Oracle® Airlines Data Model

Reference

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Contents

7 Oracle Airlines Data Model OLAP Model Dimensions

8 Oracle Airlines Data Model OLAP Model Cubes

9 Oracle Airlines Data Model Data Mining Models

List of Figures

List of Tables

Preface

Oracle Airlines Data Model Reference describes the data model structures for Oracle Airlines Data Model. Because the needs of each Oracle Airlines Data Model environment are unique, Oracle Airlines Data Model can be configured so it can be modified to address each customer's needs.

Audience

The audience for *Oracle Airlines Data Model Reference* includes the following:

- IT specialists, who maintain and adjust Oracle Airlines Data Model. They are assumed to have a strong foundation in Oracle Database, PL/SQL, Analytic Workspace Manager (AWM), and Oracle Business Intelligence Suite Extended Edition.
- Database administrators, who administer the data warehouse and the database objects that store the data. They are assumed to understand the Intra-ETL, which is used to transfer data from one format to another, as well as PL/SQL, and Oracle Database.
- Business analysts, including information and data analysts, market analysts, and sales analysts.

This guide is also intended for data modelers, data warehouse administrators, IT staff, and ETL developers.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Related Documents

For more information about Oracle Airlines Data Model, see the following documents:

- *Oracle Airlines Data Model Installation Guide*
- *Oracle Airlines Data Model Implementation and Operations Guide*
- *Oracle Airlines Data Model Release Notes*

Conventions

The following text conventions are used in this guide:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Part I
Logical and Physical Data Model

Provides introductory information and details for the Oracle Airlines Data Model Logical and Physical Data model.

1

Introducing Oracle Airlines Data Model

This chapter introduces Oracle Airlines Data Model.

1.1 What is Oracle Airlines Data Model?

Oracle Airlines Data Model is a standards-based, pre-built approach to airline data warehousing enabling an airline to realize the power of insight more quickly. Oracle Airlines Data Model reduces costs for both immediate and on-going operations by leveraging out-of-box Oracle based data warehouse and business intelligence solutions, making world-class database and business intelligence technology solutions available with an airline business specific data model.

Oracle Airlines Data Model offers a single-vendor solution package that is tightly integrated with the business intelligence platform. With pre-built data mining, Oracle On-Line Analytical Processing (Oracle OLAP), Oracle Airlines Data Model provides you with industry-specific metrics and insights that you can act on immediately to improve your bottom line.

Oracle Airlines Data Model can be used in any application environment and is easily extendable.

Oracle Airlines Data Model, combined with Oracle technology provides all of the components required for a complete and extendable Airlines data warehouse and business intelligence framework to eliminate complex and costly integration requirements, all designed to reduce your total cost of ownership.

1.2 What Are the Benefits of Using Oracle Airlines Data Model?

With Oracle Airlines Data Model, you can jump-start the design and implementation of an airline data warehouse to quickly achieve a positive ROI for your data warehousing and business intelligence project with a predictable implementation effort.

Oracle Airlines Data Model provides the following features:

- **Query and Reporting for Information**: provides extraction of detailed and summary data.
- **OLAP for Data Analysis**: provides summaries, trends, and forecasts.

- **Data Mining for Insight and Prediction**: provides knowledge discovery of hidden patterns and insights.

Oracle Airlines Data Model provides an off-the-shelf data warehouse framework that is both adaptable and extendable. Alignment with Airline industry standards ensures interoperability with other systems. The pre-built, pre-tuned data model with intelligent insight into detailed airline and market data, allows you to quickly gain value from your data warehousing effort, supports diverse analytical requirements, and assists in building future analytical applications. Fast, easy, and predictable implementation reduces risks and enables you to achieve strategic value more rapidly by eliminating deployment delays and expenses associated with built-from-scratch or proprietary data warehouse solutions.

1.3 What Are the Components of Oracle Airlines Data Model?

Oracle Airlines Data Model includes the following components:

- Logical Model: describes the logical data model.
- Physical Model: describes the physical data model, the logical to physical mapping, and the partitioning strategy for the Oracle Airlines Data Model physical base, derived, and aggregate tables.
- Intra-ETL scripts to extract, transform, and load (ETL) data from one layer of Oracle Airlines Data Model to another.
- OLAP Models for Oracle Airlines Data Model.
- Pre-defined Data Mining Models.
- Sample reports and sample dashboards shows sample reports.

1.4 Oracle Products That Make Up Oracle Airlines Data Model

Describes the Oracle technologies that are involved in building the infrastructure for Airline business intelligence.

Oracle Database with OLAP, Advanced Analytics and Partitioning Options

Oracle Airlines Data Model utilizes a complete Oracle technical stack. It leverages the following data warehousing features of the Oracle database: SQL model:

- Compression
- Partitioning
- Data mining
- Online Analytical Processing (OLAP)

Oracle Development Tools

The following table shows the tools you use to customize the predefined physical models provided with Oracle Airlines Data Model, or to populate the target relational tables and OLAP cubes.

Table 1-1 Oracle Development Tools Used with Oracle Airlines Data Model

Name	Use
SQL Developer or SQL*Plus	To create or modify database objects
Analytic Workspace Manager	To populate the target OLAP cubes

Oracle Business Intelligence Suite Extended Edition Presentation Tools

Oracle Business Intelligence Suite Extended Edition is a comprehensive suite of enterprise business intelligence products that delivers a full range of analysis and reporting capabilities. You can use Oracle Business Intelligence Suite Extended Edition Answers and Dashboard presentation tools to customize the predefined sample dashboard reports that are provided with Oracle Airlines Data Model.

2
Logical Data Model

Defines the business entities and their relationships and provides descriptions of the business and data requirements for the Oracle Airlines Data Model data warehouse.

- Reference Entities (page 2-2)
  Reference Entities define the entities within, and associated with the airline organization for which data is recorded and analyzed. Reference entities help define the structure of the organization.
- Lookup Entities (page 2-9)
  Lookup entities describe the relatively static or descriptive data in the data warehouse. Lookup entities define the descriptions for frequently used attributes. Using lookup entities saves space, as the referring fact table holds only a small key or code and foreign key, and Oracle Airlines Data Model stores the space consuming description in a lookup table and does not repeat the description in each transaction row in which it is referenced.
- Base Entities (page 2-10)
  Base entities define atomic level transaction data. Data in the base tables support the derived and aggregate layers, and act as a source for Data Mining and for other advanced analysis.
- Derived Entities (page 2-14)
  Provides a list of the derived entities.
- Aggregate Entities (page 2-14)
  Aggregate entities hold data rolled up from the Base or Derived entities at different levels across different dimensional hierarchies.
- Logical Data Model Entity Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

See Also:

The figures showing complete diagrams with attributes and entities are available with the Oracle Airlines Data Model IP Patch. The IP Patch includes additional documentation. For information on obtaining the IP Patch, see the *Oracle Airlines Data Model Release Notes* and for the latest information about Oracle Airlines Data Model patch sets, go to My Oracle Support at `https://support.oracle.com`.

2.1 Reference Entities

Reference Entities define the entities within, and associated with the airline organization for which data is recorded and analyzed. Reference entities help define the structure of the organization.

Reference Entity List

ACCOUNT
ADDRESS LOCATION
ADDRESS LOCATION STATUS HISTORY
ADDRESS RELATED
AGENCY
ALTERNATIVE ITEMS
AIRCRAFT
AIRCRAFT TYPE
AIRCRAFT VERSION
AIRCRAFT VERSION
AIRPORT
AIRPORT
BASE DAY
BOOKING CLASS
BOOKING CLASS TYPE
HOTEL BOOKING CUSTOMER REFERENCE
BOOKING OFFICE
BOOKING OFFICE
BOOKING OFFICE USER
BOOKING PASSENGER
BOOKING PASSENGER
BOOKING PASSENGER DOCUMENT INFORMATION
BOOKING PRODUCT
BOOKING PRODUCT DETAIL
BOOKING SEAT
BOOKING SEAT PREFERENCE
BOOKING SERIES
HOTEL BOOKING SAVING AMOUNT
BOOKING TST
BLACK LIST HISTORY
BANK
BANK CARD
BUSINESS HALF MONTH
BUSINESS HALF YEAR
BUSINESS MONTH
BUSINESS QUARTER
BUSINESS UNIT JOB ROLE
BUSINESS UNIT SHIFT
BUSINESS YEAR
CALL CENTER
CALL CENTER AGENT
CALL CENTER SERVICE CAPABILITY
CAR PRODUCT
CAR RENTAL MODEL
CARRIER
CARRIER

CARRIER TYPE
CODESHARE
CHECKIN BAGGAGE GROUP
CHECKIN INDIVIDUAL BAGGAGE
CHANNEL
CALENDAR
CALENDAR HALF MONTH
CALENDAR HALF YEAR
CALENDAR MONTH
CALENDAR QUARTER
CALENDAR WEEK
CALENDAR YEAR
CAMPAIGN
CAMPAIGN MEDIA SELLING ITEM
CAMPAIGN MANAGEMENT HISTORY
CAMPAIGN MESSAGE
COMPETITOR
COMPETITOR INTELLIGENCE
COMPETITOR INTELLIGENCE PARTY ROLE
COMPETITOR MARKET SEGMENT ASSIGNMENT
COMPETITOR MARKET SEGMENT SWOT
COMPETITOR PRODUCT CORRELATION
COMPETITOR SWOT
COMPETITOR TIER ASSIGNMENT
COMPETITIVE TIER
COUNTERS
COMP INTEL CHARACTERISTIC
COMP INTEL CHARACTERISTIC VALUE
COMP INTEL MARKET SEGMENT
COMP PROD CRRL CHARACTERISTIC ASSIGNMENT
COMP PROD CRRL CHARACTERISTIC VALUE
CREDIT SCORE PROVIDER
CORPORATE CUSTOMER
CERTIFICATE
COST CENTER
CUSTOMER
CUSTOMER INDIVIDUAL
CUSTOMER OCCASION
CUSTOMER ORGANIZATION
CUSTOMER RESTRICTED INFO
CUSTOMER REVENUE BAND ASSIGNMENT
CUSTOMER SCORE
CUSTOMER SEGMENT
CUSTOMER SEGMENTATION MODEL
CUSTOMER SOURCE
DAY
DEMOGRAPHY ATTRIBUTE
DEMOGRAPHY GROUP
DEPARTMENT
DISCOUNT GROUP
DEALER
DOCUMENT
DERIVED VALUE
EDUCATION
EMAIL ADDRESS

EMPLOYEE
EMPLOYEE DISCOUNT GROUP ASSIGNMENT
EMPLOYEE JOB ROLE ASSIGNMENT
EMPLOYEE LANGUAGE CAPABILITY
EMPLOYEE RESTRICTED INFO
EMPLOYEE SCHEDULE
EXTERNAL CREDIT PROFILE
EXTERNAL CREDIT PROFILE ASSIGNMENT
FARE ELEMENT
FARE TYPE
FLEET_HEADERS
FLIGHT
FLIGHT
FLIGHT INVENTORY
FLIGHT INVENTORY NUMBER OF UNITS
FLIGHT INVENTORY OPERATIONS
FLIGHT INVENTORY SCHEDULE ASSIGNMENT
FLIGHT INVENTORY STATUS
FLIGHT LEG INVENTORY
FLIGHT LEG INVENTORY CABIN
FLIGHT LEG INVENTORY CABIN ACV CONFIG
FLIGHT LEG INVENTORY CABIN BLOCKSPACE
FLIGHT LEG INVENTORY CABIN RMS
FLIGHT LEG INVENTORY CABIN SALECONFIG
FLIGHT LEG INVENTORY SSR
FLIGHT LEG INVENTORY SSR OPTION
FLIGHT LEG INVENTORY STATUS
FLIGHT LEG INVENTORY CABIN SALECONFIG CHARACTERISTIC
FLIGHT SEGMENT INVENTORY
FLIGHT SEGMENT INVENTORY CABIN
FLIGHT SEGMENT INVENTORY CABIN CODESHARE
FLIGHT SEGMENT INVENTORY CODESHARE
FLIGHT SEGMENT INVENTORY STATUS
FLIGHT SEGMENT INVENTORY TRAFFIC RESTRICTION
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE BOARDINGFIGURES DCS
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE DCS
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS FLAG
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS YIELD
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS STATUS
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS NEGO
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE DCS
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS COUNTERS
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS DATEFLAG
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS AVAILABILITY
FLIGHT SEGMENT INVENTORY CABIN BOARDING FIGURES DCS
FLIGHT SEGMENT INVENTORY CABIN CODESHARE BLOCKSPACE COUNTER
FORM OF PAYMENT
FREQUENT FLYER
FREQUENT FLYER
FREQUENT FLYER PREFERENCE
FISCAL HALF MONTH
FISCAL HALF YEAR
FISCAL MONTH
FISCAL QUARTER

FISCAL WEEK
FISCAL YEAR
GEOGRAPHY
GEOGRAPHY DEMOGRAPHY ATTRIBUTES
GEOGRAPHY DEMOGRAPHIC GROUP
GEOGRAPHY DEMOGRAPHY VALUE
GEOGRAPHY ENTITY
GEOGRAPHY HIERARCHY
GEOGRAPHY HIERARCHY LEVEL
GEOGRAPHY HIERARCHY LEVEL ASSIGNMENT
GEOGRAPHY HIERARCHY VERSION
GEOGRAPHY LEVEL
GEOGRAPHY LEVEL ATTRIBUTES
GEOGRAPHY LEVEL ATTRIBUTE VALUE
GENDER
HALF HOUR
HALF MONTH TODATE TRANSFORMATION
HALF MONTH TRANSFORMATION
HALF YEAR TODATE TRANSFORMATION
HALF YEAR TRANSFORMATION
HOUR
HOUSEHOLD
HOTEL BOOKING
HOTEL BOOKING BILLABLE INFO
HOTEL BOOKING CONTACT
HOTEL BOOKING FORM OF PAYMENT
HOTEL BOOKING MISC REMARKS
HOTEL BOOKING OPTION TEXT
HOTEL BOOKING STATUS
HOTEL FACILITY
HOTEL PRODUCT
HOTEL PRODUCT AMENITY
HOTEL PAYMENT
HOTEL ROOM
HOTEL TARIFF
HOTEL TARIFF CHARGE
INDIVIDUAL DEMOGRAPHY VALUE
INDIVIDUAL NAME
INFLIGHT MEAL
INTERACTION RESULT
INTERACTION REASON
ITEM
ITEM SEASON
JOB
JOB ROLE
LANGUAGE DIALECT
LOCAL TAX AUTHORITY
LEG
LOT_NUMBERS
LOYALTY ACCOUNT
LOYALTY LEVEL
LOYALTY PROGRAM
MEMBERSHIP ACCOUNT
MEDIA OBJECT
MEL

MFG_PART_NUMBERS
MISCELLANEOUS REMARKS
MARKET AREA
MARKET AREA
MARKET AREA LEVEL
MARKET SEGMENT
MARKET SEGMENT CHARACTERISTIC
MARKET SEGMENT CHARACTERISTIC VALUE
MARKET STATISTICS
MARKET STATISTIC INCLUSION
MONTH TODATE TRANSFORMATION
MONTH TRANSFORMATION
MR_EFFECTIVITY_DTLS
MRO RESOURCE
MASTER CONFIGURATION HEADER
MTL_MANUFACTURERS
ODT ACCOUNT
OPTION
ORGANIZATION
ORGANIZATION AREA
ORGANIZATION BANNER
ORGANIZATION BUSINESS ENTITY
ORGANIZATION BUSINESS UNIT
ORGANIZATION CHAIN
ORGANIZATION COMPANY
ORGANIZATION CORPORATE
ORGANIZATION DISTRICT
ORGANIZATION HIERARCHY
ORGANIZATION HIERARCHY LEVEL
ORGANIZATION HIERARCHY LEVEL ASSIGNMENT
ORGANIZATION HIERARCHY VERSION
ORGANIZATION LEVEL
ORGANIZATION LEVEL ATTRIBUTES
ORGANIZATION LEVEL ATTRIBUTES VALUE
ORGANIZATION MARKET DATA
ORGANIZATION NAME
ORGANIZATION REGION
ORGANIZATION SERVICE WEBSITE
ORGANIZATION WAREHOUSE
ORGANIZATIONAL DEMOGRAPHY VALUE
OTHER INDIVIDUAL
PART LOCATIONS
PASSPORT
PASSENGER CONTACT
PAX COUPON DATA
PAX INVOICE HEADER
PDI CHANNEL
PDI CHANNEL
PDI CHARACTERISTIC
PHASE
PLANNING QUARTER
PLANNING SEASON
PLANNING WEEK
PLANNING YEAR
PNR

PNR
PNR TYPE
POS DEPARTMENT
POS IDENTITY
POSTCODE
PRICE DERIVATION RULE
PREFERENCE TYPE
PROFILE SOURCE
PROMOTION
PROMOTION ITEM
PROMOTION MESSAGE RENDERING
PROMOTION PRODUCT OFFERING ASSIGNMENT
PROMOTION SELLING ITEM
PRODUCT ENTITY
PRODUCT OFFERING
PROSPECT
PROSPECT INDIVIDUAL
PROSPECT ORGANIZATION
PARTNER PROMOTION PROGRAM
PARTY
PARTY ACCOUNT ASSIGNMENT
PARTY ADDRESS LOCATION ASSIGNMENT
PARTY ASSIGNMENT
PARTY CONTACT INFORMATION
PARTY CONTACT LIST PARTICIPATION
PARTY DEMOGRAPHIC
PARTY DEMOGRAPHY VALUE
PARTY GEOGRAPHY ENTITY ASSIGNMENT
PARTY IDENTIFICATION
PARTY INTERACTION ITEM STATUS
PARTY LANGUAGE CAPABILITY
PARTY NAME
PARTY ROLE
PARTY ROLE ASSIGNMENT
PARTY SKILL
PARTY STATUS
PARTY STATUS
QUALITY PLANS
QUARTER TO DATE TRANSFORMATION
QUARTER TRANSFORMATION
ROLES HIERARCHY
RELIGION
ROUTEPAIRS
ROUTES
REPAIR_CATEGORIES
RETAIL SEASON
RETAIL STORE
SECOND
SEGMENT CRITERIA
SEGMENT DIM
SEGMENT PAIR DIM
SKU ITEM
SALES CHANNEL
SALES CHANNEL REPRESENTATIVE
SALES FORECAST ITEM ORG HIERARCHY WEEK

SALE OR RETURN ACTION
SALES PLAN ITEM ORG HIERARCHY WEEK
SALES RESTRICTION
SELLING LOCATION
SOC JOB
SOURCE SYSTEM
SOURCE SYSTEM KEY MAPPING
SERVICE
SERVICE COVERAGE AREA
SERVICE COVERAGE GEO DETAIL
SERVICE
SSR
SUPPLIER
TAXABLE GROUP
TIME DIM
TIME STANDARD BY DAY
TIME STANDARD BY WEEK
TIME TOTAL
TIME ZONE
TRAFFIC CATEGORY
TRAFFIC CATEGORY
TARGET ACCESS METHOD
TARGET ACCOUNT
TARGET GEOGRAPHY AREA
TERMINAL
TASK ASSIGNMENT
TSM EXCESS BAGGAGE
TSM MCO
TSM PASSENGER
TSM PRICE
TSM ROUTE
TSM SERVICE
UNIT_ACCOMPLISHMNTS
UNIT CONFIGURATION HEADER
UNIT CONFIGURATION HISTORY
UNIT_DEFERRALS
UNIT MAINTENANCE PLAN
UNIT MAINTENANCE PLAN COUNTER HISTORY
UNIT MAINTENANCE PLAN THRESHOLD RULE
USER
VEHICLE
VIRTUAL TEAM
WEEK TODATE TRANSFORMATION
WEEK TRANSFORMATION
WEEKDAY
WORK ORDER OPERATION
WARRANTY_ENTITLEMENTS

Related Topics

- Logical to Physical Mappings for Oracle Airlines Data Model (page 4-1)
  Provides a table listing the Oracle Airlines Data Model entities in the logical data model, and the physical database tables or views to which the logical entities have been implemented or "physicalized".

- Logical Data Model Entity Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

2.2 Lookup Entities

Lookup entities describe the relatively static or descriptive data in the data warehouse. Lookup entities define the descriptions for frequently used attributes. Using lookup entities saves space, as the referring fact table holds only a small key or code and foreign key, and Oracle Airlines Data Model stores the space consuming description in a lookup table and does not repeat the description in each transaction row in which it is referenced.

Lookup Entity List

ACCOUNT LEVEL
ACCOUNT TRANSFER REASON
ACCOUNT TYPE
ADDRESS TYPE
AMOUNT TYPE
ATA CHAPTER
BOOKING PRODUCT TYPE
BOOKING STATUS CHANGE REASON
BANK CARD TYPE
BANNING REASON
BUSINESS LEGAL STATUS
COMPENSATORY REASON
CAMPAIGN STATUS
CAMPAIGN TYPE
COMPLAIN CLASS
COMPLAIN TYPE
CURRENCY
CUSTOMER OCCASION TYPE
CUSTOMER REVENUE BAND
CUSTOMER REVENUE TYPE
CUSTOMER TYPE
DELAY CAUSE
EMPLOYEE DESIGNATION
EMPLOYEE TYPE
EXTERNAL ORGANIZATION TYPE
FLEET
FLIGHT CANCELLATION REASON
FLIGHT INVENTORY OPERATION TYPE
INITIATIVE RESULT TYPE
INITIATIVE TYPE
LANGUAGE
LOCAL AUTHORITY TYPE
LEG TYPE
LETTER TYPE
MEL ATTRIBUTE
MARITAL STATUS
NATIONALITY
ORGANIZATION BUSINESS UNIT TYPE
PROMOTION TYPE
PARTY CONTACT INFORMATION TYPE
PARTY IDENTIFICATION TYPE

PARTY STATUS CHANGE REASON
PARTY STATUS TYPE
PARTY TYPE
RECTAFICATION INTERVAL
REVENUE COST ELEMENT
REVENUE COST ELEMENT CATEGORY
REVENUE COST ELEMENT GROUP
SEASON
SKILL TYPE
SELLING LOCATION TYPE
SWOT TYPE
TARGET TYPE
TRANSACTION TYPE
VALUE TYPE

Related Topics

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  Lists the logical data model entities, in an alphabetical order.

2.3 Base Entities

Base entities define atomic level transaction data. Data in the base tables support the derived and aggregate layers, and act as a source for Data Mining and for other advanced analysis.

Base Entity List

ACCOUNT LEVEL HISTORY
ACCOUNT PAYMENT
ACCOUNT TRANSFER
AIRCRAFT DISPATCH
AIRCRAFT TURN AROUND
ASSET_DATA_DRAFT
AWARD VOUCHER
BOOKING
BOOKING AGENT OPT LINE
BOOKING BILLING
BOOKING CAMPAIGN ASSIGNMENT
BOOKING OTHER SERVICE
BOOKING REMARK
BOOKING SSR
BOOKING SSR BRDG
BOOKING STATUS CHANGE HISTORY
BOOKING TST
BOOKING TST FARE DATA
BOOKING TST PFC TAX AMOUNT
BOOKING TST PRICE
BOOKING TST SEGMENT
BOOKING TST TAX
BILLING ANALYSIS HEADER

BILLING ANALYSIS TOTALS CURRENCY
BILLING OFFICE HEADER
BILLING OFFICE SUBTOTALS TRANSACTION CURRENCY
BILLING OFFICE TOTALS CURRENCY
BILLING TRANSACTION AGENCY AIRLINE INFO
BILLING TRANSACTION COMPLETE FORM OF PAYMENT
BILLING TRANSACTION COMPLETE TICKET DOCUMENT
BILLING TRANSACTION COUPON ADDITIONAL PRINT LINES
BILLING TRANSACTION DOCUMENT AMOUNTS
BILLING TRANSACTION ELECTRONIC TRANSACTION
BILLING TRANSACTION EMD COUPON DETAIL
BILLING TRANSACTION EMD REMARKS
BILLING TRANSACTION FARE CALCULATION
BILLING TRANSACTION FILE TOTALS CURRENCY
BILLING TRANSACTION FORM OF PAYMENT
BILLING TRANSACTION HEADER
BILLING TRANSACTION MD ADDITIONAL INFO
BILLING TRANSACTION MD INFO AMOUNT
BILLING TRANSACTION MD ISSUANCE REASON
BILLING TRANSACTION NETTING VALUES
BILLING TRANSACTION PAYMENT AUTHORIZATION
BILLING TRANSACTION RELATED TICKET
BILLING TRANSACTION TICKET
BILLING TRANSACTION TICKET AMOUNT
BILLING TRANSACTION TICKET COMMISSION
BILLING TRANSACTION TICKET FORM OF PAYMENT
BILLING TRANSACTION TICKET PASSENGER
BILLING TRANSACTION TICKET TAX ON COMMISSION
BILLING TRANSACTION TICKET VAT INFORMATION
BORROW_TRANSACTIONS
BILLING TRANSACTION PREPAID TICKET ADVICE SPONSOR INFORMATION
BILLING TRANSACTION TICKET ITINERARY DATA SEGMENT
BILLING TRANSACTION TICKET MISCELLANEOUS ADDITIONAL PRINT LINES
BILLING TRANSACTION TICKET QUALIFYING ISSUE INFORMATION
CAR RENTAL
CAR RENTAL ADDITIONAL RATE CODE INFO
CAR RENTAL CHARGE PERIOD
CAR RENTAL ESTIMATE DISTANCE
CAR RENTAL FOP
CAR RENTAL LOCATION
CAR RENTAL OTHER RATE RULE
CAR RENTAL OTHER RATE RULE DATE
CAR RENTAL PREFERENCE TYPE
CAR RENTAL REMARKS
CAR RENTAL SURCHARGE PERIOD
CAR RENTAL SURCHARGE PERIOD TARIFF
CAR RENTAL TARIFF
CAR RENTAL TARIFF CHARGE
CODESHARE BRIDGE
CHECKIN
COMPENSATORY EARNING
COMPLAIN ADVICE
COST
CUSTOMER ORDER
CUSTOMER ORDER LINE ITEM

DELAYS AND CANCELLATIONS
DIRECT EARNING
DISPOSITIONS
EMPLOYEE ACTUAL LABOR HOURLY
EMPLOYEE ACTUAL LABOR SALARIED
EMPLOYEE TRAINING RECORD
EARNING EVENT
EVENT
EVENT PARTY ASSIGNMENT
EVENT PARTY INTERACTION
FLEET_UNIT_ASSOCS
FLIGHT CHANGE
FLIGHT_DATA_DRAFT
FLIGHT GATE OPERATION
FLIGHT SCHEDULE
GROUPING
HOT FILE HEADER
HOTEL BOOKING COMMISSION
LEG SCHEDULE
LOG_BOOK
LOYALTY ACCOUNT BALANCE HISTORY
LOYALTY ACCOUNT LEVEL HISTORY
LOYALTY CONVERSION
LOYALTY POINTS EXPIRE
MEL_CDL_PROCEDURES
MINIMUM CONNECTING TIMES
MAINTENANCE REQUIREMENT
MAINTENANCE VISIT
MAINTENANCE VISIT TASK
MR EFFECTIVITY
MR_INTERVALS
MATERIAL TRASACTION
NON ROUTINE
OPERATION
OPERATION MATERIAL
OPERATION_RESOURCES
OUTSIDE PROCESSING ORDER
PART
PART CHANGE
PART SERIAL NUMBER
PASSENGER COUNTRY ADDRESS INFORMATION
PAX TRANSFER
PASSENGER VISA INFORMATION
PURCHASE ORDER
PDI CHANNEL
PNR GDS INFO
PNR PARENT CHILD RELATIONSHIP
PNR RELATIONSHIP
PRICE MODIFICATION LINE ITEM
PROMOTION CLUSTER USAGE
PROMOTION MANAGEMENT HISTORY
PROJECT
PROJECTS_ALL
PARTNER EARNING
PARTY COST ASSIGNMENT

PARTY INTERACTION
PARTY INTERACTION CALL
PARTY INTERACTION EMAIL
PARTY INTERACTION FAX
PARTY INTERACTION ITEM
PARTY INTERACTION LETTER
PARTY INTERACTION SMS
PARTY INTERACTION THREAD
PARTY INTERACTION VISIT
PARTY ORDER ASSIGNMENT
PARTY PROMOTION RESPONSE
PARTY STATUS HISTORY
QUALITY RESULTS
REVENUE COST TRANSACTION
RETAIL SALE RETURN LINE ITEM
RETAIL TRANSACTION
RETAIL TRANSACTION LINE ITEM
ROUTINE
SCRAP_VALUES
SEGMENT SCHEDULE
TAX LINE ITEM
TICKET
TICKET COUPON
TICKET DELIVERY ARRANGEMENT
TICKET PRICE
TICKET PRICING DISCOUNT
TICKET PRICING DOCUMENT DETAILS
TICKETING FORM OF PAYMENT
TOUR
TRACKED ITEM
TRANSFER EARNING
TASK EFFECTIVITIES
TASK LIST
TSM
TSM DOC
TSM MCO FARES
TSM MCO TAX
TSM PAYMENT
TSM RFI
TSM ROUTE
UNIT_EFFECTIVITIES
UNIT SCHEDULES
WEATHER
WORK ORDER

Related Topics

- Logical to Physical Mappings for Oracle Airlines Data Model (page 4-1)
  Provides a table listing the Oracle Airlines Data Model entities in the logical data model, and the physical database tables or views to which the logical entities have been implemented or "physicalized".
- Logical Data Model Entity Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

2.4 Derived Entities

Provides a list of the derived entities.

