting from multiple NMS instances into a common BI environment, edit the `.nmsrc` to uncomment the export line for `CES_BI_DATA_SOURCE` by removing the leading `#`:

```
export CES_BI_DATA_SOURCE=4
```

The default value is 4.

NMS BI Extractor Overview

This section explains the extractor scripts, which should be configured to run in scheduled cron jobs. Each of these scripts creates a set of extract files, which are direct queries from Oracle Utilities Network Management System database views. The mapping of these views to BI database tables is documented with Oracle database comments. They can be accessed by performing the following query in the Oracle Utilities Network Management System database:

```
SELECT * FROM user_tab_comments WHERE table_name LIKE '%MODIFY_V' AND
comments IS NOT NULL;
```

bi_common_extractor

This script extracts the model-related information, such as devices and control zones. It is designed to be run daily, after model changes.

bi_event_extractor

This script extracts the information related to completed outages and calls. It is designed to be run daily.

bi_customer_extractor

This script extracts the customer information. It is designed to be run daily, after the customer data changes.

bi_feeder_extractor

This script extracts the feeder load information. It is designed to be run hourly to report average hourly loads.

bi_switch_extractor

This script extracts the planned switching information. It is designed to be run daily to report the switching activity.

nrt_extractor

This script extracts current outage, call, and storm information. It is designed to be run 3 to 4 times an hour, throughout the day.

Notes about Extractors

These scripts create extract *.dat* and *.ctl* files in bi_extract_dir database directory; the default is $HOME/extract unless NMS_BI_DIRECTORY environment variable is set. These files will be read by the Oracle Utilities Extractors and Schema import process.

Each script generates a log file named, for example, bi_common_extractor.log, which lists any errors.

The bi_feeder_extractor should not be run more frequently than once an hour, and the nrt_extractor can be scheduled to run every 15 minutes. The order that these two extractors run does not matter. To schedule the daily extracts, bi_common_extractor, bi_event_extractor, bi_switch_extractor, and bi_customer_extractor should run in the following order:

1. bi_event_extractor
2. bi_switch_extractor
3. bi_common_extractor
4. bi_customer_extractor

Installing NMS BI Extractors

To install the Oracle Utilities Network Management System BI extractors:

1. Run the install_business_intelligence script.
2. Run the refresh_business_intelligence script for any subsequent configuration and schema changes.

   This script generates a log file, create_bi_extractors.log, which lists any errors.

Importing NMS Extract Files

The extract files created by running the Oracle Utilities Network Management System extractors must be moved to the directory specified in the EditFP.tcl script that is executed when Oracle Utilities Extractors and Schema is installed. There are various mechanisms that a System Administrator can use to copy these files, including FTP scripts and Cross Mounting hard drives. However, Oracle does not provide any scripts to copy extract files, so a customer is responsible for putting these in place.

Once the extract files have been copied to the appropriate import directory, the Oracle Utilities Network Management System the dimension and fact load jobs need to be run. For more information on scheduling the work flows, see **Appendix** on Oracle Warehouse Builder in the *Oracle Utilities Analytics Administration Guide for Oracle Utilities Extractors and Schema and Oracle Utilities Analytics Dashboards.*

After importing the data, the Oracle Utilities Network Management System zones and portals that a customer has created can be opened or refreshed to view the Oracle Utilities Network Management System data in Oracle Utilities Analytics.

To import from the extracted files using a function call in sqlplus:

1. Install the Function NMS_EXEC_WF_FNC to Execute Process Flows from SQLPLUS.
   - For 10g, install the script nms_exec_wf_fnc_10.sql.

   ```
   sqlplus birepownuser/birepownpasswd@birepown_instance
   < nms_exec_wf_fnc_10.sql > nms_exec_wf_fnc_10.sql.log
   ```

   - For 11g, install the script nms_exec_wf_fnc_11.sql.

   ```
   sqlplus birepownuser/birepownpasswd@birepown_instance
   < nms_exec_wf_fnc_11.sql > nms_exec_wf_fnc_11.sql.log
   ```

2. Ensure the following environment variables are set:
   - BIREPOWN_USER - BI Repository User
   - BIREPOWN_PASSWD - BI Repository Password
   - BIREPOWN_INSTANCE - SQL*Net connection to the BI Repository Database

3. Run the import into DWADM schema from the extracted files. For the daily extracts, set the following scripts to run on schedule after the entire daily extract has run, in the following order:

    a. bi_customer_import - call this script after the bi_customer_extractor runs.

    b. bi_common_import - call this script after the bi_common_extractor runs.

    c. bi_switch_import - call this script after the bi_switch_extractor runs.

    d. bi_event_import - call this script after the bi_event_extractor runs.

    For the other two extracts, set the import to run after the extract has taken place:

    - bi_feeder_import - call this script after the bi_feeder_extractor runs.
    - bi_nrt_import - call this script after the nrt_extractor runs.