Derived Entity List

BOOKING FACT
CALL CENTER PERFORMANCE
CHECKIN FACT
CUSTOMER SURVEY DERIVED
FLIGHT DETAILS FACT
LOYALTY ACCOUNT BALANCE HISTORY
LOYALTY ACCOUNT LEVEL HISTORY
REVENUE COST DERIVED
TICKET FACT

Related Topics

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- Logical Data Model Entity Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

2.5 Aggregate Entities

Aggregate entities hold data rolled up from the Base or Derived entities at different levels across different dimensional hierarchies.

Aggregate Entity List

BOOKING DAILY INVENTORY SNAPSHOT
CHECKIN DAILY FACT
CODESHARE BRIDGE FACT
CUSTOMER SOURCE
CUSTOMER SURVEY AGG
DAILY BOOKING FACT
DAILY CALL CENTER PERFORMANCE
DAILY CUSTOMER SURVEY
DAILY FLIGHT DETAILS
DAILY LOYALTY ACCOUNT
DAILY LOYALTY ACCOUNT BOOKING

Related Topics

- Logical to Physical Mappings for Oracle Airlines Data Model (page 4-1)
  Provides a table listing the Oracle Airlines Data Model entities in the logical data model, and the physical database tables or views to which the logical entities have been implemented or "physicalized".
- Logical Data Model Entity Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

2.6 Logical Data Model Entity Dictionary

Lists the logical data model entities, in an alphabetical order.

Table 2-1 A to G Entity Descriptions

Entity Name	Type	Description
ACCOUNT	Reference	Specifies the account number and the cost center associated with each BOOKING
ACCOUNT LEVEL	Lookup	Lookup for the domain of account levels achievable within a LOYALTY PROGRAM. For example: • Standard • Premier • Executive Premier
ACCOUNT LEVEL HISTORY	Base	Specifies ACCOUNT LEVEL change history.
ACCOUNT PAYMENT	Base	Specifies details of each allocation of money from a receipt made by a party to a specific account. It is the receipt of a single sum of money from a party as a credit against an outstanding balance for the provision or supply of products or services.
ACCOUNT TRANSFER	Base	Represents the earnings transferred to or from an ACCOUNT.
ACCOUNT TRANSFER REASON	Lookup	Lookup for why the customer transfers points.
ACCOUNT TYPE	Lookup	Lookup for the type of account. For example: • Bank Card • Loyalty Card
ADDRESS LOCATION	Reference	An ordinary postal address for the PARTY or site.
ADDRESS LOCATION STATUS HISTORY	Reference	History of the names and addresses associated with an ORGANIZATION, PROSPECT, or CUSTOMER.
ADDRESS RELATED	Reference	This is an operational layer entity which stores the relationship between two addresses. Associates one address with other addresses. For example: • Alternate address • Locations with multiple addresses
ADDRESS TYPE	Lookup	Lookup for address type. For example: • Home • Mailing • Shipping
ADVANCED SHIP NOTICE DOCUMENT	Base	An electronic document sent to a store by a vendor that defines the shipment date, expected delivery date, carrier, shipped items, and OrderDocument reference. It is sent out in advance of the shipment to enable the retailer to plan workload and receipt processing.
ADVANCED SHIP NOTICE DOCUMENT LINE ITEM	Base	Details line in ADVANCED SHIP NOTICE DOCUMENT.
AGENCY	Reference	Subtype of party, who collects the customer debt on behalf of the CARRIER under some financial agreements. For example: • Booking agency • Debt collection

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
AIRCRAFT	Reference	An aircraft is a machine that is able to fly. It counters the force of gravity by using either static lift or by using the dynamic lift of an airfoil, or in a few cases the downward thrust from jet engines.
AIRCRAFT DISPATCH	Base	TBS
AIRCRAFT TURN AROUND	Base	The time required to unload an airplane after its arrival at the gate and to prepare it for departure again.
AIRCRAFT TYPE	Lookup	Lookup for the type of Aircraft. For example: Boeing 737.
AIRCRAFT VERSION	Reference	Specifies information about the AIRCRAFT TYPE. For example, if AIRCRAFT TYPE is Boeing 737 then aircraft version could be 800.
AIRPORT	Reference	Specifies an International Air Transport Association (IATA) recognized location that serves as an Origin or Destination of one or more flights, including details for the Airport. For example: • Country • City • Region
ALTERNATIVE ITEMS	Reference	List of inventory items that can be used, identifies interchangeable parts that can be used at a location.
AMOUNT TYPE	Lookup	Specifies the different types of amount. This is similar to the different types of revenue and cost. For example: • Actuals • Budget 2015 v1 • Budget 2015 v2
ASSET_DATA_DRAFT	Base	Data that relates to the asset usage.
ATA CHAPTER	Lookup	ATA chapter numbers - common referencing standard for all commercial aircraft documentation.
AWARD VOUCHER	Reference	Specifies the award voucher given by an airline.
BANK	Reference	Specifies information about banks.
BANK CARD	Reference	A bank card issued by a bank or credit organization.
BANK CARD TYPE	Lookup	Lookup for the type of the BANK CARD. For example: • Credit card • Debit card
BANNING REASON	Lookup	Lookup defining reasons a customer may be banned from using a service.
BASE DAY	Reference	The abstracted information about a day, which serves as a base for DAY.
BILLING ANALYSIS HEADER	Base	Billing Analysis System Output Information.
BILLING ANALYSIS TOTALS CURRENCY	Base	Billing Office Subtotals per Transaction Code and Currency Type.
BILLING OFFICE HEADER	Base	The header of a billing office transaction document.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
BILLING OFFICE SUBTOTALS TRANSACTION CURRENCY	Base	Billing Office Subtotals per Transaction Code and Currency Type.
BILLING OFFICE TOTALS CURRENCY	Base	Billing Office Totals per Currency Type.
BILLING TRANSACTION AGENCY AIRLINE INFO	Base	Airline agency detailed information from billing transaction data.
BILLING TRANSACTION COMPLETE FORM OF PAYMENT	Base	The information about billing transaction complete form of payment.
BILLING TRANSACTION COMPLETE TICKET DOCUMENT	Base	The billing transaction complete ticket document information.
BILLING TRANSACTION COUPON ADDITIONAL PRINT LINES	Base	Additional information of billing transaction coupon.
BILLING TRANSACTION DOCUMENT AMOUNTS	Base	Detailed amount data from the transaction document.
BILLING TRANSACTION ELECTRONIC TRANSACTION	Base	The control data of each billing transaction.
BILLING TRANSACTION EMD COUPON DETAIL	Base	The billing transaction coupon detail data from the ELECTRONIC MISCELLANEOUS DOCUMENT (EMD).
BILLING TRANSACTION EMD REMARKS	Base	The billing transaction remarks from the ELECTRONIC MISCELLANEOUS DOCUMENT(EMD).
BILLING TRANSACTION FARE CALCULATION	Base	The fare calculation elements of billing transaction.
BILLING TRANSACTION FILE TOTALS CURRENCY	Base	The currency information of billing transaction.
BILLING TRANSACTION FORM OF PAYMENT	Base	The payment data of each billing transaction.
BILLING TRANSACTION HEADER	Base	Billing transaction header data.
BILLING TRANSACTION MD ADDITIONAL INFO	Base	Billing transaction additional information from MISCELLANEOUS DOCUMENT.
BILLING TRANSACTION MD INFO AMOUNT	Base	Billing transaction amount information from MISCELLANEOUS DOCUMENT.
BILLING TRANSACTION MD ISSUANCE REASON	Base	Billing transaction issuance reason information from MISCELLANEOUS DOCUMENT.
BILLING TRANSACTION NETTING VALUES	Base	Billing transaction netting values.
BILLING TRANSACTION PAYMENT AUTHORIZATION	Base	Billing transaction payment authorization information.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
BILLING TRANSACTION PREPAID TICKET ADVICE SPONSOR INFORMATION	Base	Billing transaction prepaid ticket advice sponsor information.
BILLING TRANSACTION RELATED TICKET	Base	The information about billing transaction related ticket.
BILLING TRANSACTION TICKET	Base	The information about billing transaction ticket.
BILLING TRANSACTION TICKET AMOUNT	Base	The amount information about billing transaction ticket.
BILLING TRANSACTION TICKET COMMISSION	Base	The commission information about billing transaction ticket.
BILLING TRANSACTION TICKET FORM OF PAYMENT	Base	Form of payment information of billing transaction ticket.
BILLING TRANSACTION TICKET ITINERARY DATA SEGMENT	Base	Billing transaction ticket itinerary data segment.
BILLING TRANSACTION TICKET MISCELLANEOUS ADDITIONAL PRINT LINES	Base	Billing transaction ticket miscellaneous additional print lines.
BILLING TRANSACTION TICKET PASSENGER	Base	The passenger information of billing transaction ticket.
BILLING TRANSACTION TICKET QUALIFYING ISSUE INFORMATION	Base	Billing transaction ticket qualifying issue information.
BILLING TRANSACTION TICKET TAX ON COMMISSION	Base	The tax on commission data for billing transaction ticket.
BILLING TRANSACTION TICKET VAT INFORMATION	Base	The Value Added Tax (VAT) information of billing transaction ticket.
BLACK LIST HISTORY	Base	To keep track of black listed customers. Those records might be because of late payment, default, or fraud.
BOOKING	Base	The entity used to store all the main booking related information. This is at each individual passenger level and segment level.
BOOKING AGENT OPT LINE	Base	The detailed operations for each agent and each booking.
BOOKING BILLING	Base	The billing information about each booking.
BOOKING CAMPAIGN ASSIGNMENT	Base	This is an operational layer entity which stores the details of the campaigns related to the booking.
BOOKING CLASS	Reference	Information about the booking class and its corresponding service class for the CARRIER. For example, Service Class is Economy, and Booking Class may be A, B, C, and D. This booking class can fall under different services at a different point of time.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
BOOKING CLASS TYPE	Reference	Booking class type is another type of grouping of booking class, other than "Service Class". You can define your own grouping rule according to your business scenario.
BOOKING DAILY INVENTORY SNAPSHOT	Aggregate	Specifies the status of bookings, cancelations, confirmations, and so on, as on date for future departures starting the next day. The major dimensions of analysis for this fact are: • Traffic category • Segments • Flights • Snapshot date • Booking Class • Segment departure date
BOOKING FACT	Derived	Defines at the granularity of BOOKING SSRs, BOOKING REMARKs, OPTIONs, and, BOOKING OTHER SERVICEs attached to each BOOKING.
BOOKING OFFICE	Reference	Designator for a Travel Agent or Airline office as designated by IATA, a Global Distribution System (GDS), or an Airline.
BOOKING OFFICE USER	Reference	This is an operational layer entity which stores the user ids given to the agent using which they login to the system to do the booking. All agents belong to an office. These signs are sets of user ids assigned to the offices.
BOOKING OTHER SERVICE	Reference	Specifies free text of the booking for a CARRIER.
BOOKING PASSENGER	Reference	Passenger information for the booking. For example: • Last name • First name • Gender Note: A booking can only have two passengers if there is an unseated infant.
BOOKING PASSENGER DOCUMENT INFORMATION	Reference	Personal details of the passenger. For example: • Gender • Nationality • Date of birth
BOOKING PRODUCT	Reference	Product information associated with the BOOKING. For example, a CAMPAIGN.
BOOKING PRODUCT DETAIL	Reference	Specifies the details of the booking products. For example: • Fare • Membership level • Discount rate
BOOKING PRODUCT TYPE	Lookup	Specifies the product type. For example: • Summer holiday package • New year three day trip
BOOKING REMARK	Reference	Different remarks for the BOOKING and the PNR.
BOOKING SEAT	Reference	This is an operational layer entity which stores the name of the seat number and seat status for the BOOKING.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
BOOKING SEAT PREFERENCE	Reference	Represents preferences of seat by the passenger specified during BOOKING. One seat can have multiple preferences. For example: window, aisle.
BOOKING SERIES	Reference	Tour operators (or sales people/Group Analysts on their behalf) enter their series requests for the upcoming season into the system. Each series request is for a certain number of seats, one-way on a certain segment, on a certain weekday for a certain period. The series itself is entered as a BOOKING and then every BOOKING that is part of that series is also entered as a BOOKING with a similar identifying Series-OSI- line. All bookings that belong to a certain series, whether it is the series itself or real BOOKINGs belonging to that series, have to be grouped together in a series-container.
BOOKING SSR	Base	Represents the status of the Special Service Request (SSR) and CARRIERs of the Special Service Requests for BOOKINGs.
BOOKING SSR BRDG	Reference	Represents a bridge table used to store information about the Special Service Requests (SSRs) used in a BOOKING.
BOOKING STATUS CHANGE HISTORY	Base	Describes the BOOKING change history.
BOOKING STATUS CHANGE REASON	Lookup	Describes the BOOKING change reason.
BOOKING TST	Reference	Defines a Transitional Store Ticket (TST) generated with the BOOKING. The TST can be reused for other BOOKINGs having similar parameters. This determines the booking fare. A BOOKING can have two TSTs only if the passenger has an unseated infant.
BOOKING TST FARE DATA	Base	Booking transaction store ticket fare data.
BOOKING TST PFC TAX AMOUNT	Base	Booking transaction store ticket tax data.
BOOKING TST PRICE	Reference	Pricing information details for Transitional Store Ticket (TST).
BOOKING TST SEGMENT	Reference	Segment details of Transitional Store Ticket (TST), which has fare basis and stop over indicator information.
BOOKING TST TAX	Base	Booking TST Tax information.
BORROW_TRANSACTIONS	Base	TBS
BUSINESS HALF MONTH	Reference	Defines month-in-half in a business calendar.
BUSINESS HALF YEAR	Reference	Defines half year in a business calendar.
BUSINESS LEGAL STATUS	Lookup	The legal status of the company. For example: • Public Company • Private Company
BUSINESS MONTH	Reference	Defines month in a business calendar.
BUSINESS QUARTER	Reference	Defines quarter in a business calendar.
BUSINESS UNIT JOB ROLE	Reference	Capture the specific job role for an organization.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
BUSINESS UNIT SHIFT	Reference	Work shift associated with the Business Unit, mapped to the EMPLOYEE job roles for the allocation for these shifts. For example, there could be two shifts for a cashier in a store per day: 6:00am-2:00pm, 2:00am-10:00pm.
BUSINESS UNIT TYPE	Lookup	Lookup for ORGANIZATION BUSINESS UNIT types.
BUSINESS WEEK	Reference	Weeks as defined in the business calendar.
BUSINESS YEAR	Reference	Defines year in a business calendar.
CALENDAR	Reference	Describes the date hierarchy with a granularity as date and then gives week, month, quarter, and year.
CALENDAR HALF MONTH	Reference	Defines month-in-half in a Gregorian or Normal Calendar.
CALENDAR HALF YEAR	Reference	Defines half year in a Gregorian or Normal Calendar.
CALENDAR MONTH	Reference	Calender month in a Gregorian or Normal Calendar.
CALENDAR QUARTER	Reference	Defines quarter in a Gregorian or Normal Calendar.
CALENDAR WEEK	Reference	Defines weeks in a Gregorian or Normal Calendar.
CALENDAR YEAR	Reference	Defines years in a Gregorian or Normal Calendar.
CALL CENTER	Reference	The carrier may have multiple call centers in different locations, for different time zones, or language purposes.
CALL CENTER AGENT	Reference	All the possible agents with whom the customer can make a contact. For example: • IVR • Human Agent
CALL CENTER PERFORMANCE	Derived	Specifies the daily performance summary data about call center.
CALL CENTER SERVICE CAPABILITY	Reference	Assigns the languages, products, or geographical areas which the call center can serve to the call center.
CAMPAIGN	Reference	A campaign is a concentrated effort to enhance the image of the enterprise to retain, acquire, or consolidate customers.
CAMPAIGN MEDIA	Reference	Advertising MEDIA associated with a CAMPAIGN.
CAMPAIGN MANAGEMENT HISTORY	Reference	The history of the campaign party role about the management of a campaign. The party can be not only the sales or marketing employee at the carrier, it can also be a campaign partner.
CAMPAIGN MEDIA SELLING ITEM	Reference	Items presented to the customer or public as part of the CAMPAIGN.
CAMPAIGN MESSAGE	Reference	Holds details about the execution message used in a CAMPAIGN.
CAMPAIGN STATUS	Lookup	Describes the strategy or business objective of the CAMPAIGN.
CAMPAIGN TYPE	Lookup	This entity keeps types of CAMPAIGNs. For example: • A targeted promotion (to specific individuals, account or group of accounts) • A mass market promotion (to a massive audience usually through radio, television, and newspaper)
CAR PRODUCT	Reference	One of the product type, car, example: rental car service

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
CAR RENTAL	Base	The main entity to store the car rental transaction information.
CAR RENTAL ADDITIONAL RATE CODE INFO	Base	Car rental additional rate related information.
CAR RENTAL CHARGE PERIOD	Base	The rental car charge period information.
CAR RENTAL ESTIMATE DISTANCE	Base	Car rental estimate distance with different rental type
CAR RENTAL FOP	Base	Car rental form of payment.
CAR RENTAL LOCATION	Reference	Car rental related location information. For example pick up location.
CAR RENTAL MODEL	Base	The rental car model information.
CAR RENTAL OTHER RATE RULE	Base	The other rules of the different type of rental car package.
CAR RENTAL OTHER RATE RULE DATE	Base	The other rate rule related date information of the car rental.
CAR RENTAL PREFERENCE TYPE	Base	The customer preference car type data.
CAR RENTAL REMARKS	Base	The remarks of rental car transaction.
CAR RENTAL SURCHARGE PERIOD	Base	The surcharge period of the car rental transaction.
CAR RENTAL SURCHARGE PERIOD TARIFF	Base	The car rental surcharge period tariff.
CAR RENTAL TARIFF	Base	The car rental tariff information.
CAR RENTAL TARIFF CHARGE	Base	The car rental tariff charge information.
CARRIER	Reference	Specifies the details about the carrier, such as carrier code and description. Carrier means the airline issuing the ticket and all airlines that carry or undertake to carry the Passenger and or his baggage thereunder or to perform any other service related to such air carriage (IATA PAT-GR-1).
CARRIER TYPE	Reference	Carrier type details. For example: • Airline • Railway • On road transport • Ship
CERTIFICATE	Reference	A certificate with a face monetary value issued by a store for subsequent exchange for merchandise.
CHANNEL	Reference	The different types of channel of airline, including booking or ticketing channel, check-in channel, marketing channel, and so on.
CHANNEL TYPE	Lookup	Lookup for channel types. For example: • Selling • Distribution

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
CHECKIN	Base	Specifies the checking information at the LEG level. TICKET, flight ID, passenger ID can be derived from the booking ID for the PDI record. Provides the departure and arrival airport of the PDI from the LEG of the PDI. The LEG of the PDI is obtained using the booking ID and board and offpoint: • You can refer booking ID for the PDI and get the flight and segment information for that particular date. • Then refer flight schedule with the flight, segment and date for that booking ID it will give a unique LEG ID.
CHECKIN BAGGAGE GROUP	Reference	Defines information about the number of baggage checked-in, part of a baggage group, weight of the checked baggage of a group, number of hand baggage contained in the baggage group, and so on.
CHECKIN DAILY FACT	Aggregate	Daily fact for which data gets uploaded once at the end of day for the data to be available to the business users the next day. For example: • Total number of check-ins for a day for a particular flight • Total number of check-ins for a day for a segment • Total number of check-ins for a day for a LEG Includes other measures. For example, total number of passengers checked-in on a particular day and is also based on other dimensions.
CHECKIN FACT	Derived	Check-in information at the LEG level.
CHECKIN INDIVIDUAL BAGGAGE	Reference	Information about the individual baggage during the check-in process. This information is mainly baggage tag, baggage source, baggage tag number, baggage tag final destination, and airline code.
CODESHARE	Reference	A marketing practice in which two or more airlines agree to share for marketing purposes. The same two letter code used to identify CARRIERs in the computer Reservation systems used by travel agents. Stores the details of the code share.
CODESHARE BRIDGE	Reference	Details about the code share flights along with the segment and CARRIER to which the flight belongs.
CODESHARE BRIDGE FACT	Aggregate	Specifies details about the codeshare flights along with the segment and CARRIER to which the flight belongs.
COMP INTEL CHARACTERISTIC	Reference	A characteristic quality or a distinctive feature of a Competitor Intelligence. The characteristic can be take on a discrete value, such as number of press releases, can take on a range of values, (for example, number customers within a MARKET SEGMENT (50,000 - 100,000), or can be derived from a formula (for example, number of products offered in a MaketSegment = the number of the Competitor's Product instances associated to the MARKET SEGMENT).
COMP INTEL CHARACTERISTIC VALUE	Reference	A number or text that can be assigned to a COMP INTEL CHARACTERISTIC.
COMP INTEL MARKET SEGMENT	Reference	A MARKET SEGMENT in which a Competitor makes Product available.
COMP PROD CRRL CHARACTERISTIC ASSIGNMENT	Reference	Assign the Competitor Product Correlation CHARACTERISTIC to the related competitor intelligence characteristic.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
COMP PROD CRRL CHARACTERISTIC VALUE	Reference	A number or text that can be assigned to a CompProdCorrelationCharacteristic.
COMPENSATORY EARNING	Base	Specifies what the airline company awards, as points to customer as compensation for baggage lost or for a complaint.
COMPENSATORY REASON	Lookup	Lookup for the reason why compensatory points are awarded to a customer.
COMPETITIVE TIER	Reference	Type of Competitors according to their size, revenue, line of product, and so on. A classification of a Competitor, such as by size, product lines offered, and so forth.
COMPETITOR	Reference	A PARTY that offers Product similar to the enterprise's PRODUCT ENTITY in a MARKET SEGMENT.
COMPETITOR INTELLIGENCE	Reference	Intelligence gathered about each competitor. Facts gathered about a Competitor's plans and activities. These facts can be used to perform Competitor SWOT analysis to better understand a Competitor.
COMPETITOR INTELLIGENCE PARTY ROLE	Reference	Specifies the PARTY who generated the intelligence.
COMPETITOR MARKET SEGMENT ASSIGNMENT	Reference	A MARKET SEGMENT served by a Competitor.
COMPETITOR MARKET SEGMENT SWOT	Reference	Strength, Weakness, Opportunity, or Threat in a MARKET SEGMENT served by a Competitor.
COMPETITOR PRODUCT CORRELATION	Reference	How the product market plan are related to competitor product market plans, with its all flexible characteristics.
COMPETITOR SWOT	Reference	General (non-MARKET SEGMENT specific) Strength, Weakness, Opportunity, or Threat when compared to a Competitor.
COMPETITOR TIER ASSIGNMENT	Reference	A classification of a Competitor, such as by size, product lines offered, and so forth.
COMPLAIN ADVICE	Base	Defines a complaint or advice from customer, it is a subtype of PARTY INTERACTION THREAD.
COMPLAIN CLASS	Lookup	Lookup for the level of the complaint. For example: • High • Normal
COMPLAIN TYPE	Lookup	Lookup for the complaint type. For example: • Service complaint • Baggage lost complaint
CONTRACT	Reference	Legal agreement between two parties, it could be VENDOR CONTRACT or CUSTOMER CONTRACT.
CONTRACT STATUS	Reference	The status history of the CONTRACT. For example: • Terminated • Normal • Expired

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
CONTRACT STATUS REASON	Lookup	Lookup for description of the contract status change. For example: • Customer originated: Product upgrade • Provider originated: Bad payment (leading to suspension) • Customer originated: Debt paid (leading to reactivation) • Customer originated: Complaint
CONTRACT STATUS TYPE	Lookup	Lookup for all possible types of CONTRACT STATUS. For example: • Newly created for new account • Renewed automatically • Naturally expired or terminated
CONTRACT TERM TYPE	Lookup	Lookup for all possible terms which may be attached to a CONTRACT. For example: • Monetary amount • Period • Premium • Initial points • Cancellation policy • Subsidy
CONTRACT TERM VALUE	Reference	The value of terms attached to the CONTRACT. For example: • Monetary amount • Period • Premium • Initial points • The value can vary at different time periods of the CONTRACT. For example, the monthly fee might be 100 for the first six months and 80 for the last six months. A penalty calculation can also be based on the months left in the contract.
CORPORATE CUSTOMER	Reference	The details for the corporate customer. For example: • Name • Location • Customer division
COST	Base	Define the cost might incurred from any operation or an event which is trackable at a certain level. For example are: • Gift offer expense • Employee salary • Commission • Promotion delivery cost • Air bridge cost
COST CENTER	Reference	To categorize the different cost charges inside the CARRIER for different purpose. An organization can own multiple cost centers for different project/product operations.
COUNTERS		Capture usage: flight hours and flight cycles
CREDIT SCORE PROVIDER	Reference	Specifies reference financial rating scores for each customer to the service provider. It is also called Credit rating agency.
CURRENCY	Lookup	Currency information

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
CUSTOMER	Reference	A customer is the recipient of a good, service, product, or idea, obtained from a seller, vendor, or supplier for a monetary or other valuable consideration. For example: • A passenger is a customer • A person who booked a ticket but canceled later is also a customer for an airline
CUSTOMER ACCOUNT	Reference	A cddharge account or other accounting relationship a customer has with the organization. An account exists to allow the store to record a series of transactions with the same customer and keep an ongoing record of monies owed by the customer and monies due to the customer.
CUSTOMER ADDRESS	Reference	Associative entity assigning a CUSTOMER to one or more ADDRESS LOCATION.
CUSTOMER CONTRACT	Reference	Legal agreement between a retailer and a CUSTOMER.
CUSTOMER INVOICE	Base	A summarized list of charges, including payment terms, invoice item information, and other information that is sent to a CUSTOMER for payment.
CUSTOMER INDIVIDUAL	Reference	Subtype of CUSTOMER (and PARTY), which contains details of individuals as opposed to organizations.
CUSTOMER INVOICE	Base	A summarized list of charges, including payment terms, invoice item information, and other information that is sent to a CUSTOMER for payment.
CUSTOMER INVOICE ITEM	Base	A single line of an invoice.
CUSTOMER LIFE TIME VALUE SUPPORT VECTOR MACHINE FACTOR	Derived	Represents Support Vector Machine (SVM) factors of attributes of customers, derived from customer life time value support vector machine mining model.
CUSTOMER LOYALTY DECISION TREE RULES	Derived	Represents Decision Tree rules, derived from customer loyalty decision tree mining model.
CUSTOMER LOYALTY SUPPORT VECTOR MACHINE FACTOR	Derived	Represents Support Vector Machine (SVM) factors of attributes of customers, derived from customer loyalty support vector machine mining model.
CUSTOMER MINING	Derived	Represents results of customer related mining models on latest customer data.
CUSTOMER OCCASION	Reference	Describes an event celebrated or observed by a customer. For example: • Birthday • Anniversary • Company establishment day
CUSTOMER OCCASION TYPE	Lookup	A categorization of CUSTOMER OCCASIONs.
CUSTOMER ORDER	Base	ORDER placed by a CUSTOMER for merchandise or services to be provided at some future date and time.
CUSTOMER ORDER LINE ITEM	Base	A line item component of a CUSTOMER placed ORDER.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
CUSTOMER ORDER LINE ITEM STATE	Base	Describes the state of fulfillment of a CUSTOMER ORDER LINE ITEM.
CUSTOMER ORDER STATE	Base	Defined state for an ORDER. Possible values include: • Pending • Partially Delivered • Complete • Canceled
CUSTOMER ORDER TAX EXEMPTION MODIFIER	Base	A line item component of a CUSTOMER placed ORDER, recording any Tax exemptions that the ordering CUSTOMER may receive.
CUSTOMER ORDER TAX LINE ITEM	Base	A line item component of a CUSTOMER placed ORDER, recording the tax liability that the entire order is incurring.
CUSTOMER ORDER TAX OVERRIDE MODIFIER	Base	A line item component of a CUSTOMER placed ORDER, recording any Tax rate overrides that the ordering CUSTOMER may receive.
CUSTOMER ORDER TENDER PRE AUTHORIZATION	Base	A line item component of a CUSTOMER placed ORDER, recording any credit or debit card pre-authorization that is performed at the time the order is taken.
CUSTOMER ORGANIZATION	Reference	Subtype of CUSTOMER (and PARTY), which contains details of organizations as opposed to individuals. Note: An organization can also consist of only one individual.
CUSTOMER PAYMENT	Base	Amount disbursed to RETAILER by CUSTOMER in response to a CUSTOMER INVOICE.
CUSTOMER RECENCY FREQUENCY MONETARY PROFITABILITY SCORE	Derived	Represents customers recency, frequency, monetary, and profitability score at a month level.
CUSTOMER RESTRICTED INFO	Reference	It captures the restricted information for the customer or prospects.
CUSTOMER REVENUE BAND	Lookup	Customer classification in its income/revenue term. For example: • Customer with income/revenue of $10000/Month • Organization with 1Billion/Year
CUSTOMER REVENUE BAND ASSIGNMENT	Reference	Determine revenue band of the customer. CUSTOMER REVENUE BAND may drift month by month.
CUSTOMER REVENUE TYPE	Lookup	Lookup for type of revenue a customer may bring to the CARRIER.
CUSTOMER SCORE	Reference	Score ranges that may be assigned to a customer based on credit, behavior, or other criteria. For example,,1,2,3,4,5 or 1~10,11~20. Customer score can be rated based on the Customer Behavior, Credit, or another criteria.
CUSTOMER SEGMENT	Reference	The Segments table contains details of customer segments identified by business analysis activities, for example, data mining. A segment identifies distinct groupings of customers or accounts with similar characteristics. The segments are typically used in marketing campaigns.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
CUSTOMER SEGMENTATION MODEL	Reference	The segmentation model used to profile the customers. For example, KMeans by Revenue from Market Department, O-Clustering by IT department, and so on.
CUSTOMER SOURCE	Aggregate	Describes how the customer came in touch with the sales team. For example: Campaign, Advertisement, Call center, Dealer, and so on. It is important for campaign planning and management.
CUSTOMER SURVEY AGG	Aggregate	Describes the daily summary data about customer survey result.
CUSTOMER SURVEY DERIVED	Derived	This entity contains the daily summary data about customer survey result.
CUSTOMER TYPE	Lookup	This level identifies or groups customers as corporate customers or individuals.
DAILY BOOKING FACT	Aggregate	Defines the number of BOOKINGs, confirmed, canceled, ticketed, and so on, for a particular BOOKING date and segment departure date. The granularity of the fact is at a current date. All the bookings, confirmations, and waitlisted information are calculated based on the fact that they are done on the current date. This entity is a fact table storing the number of bookings, confirmed, canceled, ticketed, and so on, for a particular booking date and segment departure date. The granularity of the fact is at a current date. All the bookings, confirmations, and waitlisted information are calculated based on the fact that they are done on the current date.
DAILY CALL CENTER PERFORMANCE	Aggregate	Specifies the daily performance summary data about the call center.
DAILY FLIGHT DETAILS	Aggregate	Specifies the daily summary data about FLIGHT details.
DAILY LOYALTY ACCOUNT	Aggregate	Specifies the daily summary data about LOYALTY ACCOUNT (for a FREQUENT FLYER).
DAILY LOYALTY ACCOUNT BOOKING	Aggregate	Specifies the daily summary data about LOYALTY ACCOUNT booking (for a FREQUENT FLYER).
DAY	Reference	Day level in the normal calendar.
DEALER	Reference	The PARTY that resells products or services from the CARRIER.
DEFECT STATUS	Lookup	TBS
DEFFERALS	TBS	Items that have been executed in the planned time - carried forward.
DELAY CAUSE	Lookup	Delay codes used to standardize the reporting of flight departure delay.
DELAYS AND CANCELLATIONS	Base	Details of the delay and its causes.
DEMOGRAPHY ATTRIBUTE	Reference	A sub-level group or category further qualifying a set of data (Profile Group) collected about a customer to assist in marketing efforts. For example: • NC: Number of children • EDL: Education level

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
DEMOGRAPHY GROUP	Reference	The domain of classifications used to group profile information about a PARTY. For example: • CH - Credit History • ED- Education • EM - Employment • EQ- Equipment • HB - Hobbies • HH - Household • OR - Organization
DEPARTMENT	Reference	Identifies the department within the organization
DERIVED VALUE	Reference	Describes the derived value of the customer. These value could have multiple value types or value measures.
DIRECT EARNING	Base	Earn points from flying with this airline.
DISCOUNT GROUP	Reference	Keeps the special discount groups of employee or Partner. EMPLOYEEs in different level have a different discount group. For example: • Manager's discount group • Director's discount group Different Dealer or partner may also have different discount policy according to their relationship with Service provider and sales volume.
DISPOSITIONS	Base	Identifies the condition of the item and suggested actions
DOCUMENT	Reference	Document record.
EARNING EVENT	Base	This event records all the point earnings of LOYALTY ACCOUNT.
EDUCATION	Reference	The education level of the customer.
EMAIL ADDRESS	Reference	E-mail address associated with a location.
EMPLOYEE	Reference	Employee of the carrier. This is a sub entity of party individual.
EMPLOYEE ACTUAL LABOR HOURLY	Base	The actual shifts the hourly employees have worked in, including break time.
EMPLOYEE ACTUAL LABOR SALARIED	Base	This table records the actual shifts worked in for the salaried employees. To be further investigated, difference with "xxx hourly".
EMPLOYEE DESIGNATION	Lookup	The various designations present in an organization for the employees.
EMPLOYEE DISCOUNT GROUP ASSIGNMENT	Reference	The relationship between employee discount groups. An employee must have multiple discount groups, and several employees must have the same discount group.
EMPLOYEE JOB ROLE ASSIGNMENT	Reference	Keep the relationship between employee and job role.
EMPLOYEE LANGUAGE CAPABILITY	Reference	The languages the employee can serve, especially for call center agent and sales shopper representatives.
EMPLOYEE RESTRICTED INFO	Reference	Specifies the restricted information for the employee.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
EMPLOYEE SCHEDULE	Reference	Describes the planned schedule for an employee, which consists of the store, job role, and shift the employee is working.
EMPLOYEE TRAINING RECORD	Base	A record that a particular employee has been trained in performing a particular task.
EMPLOYEE TYPE	Lookup	This lookup describes types of EMPLOYEE. For example: • Part Time • Contractual • Full Time
ENVIRONMENT TYPE	Lookup	Defines the temperature, relative humidity, lighting, and other physical or climatic environmental requirements for storing and displaying the item.
EVENT	Base	An event captures information pertaining to the aircraft or flight. For example, this is a ACARS message, an In Flight Shutdown, Air Turn back, or so on.
EVENT PARTY ASSIGNMENT	Base	This entity relates parties with events. A PARTY can have many events; and an event can involve many parties.
EVENT PARTY INTERACTION	Base	The PARTY INTERACTION table records all interactions or communications with the customer. The interactions include: • Faults • Direct mail, SMS, email • Service calls • Complaints • Debt collection • Inbound and outbound telemarketing
EXTERNAL CREDIT PROFILE	Reference	A source of information that helps define a credit worthiness of the customer.
EXTERNAL CREDIT PROFILE ASSIGNMENT	Reference	To indicate which external agency/institute provided the credit profile for the given customer.
EXTERNAL ORGANIZATION TYPE	Lookup	The type of different external organization.
FARE ELEMENT	Reference	Specifies the fare element details of the BOOKING and the TSM. This is an operational layer entity which stores the fare element details of the booking and TSM.
FARE TYPE	Reference	Fare Type means a designator that is used to Categorize Fares. For example: • APEX • PEX • IT It stores booking class fare types. This is an analytical layer dimension which stores the booking class fare types.
FISCAL HALF MONTH	Reference	Defines half-month in a fiscal calendar.
FISCAL HALF YEAR	Reference	Defines half-year in a fiscal calendar.
FISCAL MONTH	Reference	Defines month in a fiscal calendar.
FISCAL QUARTER	Reference	Defines quarter in a fiscal calendar.
FISCAL WEEK	Reference	Defines week in a fiscal calendar.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
FISCAL YEAR	Reference	Defines year in a fiscal calendar.
FLEET	Lookup	A group or assemblage of aircraft
FLEET_HEADERS	Reference	Details about a group or assemblage of aircraft
FLEET UNIT ASSOCIATE	Base	Assignment details of individual aircraft into the fleet.
FLIGHT	Reference	Information about the flight is stored. For example, the CARRIER which it belongs to or if there is an alpha suffix. This is an operational layer entity which stores the information about the flight. For example, the CARRIER which it belongs to or if there is an alpha suffix associated.
FLIGHT CANCELLATION REASON	Lookup	Code detailing the reason for a flight cancelation.
FLIGHT_DATA_DRAFT	Base	Information snapshot of a selection of aircraft parameters.
FLIGHT CHANGE	Base	Subtype of PARTY INTERACTION THREAD, about flight change or cancelation.
FLIGHT DETAILS FACT	Derived	Provides information about LEG and segment of a particular flight. The airport and the aircraft information is at the LEG level.
FLIGHT GATE OPERATION	Base	TBS
FLIGHT INVENTORY	Reference	The main entity for airline flight inventory information.
FLIGHT INVENTORY NUMBER OF UNITS	Reference	Specifies the number of units of data which are used to present different KPIs for flight inventory.
FLIGHT INVENTORY OPERATION TYPE	Lookup	The different operation type of flight inventory.
FLIGHT INVENTORY OPERATIONS	Reference	The operations of flight inventory.
FLIGHT INVENTORY SCHEDULE ASSIGNMENT	Reference	The assignment entity to manage the many to many relationship between flight inventory and flight schedule.
FLIGHT INVENTORY STATUS	Reference	The status of flight inventory.
FLIGHT LEG INVENTORY	Reference	The flight inventory data at LEG level.
FLIGHT LEG INVENTORY CABIN	Reference	The cabin configuration data at LEG level.
FLIGHT LEG INVENTORY CABIN BLOCKSPACE	Reference	The block space information about each cabin at LEG level.
FLIGHT LEG INVENTORY CABIN ACV CONFIG	Reference	The LEG level cabin configuration for each aircraft.
FLIGHT LEG INVENTORY CABIN RMS	Reference	Revenue control value for the leg-cabin.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
FLIGHT LEG INVENTORY CABIN SALECONFIG	Reference	The LEG level cabin configuration for marking sales.
FLIGHT LEG INVENTORY CABIN SALECONFIG CHARACTERISTIC	Reference	The detailed characteristics of the cabin configuration.
FLIGHT LEG INVENTORY SSR	Reference	The special service request (SSR) for flight inventory at LEG level.
FLIGHT LEG INVENTORY SSR OPTION	Reference	The other options for special service request (SSR) at LEG level.
FLIGHT LEG INVENTORY STATUS	Reference	The LEG level inventory status.
FLIGHT OPERATION DERIVED	Derived	TBS
FLIGHT SCHEDULE	Base	Information about schedule of the flight from the FLD system. Provides, on a daily basis, what are the FLIGHTs and how each FLIGHTs segments and LEG and what are their expected departure and arrival time at the LEG level.
FLIGHT SEGMENT INVENTORY	Reference	The Segment level inventory main entity.
FLIGHT SEGMENT INVENTORY CABIN	Reference	This is the flight segment inventory information at a cabin level.
FLIGHT SEGMENT INVENTORY CABIN BOARDING FIGURES DCS	Reference	The segment level inventory update by DCS input.
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS	Reference	The cabin class data at segment level.
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS BOARDING FIGURES DCS	Reference	The segment level cabin booking class boarding data.
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE BOARDINGFIGURES DCS	Reference	The segment level boarding figures related to code share flight.
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE DCS	Reference	The segment level cabin class configuration.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS STATUS	Reference	Segment level cabin class status.
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS	Reference	Segment level cabin subclass.
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS AVAILABILITY	Reference	Segment level cabin subclass availability.
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS COUNTERS	Reference	The segment level cabin subclass counters.
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS DATEFLAG	Reference	The segment level cabin subclass date flags.
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS FLAG	Reference	The segment level cabin subclass flag data.
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS NEGO	Reference	The segment level cabin subclass NEGO.
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS YIELD	Reference	Segment level cabin subclass yield.
FLIGHT SEGMENT INVENTORY CABIN BOOKINGCLASS BOARDING FIGURES DCS	Reference	The segment level cabin boarding data from DCS.
FLIGHT SEGMENT INVENTORY CABIN CODESHARE	Reference	The segment level cabin inventory data for code share flight.
FLIGHT SEGMENT INVENTORY CABIN CODESHARE BLOCKSPACE COUNTER	Reference	The segment level cabin blockspace data for code share flight.
FLIGHT SEGMENT INVENTORY CODESHARE	Reference	The segment level inventory data for code share flight.
FLIGHT SEGMENT INVENTORY STATUS	Reference	The segment level inventory status data.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
FLIGHT SEGMENT INVENTORY TRAFFIC RESTRICTION	Reference	The segment level inventory traffic restriction data.
FORM OF PAYMENT	Reference	All forms of payment.
FREIGHT DOCUMENT	Base	A carrier-originated document that lists the number of containers, for example, pallets, cartons, and so on, that were delivered. The freight bill does not reference the inner contents of a shipment.
FREQUENT FLIER BOOKING FACT APPLY	Mining	Represents customer booking related facts for a period of months in the past.
FREQUENT FLIER BOOKING FACT SOURCE	Mining	Represents customer booking related facts for a period of months in the past.
FREQUENT FLIER CUSTOMER LIFE TIME VALUE APPLY	Mining	Represents customer life time value prediction mining model.
FREQUENT FLIER CUSTOMER LIFE TIME VALUE SOURCE	Mining	Represents customer life time value prediction mining model can be applied to predict the life time value of customers.
FREQUENT FLIER CUSTOMER LOYALTY APPLY	Mining	Specifies customer loyalty prediction mining model that can be applied to predict the loyalty of customers.
FREQUENT FLIER CUSTOMER LOYALTY SOURCE	Mining	Provides source information for customer loyalty prediction mining model.
FREQUENT FLIER CUSTOMER PROFILE APPLY	Mining	Represents customer segmentation mining model that can be applied.
FREQUENT FLIER CUSTOMER PROFILE SOURCE	Mining	Represents the source for customer segmentation mining model.
FREQUENT FLYER	Reference	Frequent Flyer is an individual, whose frequency of usage of the airline is higher than normal passengers. Entity represents information about the frequent flyer. For example: • Membership level • Start date • Airline
FREQUENT FLYER PREFERENCE	Reference	The different types of preference of frequent flyer passenger.
FREQUENT FLIER LOYALTY ACCOUNT BALANCE APPLY	Mining	Represents customer LOYALTY ACCOUNT balance details for the last number of months.
FREQUENT FLIER LOYALTY ACCOUNT BALANCE SOURCE	Mining	Represents customer LOYALTY ACCOUNT balance details for a period of months in the past.

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
FREQUENT FLIER PREDICTION APPLY	Mining	Represents non-frequent flier passengers demographic and BOOKING details. Frequent flier prediction among non-ffp mining model can be applied to predict frequent fliers among non-frequent flier passengers.
FREQUENT FLIER PREDICTION DECISION TREE RULES	Derived	Represents Decision Tree (DT) rules, derived from frequent flier prediction decision tree mining model.
FREQUENT FLIER PREDICTION SOURCE	Mining	Represents non-frequent flier passengers demographic and BOOKING details for a period months. Represents frequent flier prediction among non-frequent flier passengers mining model.
FREQUENT FLIER PREDICTION SUPPORT VECTOR MACHINE FACTOR	Derived	Provides SVM factors for attributes of non-frequent flier passengers. Those SVM factors can be derived from frequent flier prediction support vector machine mining model. SVM factor is a numeric value, which quantifies the importance of attribute in predicting the target.
GENDER	Reference	Specifies the gender. For example, male or female.
GEOGRAPHY	Reference	This is a type of dimension with a granularity of city. It has country, continent, and so on as other levels of hierarchy. This is an analytical layer entity of the type dimension with a granularity of city. It has country, continent, and so on, as other levels of hierarchy.
GEOGRAPHY DEMOGRAPHIC GROUP	Reference	User defined classifications for Demographic attributes. For example: • Race • Age • Income
GEOGRAPHY DEMOGRAPHY ATTRIBUTES	Reference	User defined classifications for a demographic profile group. For example: • Percent White • Percent Black • Average Age • Average Income • Population • Population Age 0-12
GEOGRAPHY DEMOGRAPHY VALUE	Reference	Values associated with a geographic location as defined by the GEOGRAPHY DEMOGRAPHY ATTRIBUTES.
GEOGRAPHY ENTITY	Reference	Geographic entities to define the location of an address. For example: • Region • North • State • Country • City • Geography • EMEA • Americas

Table 2-1 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
GEOGRAPHY HIERARCHY	Reference	Type of geographic hierarchy. For example: • Sales Hierarchy • Organization Location Hierarchy
GEOGRAPHY HIERARCHY LEVEL	Reference	Associative entity for GEOGRAPHY HIERARCHY and GEOGRAPHY LEVEL, mapping levels to hierarchies.
GEOGRAPHY HIERARCHY LEVEL ASSIGNMENT	Reference	Assignment of a GEOGRAPHY HIERARCHY LEVEL to a GEOGRAPHY ENTITY; assigns geography values to hierarchy levels.
GEOGRAPHY HIERARCHY VERSION	Reference	The different versions of geography hierarchy.
GEOGRAPHY LEVEL	Reference	User defined Hierarchical levels for the GEOGRAPHY HIERARCHYs.
GEOGRAPHY LEVEL ATTRIBUTE VALUE	Reference	Values as defined by geography level attributes for a GEOGRAPHY HIERARCHY LEVEL.
GEOGRAPHY LEVEL ATTRIBUTES	Reference	User defined attributes associated with a specific GEOGRAPHY LEVEL.
GROUPING	Reference	Grouping information required to determine the connecting flight. The grouping types can be marriages or a physical connection.

Table 2-2 H to Q Entity Descriptions

Entity Name	Type	Description
HALF HOUR	Reference	Half-hours defined as part of time.
HALF MONTH TODATE TRANSFORMATION	Reference	To date transformation information at the half-month level.
HALF MONTH TRANSFORMATION	Reference	Transformations for half-month. For example: • This half-month last year • This year last half-month
HALF YEAR TODATE TRANSFORMATION	Reference	Cumulative time transformations at the half-year level.
HALF YEAR TRANSFORMATION	Reference	Transformations for half-year. For example: • This half-year last year • This year last half-year
HOT FILE HEADER	Base	HOT File Control Information The Hand Off Tape (HOT) is so called because originally, this file was made available to users on a magnetic tape or floppy disk. The term has stuck and the universal generic term for the flat or text (.txt) billing file is HOT file.
HOTEL BOOKING	Base	Represents hotel booking information.
HOTEL BOOKING BILLABLE INFO	Base	The billable information for hotel booking transaction.
HOTEL BOOKING COMMISSION	Base	The commission data for hotel booking.
HOTEL BOOKING CONTACT	Reference	The customer contact information for hotel booking.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
HOTEL BOOKING CUSTOMER REFERENCE	Reference	Hotel booking reference information, it can be used to linked to any event. For example, flight booking or any customer interaction.
HOTEL BOOKING FORM OF PAYMENT	Reference	The form of payment information for hotel booking.
HOTEL BOOKING MISC REMARKS	Reference	The miscellaneous remarks of hotel booking.
HOTEL BOOKING OPTION TEXT	Reference	The free text for different booking options.
HOTEL BOOKING SAVING AMOUNT	Reference	The booking saving amount. For example, if the booking is done with other bookings, this hotel booking can save a certain amount of money.
HOTEL BOOKING STATUS	Reference	The status of hotel booking.
HOTEL FACILITY	Reference	The details of hotel facility.
HOTEL PAYMENT	Reference	The payment information of hotel booking.
HOTEL PRODUCT	Reference	The service or product provided by the hotel.
HOTEL PRODUCT AMENITY	Reference	Specifies what kind of hotel facility is offered in the booking package.
HOTEL ROOM	Reference	The details of hotel room.
HOTEL TARIFF	Reference	The tariff data of hotel booking.
HOTEL TARIFF CHARGE	Reference	The tariff charge transaction of hotel booking.
HOUR	Reference	Hours defined as part of time.
HOUSEHOLD	Reference	Captures household information which the individual customer may belong to.
ICD ALLOWANCE LINE ITEM	Base	A type of INVENTORY CONTROL DOCUMENT LINE ITEM that records allowances applicable to the whole INVENTORY CONTROL DOCUMENT.
ICD CHARGE LINE ITEM	Base	A type of INVENTORY CONTROL DOCUMENT LINE ITEM that records charges applicable to the whole INVENTORY CONTROL DOCUMENT.
ICD FREIGHT LINE ITEM	Base	A type of INVENTORY CONTROL DOCUMENT LINE ITEM that records the type and amount of freight cost incurred on an INVENTORY CONTROL DOCUMENT.
ICD LINE ITEM ASSIGNMENT	Base	Associative entity between two INVENTORY CONTROL DOCUMENT LINE ITEMs.
ICD TAX LINE ITEM	Base	A type of INVENTORY CONTROL DOCUMENT LINE ITEM that records sales, use, and value added taxes applicable to the whole INVENTORY CONTROL DOCUMENT.
INDIVIDUAL DEMOGRAPHY VALUE	Reference	Individual demography value, the detailed information and its value collected about customers. For example, age has Demography group as AGE, Attribute as various bands and value as 15 years which will be stored in this entity.
INDIVIDUAL NAME	Reference	Specifies all names used by the individual party along the history.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
INFLIGHT MEAL	Reference	The types of meals given during the flight. For example: • VGML - Vegetarian Meal
INITIATIVE RESULT TYPE	Lookup	Lookup for all possible result of initiatives.
INITIATIVE TYPE	Lookup	The lookup for different types of Initiatives.
INTERACTION REASON	Lookup	Lookup for the reason of the interaction thread. For example: • Baggage lost • Change flight
INTERACTION RESULT	Lookup	Lookup for result of response received from customer interaction. For example: • Satisfy • Offer accepted • Never call again • Showed Interest without decision • Dissatisfy
INVENTORY ADJUSTMENT DOCUMENT	Base	A document that captures an increment or decrement to an item's unit on hand count and or financial valuation.
INVENTORY ADJUSTMENT DOCUMENT LINE ITEM	Base	The detail line item on the INVENTORY ADJUSTMENT DOCUMENT which applies an increment or decrement to the ITEM’s unit on hand and or the financial valuation.
INVENTORY CONTROL DOCUMENT	Base	A written or printed paper, or digital equivalent, that evidences the movement of merchandise or supply SKU ITEMs.
INVENTORY CONTROL DOCUMENT ASSIGNMENT	Base	Assignment entity between INVENTORY CONTROL DOCUMENTs.
INVENTORY CONTROL DOCUMENT LINE ITEM	Base	Detail line on an INVENTORY CONTROL DOCUMENT that identifies the SKU ITEM, and unit of measure exchanged, or the freight, charges, taxes, and allowances applicable to a particular inventory control event and action.
INVENTORY ITEM STATE	Base	Location of SKU ITEMs in inventory by ORGANIZATION BUSINESS UNIT, SELLING LOCATION, INVENTORY LOCATION, by date.
INVENTORY LOCATION	Reference	Physical location where merchandise resides. INVENTORY LOCATION may be co-located at a SITE with ORGANIZATION STORE, ORGANIZATION DISTRIBUTION CENTER, or ADMINISTRATION CENTER and does not include containers, ships, and trucks that are in transit.
INVENTORY SPACE ALLOCATION	Base	Allocation of INVENTORY LOCATION for SKU ITEMs during a given time frame. Allocation does not indicate inventory levels or existence of SKU ITEMs in the INVENTORY LOCATION.
ITEM	Reference	A level in a product hierarchy frequently used for business analysis. An item can be a group of Stock Keeping Units (SKU)s where each SKU is the same item but varies in size, weight, color, or other attributes. Item is sometimes referred to as an article, product, or bundle of SKUs. For example, item could be Acme shirt, with associated SKUs for each color and size of the shirt.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
ITEM INVENTORY JOURNAL ENTRY	Base	The record of a change in an Item Inventory holding that is applied to an Item Inventory account.
ITEM SEASON	Reference	Associative entity for ITEM, SEASON, and PHASE.
JOB	Reference	The type of occupation that customer has, that is the principal activity the customer does to earn money.
JOB ROLE	Reference	The job role employee might take. For example: • Sales Representative • Support • Product manager • Customer representative • Call center agent
LANGUAGE	Lookup	Speaking or written language.
LANGUAGE DIALECT	Reference	A special type of spoken or written language dialect.
LEG	Reference	Leg is an operational term and used to define the the physical operation between a departure station and the next arrival station. CARRIERs fly aircraft on Legs. This entity represents the attributes of the leg. For example: • Terminal • Board point • Off point city
LEG SCHEDULE	Base	The detailed schedule at LEG level.
LEG TYPE	Lookup	The different types of LEG.
LETTER TYPE	Lookup	Lookup for type of letter sent to the customer according to the content and purpose. For example: • Direct Marketing • Legal Letter • Contract Confirmation letter (Welcome)
LOCAL AUTHORITY TYPE	Lookup	Lookup for the type of local authority. For example: • City • State • County
LOCAL TAX AUTHORITY	Reference	Government authority that levies sales taxes or imposes rules, or statutory compliance.
LOCATION	Reference	A physical place the retailer conducts business. It may be any or all of the defined sub-types: WORK LOCATION, SELLING LOCATION, INVENTORY LOCATION.
LOG_BOOK	Base	The logbook can record flight time, flight type, departure point, destination, VFR, or IFR information and much more. It is used as a record of the flight and as a communication tool between pilots and the ground crew. Can be physical or electronic.
LOT_NUMBERS	Reference	TBS

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
LOYALTY ACCOUNT	Reference	Typically, airline customers enrolled in the program accumulate frequent flyer miles (kilometers, points, segments) corresponding to the distance flown on that airline or its partners. CUSTOMERs can acquire points on flights or by some other means. The acquired points can be redeemed for free air travel; for other goods or services; or for increased benefits. For example: • Travel class upgrades • Airport lounge access • Priority bookings
LOYALTY ACCOUNT BALANCE HISTORY	Derived	The history of all the changes of one account. Including the earnings, redemption, and expiration. Specifies the current and historical balances of an account.
LOYALTY ACCOUNT BALANCE HISTORY FACT	Derived	Specifies the daily summary data about LOYALTY ACCOUNT (Frequent Flyer).
LOYALTY ACCOUNT LEVEL HISTORY	Derived	The change history of the loyalty account level.
LOYALTY ACCOUNT LEVEL HISTORY FACT	Derived	The daily summary of the LOYALTY ACCOUNT details.
LOYALTY CONVERSION	Base	When the airline wants to merge several loyalty programs together or let the customer from a partner use points in a program. This entity lets you specify the related data.
LOYALTY LEVEL	Reference	There are different levels in one loyalty program. For example: • Bronze • Silver • Gold
LOYALTY POINTS EXPIRE	Base	Airline may have a points expiration policy. The points expire after a certain period of time the points in the account will expire.
LOYALTY PROGRAM	Reference	Structured marketing efforts that reward, and therefore encourage loyal buying behavior.
MAINTNENACE REQUIREMENT	Base	Enables maintenance organizations to record, organize, and plan maintenance requirements, such as routine inspections, replacements, MOD's SB's, CPC, and so on.
MAINTENANCE TYPE	Lookup	TBS
MAINTENANCE VISIT	Base	Maintenance grouping for work to be performed (routine and non routine) such as A, B, C, or D checks.
MAINTENANCE VISIT TASK	Base	Maintenance visit task details.
MAPLET INPUT OFFICE	Control	TBS
MARITAL STATUS	Lookup	Marital status.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
MARKET AREA	Reference	Market Area denotes a geographic area for which resident demographic data is available. Market Area may not contain a store. Trade Area and Market Area have been used interchangeably in this model. The definition of a trade/market area is the geographic region from which a town draws most of its retail customers. For example: • Study traffic flow • Use a retail gravity model • Use a zip code method • Use commuting data to define the trade area boundaries
MARKET AREA LEVEL	Reference	Level of classification inside the market areas. this classification can be based on, • Community: This is represented as the one set of demographic attributes as described in the demography entity • Geographic • User defined criteria
MARKET SEGMENT	Reference	A market segment is identified to group certain common areas where business can be conducted, for example, a group of person, a specific geographical area, and so on.
MARKET SEGMENT CHARACTERISTIC	Reference	Different characteristics of a market segment. For example, customer age, customer income, and so on.
MARKET SEGMENT CHARACTERISTIC VALUE	Reference	The different characteristic value of market segment.
MARKET STATISTIC INCLUSION	Reference	Relationship between two market statistics.
MARKET STATISTICS	Reference	The market statistical information gathered about the competitors and the market.
MASTER CONFIGURATION HEADER	Reference	Header of assembly tree structure representing the positions of tracked or required components that make up a complex assembly.
MATERIAL TRANSACTION	Base	TBS
MEDIA OBJECT	Reference	This is any object the campaign message may appear on. For example, a page in a newspaper, or a time slot in a TV broadcast.
MEL	Reference	A categorized list of on-board systems, instruments, and equipment that may be inoperative for a flight.
MEL ATTRIBUTE	Lookup	MEL Coding (in accordance with dispatch conditions in MMEL), B (3 days), C (10 Days), D (120 Days)
MEL_CDL_PROCEDURES	Base	Procedures associated with an MEL item.
MEMBERSHIP ACCOUNT	Reference	A customer account in a membership program. For example, a loyalty program.
MFG_PART_NUMBERS	Reference	MFG_PART_NUMBERS represents the cross reference between an item defined in inventory and the part number used by its manufacturer. This information can be used to perform item searches by manufacturer part number.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
MINIMUM CONNECTING TIMES	Base	The minimum connecting time between different flights.
MISCELLANEOUS REMARKS	Reference	This entity is used to convey additional information which are entered by the agent and stored on the hotel booking.
MONTH TODATE TRANSFORMATION	Reference	Defines related calendar elements for performing to-date time transformations.
MONTH TRANSFORMATION	Reference	Transformations for a month. For example: • This month last year • This year last month
MR EFFECTIVITY	Base	MR Effectivity refers to the applicability of a maintenance requirement. An effectivity definition contains a set of effectivity details, and a set of interval thresholds. Intervals and thresholds are used to set a schedule that counts down until the maintenance requirement is due for a unit.
MR_EFFECTIVITY_DTLS	Reference	Extra details on the MR effectivity.
MR_INTERVALS	Base	Intervals and thresholds are used to set a schedule that counts down until the maintenance requirement is due for a unit.
MTL_MANUFACTURERS	Reference	Manufacturers detail.s
MRO RESOURCE	Reference	The resource required to complete the MRO work, an indication of the skills and trade required.
NATIONALITY	Lookup	The nationality information.
NON FREQUENT FLIER MINING	Derived	Represents apply results of non-frequent flier related mining models on non-frequent fliers latest data.
NON ROUTINE	Base	Non Routine requirement record.
NON ROUTINE DERIVED	Derived	Non Routine requirement record.
ODT ACCOUNT	Reference	The ODT account tracks the financial or services interactions of a customer with the airline. Once set up, the customer can use the account to do self service at airlines Website or terminal. In this case normally the ODT account is protected by a password.
OLAP ETL PARAMETER	Control	TBS
OPERATION	Base	Task details
OPERATION MATERIAL	Base	Task materials
OPERATION_RESOURCES	Base	Task resources.
OPTION	Reference	Information about the message queues sent to a different office which holds different information about the BOOKING.
ORDER TYPE	Lookup	A unique retailer assigned code denoting a type of CUSTOMER ORDER, PURCHASE ORDER, or ORDER. For example: • Layaway • Order for delivery • Order for pickup
ORGANIZATION	Reference	A company, association, institution, or other enterprise of interest to an organization including retail enterprise, or the retail organization itself.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
ORGANIZATION AREA	Reference	Areas within an organization chain.
ORGANIZATION BANNER	Reference	The name of Company, ORGANIZATION, or subsidiary that is recognizable to the consumer or the name of the store as it appears on the catalog, web channel, or brick and mortar store. Contains the information about different organization banners under which product or service are sold.
ORGANIZATION BUSINESS ENTITY	Reference	Any logical entity that is recognized as a part of the enterprise for business analysis and transactions. Classification for a business entity can include company, operation unit, store, or a warehouse.
ORGANIZATION BUSINESS UNIT	Reference	Represents the lowest level of carrier's organization hierarchy, it can be a local airline office or a call center.
ORGANIZATION BUSINESS UNIT TYPE	Lookup	Type of ORGANIZATION business unit. For example: • Call center • Branch Office • Warehouse
ORGANIZATION CHAIN	Reference	Organization hierarchy level within an ORGANIZATION COMPANY and is the parent of one or more ORGANIZATION AREAs.
ORGANIZATION COMPANY	Reference	Organization hierarchy level within an ORGANIZATION CORPORATE and is the parent of one or more ORGANIZATION CHAINs.
ORGANIZATION CORPORATE	Reference	Highest level of ORGANIZATION HIERARCHY and is the parent of one or more ORGANIZATION COMPANYs.
ORGANIZATION DISTRICT	Reference	Organization hierarchy level within ORGANIZATION CORPORATE.
ORGANIZATION HIERARCHY	Reference	User defined. Master list of all of the hierarchies in an organization.
ORGANIZATION HIERARCHY LEVEL	Reference	The description of different levels in organization hierarchy.
ORGANIZATION HIERARCHY LEVEL ASSIGNMENT	Reference	Assignment of Hierarchy Levels to ORGANIZATION HIERARCHY.
ORGANIZATION HIERARCHY VERSION	Reference	Version of ORGANIZATION HIERARCHY.
ORGANIZATION LEVEL	Reference	List of all the business levels within an organization.
ORGANIZATION LEVEL ATTRIBUTES	Reference	Attributes applicable only to the corresponding level in the organization. Possible values that can be stored in this entity can be, regional language.
ORGANIZATION LEVEL ATTRIBUTES VALUE	Reference	The attribute value of organization hierarchy.
ORGANIZATION MARKET DATA	Reference	Publicly available and statistical information regarding the internal or external parties, such as DUNS number and number of employees. DUNS numbers are specific to ORGANIZATIONs and SIC codes are for industry sectors. So many Organizations with different DUNS numbers can have the same SIC code.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
ORGANIZATION NAME	Reference	Different types of organization name represent their business legal status.
ORGANIZATION REGION	Reference	Holds region within a company, chain area. Organization hierarchy level within an ORGANIZATION AREA and is the parent of one or more ORGANIZATION DISTRICTs.
ORGANIZATION SERVICE WEBSITE	Reference	Sub-type of the ORGANIZATION BUSINESS UNIT, it collects all information on (normally public) website managed by the carrier. A website owned/commissioned by the organization from where product/services can be purchased and supported.
ORGANIZATION WAREHOUSE	Reference	Location in which goods or merchandise (routers, maintenance parts, computers, and so on) are stored but not sold, before they are sent to the shops or utilized by carriers. For example: • Chairs • Engine part • Maintenance part A place in which goods or merchandise are stored; a storehouse. The warehouse is to store the equipment instance like maintenance parts before delivering to the customer.
ORGANIZATIONAL DEMOGRAPHY VALUE	Reference	User defined attribute definitions and corresponding values regarding demographic statistics as related to an ORGANIZATION BUSINESS UNIT. Describes the detailed information and its value collected about organizations.
OTHER INDIVIDUAL	Reference	Individual party associated with a PARTY organization other than those defined, For example: • Customer • Employee
OUTSIDE PROCESSING ORDER	Base	An order that is sent outside of the organization for processing (sub-contract).
PACKING SLIP	Base	A document that identifies the merchandise items a supplier claims to be shipping to the store against one or more PURCHASE ORDERs.
PART	Base	An article or component approved for use / installation onto an aircraft / Engine / Component assembly /sub-assembly.
PART CHANGE	Base	The change record for an article or component removed / installation onto an aircraft / Engine / Component assembly /sub-assembly.
PART LOCATIONS	Reference	Location of part(s) within the organization.
PART SERIAL NUMBER	Base	Unique part identification number.
PARTNER EARNING	Base	The entity is used to store all the miles earning activity from carrier's partners.
PARTNER PROMOTION PROGRAM	Reference	Assigns costs of a given promotion to a partner or a PARTY participating in the promotion.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PARTY	Reference	Any individual or an organization of interest to the enterprise. A party is a real person, organization, branch, subsidiary, legal entity, holding company, and so on. Any real thing that you would want to put a name to is a party. The attributes of a party are universal. In other words, they are independent of your selling (or ultimately buying) relationship with the party. A party is not necessarily a customer. It can represent prospects and parts of an organization hierarchy (branches, head offices, corporate conglomerates) that may not necessarily have a billing relationship with the company. Any party that has an active account can be considered a customer. Historical information concerning the party is available in the Parties History table.
PARTY ACCOUNT ASSIGNMENT	Reference	Describes the relationship between PARTY and account. For example, this assignment tracks the owning party of the account: • A party is a warrantor of an account. • A party is responsible for payment of the account.
PARTY ADDRESS LOCATION ASSIGNMENT	Reference	Associates one or more addresses with a PARTY. Captures history of the names and addresses associated with a party or customers.
PARTY ASSIGNMENT	Reference	Association of a PARTY with one or more other PARTY. The relationships may include those among customers or between customers and the airline.
PARTY CONTACT INFORMATION	Lookup	Contact information for a party. For example, email and cell phone number.
PARTY CONTACT INFORMATION TYPE	Lookup	Keep the type of contact information. For example: • Email • Home telephone Number • Office telephone Number • Cell phone Number • Pager Number
PARTY CONTACT LIST PARTICIPATION	Reference	Relationship between PARTY and contact list. For example, a party belongs to a contact list.
PARTY COST ASSIGNMENT	Base	Assignment of cost items to a PARTY. One party may incur multiple costs. For example, for a customer acquisition, the customer might be given any of the following items that lead to costs: • Maintenance Part • Network Device • Gifts • Cost might be assigned to multiple parties. For example, for operational cost several organizations may share the same expense on a promotion or campaign
PARTY DEMOGRAPHIC	Reference	A demographic profile for a PARTY.
PARTY DEMOGRAPHY VALUE	Reference	Defines individual and organization demography value for a given party demographic profile.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PARTY GEOGRAPHY ENTITY ASSIGNMENT	Reference	Assigns a PARTY to one or more GEOGRAPHY ENTITYs. Depending on type of PARTY, the relationship might be: • Some customer belongs to some country, visited (roamed or not) other countries. • Organization's HQ is located at a city. • External operation has business at some country.
PARTY IDENTIFICATION	Reference	Identifying information unique to a PARTY. For example: • Personal identity card number • Driver license number • Social security number
PARTY IDENTIFICATION TYPE	Lookup	Lookup for valid Types of PARTY IDENTIFICATION. For example: • Driver's License • DUNS Number • Social security number
PARTY INTERACTION	Base	Specifies all interactions or communications with the customer. For example: • Faults • Inbound and outbound telemarketing • Direct mail • SMS • Email • Service calls • Debt collection • Complaints
PARTY INTERACTION CALL	Base	Subtype of PARTY INTERACTION which represents all telephone call interactions from the customer with details information including: holding, queuing, and interaction time, run by the Automated Voice Response (AVR) or not.
PARTY INTERACTION EMAIL	Base	Subtype of PARTY INTERACTION, which represents email interaction from customers.
PARTY INTERACTION FAX	Base	Subtype of PARTY INTERACTION, which represents FAX interaction from customers.
PARTY INTERACTION ITEM	Base	The interaction items in each PARTY INTERACTION event. For example, in a party interaction event: when the customer calls the call center there can be several party interaction items: • Change flight A to B • Change flight C to D • A complaint about food on flight E
PARTY INTERACTION ITEM STATUS	Lookup	Documents the various customer interaction statuses. For example: • Planned • In-progress • Executed • Closed
PARTY INTERACTION LETTER	Base	Subtype of PARTY INTERACTION, which represents the interaction with customer through letter.
PARTY INTERACTION SMS	Base	Subtype of PARTY INTERACTION, which represents the SMS interaction from customers.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PARTY INTERACTION THREAD	Base	If a customer raises multiple complaints about the same issue, those calls are grouped into single thread.
PARTY INTERACTION VISIT	Base	Subtype of PARTY INTERACTION, which represents the visit interaction from customers.
PARTY LANGUAGE CAPABILITY	Reference	Store the language capability as the reference to the related party attribute.
PARTY NAME	Reference	Lists any other names along the life history used by a given PARTY.
PARTY ORDER ASSIGNMENT	Base	Assignment of a party to a given order. For example: The Sales Agent gets a sales commission because of the customer order.
PARTY PROMOTION RESPONSE	Base	Response of a PARTY to a PROMOTION. For example, positive responses: • The customer accepted the offer • The customer increased or modified their usage • The customer changed a specified behavior (for example moved from payment by check to an electronic payment option)
PARTY ROLE	Reference	Lookup for Roles a PARTY may be assigned for an event. For example: • Customer • Reseller • Manager • Dealer • Employee
PARTY ROLE ASSIGNMENT	Reference	Assigns party roles that the party acted as to the PARTY. PARTY ROLEs are X-X relationships and it may change due to contract change and so on.
PARTY SKILL	Reference	The list of skills which a party may have.
PARTY STATUS	Reference	The status of a party.
PARTY STATUS CHANGE REASON	Lookup	Lookup for valid reasons that may be assigned for a PARTY STATUS change. For example: • Hire • Transfer • New customer
PARTY STATUS HISTORY	Reference	Describes the current party status history, regarding for topics of carrier interest. Historical information captured for the complete lifetime of the customer or dealer. The information may be calculated from internal data. For example: • Payment • Obtained from an external source, such as a credit rating agent

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PARTY STATUS TYPE	Reference	Status type of the party. For example: • In the category of customer status, Values may include: – Active – Inactive – Defaulted – New Customer – VIP customer – Black Listed • In the category Prospect Status, values may include – New Prospect – Contacted – No interest – Interested – Purchased – Rejected
PARTY TYPE	Lookup	Lookup for party type that classifies involved parties according to their inherent characteristics and structure. For example: • Person • Organization • Organization Business Unit (Internal)
PASSENGER CONTACT	Reference	This is an operational layer entity stores the contact information of the passenger in the BOOKING.
PASSENGER COUNTRY ADDRESS INFORMATION	Reference	Essential documents about the passenger. For example: • Country • State • Zip
PASSENGER VISA INFORMATION	Reference	Visa details of the passenger.
PASSPORT	Reference	The passport as a type of PARTY IDENTIFICATION.
PAX COUPON DATA	Reference	The passenger ticket coupon data.
PAX INVOICE HEADER	Reference	The passenger invoice header data.
PAX TRANSFER	Base	TBS
PDI CHANNEL	Reference	Check-in channel origins. Acceptance channel types can be Front-End, KSK for Kiosk, MBL for Mobile check-in channel origin. For example: • A for airline (check-in agent) • S for Self-Service
PDI CHARACTERISTIC	Reference	Characteristics of the PDI.
PDI H	Base	The history of passenger checking details at the transaction level.
PHASE	Reference	Period within a SEASON.
PHYSICAL COUNT DOCUMENT	Base	The document on which the actual SKU ITEM counts are recorded on the day of the physical inventory. This is raw and unedited data that is captured during the inventory.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PHYSICAL COUNT DOCUMENT LINE ITEM	Base	The line detail which records the number of units counted during the Physical Inventory. This is raw and unedited data captured and will compared to the book stock to determine the actual unit and financial discrepancy for that ITEM.
PLANNING QUARTER	Reference	Quarter level in the planning calendar.
PLANNING SEASON	Reference	Season level in the planning calendar.
PLANNING WEEK	Reference	Week level in the planning calendar.
PLANNING YEAR	Reference	Year level in the planning calendar.
PNR	Reference	The complete details of a passenger's BOOKING, including itinerary, contact details, and special requests. A PNR is uniquely identified by a record locator.
PNR GDS INFO	Base	The Global Distribute System (GDS) information of each PNR.
PNR PARENT CHILD RELATIONSHIP	Reference	Parent child relationship of the PNR and gives details about the split PNRs.
PNR RELATIONSHIP	Base	Specifies the different relationships between two PNR, like split PNR.
PNR TYPE	Reference	This is an operational layer entity which stores the information of the PNR type. It contains the type of PNR. IND= “Individual", GRP= “Group", COR= “Corporate" or NCO= “Non Commercial" Lookup for the type of PNR.
POS DEPARTMENT	Reference	Point of Sale (POS) grouping of items with similar point of sale control and processing attributes. The entity type may also be used to control sales that are not properly identified at the item level.
POS GOODS OFFICE	Reference	This is a entity in the operational layer to cater to a particular condition used to interpret the office. Apart for the five offices mentioned below all the other offices follow a standard logic: • OSAAY0100 • TYOAY0100 • NGOAY0101 • NYCAY0111 • TAYAY0550
POS IDENTITY	Reference	A simple cross-reference between the barcode, point of sale scan code or other keyed identifying number used at POS and the internal stock keeping Item ID for the item. The POS Item ID will generally be filled with the GTIN (UPC, EAN, and so on) for an item -- but it is not mandatory.
POSTCODE	Reference	Postal codes and associative demographic information of interest to the carrier.
PREFERENCE TYPE	Reference	Specifies the different PNR preference types.
PRICE DERIVATION RULE	Reference	The specification of a method to be used to transform the current sell unit retail amount to the price charged to account based on a discount group.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PRICE LIST	Lookup	Lookup for the basic published or advertised price, often subject to discount. For example: • Standard • Discounted • Negotiated
PRICE MODIFICATION LINE ITEM	Reference	A line item component of a RETAIL TRANSACTION that records the granting of a reduction or increase of price on all ITEMs in the transaction.
PRODUCT ENTITY	Reference	Any logical entity that is recognized as a product or item for Business Analysis and transactions.
PRODUCT OFFERING	Reference	Defines how a product is brought to market, including: positioning, pricing, and bundling details. For example: • Flight and Hotel and Car rental packaged with a total discount as a product offering • Weekend flight ticket between two cities, packaged as season or half year or year package
PROFILE SOURCE	Reference	The source from which a GEOGRAPHY DEMOGRAPHY VALUE is acquired or populated. For example, a mailing list provider.
PROJECT	Base	TBS
PROJECTS_ALL	Base	TBS
PROMOTION	Reference	The promotion reflects the tactics a carrier undertakes to generate increased incremental PAX volume for specific segment combinations within a promotional event. Promotions are frequently communicated as part of a marketing campaign to ensure that awareness is generated with the target audience. A collection of eligibility and price derivation rules, during a specific time.
PROMOTION CLUSTER USAGE	Base	Assigns a particular customer segment (cluster) to a given promotion or list of promotions. The customer segments are generated by certain analytical application (including Oracle Mining) and this assignment tracks the usage of customer segment in the promotion.
PROMOTION ITEM	Reference	Associative entity connecting any level of the item hierarchy and organization hierarchy, and optionally a VENDOR, with the promotion.
PROMOTION MANAGEMENT HISTORY	Base	A history of campaign party role about management of a campaign episode.
PROMOTION MESSAGE RENDERING	Reference	Details regarding each CAMPAIGN MESSAGE broadcast through a MEDIA OBJECT. For example: • If the channel is a newspaper, then the media object is the page and the picture. • For a TV advertisement, how frequently the message is broadcast, and the time for each broadcast.
PROMOTION PRODUCT OFFERING ASSIGNMENT	Reference	Associates product market plans to a promotion.

Table 2-2 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PROMOTION SELLING ITEM	Reference	Associative entity linking promotion item and campaign media selling item, and the prices which may be used for the item during the promotional period.
PROMOTION TYPE	Lookup	Lookup for the type of PROMOTION (normally for a limited time). For example: • An upsell promotion in a special segment, such as a free extra checked bag. • A special discount for retention programs: additional mileage with each flight. • A Survey.
PROSPECT	Reference	An individual, collection of individuals, a company, or a public institution that has not purchased merchandise or services, but may in the future. A prospect may also be a CUSTOMER of one PRODUCT (already purchased) that does not currently purchase another PRODUCT (may purchase).
PROSPECT INDIVIDUAL	Reference	Specifies attributes of an individual prospect, one who is not an organization.
PROSPECT ORGANIZATION	Reference	Specifies attributes of an organization prospect.
PURCHASE ORDER	Base	TBS
PURCHASE ORDER LINE ITEM	Base	Items, quantities and amounts included in a PURCHASE ORDER.
QUALITY PLANS	Reference	TBS
QUALITY RESULTS	Base	TBS
QUARTER HOUR	Reference	Quarter Hour level in Time of Day.
QUARTER TO DATE TRANSFORMATION	Reference	Cumulative time transformations at the quarter level.
QUARTER TRANSFORMATION	Reference	Transformation for a quarter. For example: • This quarter last year • This year last quarter

Table 2-3 R to Z Entity Descriptions

Entity Name	Type	Description
REASON	Lookup	Lookup for reason codes. Reason codes are grouped into REASON CATEGORYs based on where they are referenced.
RECEIVING DOCUMENT	Base	Subtype of INVENTORY CONTROL DOCUMENT that is used by a store to record its acceptance of items shipped to it by a VENDOR against a PURCHASE ORDER and the VENDOR packing slip.
RECTAFICATION INTERVAL	Lookup	Time in which an item must be rectified.
RECTIFICATION INTERVAL EXTENSION	TBS	Rectification extension indicator.

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
RELIGION	Reference	This lookup keeps information on religions. Examples are Christianity, Islamic, and Hinduism.
REPAIR_CATEGORIES	Reference	Repair category.
REQUISITION DOCUMENT	Base	A type of INVENTORY CONTROL DOCUMENT recording a request for SKU ITEMs to be sent from a ORGANIZATION DISTRIBUTION CENTER to a ORGANIZATION STORE.
RETAIL SALE RETURN LINE ITEM	Base	A line item component of a RETAIL TRANSACTION that records the exchange in ownership of a merchandise item (for example, a sale or return) or the sale or a refund related to a service.
RETAIL SEASON	Reference	Allows the user to categorize each item according to different seasons and phases within a season. That is, a user may assign a season of “Spring" to a group of items, according to the supplier's deliveries of fashion items. Those relationships can be further broken down into the phases, such as “Spring I and Spring II.".
RETAIL STORE	Reference	Subtype of internal organization. Note: a retail store may contain several SELLING LOCATIONs.
RETAIL TRANSACTION	Base	A type of transaction that records the business conducted between the carrier and another party involving the exchange in ownership or accountability, or both, for merchandise or tender, or both, or involving the exchange of tender for services.
RETAIL TRANSACTION LINE ITEM	Base	A detail line item of a RETAIL TRANSACTION that records the business conducted between the ORGANIZATION STORE and another party involving the exchange in ownership or accountability, or both, for merchandise or tender, or both, or involving the exchange of tender for services.
RETURN AUTHORIZATION REQUEST	Base	A type of INVENTORY CONTROL DOCUMENT that makes a request to a VENDOR to grant permission to return merchandise that is received and found to be unsuitable for sale or other use at the store.
RETURN DOCUMENT	Base	A type of INVENTORY CONTROL DOCUMENT that lists the merchandise items to be returned by the store to the VENDOR as a result of: the following: • Errors in delivery • Substitutions in shipment • Late delivery • Defective materials, workmanship, or fit • Other breaches of contract
REVENUE COST DERIVED	Derived	Summary level entity which represents the cost related summary calculation.
REVENUE COST ELEMENT	Lookup	This is a lookup entity for the different types of revenue cost items. The data is the lowest level of the revenue cost group hierarchy. For example: • Fuel Surcharge • Mail Revenue • Fuel Tax

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
REVENUE COST ELEMENT CATEGORY	Lookup	Lookup entity to roll up different cost elements into different categories. For example: • Passenger Revenue • Fuel • Landing and Parking
REVENUE COST ELEMENT GROUP	Lookup	This is a lookup entity to roll up different revenue cost element categories into different groups. For example: Revenue, Variable DOCS, Fixed Expenses
REVENUE COST TRANSACTION	Base	This is the base transaction entity to store each and every single revenue or cost transaction record.
ROLES HIERARCHY	Reference	Hierarchy among the job roles within an organization.
ROUTEPAIRS	Reference	Route Pair means a grouping of Routes. It is a synonym for Route Hierarchy Level 5. Usually a Route Pair is the combination of two Route Numbers in both directions, but sometimes not. For example: • Route Pair 0152/0157/0158 MOW contains Routes 0152, 0157 and 0158. For multi-leg out-and-return flights the Route Pair is named after the end stop of the flight (0097/0098 SIN for 0097 HEL-BKK-SIN) • For triangular flights the Route Pair can either be named after the whole journey (0439/0440 OUL/RVN for 0439 HEL-OUL-RVN), or only the first stop (0911/0912 BER for 0911 HEL-TXL-HAM-HEL)
ROUTES	Reference	Route means a number of flights that carry the same flight number. For example: • 831 HEL-LHR. Only one flight operates on a route on any given day. • For direct flights each route covers only one LEG (outbound or inbound). For multi-leg out-and-return flights each route covers all legs of each direction. For example: HEL-BKK-SIN). • For triangular flights each route can either cover the whole triangle (For example: HEL-TXL-HAM-HEL), or part of it. For example: HEL-OUL-RVN part of HEL-OUL-RVN-HEL).
ROUTINE	Base	Routine / Planned work
SALE OR RETURN ACTION	Reference	A code denoting how the item is being treated in the line item. For example: • Layaway • Order For Delivery • Previous Layaway • Return Item • Sale Item • Return
SALES CHANNEL	Reference	Sales channel or alternatively called booking channel is derived from the BOOKING OFFICE which gives us the channel from which the BOOKING is performed.
SALES CHANNEL REPRESENTATIVE	Reference	The sales representatives who sell the product to the customer. For example: • Sales Representative in the operator owned shops, Direct sales representatives in the call center, and dealers in case of partner. • For sales channel, The current analytical path is: Internal org type => internal org => Sales representative

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
SALES FORECAST ITEM ORG HIERARCHY WEEK	Reference	Weekly sales forecast information at given levels of ITEM, and organization hierarchies.
SALES PLAN ITEM ORG HIERARCHY WEEK	Reference	Weekly sales plan including Returns, Cost of Sales, PROMOTIONs, Clearance, at given levels of ITEM and ORGANIZATION HIERARCHY.
SALES RESTRICTION	Reference	A type of limitation that restricts the sale of a particular class of item.
SCRAP_VALUES	Base	TBS
SEASON	Lookup	This is the description of the different seasons defined by the airline.
SECOND	Reference	Second hierarchy level as defined in Time Hierarchy.
SEGMENT CRITERIA	Reference	Minimum and Maximum scores for each segment associated with an ACCOUNT SEGMENT or CUSTOMER SEGMENT.
SEGMENT SCHEDULE	Base	Describes the details of the date and time that a CARRIER has scheduled to the market. Segment is a commercial term and means a portion of a Journey between boarding and disembarkation points. A Segment may cover one or more LEGs CARRIERs publish schedules of Segments and publish Availability for them. Passengers reserve Segments on a BOOKING. This is an operational layer entity which stores segment details such as the board point airports and offpoint airports.
SELLING LOCATION	Reference	An area of floor space or shelf space within the ORGANIZATION STORE to which sales can be assigned. The selling location may be assigned to or rented by a VENDOR.
SELLING LOCATION TYPE	Lookup	Lookup for type code and description used to define a SELLING LOCATION: For example: • Store • Floor • Aisle • Shelf
SERVICE	Reference	The type of the postal service. For example: • Ordinary mail • Express
SERVICE CONTRACT	TBS	TBS
SERVICE COVERAGE AREA	Reference	Specifies the coverage area of a given Service Spec. The geographic area covered by service provider with certain product combination. Service areas are defined so that service providers can determine the demographic / psychographic / population data the geography served by the carrier.
SERVICE COVERAGE GEO DETAIL	Reference	Specifies the detailed geographical data about each service coverage area.
SHIPMENT METHOD	Lookup	Lookup for different types of shipment methods. For example: • Shipment by air • Shipment by sea • Shipment by rail

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
SHIPMENT PRIORITY	Lookup	Lookup for different types of shipment priority. For example: • Primary • Secondary • Tertiary
SKILL TYPE	Lookup	Lookup of SKILL TYPE for a individual party
SKU ITEM	Reference	Stock Keeping Unit or unit identification, typically the UPC, used to track store inventory and sales. Each SKU is associated with an item, variant, product line, bundle, service, fee, or attachment. **Aggregate SKU**: Subtype of SKU that is an aggregation of one or more constituent SKU. The constituent items may be sold individually. **Group Select**: An item, which is a group of items, only one of which is sold. The choice of which item is made by the customer at the POS. **Prepared**: A sub-type of SKU ITEM that is manufactured (or prepared) for sale from a set of BULK ITEM with a RECIPE. A PREPARED SKU ITEM is different from an SKU ITEM because a PREPARED Item is not booked into inventory when the item is manufactured; nor is it removed from inventory when it is sold; rather the inventory for the BULK ITEM constituent parts as defined by the recipe is reduced when the prepared item is sold. **Service SKU**: A type of SKU that provides a detailed identifier and description for a service offered for a sale to customer in the retail store. Service SKU also identifies and describes rental items and other tangible items that are used by the customer for a contracted period, but not purchased. **Stock**: A unit of merchandise that may be sold to a customer or used by the ORGANIZATION STORE.
SOC JOB	Reference	The most detailed level of job code from Standard Occupational Classification (SOC) System. For example: • 15-1041 Computer Support Specialists • 15-1011 Computer and Information Scientists Research • 15-1021 Computer Programmer
SOURCE SYSTEM	Reference	System of record from which Oracle Airlines Data Model data was loaded. For example, GDS system, CRM system.
SOURCE SYSTEM KEY MAPPING	Reference	Track Key of the PARTY (customer or employee) in the originating source system. This key can be used back to track information back to source management system. The party can consolidate different people from different source systems, such as CRM, Billing, into a unique one. Therefore, the multiple keys for the same unique party is saved here.
SSR	Reference	The Special Service Request (SSR) is a request to an airline for services or amenities other than the standard requests. For example: • Wheelchair usage • Meals for special diets The Special Service Request captures the information of the history and current service request information added, deleted from the source system.

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
SUBSCRIPTION	Reference	The record of CUSTOMER using a product or service which may be based on a contract. CUSTOMER's subscription to services is the basis of billing and network usage authorization.
SUPPLIER	Reference	Vendor of any service or product to support the operation of carrier.
SWOT TYPE	Lookup	Type of SWOT analysis. A Strength, Weakness, Opportunity, Threat (SWOT) that an enterprise has when compared to a Competitor. SWOT analysis is a formal framework of identifying and framing organizational growth opportunities.
SYSTEM PARAMETER TABLE	Control	This is a system management table used by ETL to populate the audit columns and generated ids for the audit columns and stores the details of the ETL data load.
TARGET ACCESS METHOD	Reference	The Access Methods included in a specific CAMPAIGN.
TARGET ACCOUNT	Reference	The Customer Accounts included in a specific CAMPAIGN.
TARGET GEOGRAPHY AREA	Reference	The Geography information included in a specific CAMPAIGN.
TARGET TYPE	Lookup	Indicates the type of targets in a specific Promotion: Examples: Customer ACCOUNTs, Access Method, geography area, and so on.
TASK ASSIGNMENT	Reference	TBS
TASK EFFECTIVITIES	Base	Effectivity of a particular task, allows a single task application to be controlled based upon a defined criteria.
TASK LIST	Base	List of tasks.
TAX LINE ITEM	Reference	A line item component of a RETAIL TRANSACTION that records the charging and offsetting liability credit for sales tax on merchandise items and services sold by the store or debit for merchandise returned to the store.
TAXABLE GROUP	Reference	A group of ITEMs for which a TAX AUTHORITY defines TAX GROUP RULEs. For example: • Food items • Hard goods
TENDER	Reference	Tender includes all the forms of payment that are accepted by the ORGANIZATION STORE in settling sales and other transactions.
TERMINAL	Reference	Specifies the airport terminal related information.
TICKET	Base	Ticket means a document entitled "Passenger Ticket and Baggage Check" is issued by or on behalf of a CARRIER and includes the Conditions of Contract and notices and the Flight Coupons and Passenger Coupons contained therein. The ticket stores the ticket number and the issuing office for the ticket. Ticket means a document entitled "Passenger Ticket and Baggage Check" issued by or on behalf of a CARRIER and includes the Conditions of Contract and notices and the Flight Coupons and Passenger Coupons contained therein (IATA PAT-GR-1). This is a operational layer entity which stores the ticket number and the issuing office of the ticket.

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
TICKET COUPON	Reference	Coupon means either a Flight Coupon or a Passenger Coupon. When used alone, it usually refers to a Flight Coupon. Stores details about the coupons. This is an operational layer entity which stores details about the coupons.
TICKET DELIVERY ARRANGEMENT	Base	The ticket delivery arrangement for the TICKET. For example: • Queue number • Delivery system
TICKET FACT	Derived	This is a summary for the information related to ticket.
TICKET PRICE	Base	This is the base level information for the details of ticket pricing.
TICKET PRICING DISCOUNT	Base	This is the base level information for the details of ticket price discounts.
TICKET PRICING DOCUMENT DETAILS	Base	This is the base level entity with information on the details of ticket price document.
TICKETING FORM OF PAYMENT	Reference	This is a reference entity for information about the form of a payment for ticketing.
TIME DIM	Reference	This is a global dimension which stores the details in the granularity of minutes which rolls up to hour.
TIME PERIOD	Lookup	TBS
TIME STANDARD BY DAY	Reference	Relates the calendar day to a season and to a standard day. Specifies the relationship between a given day and all days of a given season up to that day.
TIME STANDARD BY WEEK	Reference	Relates the calendar week to a season and to a standard week. Specifies the relationship between a given week and all days of a given season up to that week.
TIME TOTAL	Reference	Represents the top most level of time. This is needed to enable Ad-Hoc reporting involving the Time Dimension.
TIME ZONE	Base	Time zone relative to Greenwich Mean Time (GMT).
TOUCHPOINT	Reference	Place where the transactions take place. The meeting point for customer and retail organization. The touchpoint can be both logical and physical. • Call Center: A department within a retail organization or a third-party organization that handles telephone sales service. • Store Workstation: A device used as an as interface to any retail business function. For example, the capture and storage of TRANSACTIONS and operational performance reporting.
TOUR	Base	Represents tour and tour related information.
TRACKED ITEM	Base	Item that can be uniquely identified and tracked

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
TRAFFIC CATEGORY	Reference	Traffic Category is a term used for the purposes of categorization and reporting on Route Profitability to categorize the flights into: • Atlantic Scheduled Flights • Atlantic Ad-hoc Flights • European Scheduled Flights • European Ad-hoc Flights • Near-East Scheduled Flights • Near-East Ad-hoc Flights • Domestic Flights • Far East Flights Traffic category is used in combination with Traffic Area/Traffic Type for this purpose. In CADS, this categorization is split into two categorizations: Traffic Flight Type and Route Hierarchy Level 1. It stores the detailed information about the traffic category.
TRANSACTION TYPE	Lookup	Further classifications of TRANSACTION CATEGORY.
TRANSFER EARNING	Base	Points are transferred from one account to another.
TRANSFER IN OUT DOCUMENT	Base	A type of INVENTORY CONTROL DOCUMENT that is completed during return of the item to the supplier or a transfer of the item without any purchase order.
TRAVEL CLASS	Lookup	TBS
TSM	Reference	The TSM is a pricing record associated to one passenger only, the one the MD PNR element is associated to. There is a TSM for each type of MD PNR element, composed of common TSM attributes, presented in this class, and specific ones (presented in class TSMMCO, TSMSVC, and TSMXSB). Stores details of the TSM.
TSM DOC	Base	This is the base level entity for information on the details of TSM document data.
TSM EXCESS BAGGAGE	Reference	This is a subset of TSM which stores the excess baggage charge details of the passenger of the TSM. This corresponds to the description of the charge for excess baggage. Stores information about the pricing carrier, price routing department, weight value, weight piece currency of the excess baggage. This is an operational layer entity which stores information about the pricing carrier, price routing department, weight value, weight piece currency of the excess baggage.
TSM MCO	Reference	This is subset of TSM which stores the miscellaneous charge order of the TSM. Stores the details of the MCO. For example: • Endorsement restrictions • Tour code
TSM MCO FARES	Reference	This is a reference level entity for information on the TSM MCO fare information.
TSM MCO TAX	Base	This is the base level entity with information on the details of TSM MCO tax.
TSM PASSENGER	Reference	Specifies passenger personal information associated with a TSM.
TSM PAYMENT	Base	This is the base level entity with information on the details of TSM payment data.
TSM PRICE	Reference	Information about the fares and taxes, depending on the TSM type.

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
TSM RFI	Base	This is the base level entity with information on the details of TSM RFI.
TSM ROUTE	Reference	The routes of TSM mainly the CARRIER from city to city and stop over indicator.
TSM SERVICE	Reference	This is a subset of TSM which stores the service fee for the TSM. Stores the details of Service Fee (SVC). For example: • Remarks • Present to
TSM XSB RATE	Base	This is the base level entity with information on the details of TSM XSB rate data.
UNIT CONFIGURATION HEADER	Reference	Individual items configuration header.
UNIT CONFIGURATION HISTORY	Reference	TBS
UNIT MAINTENANCE PLAN	Reference	Specifies unit specific maintenance needs projected out into the future.
UNIT MAINTENANCE PLAN COUNTER HISTORY	Refence	TBS
UNIT MAINTENANCE PLAN THRESHOLD RULE	Reference	Threshold specific rule - Start/Stop value, tolerances, and so on.
UNIT SCHEDULES	Base	TBS
UNIT_ACCOMPLISHMNTS	Reference	Unit accomplishment of requirements
UNIT_DEFERRALS	Reference	TBS
UNIT_EFFECTIVITIES	Base	TBS
USER	Reference	Associative entity for EMPLOYEE and JOB ROLES. Assigns a unique ID for each job role that an employee performs at a particular department.
VALUE TYPE	Lookup	Value type describes the type of value. Value type can be time or money.
VEHICLE	Reference	Details of the Vehicle which can be an aircraft, bus, ship, rail, and so on.
VENDOR	Reference	External source for merchandise and goods that the ORGANIZATION STORE offers or for supplies and goods.
VENDOR CONTRACT	Reference	Details of contract with VENDOR.
VENDOR ITEM	Reference	Items supplied by the VENDOR with vendor-specific item and provides the vendor-specific attributes of the item. Provides the vendor's view of the item and uses the vendor's descriptions of item attributes.
VENDOR SITE	Reference	Subentity of VENDOR indicating the vendor location which supplies the item.

Table 2-3 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
VIRTUAL TEAM	Reference	The virtual team beside department hierarchy formed for a specific purpose. For example: • Sales Team A,B,C • Customer Support Team A,B,C • Project team • Strategic Account management team including sales and support
WARRANTY_ENTITLEMENTS	Reference	Warranty details
WEEK TODATE TRANSFORMATION	Reference	Cumulative time transformations at the week level.
WEATHER	Base	Weather details at a specific date, time, and location
WEEK TRANSFORMATION	Reference	Time transformations at the week level.
WEEKDAY	Reference	Calendar weekdays.
WORK ORDER	Base	Work Order details, including actual start and finish.
WORK ORDER OPERATION	Reference	Work Order operation details including actual start and finish.
YEAR TRANSFORMATION	Reference	Transformations at the year level.

3

Oracle Airlines Data Model Physical Data Model

Provides information about the physical data model of Oracle Airlines Data Model.

3.1 Introduction to Oracle Airlines Data Model Physical Data Model

Describes the Physical Data Model. The Physical Data Model of Oracle Airlines Data Model is the physical manifestation of the logical data model into database tables and relationships (or foreign key constraints).

> **Note:**
>
> Do not make changes to the schemas as such changes are not supported.

The following table shows the table name prefix conventions. When you examine the predefined physical model, keep in mind the naming conventions that use DW (Data Warehouse) prefixes to identify the types of tables and views.

Table 3-1 Table Name Prefix and Suffix Conventions

Prefix	Description
CB$	Materialized view of an OLAP cube. This materialized view is automatically created by the OLAP server. Note: Do not report or query against this object. Instead access the corresponding _VIEW object.
DM_	Data Mining Settings
DMV_	Materialized views used for as the source data of data mining model
DWA_	Aggregate tables
DWB_	Base transaction data (3NF) tables
DWC_	Control tables
DWD_	Derived table (including data mining result tables)
DWL_	Lookup tables
DWL_	Lookup table
DWR_	Reference data tables used as dimension tables in a foundation layer fact table (that is, for a DWB_ table)
DWV_	Relational view of time dimension
_VIEW	Suffix specifies relational views of OLAP cubes, dimensions, or hierarchies.

3.2 Reference Tables

Lists the reference tables in Oracle Airlines Data Model.

Reference Tables

In the Oracle Airlines Data Model foundation layer, DWR_ tables (also known as reference tables) act as dimension tables to the base (DWB_) tables.

DWR_ACCT
DWR_ACCT_DIM
DWR_ADDR_LOC
DWR_ADDR_LOC_STAT_HIST
DWR_ADDR_RLTD
DWR_AGNCY
DWR_ALTVE_ITEM
DWR_ARCFT
DWR_ARCFT_TYP
DWR_ARCFT_VRSN
DWR_ARCFT_VRSN_DIM
DWR_ARPRT
DWR_ARPRT_DIM
DWR_BASE_DAY
DWR_BKG_CLS
DWR_BKG_CLS_TYP

DWR_BKG_CUST_REF
DWR_BKG_OFFC
DWR_BKG_OFFC_DIM
DWR_BKG_OFFC_USER
DWR_BKG_PROD
DWR_BKG_PROD_DTL
DWR_BKG_PAX
DWR_BKG_PAX_DIM
DWR_BKG_PAX_DOC_INFO
DWR_BKG_SEAT
DWR_BKG_SEAT_PREF
DWR_BKG_SRIS
DWR_BKG_SVNG_AMT
DWR_BKG_TST_DIM
DWR_BLK_LST_HIST
DWR_BNK
DWR_BNK_CARD
DWR_BSNS_HLF_MO
DWR_BSNS_HLF_YR
DWR_BSNS_MO
DWR_BSNS_MO_DIM
DWR_BSNS_QTR
DWR_BSNS_TEN_DAYS_CYCL
DWR_BSNS_UNIT_JB_RL
DWR_BSNS_UNIT_SHFT
DWR_BSNS_YR
DWR_CALL_CNTR
DWR_CALL_CNTR_AGNT
DWR_CALL_CNTR_SRVC_CAPBLTY
DWR_CARRIER
DWR_CARRIER_DIM
DWR_CARRIER_TYP
DWR_CAR_PROD
DWR_CAR_RNTL_MDL
DWR_CDSHR
DWR_CHKIN_BAG_GRP
DWR_CHKIN_INDVL_BAG
DWR_CHNL
DWR_CLNDR
DWR_CLNDR_HLF_MO
DWR_CLNDR_HLF_YR
DWR_CLNDR_QTR
DWR_CLNDR_MO
DWR_CLNDR_WK
DWR_CLNDR_YR
DWR_CMPGN
DWR_CMPGN_MEDIA_SLNG_ITEM
DWR_CMPGN_MGMT_HIST
DWR_CMPGN_MSG
DWR_CMPTR
DWR_CMPTR_INTLGNCE
DWR_CMPTR_INTLGNCE_PRTY_RL
DWR_CMPTR_MKT_SEG_ASGN
DWR_CMPTR_MKT_SEG_SWOT
DWR_CMPTR_PROD_CRLTN

DWR_CMPTR_SWOT
DWR_CMPTR_TIER_ASGN
DWR_CMPTVE_TIER
DWR_CNTRS
DWR_COMP_INTL_CHR
DWR_COMP_INTL_CHR_VAL
DWR_COMP_INTL_MKT_SEG
DWR_COMP_PROD_CRRL_CHR_ASGN
DWR_COMP_PROD_CRRL_CHR_VAL
DWR_CRDT_SCR_PRVDR
DWR_CRPRT_BSNS_TYP
DWR_CRPRT_CUST
DWR_CRTFCT
DWR_CST_CNTR
DWR_CUST
DWR_CUST_INDVL
DWR_CUST_OCCSN
DWR_CUST_ORG
DWR_CUST_RSTRCT_INFO
DWR_CUST_RVN_BND_ASGN
DWR_CUST_SCR
DWR_CUST_SEG
DWR_CUST_SEGTN_MDL
DWR_CUST_SRC
DWR_DAY
DWR_DAY_ACT_CNDTN
DWR_DAY_TODATE_TRANS
DWR_DAY_TRANS
DWR_DEMOG_ATRIB
DWR_DEMOG_GRP
DWR_DEPT
DWR_DISC_GRP
DWR_DLR
DWR_DOC
DWR_DRVR_VAL
DWR_EDU
DWR_EML_ADDR
DWR_EMP
DWR_EMP_DISC_GRP_ASGN
DWR_EMP_JB_RL_ASGN
DWR_EMP_LANG_CAPBLTY
DWR_EMP_RSTRCT_INFO
DWR_EMP_SCHL
DWR_EXTRNL_CRDT_PRFL
DWR_EXTRNL_CRDT_PRFL_ASGN
DWR_FARE_ELMNT
DWR_FARE_TYP
DWR_FLT
DWR_FLT_DIM
DWR_FLET_HDRS
DWR_FLT_INV
DWR_FLT_INV_NBR_OF_UNITS
DWR_FLT_INV_OPRN
DWR_FLT_INV_SCHL_ASGN
DWR_FLT_INV_STAT

DWR_FLT_LEG_INV
DWR_FLT_LEG_INV_CBN
DWR_FLT_LEG_INV_CBN_ACV_CONFIG
DWR_FLT_LEG_INV_CBN_BLCKSPC
DWR_FLT_LEG_INV_CBN_RMS
DWR_FLT_LEG_INV_CBN_SLCONFIG
DWR_FLT_LEG_INV_SSR
DWR_FLT_LEG_INV_SSR_OPTN
DWR_FLT_LEG_INV_STAT
DWR_FLT_LEGINV_CBN_SLCNFG_CHR
DWR_FLT_SEG_INV
DWR_FLT_SEG_INVCBN_BRDG_FIGDCS
DWR_FLT_SEG_INV_CBN
DWR_FLT_SEG_INV_CBN_CDSHR
DWR_FLT_SEG_INV_CDSHR
DWR_FLT_SEG_INV_STAT
DWR_FLT_SEG_INV_TRFC_RSTRCT
DWR_FLTSEG_INCBBK_CLS_CSBRDRDC
DWR_FLTSEG_INVCBNBKG_SBC_CNTRS
DWR_FLTSEG_INVCBNBKG_SBC_DTFLG
DWR_FLTSEG_INVCBN_BKGCLS_CSRDC
DWR_FLTSEG_INVCNBKG_SBC_AVLBTY
DWR_FLTSEG_INV_CBNBKG_CLS
DWR_FLTSEG_INV_CBNBKG_CLS_STAT
DWR_FLTSEG_INV_CBNBKG_SBC
DWR_FLTSEG_INV_CBNBKG_SBC_NEGO
DWR_FLTSEG_INV_CBN_BKG_SBC_FLG
DWR_FLTSEG_INV_CBN_BKG_SBC_YLD
DWR_FLTSEG_IVCN_BGCS_BDFIG_DCS
DWR_FLTSEG_IVCN_CDSR_BLKSC_CTR
DWR_FORM_OF_PYMT
DWR_FREQ_FLYR
DWR_FREQ_FLYR_DIM
DWR_FREQ_FLYR_PREF
DWR_FSCL_HLF_MO
DWR_FSCL_HLF_YR
DWR_FSCL_MO
DWR_FSCL_QTR
DWR_FSCL_WK
DWR_FSCL_YR
DWR_GEO
DWR_GEO_DEMOG_ATRIB
DWR_GEO_DEMOG_GRP
DWR_GEO_DEMOG_VAL
DWR_GEO_ENT
DWR_GEO_HRCHY
DWR_GEO_HRCHY_LVL
DWR_GEO_HRCHY_LVL_ASGN
DWR_GEO_HRCHY_VRSN
DWR_GEO_LVL
DWR_GEO_LVL_ATRIB
DWR_GEO_LVL_ATRIB_VAL
DWR_GNDR
DWR_HLF_HR
DWR_HLF_MO_TODATE_TRANS

DWR_HLF_MO_TRANS
DWR_HLF_YR_TODATE_TRANS
DWR_HLF_YR_TRANS
DWR_HR
DWR_HSHLD
DWR_HTL_BKG
DWR_HTL_BKG_BILLBL_INFO
DWR_HTL_BKG_CNCT
DWR_HTL_BKG_FORM_OF_PYMT
DWR_HTL_BKG_MISC_RMRK
DWR_HTL_BKG_OPTN_TXT
DWR_HTL_BKG_STAT
DWR_HTL_FCLTY
DWR_HTL_PROD
DWR_HTL_PROD_AMNTY
DWR_HTL_PYMT
DWR_HTL_RM
DWR_HTL_TRF
DWR_HTL_TRF_CHRG
DWR_INDVL_DEMOG_VAL
DWR_INDVL_NAME
DWR_INFLT_MEAL
DWR_INTRACN_RSLT
DWR_INTRACN_RSLT_DIM
DWR_INTRACN_RSN
DWR_INTRACN_RSN_DIM
DWR_INTRACN_RSN_H
DWR_ITEM
DWR_ITEM_SEASON
DWR_JB
DWR_JB_RL
DWR_LANG_DILCT
DWR_LCL_TAX_AUTHRTY
DWR_LEG
DWR_LEG_DIM
DWR_LOT_NBR
DWR_LYLTY_ACCT
DWR_LYLTY_LVL
DWR_LYLTY_LVL_DIM
DWR_LYLTY_PROG
DWR_LYLTY_PROG_DIM
DWR_MBRSHIP_ACCT
DWR_MEDIA_OBJ
DWR_MEL
DWR_MFG_PART_NBR
DWR_MISCLNS_RMRK
DWR_MKT_AREA
DWR_MKT_AREA_DIM
DWR_MKT_AREA_LVL
DWR_MKT_SEG
DWR_MKT_SEG_CHR
DWR_MKT_SEG_CHR_VAL
DWR_MKT_STTSTC
DWR_MKT_STTSTC_INCLSN
DWR_MO_TODATE_TRANS

DWR_MO_TRANS
DWR_MR_EFCTVTY_DTLS
DWR_MRO_RESRE
DWR_MSTR_CNFGRTN_HDR
DWR_MTL_MNFCTR
DWR_ODT_ACCT
DWR_OPTN
DWR_ORG
DWR_ORG_AREA
DWR_ORG_BNR
DWR_ORG_BSNS_ENT
DWR_ORG_BSNS_UNIT
DWR_ORG_CHAIN
DWR_ORG_CMPNY
DWR_ORG_CRPRT
DWR_ORG_DSTRCT
DWR_ORG_HRCHY
DWR_ORG_HRCHY_LVL
DWR_ORG_HRCHY_LVL_ASGN
DWR_ORG_HRCHY_VRSN
DWR_ORG_LVL
DWR_ORG_LVL_ATRIB
DWR_ORG_LVL_ATRIB_VAL
DWR_ORG_MKT_DATA
DWR_ORG_NAME
DWR_ORG_RGN
DWR_ORG_SRVC_WBSITE
DWR_ORG_WRHS
DWR_ORGNTL_DEMOG_VAL
DWR_OTHR_INDVL
DWR_PART_LOC
DWR_PASPRT
DWR_PAX_CNCT
DWR_PAX_CPN_DATA
DWR_PAX_INVC_HDR
DWR_PDI_CHR
DWR_PDI_CHNL
DWR_PDI_CHNL_DIM
DWR_PHS
DWR_PLNG_QTR
DWR_PLNG_SEASON
DWR_PLNG_WK
DWR_PLNG_YR
DWR_PNR
DWR_PNR_DIM
DWR_PNR_TYP
DWR_POS_DEPT
DWR_POS_GDS_OFFC
DWR_POS_ID
DWR_POSTCD
DWR_PRC_DRVTN_RULE
DWR_PRD_TODATE_TRANS
DWR_PRD_TRANS
DWR_PREF_TYP
DWR_PRFL_SRC

DWR_PRMTN
DWR_PRMTN_ITEM
DWR_PRMTN_MSG_RNDRNG
DWR_PRMTN_PROD_OFRNG_ASGN
DWR_PRMTN_SLNG_ITEM
DWR_PROD_ENT
DWR_PROD_OFRNG
DWR_PRSPCT
DWR_PRSPCT_INDVL
DWR_PRSPCT_ORG
DWR_PRTNR_PRMTN_PROG
DWR_PRTY
DWR_PRTY_ACCT_ASGN
DWR_PRTY_ADDR_LOC_ASGN
DWR_PRTY_ASGN
DWR_PRTY_CNCT_INFO
DWR_PRTY_CNCT_LST_PRTCPTN
DWR_PRTY_DEMOG
DWR_PRTY_DEMOG_VAL
DWR_PRTY_GEO_ENT_ASGN
DWR_PRTY_ID
DWR_PRTY_INTRACN_STAT
DWR_PRTY_LANG_CAPBLTY
DWR_PRTY_NAME
DWR_PRTY_RL
DWR_PRTY_RL_ASGN
DWR_PRTY_SKILL
DWR_PRTY_STAT
DWR_PRTY_STAT_DIM
DWR_QTR_TODATE_TRANS
DWR_QTR_TRANS
DWR_QLTY_PLN
DWR_RLGN
DWR_RL_HRCHY
DWR_ROUTEPAIRS
DWR_ROUTES
DWR_RPR_CTGRS
DWR_RTL_SEASON
DWR_RTL_STORE
DWR_SCND
DWR_SEG
DWR_SEG_CRTRA
DWR_SEG_DIM
DWR_SEG_PAIR
DWR_SKU_ITEM
DWR_SL_CHNL
DWR_SL_CHNL_RPRSTV
DWR_SL_FRCST_ITEM_ORG_HRCHY_WK
DWR_SL_OR_RETRN_ACTN
DWR_SL_PLN_ITEM_ORG_HRCHY_WK
DWR_SL_RSTRCT
DWR_SLNG_LOC
DWR_SOC_JB
DWR_SRC_SYS
DWR_SRC_SYS_KEY_MAPNG

DWR_SRVC
DWR_SRVC_COVRG_AREA
DWR_SRVC_COVRG_GEO_DTL
DWR_SRVC_DIM
DWR_SSR
DWR_SUPLIR
DWR_TAXBL_GRP
DWR_TIME
DWR_TIME_DIM
DWR_TIME_STNDRD_BY_DAY
DWR_TIME_STNDRD_BY_WK
DWR_TIME_TOT
DWR_TIME_ZN
DWR_TRFC_CTGRY
DWR_TRFC_CTGRY_DIM
DWR_TRGT_ACCS_MTHD
DWR_TRGT_ACCT
DWR_TRGT_GEO_AREA
DWR_TRML
DWR_TSK_ASGN
DWR_TSM_PAX
DWR_TSM_EXCSS_BAG
DWR_TSM_MCO
DWR_TSM_PRC
DWR_TSM_ROUTE
DWR_TSM_SRVC
DWR_UNIT_ACMPLSHMNTS
DWR_UNIT_CNFGRTN_HDR
DWR_UNIT_CNFGRTN_HIST
DWR_UNIT_DFRLS
DWR_UNIT_MNTNCE_PLN
DWR_UNIT_MNTNCE_PLN_CNTR_HIST
DWR_UNT_MNTNC_PLN_THSLD_RLE
DWR_USER
DWR_VHCL
DWR_VRTL_TEAM
DWR_WKDAY
DWR_WK_TODATE_TRANS
DWR_WK_TRANS
DWR_WO_OPRN
DWR_WRNTY_ENTLMNTS

Related Topics

- Logical Data Model Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

3.3 Base Tables

Lists the base tables in Oracle Airlines Data Model.

Base Tables

In Oracle Airlines Data Model, the base tables present the transaction data in 3NF. Base tables define atomic level transaction data. Data in the base tables support the

derived and aggregate layers, and act as a source for Data Mining for advanced analysis.

DWB_ACCT_LVL_HIST
DWB_ACCT_PYMT
DWB_AWRD_VCHR
DWB_ACCT_TRNSFR
DWB_ARCFT_DSPTCH
DWB_ARCFT_TRN_ARND
DWB_ASSET_DATA_DRFT
DWB_BKG
DWB_BKG_AGNT_OPT_LN
DWB_BKG_BLLG
DWB_BKG_CMPGN_ASGN
DWB_BKG_OTHR_SRVC
DWB_BKG_RMRK
DWB_BKG_SSR
DWB_BKG_SSR_BRDG
DWB_BKG_STAT_CHNG_HIST
DWB_BKG_TST
DWB_BKG_TST_FARE_DATA
DWB_BKG_TST_PFC_TAX_AMT
DWB_BKG_TST_PRC
DWB_BKG_TST_SEG
DWB_BKG_TST_TAX
DWB_BLLG_ANLYS_HDR
DWB_BLLG_ANLYS_TOT_CRNCY
DWB_BLLG_OFFC_HDR
DWB_BLLG_OFFC_SBTOT_TRX_CRNCY
DWB_BLLG_OFFC_TOT_CRNCY
DWB_BLLG_TRX_AGNCY_ARLN_INFO
DWB_BLLG_TRX_CMPLT_FORMOF_PYMT
DWB_BLLG_TRX_CMPLT_TCKT_DOC
DWB_BLLG_TRX_CPN_ADDL_PRINT_LN
DWB_BLLG_TRX_DOC_AMT
DWB_BLLG_TRX_ELCTRNC_TRX
DWB_BLLG_TRX_EMD_CPN_DTL
DWB_BLLG_TRX_EMD_RMRK
DWB_BLLG_TRX_FARE_CALC
DWB_BLLG_TRX_FL_TOT_CRNCY
DWB_BLLG_TRX_FORM_OF_PYMT
DWB_BLLG_TRX_HDR
DWB_BLLG_TRX_MD_ADDL_INFO
DWB_BLLG_TRX_MD_INFO_AMT
DWB_BLLG_TRX_MD_ISSNCE_RSN
DWB_BLLG_TRX_NETNG_VAL
DWB_BLLG_TRX_PYMT_ATHRZTN
DWB_BLLG_TRX_RLTD_TCKT
DWB_BLLG_TRX_TCKT
DWB_BLLG_TRX_TCKT_AMT
DWB_BLLG_TRX_TCKT_CMISN
DWB_BLLG_TRX_TCKT_FORM_OF_PYMT
DWB_BLLG_TRX_TCKT_PAX
DWB_BLLG_TRX_TCKT_TAX_ON_CMISN
DWB_BLLG_TRX_TCKT_VAT_INFO

DWB_BRRW_TRNS
DWB_BT_PRPD_TCKT_ADC_SPNSR_INF
DWB_BT_TCKT_ITNRY_DATA_SEG
DWB_BT_TCKT_MISCLNSADDL_PRNTLN
DWB_BT_TCKT_QLFYNG_ISSUE_INFO
DWB_CAR_RNTL
DWB_CAR_RNTL_ADDL_RT_CD_INFO
DWB_CAR_RNTL_CHRG_PRD
DWB_CAR_RNTL_ESTM_DISTNC
DWB_CAR_RNTL_FOP
DWB_CAR_RNTL_LOC
DWB_CAR_RNTL_OTHR_RT_RULE
DWB_CAR_RNTL_OTHR_RT_RULE_DT
DWB_CAR_RNTL_PREF_TYP
DWB_CAR_RNTL_RMRK
DWB_CAR_RNTL_SRCHRG_RPD
DWB_CAR_RNTL_SRCHRG_RPD_TRFC
DWB_CAR_RNTL_TRFC
DWB_CAR_RNTL_TRFC_CHRG
DWB_CDSHR_BRDG
DWB_CHKIN
DWB_CMNSTRY_ERNG
DWB_CMPLN_ADVC
DWB_CST
DWB_CUST_ORDR
DWB_CUST_ORDR_LN_ITEM
DWB_DELAY_AND_CNCL
DWB_DRCT_ERNG
DWB_DSPSTNS
DWB_EMP_ACT_LBR_HRLY
DWB_EMP_ACT_LBR_SLRED
DWB_EMP_TRNG_REC
DWB_ERNG_EVT
DWB_EVT
DWB_EVT_PRTY_ASGN
DWB_EVT_PRTY_INTRACN
DWB_FLET_UNIT_ASSOCT
DWB_FLT_CHNG
DWB_FLT_DATA_DRFT
DWB_FLT_GTE_OPRN
DWB_FLT_SCHL
DWB_GRPNG
DWB_HOT_FL_HDR
DWB_HTL_BKG_CMISN
DWB_LEG_SCHL
DWB_LG_BK
DWB_LYLTY_ACCT_BAL_HIST
DWB_LYLTY_ACCT_LVL_HIST
DWB_LYLTY_CNVRSN
DWB_LYLTY_PTS_EXP
DWB_MEL_CDL_PROC
DWB_MIN_CNCTNG_TMS
DWB_MNTNCE_REQRMNT
DWB_MNTNCE_VST
DWB_MNTNCE_VST_TSK

DWB_MR_EFCTVTY
DWB_MR_INTRVL
DWB_MTRL_TRNS
DWB_NON_RUTNE
DWB_OPRN
DWB_OPRN_MTRL
DWB_OPRN_RESRE
DWB_OUTSD_PRCSNG_ORDR
DWB_PART
DWB_PART_CHNG
DWB_PART_SRL_NBR
DWB_PAX_CNTRY_ADDR_INFO
DWB_PAX_TRNSFR
DWB_PAX_VISA_INFO
DWB_PDH_H
DWB_PNR_GDS_INFO
DWB_PNR_PRNT_CHILD_RLTN
DWB_PNR_RLTN
DWB_PRC_MDFCTN_LN_ITEM
DWB_PCHSE_ORDR
DWB_PRMTN_CLSTR_USG
DWB_PRMTN_MGMT_HIST
DWB_PROJ
DWB_PROJ_ALL
DWB_PRTNR_ERNG
DWB_PRTY_CST_ASGN
DWB_PRTY_INTRACN
DWB_PRTY_INTRACN_CALL
DWB_PRTY_INTRACN_EML
DWB_PRTY_INTRACN_FAX
DWB_PRTY_INTRACN_ITEM
DWB_PRTY_INTRACN_LTTR
DWB_PRTY_INTRACN_SMS
DWB_PRTY_INTRACN_THRD
DWB_PRTY_INTRACN_VST
DWB_PRTY_ORDR_ASGN
DWB_PRTY_PRMTN_RESPN
DWB_PRTY_STAT_HIST
DWB_QLTY_RSLT
DWB_RTL_CST_TRX
DWB_RTL_SL_RETRN_LN_ITEM
DWB_RTL_TRX
DWB_RTL_TRX_LN_ITEM
DWB_RUTNE
DWB_RVN_CST_TRX
DWB_SCRP_VAL
DWB_SHOP_FNDNGS
DWB_SEG_SCHL
DWB_TAX_LN_ITEM
DWB_TCKT
DWB_TCKT_CPN
DWB_TCKT_DLVRY_ARNGMNT
DWB_TCKT_PRC
DWB_TCKT_PRCNG_DISC
DWB_TCKT_PRCNG_DISC_DTLS

DWB_TCKTNG_FORM_OF_PYMT
DWB_TRCKD_ITEM
DWB_TSK_EFCTVTY
DWB_TSK_LST
DWB_TSM
DWB_TOUR
DWB_TRNSFR_ERNG
DWB_TSM_DOC
DWB_TSM_MCO_FARES
DWB_TSM_MCO_TAX
DWB_TSM_PYMT
DWB_TSM_RFI
DWB_TSM_XSB_RT
DWB_UNIT_EFCTVTS
DWB_UNIT_SCHL
DWB_WEATHR
DWB_WO

Related Topics

- Logical Data Model Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

3.4 Derived Tables

Lists the derived tables in Oracle Airlines Data Model.

Derived Tables

In Oracle Airlines Data Model, the derived tables are tables that have as values the result of a non-aggregate calculation. There are two types of derived tables in Oracle Airlines Data Model:

- Tables that hold the results of a calculation.
- Result tables for the data mining models.

DWD_BKG_FCT
DWD_CALL_CNTR_PRFMNC
DWD_CHKIN
DWD_CUST_LTV_SVM_FACTOR
DWD_CUST_LYLTY_DT_RULES
DWD_CUST_LYLTY_SVM_FACTOR
DWD_CUST_MNNG
DWD_CUST_RFMP_SCR
DWD_CUST_SRVY
DWD_FFP_PRED_DT_RULES
DWD_FFP_PRED_SVM_FACTOR
DWD_FLT_DTLS
DWD_FLT_OPRN
DWD_LYLTY_ACCT_BAL_HIST
DWD_LYLTY_ACCT_LVL_HIST
DWD_NON_FFP_MNNG
DWD_NON_RUTNE
DWD_PNR

DWD_RVN_CST
DWD_TCKT

Related Topics

- Logical Data Model Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

3.5 Aggregate Tables

Lists the aggregate tables in Oracle Airlines Data Model.

Aggregate Tables

In Oracle Airlines Data Model, the Aggregate tables are tables that aggregate or "roll up" the data to one level higher than a base or a derived table. The aggregate tables provide a view of the data similar to the view provided by a fact table in a snowflake schema.

DWA_BKG_DLY_INV_SNPST
DWA_CDSHR_BRDG
DWA_CHKIN_DLY
DWA_CUST_SRVY
DWA_DLY_BKG
DWA_DLY_CALL_CNTR_PRFMNC
DWA_DLY_LYLTY_ACCT
DWA_DLY_LYLTY_ACCT_BKG

Related Topics

- Logical Data Model Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

3.6 Lookup Tables

Lists the lookup tables in Oracle Airlines Data Model

Lookup Tables List

In Oracle Airlines Data Model lookup tables contain the relatively static or descriptive data in the data warehouse. Lookup tables hold the descriptions for frequently used attributes. Using lookup entities saves space, as the referring fact table holds only a small key or code and foreign key, and Oracle Airlines Data Model stores the space consuming description in a lookup table and does not repeat the description in each transaction row in which it is referenced.

DWL_ACCT_LVL
DWL_ACCT_TRNSFR_RSN
DWL_ACCT_TYP
DWL_ADDR_TYP
DWL_AMT_TYP
DWL_ATA_CHPTR
DWL_BKG_PROD_TYP
DWL_BKG_STAT_CHNG_RSN
DWL_BNK_CARD_TYP
DWL_BNNING_RSN

DWL_BSNS_LEGAL_STAT
DWL_CMNSTRY_RSN
DWL_CMPGN_STAT
DWL_CMPGN_TYP
DWL_CMPLN_CLS
DWL_CMPLN_TYP
DWL_CRNCY
DWL_CUST_OCCSN_TYP
DWL_CUST_RVN_BND
DWL_CUST_RVN_TYP
DWL_CUST_TYP
DWL_DELAY_CAUSE
DWL_DFCT_STAT
DWL_EMP_DESIG
DWL_EMP_TYP
DWL_EXTRNL_ORG_TYP
DWL_FLET
DWL_FLT_CNCL_RSN
DWL_FLT_INV_OPRN_TYP
DWL_INTTV_RSLT_TYP
DWL_INTTV_TYP
DWL_LANG
DWL_LCL_AUTHRTY_TYP
DWL_LEG_TYP
DWL_LTTR_TYP
DWL_MEL_ATTR
DWL_MNTNCE_TYP
DWL_MRTL_STAT
DWL_NTNLTY
DWL_ORG_BSNS_UNIT_TYP
DWL_PRMTN_TYP
DWL_PRTY_CNCT_INFO_TYP
DWL_PRTY_ID_TYP
DWL_PRTY_STAT_CHNG_RSN
DWL_PRTY_STAT_TYP
DWL_PRTY_TYP
DWL_RCTFCATN_INTRVL
DWL_RVN_CST_ELMNT
DWL_RVN_CST_ELMNT_CTGRY
DWL_RVN_CST_ELMNT_GRP
DWL_SEASON
DWL_SKILL_TYP
DWL_SLNG_LOC_TYP
DWL_SWOT_TYP
DWL_TIME_PRD
DWL_TRGT_TYP
DWL_TRVL_CLS
DWL_TRX_TYP
DWL_VAL_TYP

Related Topics

- Logical Data Model Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

3.7 Mining Tables

Lists the Data Mining control and Data Mining settings tables in Oracle Airlines Data Model.

Data Mining and Data Mining Settings Tables

DM_STNG_CUST_LTY_DT
DM_STNG_CUST_LTY_SVM
DM_STNG_PROFILE_KMEANS
DM_STNG_USER_ALL
DMV_BKG_FACT_APPLY
DMV_BKG_FACT_SRC
DMV_CUST_LOYALTY_APPLY
DMV_CUST_LOYALTY_SRC
DMV_CUST_LTV_APPLY
DMV_CUST_LTV_SRC
DMV_CUST_PROFILE_APPLY
DMV_CUST_PROFILE_SRC
DMV_FFP_PRED_APPLY
DMV_FFP_PRED_SRC
DMV_LYLTY_ACCT_BAL_APPLY
DMV_LYLTY_ACCT_BAL_SRC

Related Topics

- Logical Data Model Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

3.8 Database Sequences

Lists the Sequence Names in Oracle Airlines Data Model.

Table 3-2 Database Sequences List

Generates the Physical Key for Table Name	Sequence Name
DWA_CUST_SRVY	SEQ_DWA_CUST_SRVY
DWA_DLY_BKG_FACT	SEQ_DWA_DLY_BKG_FACT
DWA_DLY_CALL_CNTR_PERFM	SEQ_DWA_DLY_CALL_CNTR_PERFM
DWA_DLY_FLT_DETLS	SEQ_DWA_DLY_FLT_DETLS
DWA_DLY_LYLTY_ACCT	SEQ_DWA_DLY_LYLTY_ACCT
DWA_DLY_LYLTY_ACCT_BKG	SEQ_DWA_DLY_LYLTY_ACCT_BKG
DWD_CHKIN_FACT	SEQ_DWD_CHKIN_FACT
DWD_FLT_DETLS_FACT	SEQ_DWD_FLT_DETLS_FACT

3.9 Metadata Tables

Lists the Metadata tables in Oracle Airlines Data Model.

Table 3-3 Metadata Tables

Table Name	Description
MD_ENTY	Stores data about logical data model entities, attributes, descriptions, and physical table names.
MD_KPI	Contains distinct presentation columns (KPI_NAME), dashboard folder name as subject area and computation logic for the KPI and subject area used in the RPD.
MD_PRG	Store all the information of the programs. Programs may be Packages used to store the data in Derived and Mining tables, Reports, Cubes or MV's, and so on.
MD_REF_ENTY_KPI	This table contains physical tables and columns used for the particular KPIs along with other columns used in KPI calculations.

3.10 Oracle Airlines Data Model OLAP Cube MV, Cube View

Lists the cube materialized views in the `oadm_sys` schema.

The following table shows the OLAP materialized views in `oadm_sys` schema:

Table 3-4 OLAP Cube Materialized Views in oadm_sys Schema

Cube Materialized View Name	OLAP Object Name	OLAP Object Type
CB$BKCLS_HBKCLS	BKCLS_HBKCLS	Dimension_Hierarchy
CB$BKOFC_HCNTYP	BKOFC_HCNTYP	Dimension_Hierarchy
CB$BKOFC_HBKOFC	BKOFC_HBKOFC	Dimension_Hierarchy
CB$BSDF	BSDF	Cube
CB$BSDF_F	BSDF_F	Cube
CB$CCPF	CCPF	Cube
CB$CSDF	CSDF	Cube
CB$FDDF	FDDF	Cube
CB$GEO_HGEO	GEO_HGEO	Dimension_Hierarchy
CB$IRSN_HIRSN	IRSN_HIRSN	Dimension_Hierarchy
CB$LOYLV_HLOYLY	LOYLV_HLOYLY	Dimension_Hierarchy
CB$LYAF	LYAF	Cube
CB$LYBF	LYBF	Cube
CB$OPFLT_HOPFLT	OPFLT_HOPFLT	Dimension_Hierarchy
CB$OPSMT_HOPSMT	OPSMT_HOPSMT	Dimension_Hierarchy
CB$ROUTE_HROUTE	ROUTE_HROUTE	Dimension_Hierarchy
CB$SRVC_HSRVC	SRVC	Dimension_Hierarchy
CB$TIME_HTIME	TIME_HTIME	Dimension_Hierarchy
CB$TIME_HWEEK	TIME_HWEEK	Dimension_Hierarchy

The following table shows the OLAP cube views in `oadm_sys` schema:

Table 3-5 OLAP Cube Views in oadm_sys schema

Cube View Name	OLAP Object Name	OLAP Object Type
BKCLS_HBKCLS_VIEW	BKCLS_HBKCLS	Hierarchy
BKCLS_VIEW	BKCLS	Dimension
BKOFC_HCNTYP_VIEW	BKOFC_HCNTYP	Hierarchy
BKOFC_HBKOFC_VIEW	BKOFC_HBKOFC	Hierarchy
BKOFC_VIEW	BKOFC	Dimension
BSDF_VIEW	BSDF	Cube
BSDF_F_VIEW	BSDF_F	Cube
CCPF_VIEW	CCPF	Cube
CSDF_VIEW	CSDF	Cube
FDDF_VIEW	FDDF	Cube
GEO_HGEO_VIEW	GEO_HGEO	Hierarchy
GEO_VIEW	GEO	Dimension
IRSN_HIRSN_VIEW	IRSN_HIRSN	Hierarchy
IRSN_VIEW	IRSN	Dimension
LOYLV_HLOYLY_VIEW	LOYLV_HLOYLY	Hierarchy
LOYLV_VIEW	LOYLV	Dimension
LYAF_VIEW	LYAF	Cube
LYBF_VIEW	LYBF	Cube
OPFLT_HOPFLT_VIEW	OPFLT_HOPFLT	Hierarchy
OPFLT_VIEW	OPFLT	Dimension
OPSMT_HOPSMT_VIEW	OPSMT_HOPSMT	Hierarchy
OPSMT_VIEW	OPSMT	Dimension
ROUTE_HROUTE_VIEW	ROUTE_HROUTE	Hierarchy
ROUTE_VIEW	ROUTE	Dimension
SRVC_HSRVC_VIEW	SRVC	Hierarchy
SRVC_VIEW	SRVC	Dimension
TIME_HTIME_VIEW	TIME_HTIME	Hierarchy
TIME_HWEEK_VIEW	TIME_HWEEK	Hierarchy
TIME_VIEW	TIME	Dimension

4

Oracle Airlines Data Model Logical to Physical Mapping

Provides a table listing the Oracle Airlines Data Model entities in the logical data model, and the physical database tables or views to which the logical entities have been implemented or "physicalized".

4.1 Logical to Physical Mappings for Oracle Airlines Data Model

Provides a table listing the Oracle Airlines Data Model entities in the logical data model, and the physical database tables or views to which the logical entities have been implemented or "physicalized".

Table 4-1 Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
ACCOUNT	DWR_ACCT
ACCOUNT DIM	DWR_ACCT_DIM
ACCOUNT LEVEL	DWL_ACCT_LVL
ACCOUNT LEVEL HISTORY	DWB_ACCT_LVL_HIST
ACCOUNT PAYMENT	DWB_ACCT_PYMT
ACCOUNT TRANSFER	DWB_ACCT_TRNSFR
ACCOUNT TRANSFER REASON	DWL_ACCT_TRNSFR_RSN
ACCOUNT TYPE	DWL_ACCT_TYP
ADDRESS LOCATION	DWR_ADDR_LOC
ADDRESS LOCATION STATUS HISTORY	DWR_ADDR_LOC_STAT_HIST
ADDRESS RELATED	DWR_ADDR_RLTD
ADDRESS TYPE	DWL_ADDR_TYP
AGENCY	DWR_AGNCY
AIRCRAFT	DWR_ARCFT
AIRCRAFT DISPATCH	DWB_ARCFT_DSPTCH
AIRCRAFT TURN AROUND	DWB_ARCFT_TRN_ARND
AIRCRAFT TYPE	DWR_ARCFT_TYP
AIRCRAFT VERSION	DWR_ARCFT_VRSN

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
AIRCRAFT VERSION	DWR_ARCFT_VRSN_DIM
AIRPORT	DWR_ARPRT
AIRPORT	DWR_ARPRT_DIM
ALTERNATIVE ITEMS	DWR_ALTVE_ITEM
AMOUNT TYPE	DWL_AMT_TYP
ASSET_DATA_DRAFT	DWB_ASSET_DATA_DRFT
ATA CHAPTER	DWL_ATA_CHPTR
AWARD VOUCHER	DWB_AWRD_VCHR
BANK	DWR_BNK
BANK CARD	DWR_BNK_CARD
BANK CARD TYPE	DWL_BNK_CARD_TYP
BANNING REASON	DWL_BNNING_RSN
BASE DAY	DWR_BASE_DAY
BILLING ANALYSIS HEADER	DWB_BLLG_ANLYS_HDR
BILLING ANALYSIS TOTALS CURRENCY	DWB_BLLG_ANLYS_TOT_CRNCY
BILLING OFFICE HEADER	DWB_BLLG_OFFC_HDR
BILLING OFFICE SUBTOTALS TRANSACTION CURRENCY	DWB_BLLG_OFFC_SBTOT_TRX_CRNCY
BILLING OFFICE TOTALS CURRENCY	DWB_BLLG_OFFC_TOT_CRNCY
BILLING TRANSACTION AGENCY AIRLINE INFO	DWB_BLLG_TRX_AGNCY_ARLN_INFO
BILLING TRANSACTION COMPLETE FORM OF PAYMENT	DWB_BLLG_TRX_CMPLT_FORMOF_PYMT
BILLING TRANSACTION COMPLETE TICKET DOCUMENT	DWB_BLLG_TRX_CMPLT_TCKT_DOC
BILLING TRANSACTION COUPON ADDITIONAL PRINT LINES	DWB_BLLG_TRX_CPN_ADDL_PRINT_LN
BILLING TRANSACTION DOCUMENT AMOUNTS	DWB_BLLG_TRX_DOC_AMT
BILLING TRANSACTION ELECTRONIC TRANSACTION	DWB_BLLG_TRX_ELCTRNC_TRX
BILLING TRANSACTION EMD COUPON DETAIL	DWB_BLLG_TRX_EMD_CPN_DTL
BILLING TRANSACTION EMD REMARKS	DWB_BLLG_TRX_EMD_RMRK
BILLING TRANSACTION FARE CALCULATION	DWB_BLLG_TRX_FARE_CALC
BILLING TRANSACTION FILE TOTALS CURRENCY	DWB_BLLG_TRX_FL_TOT_CRNCY
BILLING TRANSACTION FORM OF PAYMENT	DWB_BLLG_TRX_FORM_OF_PYMT
BILLING TRANSACTION HEADER	DWB_BLLG_TRX_HDR
BILLING TRANSACTION MD ADDITIONAL INFO	DWB_BLLG_TRX_MD_ADDL_INFO
BILLING TRANSACTION MD INFO AMOUNT	DWB_BLLG_TRX_MD_INFO_AMT
BILLING TRANSACTION MD ISSUANCE REASON	DWB_BLLG_TRX_MD_ISSNCE_RSN

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
BILLING TRANSACTION NETTING VALUES	DWB_BLLG_TRX_NETNG_VAL
BILLING TRANSACTION PAYMENT AUTHORIZATION	DWB_BLLG_TRX_PYMT_ATHRZTN
BILLING TRANSACTION PREPAID TICKET ADVICE SPONSOR INFORMATION	DWB_BT_PRPD_TCKT_ADC_SPNSR_INF
BILLING TRANSACTION RELATED TICKET	DWB_BLLG_TRX_RLTD_TCKT
BILLING TRANSACTION TICKET	DWB_BLLG_TRX_TCKT
BILLING TRANSACTION TICKET AMOUNT	DWB_BLLG_TRX_TCKT_AMT
BILLING TRANSACTION TICKET COMMISSION	DWB_BLLG_TRX_TCKT_CMISN
BILLING TRANSACTION TICKET FORM OF PAYMENT	DWB_BLLG_TRX_TCKT_FORM_OF_PYMT
BILLING TRANSACTION TICKET ITINERARY DATA SEGMENT	DWB_BT_TCKT_ITNRY_DATA_SEG
BILLING TRANSACTION TICKET MISCELLANEOUS ADDITIONAL PRINT LINES	DWB_BT_TCKT_MISCLNSADDL_PRNTLN
BILLING TRANSACTION TICKET PASSENGER	DWB_BLLG_TRX_TCKT_PAX
BILLING TRANSACTION TICKET QUALIFYING ISSUE INFORMATION	DWB_BT_TCKT_QLFYNG_ISSUE_INFO
BILLING TRANSACTION TICKET TAX ON COMMISSION	DWB_BLLG_TRX_TCKT_TAX_ON_CMISN
BILLING TRANSACTION TICKET VAT INFORMATION	DWB_BLLG_TRX_TCKT_VAT_INFO
BLACK LIST HISTORY	DWR_BLK_LST_HIST
BOOKING	DWB_BKG
BOOKING AGENT OPT LINE	DWB_BKG_AGNT_OPT_LN
BOOKING BILLING	DWB_BKG_BLLG
BOOKING CAMPAIGN ASSIGNMENT	DWB_BKG_CMPGN_ASGN
BOOKING CLASS	DWR_BKG_CLS
BOOKING CLASS TYPE	DWR_BKG_CLS_TYP
BOOKING DAILY INVENTORY SNAPSHOT	DWA_BKG_DLY_INV_SNPST
BOOKING OFFICE	DWR_BKG_OFFC
BOOKING OFFICE	DWR_BKG_OFFC_DIM
BOOKING OFFICE USER	DWR_BKG_OFFC_USER
BOOKING OTHER SERVICE	DWB_BKG_OTHR_SRVC
BOOKING PASSENGER	DWR_BKG_PAX
BOOKING PASSENGER	DWR_BKG_PAX_DIM
BOOKING PASSENGER DOCUMENT INFORMATION	DWR_BKG_PAX_DOC_INFO
BOOKING PRODUCT	DWR_BKG_PROD
BOOKING PRODUCT DETAIL	DWR_BKG_PROD_DTL

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
BOOKING PRODUCT TYPE	DWL_BKG_PROD_TYP
BOOKING REMARK	DWB_BKG_RMRK
BOOKING SEAT	DWR_BKG_SEAT
BOOKING SEAT PREFERENCE	DWR_BKG_SEAT_PREF
BOOKING SERIES	DWR_BKG_SRIS
BOOKING SSR	DWB_BKG_SSR
BOOKING SSR BRDG	DWB_BKG_SSR_BRDG
BOOKING STATUS CHANGE HISTORY	DWB_BKG_STAT_CHNG_HIST
BOOKING STATUS CHANGE REASON	DWL_BKG_STAT_CHNG_RSN
BOOKING TST	DWB_BKG_TST
BOOKING TST	DWR_BKG_TST_DIM
BOOKING TST FARE DATA	DWB_BKG_TST_FARE_DATA
BOOKING TST PFC TAX AMOUNT	DWB_BKG_TST_PFC_TAX_AMT
BOOKING TST PRICE	DWB_BKG_TST_PRC
BOOKING TST SEGMENT	DWB_BKG_TST_SEG
BOOKING TST TAX	DWB_BKG_TST_TAX
BORROW_TRANSACTIONS	DWB_BRRW_TRNS
BUSINESS HALF MONTH	DWR_BSNS_HLF_MO
BUSINESS HALF YEAR	DWR_BSNS_HLF_YR
BUSINESS LEGAL STATUS	DWL_BSNS_LEGAL_STAT
BUSINESS MONTH	DWR_BSNS_MO
BUSINESS QUARTER	DWR_BSNS_QTR
BUSINESS UNIT JOB ROLE	DWR_BSNS_UNIT_JB_RL
BUSINESS UNIT SHIFT	DWR_BSNS_UNIT_SHFT
BUSINESS YEAR	DWR_BSNS_YR
CALENDAR	DWR_CLNDR
CALENDAR HALF MONTH	DWR_CLNDR_HLF_MO
CALENDAR HALF YEAR	DWR_CLNDR_HLF_YR
CALENDAR MONTH	DWR_CLNDR_MO
CALENDAR QUARTER	DWR_CLNDR_QTR
CALENDAR WEEK	DWR_CLNDR_WK
CALENDAR YEAR	DWR_CLNDR_YR
CALL CENTER	DWR_CALL_CNTR
CALL CENTER AGENT	DWR_CALL_CNTR_AGNT
CALL CENTER SERVICE CAPABILITY	DWR_CALL_CNTR_SRVC_CAPBLTY
CAMPAIGN	DWR_CMPGN
CAMPAIGN MANAGEMENT HISTORY	DWR_CMPGN_MGMT_HIST

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
CAMPAIGN MEDIA SELLING ITEM	DWR_CMPGN_MEDIA_SLNG_ITEM
CAMPAIGN MESSAGE	DWR_CMPGN_MSG
CAMPAIGN STATUS	DWL_CMPGN_STAT
CAMPAIGN TYPE	DWL_CMPGN_TYP
CAR PRODUCT	DWR_CAR_PROD
CAR RENTAL	DWB_CAR_RNTL
CAR RENTAL ADDITIONAL RATE CODE INFO	DWB_CAR_RNTL_ADDL_RT_CD_INFO
CAR RENTAL CHARGE PERIOD	DWB_CAR_RNTL_CHRG_PRD
CAR RENTAL ESTIMATE DISTANCE	DWB_CAR_RNTL_ESTM_DISTNC
CAR RENTAL FOP	DWB_CAR_RNTL_FOP
CAR RENTAL LOCATION	DWB_CAR_RNTL_LOC
CAR RENTAL MODEL	DWR_CAR_RNTL_MDL
CAR RENTAL OTHER RATE RULE	DWB_CAR_RNTL_OTHR_RT_RULE
CAR RENTAL OTHER RATE RULE DATE	DWB_CAR_RNTL_OTHR_RT_RULE_DT
CAR RENTAL PREFERENCE TYPE	DWB_CAR_RNTL_PREF_TYP
CAR RENTAL REMARKS	DWB_CAR_RNTL_RMRK
CAR RENTAL SURCHARGE PERIOD	DWB_CAR_RNTL_SRCHRG_RPD
CAR RENTAL SURCHARGE PERIOD TARIFF	DWB_CAR_RNTL_SRCHRG_RPD_TRFC
CAR RENTAL TARIFF	DWB_CAR_RNTL_TRFC
CAR RENTAL TARIFF CHARGE	DWB_CAR_RNTL_TRFC_CHRG
CARRIER	DWR_CARRIER
CARRIER	DWR_CARRIER_DIM
CARRIER TYPE	DWR_CARRIER_TYP
CERTIFICATE	DWR_CRTFCT
CHANNEL	DWR_CHNL
CHECKIN	DWB_CHKIN
CHECKIN BAGGAGE GROUP	DWR_CHKIN_BAG_GRP
CHECKIN DAILY FACT	DWA_CHKIN_DLY
CHECKIN INDIVIDUAL BAGGAGE	DWR_CHKIN_INDVL_BAG
CODESHARE	DWR_CDSHR
CODESHARE BRIDGE	DWA_CDSHR_BRDG
CODESHARE BRIDGE	DWB_CDSHR_BRDG
COMP INTEL CHARACTERISTIC	DWR_COMP_INTL_CHR
COMP INTEL CHARACTERISTIC VALUE	DWR_COMP_INTL_CHR_VAL
COMP INTEL MARKET SEGMENT	DWR_COMP_INTL_MKT_SEG
COMP PROD CRRL CHARACTERISTIC ASSIGNMENT	DWR_COMP_PROD_CRRL_CHR_ASGN

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
COMP PROD CRRL CHARACTERISTIC VALUE	DWR_COMP_PROD_CRRL_CHR_VAL
COMPENSATORY EARNING	DWB_CMNSTRY_ERNG
COMPENSATORY REASON	DWL_CMNSTRY_RSN
COMPETITIVE TIER	DWR_CMPTVE_TIER
COMPETITOR	DWR_CMPTR
COMPETITOR INTELLIGENCE	DWR_CMPTR_INTLGNCE
COMPETITOR INTELLIGENCE PARTY ROLE	DWR_CMPTR_INTLGNCE_PRTY_RL
COMPETITOR MARKET SEGMENT ASSIGNMENT	DWR_CMPTR_MKT_SEG_ASGN
COMPETITOR MARKET SEGMENT SWOT	DWR_CMPTR_MKT_SEG_SWOT
COMPETITOR PRODUCT CORRELATION	DWR_CMPTR_PROD_CRLTN
COMPETITOR SWOT	DWR_CMPTR_SWOT
COMPETITOR TIER ASSIGNMENT	DWR_CMPTR_TIER_ASGN
COMPLAIN ADVICE	DWB_CMPLN_ADVC
COMPLAIN CLASS	DWL_CMPLN_CLS
COMPLAIN TYPE	DWL_CMPLN_TYP
CORPORATE CUSTOMER	DWR_CRPRT_CUST
COST	DWB_CST
COST CENTER	DWR_CST_CNTR
COUNTERS	DWR_CNTRS
CREDIT SCORE PROVIDER	DWR_CRDT_SCR_PRVDR
CURRENCY	DWL_CRNCY
CUSTOMER	DWR_CUST
CUSTOMER INDIVIDUAL	DWR_CUST_INDVL
CUSTOMER OCCASION	DWR_CUST_OCCSN
CUSTOMER OCCASION TYPE	DWL_CUST_OCCSN_TYP
CUSTOMER ORDER	DWB_CUST_ORDR
CUSTOMER ORDER LINE ITEM	DWB_CUST_ORDR_LN_ITEM
CUSTOMER ORGANIZATION	DWR_CUST_ORG
CUSTOMER RESTRICTED INFO	DWR_CUST_RSTRCT_INFO
CUSTOMER REVENUE BAND	DWL_CUST_RVN_BND
CUSTOMER REVENUE BAND ASSIGNMENT	DWR_CUST_RVN_BND_ASGN
CUSTOMER REVENUE TYPE	DWL_CUST_RVN_TYP
CUSTOMER SCORE	DWR_CUST_SCR
CUSTOMER SEGMENT	DWR_CUST_SEG
CUSTOMER SEGMENTATION MODEL	DWR_CUST_SEGTN_MDL
CUSTOMER SOURCE	DWR_CUST_SRC
CUSTOMER SURVEY AGG	DWA_CUST_SRVY

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
CUSTOMER TYPE	DWL_CUST_TYP
DAILY BOOKING FACT	DWA_DLY_BKG
DAILY CALL CENTER PERFORMANCE	DWA_DLY_CALL_CNTR_PRFMNC
DAILY LOYALTY ACCOUNT	DWA_DLY_LYLTY_ACCT
DAILY LOYALTY ACCOUNT BOOKING	DWA_DLY_LYLTY_ACCT_BKG
DAY	DWR_DAY
DEALER	DWR_DLR
DEFECT STATUS	DWL_DFCT_STAT
DELAY CAUSE	DWL_DELAY_CAUSE
DELAYS AND CANCELLATIONS	DWB_DELAY_AND_CNCL
DEMOGRAPHY ATTRIBUTE	DWR_DEMOG_ATRIB
DEMOGRAPHY GROUP	DWR_DEMOG_GRP
DEPARTMENT	DWR_DEPT
DERIVED VALUE	DWR_DRVR_VAL
DIRECT EARNING	DWB_DRCT_ERNG
DISCOUNT GROUP	DWR_DISC_GRP
DISPOSITIONS	DWB_DSPSTNS
DOCUMENT	DWR_DOC
EARNING EVENT	DWB_ERNG_EVT
EDUCATION	DWR_EDU
EMAIL ADDRESS	DWR_EML_ADDR
EMPLOYEE	DWR_EMP
EMPLOYEE ACTUAL LABOR HOURLY	DWB_EMP_ACT_LBR_HRLY
EMPLOYEE ACTUAL LABOR SALARIED	DWB_EMP_ACT_LBR_SLRED
EMPLOYEE DESIGNATION	DWL_EMP_DESIG
EMPLOYEE DISCOUNT GROUP ASSIGNMENT	DWR_EMP_DISC_GRP_ASGN
EMPLOYEE JOB ROLE ASSIGNMENT	DWR_EMP_JB_RL_ASGN
EMPLOYEE LANGUAGE CAPABILITY	DWR_EMP_LANG_CAPBLTY
EMPLOYEE RESTRICTED INFO	DWR_EMP_RSTRCT_INFO
EMPLOYEE SCHEDULE	DWR_EMP_SCHL
EMPLOYEE TRAINING RECORD	DWB_EMP_TRNG_REC
EMPLOYEE TYPE	DWL_EMP_TYP
EVENT	DWB_EVT
EVENT PARTY ASSIGNMENT	DWB_EVT_PRTY_ASGN
EVENT PARTY INTERACTION	DWB_EVT_PRTY_INTRACN
EXTERNAL CREDIT PROFILE	DWR_EXTRNL_CRDT_PRFL
EXTERNAL CREDIT PROFILE ASSIGNMENT	DWR_EXTRNL_CRDT_PRFL_ASGN

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
EXTERNAL ORGANIZATION TYPE	DWL_EXTRNL_ORG_TYP
FARE ELEMENT	DWR_FARE_ELMNT
FARE TYPE	DWR_FARE_TYP
FISCAL HALF MONTH	DWR_FSCL_HLF_MO
FISCAL HALF YEAR	DWR_FSCL_HLF_YR
FISCAL MONTH	DWR_FSCL_MO
FISCAL QUARTER	DWR_FSCL_QTR
FISCAL WEEK	DWR_FSCL_WK
FISCAL YEAR	DWR_FSCL_YR
FLEET	DWL_FLET
FLEET_HEADERS	DWR_FLET_HDRS
FLEET UNIT ASSOCIATE	DWB_FLET_UNIT_ASSOCT
FLIGHT	DWR_FLT
FLIGHT	DWR_FLT_DIM
FLIGHT CANCELLATION REASON	DWL_FLT_CNCL_RSN
FLIGHT CHANGE	DWB_FLT_CHNG
FLIGHT GATE OPERATION	DWB_FLT_GTE_OPRN
FLIGHT INVENTORY	DWR_FLT_INV
FLIGHT INVENTORY NUMBER OF UNITS	DWR_FLT_INV_NBR_OF_UNITS
FLIGHT INVENTORY OPERATION TYPE	DWL_FLT_INV_OPRN_TYP
FLIGHT INVENTORY OPERATIONS	DWR_FLT_INV_OPRN
FLIGHT INVENTORY SCHEDULE ASSIGNMENT	DWR_FLT_INV_SCHL_ASGN
FLIGHT INVENTORY STATUS	DWR_FLT_INV_STAT
FLIGHT LEG INVENTORY	DWR_FLT_LEG_INV
FLIGHT LEG INVENTORY CABIN	DWR_FLT_LEG_INV_CBN
FLIGHT LEG INVENTORY CABIN ACV CONFIG	DWR_FLT_LEG_INV_CBN_ACV_CONFIG
FLIGHT LEG INVENTORY CABIN BLOCKSPACE	DWR_FLT_LEG_INV_CBN_BLCKSPC
FLIGHT LEG INVENTORY CABIN RMS	DWR_FLT_LEG_INV_CBN_RMS
FLIGHT LEG INVENTORY CABIN SALECONFIG	DWR_FLT_LEG_INV_CBN_SLCONFIG
FLIGHT LEG INVENTORY CABIN SALECONFIG CHARACTERISTIC	DWR_FLT_LEGINV_CBN_SLCNFG_CHR
FLIGHT LEG INVENTORY SSR	DWR_FLT_LEG_INV_SSR
FLIGHT LEG INVENTORY SSR OPTION	DWR_FLT_LEG_INV_SSR_OPTN
FLIGHT LEG INVENTORY STATUS	DWR_FLT_LEG_INV_STAT
FLIGHT OPERATION DERIVED	DWD_FLT_OPRN
FLIGHT SCHEDULE	DWB_FLT_SCHL
FLIGHT SEGMENT INVENTORY	DWR_FLT_SEG_INV

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
FLIGHT SEGMENT INVENTORY CABIN	DWR_FLT_SEG_INV_CBN
FLIGHT SEGMENT INVENTORY CABIN BOARDING FIGURES DCS	DWR_FLTSEG_IVCN_BGCS_BDFIG_DCS
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE BOARDINGFIGURES DCS	DWR_FLT_SEG_INVCBN_BRDG_FIGDCS
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE DCS	DWR_FLTSEG_INCBBK_CLS_CSBRDRDC
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE DCS	DWR_FLTSEG_INVCBN_BKGCLS_CSRDC
FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS STATUS	DWR_FLTSEG_INV_CBNBKG_CLS_STAT
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS AVAILABILITY	DWR_FLTSEG_INVCNBKG_SBC_AVLBTY
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS COUNTERS	DWR_FLTSEG_INVCBNBKG_SBC_CNTRS
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS DATEFLAG	DWR_FLTSEG_INVCBNBKG_SBC_DTFLG
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS FLAG	DWR_FLTSEG_INV_CBN_BKG_SBC_FLG
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS NEGO	DWR_FLTSEG_INV_CBNBKG_SBC_NEGO
FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS YIELD	DWR_FLTSEG_INV_CBN_BKG_SBC_YLD
FLIGHT SEGMENT INVENTORY CABIN CODESHARE	DWR_FLT_SEG_INV_CBN_CDSHR
FLIGHT SEGMENT INVENTORY CABIN CODESHARE BLOCKSPACE COUNTER	DWR_FLTSEG_IVCN_CDSR_BLKSC_CTR
FLIGHT SEGMENT INVENTORY CODESHARE	DWR_FLT_SEG_INV_CDSHR
FLIGHT SEGMENT INVENTORY STATUS	DWR_FLT_SEG_INV_STAT
FLIGHT SEGMENT INVENTORY TRAFFIC RESTRICTION	DWR_FLT_SEG_INV_TRFC_RSTRCT
FLIGHT_DATA_DRAFT	DWB_FLT_DATA_DRFT
FORM OF PAYMENT	DWR_FORM_OF_PYMT
FREQUENT FLYER	DWR_FREQ_FLYR
FREQUENT FLYER	DWR_FREQ_FLYR_DIM
FREQUENT FLYER PREFERENCE	DWR_FREQ_FLYR_PREF
GENDER	DWR_GNDR
GEOGRAPHY	DWR_GEO
GEOGRAPHY DEMOGRAPHIC GROUP	DWR_GEO_DEMOG_GRP
GEOGRAPHY DEMOGRAPHY ATTRIBUTES	DWR_GEO_DEMOG_ATRIB
GEOGRAPHY DEMOGRAPHY VALUE	DWR_GEO_DEMOG_VAL

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
GEOGRAPHY ENTITY	DWR_GEO_ENT
GEOGRAPHY HIERARCHY	DWR_GEO_HRCHY
GEOGRAPHY HIERARCHY LEVEL	DWR_GEO_HRCHY_LVL
GEOGRAPHY HIERARCHY LEVEL ASSIGNMENT	DWR_GEO_HRCHY_LVL_ASGN
GEOGRAPHY HIERARCHY VERSION	DWR_GEO_HRCHY_VRSN
GEOGRAPHY LEVEL	DWR_GEO_LVL
GEOGRAPHY LEVEL ATTRIBUTE VALUE	DWR_GEO_LVL_ATRIB_VAL
GEOGRAPHY LEVEL ATTRIBUTES	DWR_GEO_LVL_ATRIB
GROUPING	DWB_GRPNG
HALF HOUR	DWR_HLF_HR
HALF MONTH TODATE TRANSFORMATION	DWR_HLF_MO_TODATE_TRANS
HALF MONTH TRANSFORMATION	DWR_HLF_MO_TRANS
HALF YEAR TODATE TRANSFORMATION	DWR_HLF_YR_TODATE_TRANS
HALF YEAR TRANSFORMATION	DWR_HLF_YR_TRANS
HOT FILE HEADER	DWB_HOT_FL_HDR
HOTEL BOOKING	DWR_HTL_BKG
HOTEL BOOKING BILLABLE INFO	DWR_HTL_BKG_BILLBL_INFO
HOTEL BOOKING COMMISSION	DWB_HTL_BKG_CMISN
HOTEL BOOKING CONTACT	DWR_HTL_BKG_CNCT
HOTEL BOOKING CUSTOMER REFERENCE	DWR_BKG_CUST_REF
HOTEL BOOKING FORM OF PAYMENT	DWR_HTL_BKG_FORM_OF_PYMT
HOTEL BOOKING MISC REMARKS	DWR_HTL_BKG_MISC_RMRK
HOTEL BOOKING OPTION TEXT	DWR_HTL_BKG_OPTN_TXT
HOTEL BOOKING SAVING AMOUNT	DWR_BKG_SVNG_AMT
HOTEL BOOKING STATUS	DWR_HTL_BKG_STAT
HOTEL FACILITY	DWR_HTL_FCLTY
HOTEL PAYMENT	DWR_HTL_PYMT
HOTEL PRODUCT	DWR_HTL_PROD
HOTEL PRODUCT AMENITY	DWR_HTL_PROD_AMNTY
HOTEL ROOM	DWR_HTL_RM
HOTEL TARIFF	DWR_HTL_TRF
HOTEL TARIFF CHARGE	DWR_HTL_TRF_CHRG
HOUR	DWR_HR
HOUSEHOLD	DWR_HSHLD
INDIVIDUAL DEMOGRAPHY VALUE	DWR_INDVL_DEMOG_VAL
INDIVIDUAL NAME	DWR_INDVL_NAME
INFLIGHT MEAL	DWR_INFLT_MEAL

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
INITIATIVE RESULT TYPE	DWL_INTTV_RSLT_TYP
INITIATIVE TYPE	DWL_INTTV_TYP
INTERACTION REASON	DWR_INTRACN_RSN
INTERACTION RESULT	DWR_INTRACN_RSLT
ITEM	DWR_ITEM
ITEM SEASON	DWR_ITEM_SEASON
JOB	DWR_JB
JOB ROLE	DWR_JB_RL
LANGUAGE	DWL_LANG
LANGUAGE DIALECT	DWR_LANG_DILCT
LEG DIM	DWR_LEG_DIM
LEG H	TBS
LEG SCHEDULE	DWB_LEG_SCHL
LEG TYPE	DWL_LEG_TYP
LETTER TYPE	DWL_LTTR_TYP
LOCAL AUTHORITY TYPE	DWL_LCL_AUTHRTY_TYP
LOCAL TAX AUTHORITY	DWR_LCL_TAX_AUTHRTY
LOG_BOOK	DWB_LG_BK
LOT_NUMBERS	DWR_LOT_NBR
LOYALTY ACCOUNT	DWR_LYLTY_ACCT
LOYALTY ACCOUNT BALANCE HISTORY	DWB_LYLTY_ACCT_BAL_HIST
LOYALTY ACCOUNT LEVEL HISTORY	DWB_LYLTY_ACCT_LVL_HIST
LOYALTY CONVERSION	DWB_LYLTY_CNVRSN
LOYALTY LEVEL	DWR_LYLTY_LVL
LOYALTY LEVEL	DWR_LYLTY_LVL_DIM
LOYALTY POINTS EXPIRE	DWB_LYLTY_PTS_EXP
LOYALTY PROGRAM	DWR_LYLTY_PROG
LOYALTY PROGRAM	DWR_LYLTY_PROG_DIM
MAINTNENACE REQUIREMENT	DWB_MNTNCE_REQRMNT
MAINTENANCE TYPE	DWL_MNTNCE_TYP
MAINTENANCE VISIT	DWB_MNTNCE_VST
MAINTENANCE VISIT TASK	DWB_MNTNCE_VST_TSK
MARITAL STATUS	DWL_MRTL_STAT
MARKET AREA	DWR_MKT_AREA
MARKET AREA	DWR_MKT_AREA_DIM
MARKET AREA LEVEL	DWR_MKT_AREA_LVL
MARKET SEGMENT	DWR_MKT_SEG

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
MARKET SEGMENT CHARACTERISTIC	DWR_MKT_SEG_CHR
MARKET SEGMENT CHARACTERISTIC VALUE	DWR_MKT_SEG_CHR_VAL
MARKET STATISTIC INCLUSION	DWR_MKT_STTSTC_INCLSN
MARKET STATISTICS	DWR_MKT_STTSTC
MASTER CONFIGURATION HEADER	DWR_MSTR_CNFGRTN_HDR
MATERIAL TRANSACTION	DWB_MTRL_TRNS
MEDIA OBJECT	DWR_MEDIA_OBJ
MEL	DWR_MEL
MEL ATTRIBUTE	DWL_MEL_ATTR
MEL_CDL_PROCEDURES	DWB_MEL_CDL_PROC
MEMBERSHIP ACCOUNT	DWR_MBRSHIP_ACCT
MFG_PART_NUMBERS	DWR_MFG_PART_NBR
MINIMUM CONNECTING TIMES	DWB_MIN_CNCTNG_TMS
MISCELLANEOUS REMARKS	DWR_MISCLNS_RMRK
MONTH TODATE TRANSFORMATION	DWR_MO_TODATE_TRANS
MONTH TRANSFORMATION	DWR_MO_TRANS
MR EFFECTIVITY	DWB_MR_EFCTVTY
MR_EFFECTIVITY_DTLS	DWR_MR_EFCTVTY_DTLS
MR_INTERVALS	DWB_MR_INTRVL
MRO RESOURCE	DWR_MRO_RESRE
MTL_MANUFACTURERS	DWR_MTL_MNFCTR
NATIONALITY	DWL_NTNLTY
NON ROUTINE	DWB_NON_RUTNE
ODT ACCOUNT	DWR_ODT_ACCT
OPERATION	DWB_OPRN
OPERATION MATERIAL	DWB_OPRN_MTRL
OPERATION_RESOURCES	DWB_OPRN_RESRE
OPTION	DWR_OPTN
ORGANIZATION	DWR_ORG
ORGANIZATION AREA	DWR_ORG_AREA
ORGANIZATION BANNER	DWR_ORG_BNR
ORGANIZATION BUSINESS ENTITY	DWR_ORG_BSNS_ENT
ORGANIZATION BUSINESS UNIT	DWR_ORG_BSNS_UNIT
ORGANIZATION BUSINESS UNIT TYPE	DWL_ORG_BSNS_UNIT_TYP
ORGANIZATION CHAIN	DWR_ORG_CHAIN
ORGANIZATION COMPANY	DWR_ORG_CMPNY
ORGANIZATION CORPORATE	DWR_ORG_CRPRT

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
ORGANIZATION DISTRICT	DWR_ORG_DSTRCT
ORGANIZATION HIERARCHY	DWR_ORG_HRCHY
ORGANIZATION HIERARCHY LEVEL	DWR_ORG_HRCHY_LVL
ORGANIZATION HIERARCHY LEVEL ASSIGNMENT	DWR_ORG_HRCHY_LVL_ASGN
ORGANIZATION HIERARCHY VERSION	DWR_ORG_HRCHY_VRSN
ORGANIZATION LEVEL	DWR_ORG_LVL
ORGANIZATION LEVEL ATTRIBUTES	DWR_ORG_LVL_ATRIB
ORGANIZATION LEVEL ATTRIBUTES VALUE	DWR_ORG_LVL_ATRIB_VAL
ORGANIZATION MARKET DATA	DWR_ORG_MKT_DATA
ORGANIZATION NAME	DWR_ORG_NAME
ORGANIZATION REGION	DWR_ORG_RGN
ORGANIZATION SERVICE WEBSITE	DWR_ORG_SRVC_WBSITE
ORGANIZATION WAREHOUSE	DWR_ORG_WRHS
ORGANIZATIONAL DEMOGRAPHY VALUE	DWR_ORGNTL_DEMOG_VAL
OTHER INDIVIDUAL	DWR_OTHR_INDVL
OUTSIDE PROCESSING ORDER	DWB_OUTSD_PRCSNG_ORDR
PART	DWB_PART
PART CHANGE	DWB_PART_CHNG
PART LOCATIONS	DWR_PART_LOC
PART SERIAL NUMBER	DWB_PART_SRL_NBR
PARTNER EARNING	DWB_PRTNR_ERNG
PARTNER PROMOTION PROGRAM	DWR_PRTNR_PRMTN_PROG
PARTY	DWR_PRTY
PARTY ACCOUNT ASSIGNMENT	DWR_PRTY_ACCT_ASGN
PARTY ADDRESS LOCATION ASSIGNMENT	DWR_PRTY_ADDR_LOC_ASGN
PARTY ASSIGNMENT	DWR_PRTY_ASGN
PARTY CONTACT INFORMATION	DWR_PRTY_CNCT_INFO
PARTY CONTACT INFORMATION TYPE	DWL_PRTY_CNCT_INFO_TYP
PARTY CONTACT LIST PARTICIPATION	DWR_PRTY_CNCT_LST_PRTCPTN
PARTY COST ASSIGNMENT	DWB_PRTY_CST_ASGN
PARTY DEMOGRAPHIC	DWR_PRTY_DEMOG
PARTY DEMOGRAPHY VALUE	DWR_PRTY_DEMOG_VAL
PARTY GEOGRAPHY ENTITY ASSIGNMENT	DWR_PRTY_GEO_ENT_ASGN
PARTY IDENTIFICATION	DWR_PRTY_ID
PARTY IDENTIFICATION TYPE	DWL_PRTY_ID_TYP
PARTY INTERACTION	DWB_PRTY_INTRACN

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
PARTY INTERACTION CALL	DWB_PRTY_INTRACN_CALL
PARTY INTERACTION EMAIL	DWB_PRTY_INTRACN_EML
PARTY INTERACTION FAX	DWB_PRTY_INTRACN_FAX
PARTY INTERACTION ITEM	DWB_PRTY_INTRACN_ITEM
PARTY INTERACTION ITEM STATUS	DWR_PRTY_INTRACN_STAT
PARTY INTERACTION LETTER	DWB_PRTY_INTRACN_LTTR
PARTY INTERACTION SMS	DWB_PRTY_INTRACN_SMS
PARTY INTERACTION THREAD	DWB_PRTY_INTRACN_THRD
PARTY INTERACTION VISIT	DWB_PRTY_INTRACN_VST
PARTY LANGUAGE CAPABILITY	DWR_PRTY_LANG_CAPBLTY
PARTY NAME	DWR_PRTY_NAME
PARTY ORDER ASSIGNMENT	DWB_PRTY_ORDR_ASGN
PARTY PROMOTION RESPONSE	DWB_PRTY_PRMTN_RESPN
PARTY ROLE	DWR_PRTY_RL
PARTY ROLE ASSIGNMENT	DWR_PRTY_RL_ASGN
PARTY SKILL	DWR_PRTY_SKILL
PARTY STATUS	DWR_PRTY_STAT
PARTY STATUS	DWR_PRTY_STAT_DIM
PARTY STATUS CHANGE REASON	DWL_PRTY_STAT_CHNG_RSN
PARTY STATUS HISTORY	DWB_PRTY_STAT_HIST
PARTY STATUS TYPE	DWL_PRTY_STAT_TYP
PARTY TYPE	DWL_PRTY_TYP
PASSENGER CONTACT	DWR_PAX_CNCT
PASSENGER COUNTRY ADDRESS INFORMATION	DWB_PAX_CNTRY_ADDR_INFO
PASSENGER VISA INFORMATION	DWB_PAX_VISA_INFO
PASSPORT	DWR_PASPRT
PAX COUPON DATA	DWR_PAX_CPN_DATA
PAX INVOICE HEADER	DWR_PAX_INVC_HDR
PAX TRANSFER	DWB_PAX_TRNSFR
PDI CHANNEL	DWB_PDH_H
PDI CHANNEL	DWR_PDI_CHNL
PDI CHANNEL	DWR_PDI_CHNL_DIM
PDI CHARACTERISTIC	DWR_PDI_CHR
PHASE	DWR_PHS
PLANNING QUARTER	DWR_PLNG_QTR
PLANNING SEASON	DWR_PLNG_SEASON

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
PLANNING WEEK	DWR_PLNG_WK
PLANNING YEAR	DWR_PLNG_YR
PNR	DWR_PNR
PNR	DWR_PNR_DIM
PNR GDS INFO	DWB_PNR_GDS_INFO
PNR PARENT CHILD RELATIONSHIP	DWB_PNR_PRNT_CHILD_RLTN
PNR RELATIONSHIP	DWB_PNR_RLTN
PNR TYPE	DWR_PNR_TYP
POS DEPARTMENT	DWR_POS_DEPT
POS IDENTITY	DWR_POS_ID
POSTCODE	DWR_POSTCD
PREFERENCE TYPE	DWR_PREF_TYP
PRICE DERIVATION RULE	DWR_PRC_DRVTN_RULE
PRICE MODIFICATION LINE ITEM	DWB_PRC_MDFCTN_LN_ITEM
PRODUCT ENTITY	DWR_PROD_ENT
PRODUCT OFFERING	DWR_PROD_OFRNG
PROFILE SOURCE	DWR_PRFL_SRC
PROJECT	DWB_PROJ
PROJECTS_ALL	DWB_PROJ_ALL
PROMOTION	DWR_PRMTN
PROMOTION CLUSTER USAGE	DWB_PRMTN_CLSTR_USG
PROMOTION ITEM	DWR_PRMTN_ITEM
PROMOTION MANAGEMENT HISTORY	DWB_PRMTN_MGMT_HIST
PROMOTION MESSAGE RENDERING	DWR_PRMTN_MSG_RNDRNG
PROMOTION PRODUCT OFFERING ASSIGNMENT	DWR_PRMTN_PROD_OFRNG_ASGN
PROMOTION SELLING ITEM	DWR_PRMTN_SLNG_ITEM
PROMOTION TYPE	DWL_PRMTN_TYP
PROSPECT	DWR_PRSPCT
PROSPECT INDIVIDUAL	DWR_PRSPCT_INDVL
PROSPECT ORGANIZATION	DWR_PRSPCT_ORG
PURCHASE ORDER	DWB_PCHSE_ORDR
PURCHASE ORDER LINE ITEM	TBS
QUALITY PLANS	DWR_QLTY_PLN
QUALITY RESULTS	DWB_QLTY_RSLT
QUARTER TO DATE TRANSFORMATION	DWR_QTR_TODATE_TRANS
QUARTER TRANSFORMATION	DWR_QTR_TRANS

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
RECTAFICATION INTERVAL	DWL_RCTFCATN_INTRVL
RECTIFICATION INTERVAL EXTENSION	TBS
RELIGION	DWR_RLGN
REPAIR_CATEGORIES	DWR_RPR_CTGRS
RETAIL SALE RETURN LINE ITEM	DWB_RTL_SL_RETRN_LN_ITEM
RETAIL SEASON	DWR_RTL_SEASON
RETAIL STORE	DWR_RTL_STORE
RETAIL TRANSACTION	DWB_RTL_TRX
RETAIL TRANSACTION LINE ITEM	DWB_RTL_TRX_LN_ITEM
REVENUE COST ELEMENT	DWL_RVN_CST_ELMNT
REVENUE COST ELEMENT CATEGORY	DWL_RVN_CST_ELMNT_CTGRY
REVENUE COST ELEMENT GROUP	DWL_RVN_CST_ELMNT_GRP
REVENUE COST TRANSACTION	DWB_RTL_CST_TRX
ROLES HIERARCHY	DWR_RL_HRCHY
ROUTEPAIRS	DWR_ROUTEPAIRS
ROUTES	DWR_ROUTES
ROUTINE	DWB_RUTNE
SALE OR RETURN ACTION	DWR_SL_OR_RETRN_ACTN
SALES CHANNEL	DWR_SL_CHNL
SALES CHANNEL REPRESENTATIVE	DWR_SL_CHNL_RPRSTV
SALES FORECAST ITEM ORG HIERARCHY WEEK	DWR_SL_FRCST_ITEM_ORG_HRCHY_WK
SALES PLAN ITEM ORG HIERARCHY WEEK	DWR_SL_PLN_ITEM_ORG_HRCHY_WK
SALES RESTRICTION	DWR_SL_RSTRCT
SCRAP_VALUES	DWB_SCRP_VAL
SEASON	DWL_SEASON
SECOND	DWR_SCND
SEGMENT CRITERIA	DWR_SEG_CRTRA
SEGMENT DIM	DWR_SEG_DIM
SEGMENT PAIR DIM	TBS
SEGMENT SCHEDULE	DWB_SEG_SCHL
SELLING LOCATION	DWR_SLNG_LOC
SELLING LOCATION TYPE	DWL_SLNG_LOC_TYP
SERVICE	DWR_SRVC
SERVICE	DWR_SRVC_DIM
SERVICE COVERAGE AREA	DWR_SRVC_COVRG_AREA
SERVICE COVERAGE GEO DETAIL	DWR_SRVC_COVRG_GEO_DTL

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
Shop_Findings	DWB_SHOP_FNDNGS
SKILL TYPE	DWL_SKILL_TYP
SKU ITEM	DWR_SKU_ITEM
SOC JOB	DWR_SOC_JB
SOURCE SYSTEM	DWR_SRC_SYS
SOURCE SYSTEM KEY MAPPING	DWR_SRC_SYS_KEY_MAPNG
SSR	DWR_SSR
SUPPLIER	DWR_SUPLIR
SWOT TYPE	DWL_SWOT_TYP
TARGET ACCESS METHOD	DWR_TRGT_ACCS_MTHD
TARGET ACCOUNT	DWR_TRGT_ACCT
TARGET GEOGRAPHY AREA	DWR_TRGT_GEO_AREA
TARGET TYPE	DWL_TRGT_TYP
TASK ASSIGNMENT	DWR_TSK_ASGN
TASK EFFECTIVITIES	DWB_TSK_EFCTVTY
TASK LIST	DWB_TSK_LST
TAX LINE ITEM	DWB_TAX_LN_ITEM
TAXABLE GROUP	DWR_TAXBL_GRP
TERMINAL	DWR_TRML
TICKET	DWB_TCKT
TICKET COUPON	DWB_TCKT_CPN
TICKET DELIVERY ARRANGEMENT	DWB_TCKT_DLVRY_ARNGMNT
TICKET PRICE	DWB_TCKT_PRC
TICKET PRICING DISCOUNT	DWB_TCKT_PRCNG_DISC
TICKET PRICING DOCUMENT DETAILS	DWB_TCKT_PRCNG_DISC_DTLS
TICKETING FORM OF PAYMENT	DWB_TCKTNG_FORM_OF_PYMT
TIME DIM	DWR_TIME_DIM
TIME PERIOD	DWL_TIME_PRD
TIME STANDARD BY DAY	DWR_TIME_STNDRD_BY_DAY
TIME STANDARD BY WEEK	DWR_TIME_STNDRD_BY_WK
TIME TOTAL	DWR_TIME_TOT
TIME ZONE	DWR_TIME_ZN
TOUR	DWB_TOUR
TRACKED ITEM	DWB_TRCKD_ITEM
TRAFFIC CATEGORY	DWR_TRFC_CTGRY
TRAFFIC CATEGORY	DWR_TRFC_CTGRY_DIM
TRANSACTION TYPE	DWL_TRX_TYP

Table 4-1 (Cont.) Entity Mapping Table: Logical to Physical Mapping

Entity	Physical Table Name
TRANSFER EARNING	DWB_TRNSFR_ERNG
TRAVEL CLASS	DWL_TRVL_CLS
TSM	DWB_TSM
TSM DOC	DWB_TSM_DOC
TSM EXCESS BAGGAGE	DWR_TSM_EXCSS_BAG
TSM MCO	DWR_TSM_MCO
TSM MCO FARES	DWB_TSM_MCO_FARES
TSM MCO TAX	DWB_TSM_MCO_TAX
TSM PASSENGER	DWR_TSM_PAX
TSM PAYMENT	DWB_TSM_PYMT
TSM PRICE	DWR_TSM_PRC
TSM RFI	DWB_TSM_RFI
TSM ROUTE	DWB_TSM_XSB_RT
TSM ROUTE	DWR_TSM_ROUTE
TSM SERVICE	DWR_TSM_SRVC
UNIT CONFIGURATION HEADER	DWR_UNIT_CNFGRTN_HDR
UNIT CONFIGURATION HISTORY	DWR_UNIT_CNFGRTN_HIST
UNIT MAINTENANCE PLAN	DWR_UNIT_MNTNCE_PLN
UNIT MAINTENANCE PLAN COUNTER HISTORY	DWR_UNIT_MNTNCE_PLN_CNTR_HIST
UNIT MAINTENANCE PLAN THRESHOLD RULE	DWR_UNT_MNTNC_PLN_THSLD_RLE
UNIT SCHEDULES	DWB_UNIT_SCHL
UNIT_ACCOMPLISHMNTS	DWR_UNIT_ACMPLSHMNTS
UNIT_DEFERRALS	DWR_UNIT_DFRLS
UNIT_EFFECTIVITIES	DWB_UNIT_EFCTVTS
USER	DWR_USER
VALUE TYPE	DWL_VAL_TYP
VEHICLE	DWR_VHCL
VIRTUAL TEAM	DWR_VRTL_TEAM
WARRANTY_ENTITLEMENTS	DWR_WRNTY_ENTLMNTS
WEATHER	DWB_WEATHR
WEEK TODATE TRANSFORMATION	DWR_WK_TODATE_TRANS
WEEK TRANSFORMATION	DWR_WK_TRANS
WEEKDAY	DWR_WKDAY
WORK ORDER	DWB_WO
WORK ORDER OPERATION	DWR_WO_OPRN

Extra

DWD_FLT_OPRNDWR_BSNS_MO_DIM
DWR_BSNS_TEN_DAYS_CYCL
DWR_CRPRT_BSNS_TYP
DWR_DAY_ACT_CNDTN
DWR_DAY_TODATE_TRANS
DWR_DAY_TRANS
DWR_FLTSEG_INV_CBNBKG_CLS
DWR_FLTSEG_INV_CBNBKG_SBC
DWR_MNTDWR_PRD_TODATE_TRANS
DWR_PRD_TRANS

Related Topics

- Logical Data Model Entity Dictionary (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

5

Oracle Airlines Data Model Partitioning

Provides the partitioning strategy for the Oracle Airlines Data Model physical base, derived, and aggregate tables.

- Partitioning Strategy for Oracle Airlines Data Model (page 5-1)
  Includes a table that shows the partitioning keys and level for the Oracle Airlines Data Model physical base, derived, and aggregate tables.

5.1 Partitioning Strategy for Oracle Airlines Data Model

Includes a table that shows the partitioning keys and level for the Oracle Airlines Data Model physical base, derived, and aggregate tables.

Table 5-1 Physical Data Model Partitioning

Physical Table Name	Partition Key Column	Partition Level	Default Tablespace Name
DWA_BKG_DLY_INV_SNPST	CLNDR_KEY	DAY	TBS_MV
DWA_CDSHR_BRDG	MO_KEY	MONTH	TBS_MV
DWA_CHKIN_DLY	CLNDR_KEY	DAY	TBS_MV
DWA_CUST_SRVEY	CLNDR_KEY	DAY	TBS_MV
DWA_DLY_BKG	CLNDR_KEY	DAY	TBS_MV
DWA_DLY_CALL_CNTR_PRFMNCE	CLNDR_KEY	DAY	TBS_MV
DWA_DLY_FLT_DTLS	FLT_DT_KEY	DAY	TBS_MV
DWA_DLY_LYALTY_ACCT	CLNDR_KEY	DAY	TBS_MV
DWA_DLY_LYALTY_ACCT_BKG	CLNDR_KEY	DAY	TBS_MV
DWB_ACCT_LVL_HIST	VALID_DT	DAY	TBS_BASE
DWB_ACCT_PYMT	PYMT_DT	DAY	TBS_BASE
DWB_ACCT_TRNSFR	TRNSFR_DT	DAY	TBS_BASE
DWB_BKG_AGNT_OPT_LN	OPT_DT	DAY	TBS_BASE
DWB_BKG_CMPGN_ASGN	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWB_BKG_RMRK	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWB_BKG_SSR	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWB_BKG_SSR_BRDG	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWB_BKG_STAT_CHNG_HIST	STAT_CHNG_DT_TIME	DAY	TBS_BASE
DWB_BKG_TST_FARE_DATA	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWB_BKG_TST_PFC_TAX_AMT	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWB_BKG_TST_PRC	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWB_BKG_TST_SEG	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE

Table 5-1 (Cont.) Physical Data Model Partitioning

Physical Table Name	Partition Key Column	Partition Level	Default Tablespace Name
DWB_BKG_TST_TAX	SRC_SYS_CRTD_TMSTMP	DAY	TBS_BASE
DWD_BKG_FCT	CLNDR_KEY	DAY	TBS_DERIVED
DWD_CALL_CNTR_PRFMNC	CLNDR_KEY	DAY	TBS_DERIVED
DWD_CHKIN	CLNDR_KEY	DAY	TBS_DERIVED
DWD_CUST_SRVY	CLNDR_KEY	DAY	TBS_DERIVED
DWD_FLT_DTLS	CLNDR_KEY	DAY	TBS_DERIVED
DWD_LYLTY_ACCT_BAL_HIST	CLNDR_KEY	DAY	TBS_DERIVED
DWD_LYLTY_ACCT_LVL_HIST	CLNDR_KEY	DAY	TBS_DERIVED
DWD_RVN_CST	DAY_KEY	DAY	TBS_DERIVED
DWD_TCKT	CLNDR_KEY	DAY	TBS_DERIVED

Part II

Intra-ETL, OLAP, Data Mining, and Utility Scripts

Provides information on Oracle Airlines Data Model Inter-ETL Mapping, OLAP, Data Mining, and Utility Scripts.

6
Oracle Airlines Data Model Intra-ETL

Describes the source and target tables for the Intra-ETL.

6.1 Introduction to Oracle Airlines Data Model Intra-ETL

> **Note:**
>
> Do not make changes to the ETL as such changes are not supported.

In Oracle Airlines Data Model, reference tables store master and reference data; and the base, derived, and aggregate tables store transaction and fact data at different granularities. The base tables store the transaction data at the lowest level of granularity, while the derived and aggregate tables store consolidated and summary transaction data.

Two types of Extract, Transform, and Load (ETL) operations populate the tables with data. The source-ETL operations populate the reference and base tables with data from the source On-Line Transaction Processing (OTLP) applications. Additional Intra-ETL operations populate the derived and aggregate tables with the data in the base and reference tables. While the source ETL operations are not a part of Oracle Airlines Data Model, the Intra-ETL operations are:

- **Derived Population** Oracle Data Integrator defines the scripts that populate the derived tables based on the content of the base and reference tables.
- **Aggregate Population** Oracle Data Integrator defines the scripts to refresh the Oracle Airlines Data Model aggregate tables based on the content of the derived tables and some reference tables.

Derived and Aggregate tables are implemented using Oracle tables.

For more information, see Intra-ETL Process Flows (page 6-41) see "Intra-ETL Process Flows (page 6-41)".

6.2 Value Lookup Models for PL/SQL Procedures

The value lookup models contains the lookup tables and the associated values which are used in Intra-ETL mapping.

The following table shows the tables and values which are used in join conditions and filter conditions in Intra-ETL mapping:

Table 6-1 Value Lookup Values for Intra-ETL Mapping

Hard Coded Value Table Name	Hard Coded Value Column	Value used	ETL Program Name	ETL Usage Type
DWR_SL_CHNL	SL_CHNL_CD	Airline Agent, Other Agent	PKG_DWD_CALL_CNTR_PRFMNC	Source Input
DWR_INTRACN_RSLT	INTRACN_RSLT_NAME	Satisfy, Dissatisfy	PKG_DWA_CUST_SRVEY	Source Input
DWR_INTRACN_RSN	INTRACN_RSN_NAME	Survey,Service Call,Inbound Marketing,Outbound Marketing,Customer Complaint	PKG_DWA_CUST_SRVEY	Source Input

6.3 Intra-ETL PL/SQL Mapping Source and Target Tables

Lists the transformations for mapping source tables to target tables to populate Derived and Aggregate tables.

- PKG_DWA_CUST_SRVY Mapping (page 6-3)
  Shows the PKG_DWA_CUST_SRVY source and target table mapping.
- PKG_DWA_DLY_BKG Mapping (page 6-4)
  Show the source tables for the mapping to populate target table DWA_DLY_BKG.
- PKG_DWA_DLY_CALL_CNTR_PRFMNC Mapping (page 6-7)
  Shows the source table and mapping to populate target table DWA_DLY_CALL_CNTR__PRFMNC.
- PKG_DWA_DLY_FLT_DTLS Mapping (page 6-8)
  Shows the source table and mapping to populate target table DWA_DLY_FLT_DTLS.
- PKG_DWA_DLY_LYALTY_ACCT_BKG Mapping (page 6-9)
  Shows the source table and mapping to populate target DWA_DLY_LYALTY_ACCT_BKG.
- PKG_DWA_DLY_LYALTY_ACCT Mapping (page 6-10)
  Shows the source tables and mapping for DWA_DLY_LYALTY_ACCT.
- PKG_DWD_BKG_FCT Mapping (page 6-13)
  Shows the source tables and mapping for PKG_DWD_BKG_FCT.
- PKG_DWD_CALL_CNTR_PRFMNC Mapping (page 6-18)
  Shows the source tables and mapping to populate target table DWD_CALL_CNTR_PRFMNC.

6.3.1 PKG_DWA_CUST_SRVY Mapping

Shows the PKG_DWA_CUST_SRVY source and target table mapping.

Source Tables

DWD_CUST_SRVY

DWR_INTRATN_RSN

DWR_INTRATN_RSLT

Table 6-2 PKG_DWA_CUST_SRVY ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description
CLNDR_KEY	DWD_CUST_SRVY	CLNDR_KEY	Direct Mapping. The foreign key to DWR_CLNDR
INTRACN_RSN_KEY	DWD_CUST_SRVY	INTRACN_RSN_KEY	Direct Mapping. The foreign key to DWR_INTRACN_RSN
MO_KEY	DWD_CUST_SRVY	MO_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table
SATISFY_CN	DWR_INTRACN_RSLT rslt,DWR_INTRACN_RSN rsn	rslt.INTRACN_RSLT_NAME,rsn.INTRACN_RSN_NAME	None
SRVC_KEY	DWD_CUST_SRVY	SRVC_KEY	Direct Mapping. The foreign key to DWR_SRVC

Table 6-2 (Cont.) PKG_DWA_CUST_SRVY ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description
TOT_SRVY_CNT	DWR_INTRACN_RSLT rslt	INTRACN_RSLT_NAME	DWD_CUST_SRVY left join DWR_INTRACN_RSLT rslt on (ccp.INTRACN_RSLT_KEY=rslt.INTRACN_RSLT_KEY and rslt.CURR_IND='Y')

Related Topics

- CUSTOMER SURVEY AGG (page 2-15)
  Lists the logical data model entities, in an alphabetical order.

6.3.2 PKG_DWA_DLY_BKG Mapping

Show the source tables for the mapping to populate target table DWA_DLY_BKG.

Source Tables

DWD_BKG_FCT

DWD_RVN_CST

DWR_CMPGN

Table 6-3 PKG_DWA_DLY_BKG_ ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
BELLY_CARGO_RVN	DWD_RVN_CST	CARGO_FRGHT_RVN	DWD_BKG_FCT left join DWD_RVN_CST rvn on (rvn.DAY_KEY=bkg.CLNDR_KEY and rvn.FLT_KEY=bkg.FLT_KEY)	SUM(Nvl(rvn.CARGO_FRGHT_RVN,0))
BKD	DWD_BKG_FCT	BKG_CD	None	Count(bkg.BKG_CD)
BKG_CLS_KEY	DWD_BKG_FCT	BKG_CLS_KEY	Direct Mapping. The foreign key to DWR_BKG_CLS	None
CARRIER_KEY	DWD_BKG_FCT	CARRIER_KEY	Direct Mapping. The foreign key to DWR_CARRIER	None
CDSHR_RVN	DWD_BKG_FCT	CPN_AMT	None	Sum(Case When bkg.CDSHR_IND='Y' Then nvl(bkg.CPN_AMT,0) Else 0 end)
CHARTER_RVN	DWD_RVN_CST	OTHR_RVN_CHARTER	DWD_BKG_FCT left join DWD_RVN_CST rvn on (rvn.DAY_KEY=bkg.CLNDR_KEY and rvn.FLT_KEY=bkg.FLT_KEY)	SUM(Nvl(rvn.OTHR_RVN_CHARTER,0)) CHARTER_RVN
CITY_KEY	DWD_BKG_FCT	CITY_KEY	Direct Mapping. The foreign key to DWR_GEO	None

Table 6-3 (Cont.) PKG_DWA_DLY_BKG_ ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CLNDR_KEY	DWD_BKG_FCT	CLNDR_KEY	Direct Mapping. The foreign key to DWR_CLNDR	None
CMPGN_KEY	DWR_CMPGN	CMPGN_KEY	Direct Mapping. The foreign key to DWR_CMPGN	None
CNCL_CNT	DWD_BKG_FCT	BKG_CD	None	Count(Case When bkg.CNCL_DTTIME is not null Then bkg.BKG_CD end) CNCL_CNT
CNCL_FROM_CNFRMD	DWD_BKG_FCT	BKG_CD	None	Count(Case When bkg.CNFRM_DTTIME<bkg.CNCL_DTTIME then bkg.BKG_CD end) CNCL_FROM_CNFRMD
CNFRMD_CNT	DWD_BKG_FCT	BKG_CD	None	Count(Case When bkg.CNFRM_DTTIME is not null Then bkg.BKG_CD end) CNFRMD_CNT
CPN_CNT	DWD_BKG_FCT	CPN_CD	None	Count(bkg.CPN_CD) CPN_CNT
CRPRT_CUST_KEY	DWD_BKG_FCT	CRPRT_CUST_KEY	Direct Mapping. The foreign key to DWR_CRPRT_CUST	None
EXCSS_BAG_RVN	DWD_RVN_CST	EXCSS_BAG_RVN	DWD_BKG_FCT left join DWD_RVN_CST rvn on (rvn.DAY_KEY=bkg.CLNDR_KEY and rvn.FLT_KEY=bkg.FLT_KEY)	Sum(Nvl(rvn.EXCSS_BAG_RVN,0)) EXCSS_BAG_RVN
FLN_PAX_CNT	DWD_BKG_FCT	FLN_PAX_CNT	Direct Mapping. This indicates the FLOWN PASSENGER COUNT	Sum(Nvl(bkg.FLN_PAX_CNT,0))
FLN_RVN	DWD_BKG_FCT	FLN_RVN	Direct Mapping. This indicates the FLOWN REVENUE	Sum(Nvl(bkg.FLN_RVN,0))
FLN_RVN_ORGN_TO_DSTN_OFRD	DWD_BKG_FCT	FLN_RVN_ORGN_TO_DSTN_OFRD	Direct Mapping. This indicates the FLOWN REVENUE ORIGIN TO DESTINATION OFFERED	Sum(Nvl(bkg.FLN_RVN_ORGN_TO_DSTN_OFRD,0))
FLT_KEY	DWD_BKG_FCT	FLT_KEY	Direct Mapping. The foreign key to DWR_FLT	None
GRP_BKD_QTY	DWD_BKG_FCT	BKG_CD	None	Count(Case When bkg.GRPNG_IND is not null Then bkg.BKG_CD end) GRP_BKD_QTY
GRP_PAX_CNT	DWD_BKG_FCT	PAX_KEY	None	Count(Case When bkg.GRPNG_IND is not null Then bkg.PAX_KEY end) GRP_PAX_CNT
INDVL_BKD_QTY	DWD_BKG_FCT	BKG_CD	None	Count(Case When bkg.GRPNG_IND is null Then bkg.BKG_CD end) INDVL_BKD_QTY
INDVL_PAX_CNT	DWD_BKG_FCT	PAX_KEY	None	Count(Case When bkg.GRPNG_IND is null Then bkg.PAX_KEY end) INDVL_PAX_CNT

Table 6-3 (Cont.) PKG_DWA_DLY_BKG_ ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
MO_KEY	DWD_BKG_FCT	MO_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
NET_BKD	DWD_BKG_FCT	BKG_CD	None	Count(Case When not bkg.CNFRM_DTTIME<bkg.CNCL_DTTIME then bkg.BKG_CD end) NET_BKD
NET_CNFRMD	DWD_BKG_FCT	KG_CD	None	Count(Case When bkg.CNFRM_DTTIME is not null and not bkg.CNFRM_DTTIME<bkg.CNCL_DTTIME Then bkg.BKG_CD end) NET_CNFRMD
NON_RVN_FLN_PAX_CNT	DWD_BKG_FCT	NON_RVN_FLN_PAX_CNT	Direct Mapping. This indicates the NON REVENUE FLOWN PASSENGER COUNT	Sum(Nvl(bkg.NON_RVN_FLN_PAX_CNT,0))
OFF_KEY	DWD_BKG_FCT	OFFC_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	No value
OFRD_ORGN_TO_DSTN_FLN_PAX_CNT	DWD_BKG_FCT	OFRD_ORGN_TO_DSTN_FLN_PAX_CNT	Direct Mapping. This indicates the OFFERED ORIGIN TO DESTINATION FLOWN PASSENGER COUNT	Sum(Nvl(bkg.OFRD_ORGN_TO_DSTN_FLN_PAX_CNT,0))
ONBOARD_RVN	DWD_BKG_FCT	ONBOARD_RVN	Direct Mapping. This indicates the ONBOARD REVENUE	Sum(Nvl(bkg.ONBOARD_RVN,0))
ONFLT_ORGN_TO_DSTN_FLT_RVN	DWD_BKG_FCT	ONFLT_ORGN_TO_DSTN_FLT_RVN	Direct Mapping. This indicates the ONFLIGHT ORIGIN TO DESTINATION FLIGHT REVENUE	Sum(Nvl(bkg.ONFLT_ORGN_TO_DSTN_FLT_RVN,0))
ONFLT_ORGNTO_DSTN_FLN_PAX_CNT	DWD_BKG_FCT	ONFLT_ORGNTO_DSTN_FLN_PAX_CNT	Direct Mapping.	Sum(Nvl(bkg.ONFLT_ORGNTO_DSTN_FLN_PAX_CNT,0))
OTHR_CHRGS	DWD_RVN_CST	OTHR_OVRFLYNG_CHRGS	DWD_BKG_FCT left join DWD_RVN_CST rvn on (rvn.DAY_KEY=bkg.CLNDR_KEY and rvn.FLT_KEY=bkg.FLT_KEY)	Sum(Nvl(rvn.OTHR_OVRFLYNG_CHRGS,0)) OTHR_CHRGS
OTHR_RVN	DWD_RVN_CST	OTHR_RVN_CHARTER	DWD_BKG_FCT left join DWD_RVN_CST rvn on (rvn.DAY_KEY=bkg.CLNDR_KEY and rvn.FLT_KEY=bkg.FLT_KEY)	Sum(Nvl(rvn.OTHR_RVN_CHARTER,0)) OTHR_RVN
PAX_CNT	DWD_BKG_FCT	PAX_KEY	None	Count(bkg.PAX_KEY) PAX_CNT
SEG_KEY	DWD_BKG_FCT	SEG_KEY	Direct Mapping. The foreign key to DWR_SEG	None

Table 6-3 (Cont.) PKG_DWA_DLY_BKG_ ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
SEG_PAIR_KEY	DWD_BKG_FCT	SEG_PAIR_KEY	Direct Mapping. The foreign key to DWR_SEG_PAIR	None
SL_CHNL_KEY	DWD_BKG_FCT	SL_CHNL_KEY	Direct Mapping. The foreign key to DWR_SL_CHNL	None
TAX_AMT	DWD_RVN_CST	PAX_TAX	DWD_BKG_FCT left join DWD_RVN_CST rvn on (rvn.DAY_KEY=bkg.CLNDR_KEY and rvn.FLT_KEY=bkg.FLT_KEY)	Sum(Nvl(rvn.PAX_TAX,0)) TAX_AMT
TCKT_AMT	DWD_BKG_FCT	CPN_AMT	None	Sum(Case When bkg.TCKT_CD is not null Then Nvl(CPN_AMT,0) Else 0 end) TCKT_AMT
TCKTD	DWD_BKG_FCT	BKG_CD	None	Count(Case When bkg.TCKT_CD is not null Then bkg.BKG_CD end) TCKTD
TRFC_CTGRY_KEY	DWD_BKG_FCT	TRFC_CTGRY_KEY	Direct Mapping. The foreign key to DWR_TRFC_CTGRY	None
WTLSTD	DWD_BKG_FCT	BKG_CD	None	None

6.3.3 PKG_DWA_DLY_CALL_CNTR_PRFMNC Mapping

Shows the source table and mapping to populate target table DWA_DLY_CALL_CNTR__PRFMNC.

Source Table

DWD_CALL_CNTR_PRFMNC

Table 6-4 PKG_DWA_DLY_CALL_CNTR_PRFMNC ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACCESSIBLE_CNT	DWD_CALL_CNTR_PRFMNC	TALK_DRTN, HNDL_BY_IVR_IND	None	SUM(CASE WHEN TALK_DRTN = 0 AND HNDL_BY_IVR_IND= 'Y' THEN 1 ELSE 0 END) AS ACCESSIBLE_CNT ,COUNT(CALL_CNTR_AGNT_KEY) AS AGNT_CNT
AGNT_CNT	DWD_CALL_CNTR_PRFMNC	CALL_CNTR_AGNT_KEY	This indicates the CALL CENTER AGENT KEY	COUNT(CALL_CNTR_AGNT_KEY) AS AGNT_CNT
CALL_CNT	DWD_CALL_CNTR_PRFMNC	PRTY_INTRACN_CALL_CD	None	COUNT(PRTY_INTRACN_CALL_CD) AS CALL_CNT

Table 6-4 (Cont.) PKG_DWA_DLY_CALL_CNTR_PRFMNC ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CLNDR_KEY	DWD_CALL_CNTR_PRFMNC	CLNDR_KEY	Direct Mapping. The foreign key to DWR_CLNDR	None
MNT_OF_CALL_DRTN	DWD_CALL_CNTR_PRFMNC	CUST_SATISFACTN_IND, DLY_CALL_CNTR_PRFMNC_KEY	None	COUNT(CASE WHEN CUST_SATISFACTN_IND= 'Y' THEN DLY_CALL_CNTR_PRFMNC_KEY END) AS STFY_CNT
MO_KEY	DWD_CALL_CNTR_PRFMNC	MO_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
OFFC_KEY	DWD_CALL_CNTR_PRFMNC	OFFC_KEY	Direct Mapping. The foreign key to DWR_BKG_OFFC	None
SATISFY_CALL	DWD_CALL_CNTR_PRFMNC	CUST_SATISFACTN_IND	This indicates the SOURCE SYSTEM IDENTIFIER	SUM(CASE WHEN CUST_SATISFACTN_IND='Y' THEN 1 ELSE 0 END)

6.3.4 PKG_DWA_DLY_FLT_DTLS Mapping

Shows the source table and mapping to populate target table DWA_DLY_FLT_DTLS.

Source Table

DWD_FLT_DETLS

Table 6-5 PKG_DWA_DLY_FLT_DTLS ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACV_TOT_CPCTY	DWD_FLT_DTLS	ACV_TOT_CPCTY	Direct Mapping. This indicates the AIRCRAFTVERSION TOTAL CAPACITY	Sum(nvl(ACV_TOT_CPCTY,0))
FLT_DT_KEY	DWD_FLT_DTLS	CLNDR_KEY	Direct Mapping. The foreign key to DWR_CLNDR	None
FLT_KEY	DWD_FLT_DTLS	FLT_KEY	Direct Mapping. The foreign key to DWR_FLT	None
NAUTICAL_MLS	DWD_FLT_DTLS	NAUTICAL_MILES	Direct Mapping. This indicates the NAUTICAL MILES	Sum(nvl(NAUTICAL_MILES,0))
SALEBLE_TOT_CPCTY	DWD_FLT_DTLS	SALEBLE_TOT_CPCTY	Direct Mapping. This indicates the SALEBLE TOTAL CAPACITY	Sum(nvl(SALEBLE_TOT_CPCTY,0))
SEG_KEY	DWD_FLT_DTLS	SEG_KEY	Direct Mapping. The foreign key to DWR_SEG	None

6.3.5 PKG_DWA_DLY_LYALTY_ACCT_BKG Mapping

Shows the source table and mapping to populate target DWA_DLY_LYALTY_ACCT_BKG.

Source Tables

DWD_BKG_FACT

DWR_FREQ_FLYR

Table 6-6 PKG_DWA_DLY_LYALTY_ACCT_BKG ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACTVTY_CNT	DWR_FREQ_FLYR	ACTV_ACCT_IND	Direct Mapping.	Sum (Case When ff.ACTV_ACCT_IND='Y' Then 1 Else 0 end) ACTVTY_CNT
BKD_CNT	DWD_BKG_FCT		None	count(1) --bkg.BKD_CNT
CLNDR_KEY	DWD_BKG_FCT	CLNDR_KEY	Direct Mapping. The foreign key to DWR_CLNDR	None
CNCL_CNT	DWD_BKG_FCT	CNCL_DTTIME	None	Sum (Case When bkg.CNCL_DTTIME is not null Then 1 Else 0 end) CNCL_CNT
CNFRMD_CNT	DWD_BKG_FCT	CNFRM_DTTIME	None	Sum (Case When bkg.CNFRM_DTTIME is not null Then 1 Else 0 end) CNFRMD_CNT
FLN_PAX_CNT	DWD_BKG_FCT	FLN_PAX_CNT	Direct Mapping. This indicates the FLOWN PASSENGER COUNT	Sum (Nvl(bkg.FLN_PAX_CNT,0)) FLN_PAX_CNT
FLN_RVN	DWD_BKG_FCT	FLN_RVN	Direct Mapping. This indicates the FLOWN REVENUE	Sum (Nvl(bkg.FLN_RVN,0)) FLN_RVN
FLN_RVN_BY_ACTVTY	DWD_BKG_FCT,DWR_FREQ_FLYR	FLN_RVN	Direct Mapping.	Sum (Case When ff.ACTV_ACCT_IND='Y' Then Nvl(bkg.FLN_RVN,0) Else 0 end) FLN_RVN_BY_ACTVTY
FLT_CNT	DWD_BKG_FCT	FLT_KEY	None	Count(Distinct bkg.FLT_KEY) FLT_CNT
LYLTY_ACCT_CNT	DWD_BKG_FCT	FRQTFLR_CARD_KEY	None	Count(Distinct bkg.FRQTFLR_CARD_KEY) LYLTY_ACCT_CNT
LYLTY_LVL_KEY	DWR_FREQ_FLYR	LYLTY_LVL_KEY	Direct Mapping. The foreign key to DWR_LYLTY_LVL	None
LYLTY_PROG_KEY	DWR_FREQ_FLYR	LYLTY_PROG_KEY	Direct Mapping. The foreign key to DWR_LYLTY_PROG	None

Table 6-6 (Cont.) PKG_DWA_DLY_LYALTY_ACCT_BKG ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
MO_KEY	DWD_BKG_FCT	MO_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
OFFC_KEY	DWD_BKG_FCT	OFFC_KEY	It indicates the foreign key which is the primary key of the other table	None
PAX_CNT	DWD_BKG_FCT	PAX_KEY	None	Count(bkg.PAX_KEY) PAX_CNT
TCKT_AMT	DWD_BKG_FCT	CPN_AMT	Direct Mapping.	Sum(Nvl(bkg.CPN_AMT,0)) TCKT_AMT
TCKT_AMT_LCL	DWD_BKG_FCT	CPN_AMT_LCL	Direct Mapping.	Sum(Nvl(bkg.CPN_AMT_LCL,0)) TCKT_AMT_LCL
TCKT_AMT_RPT	DWD_BKG_FCT	CPN_AMT_RPT	Direct Mapping.	Sum(Nvl(bkg.CPN_AMT_RPT,0)) TCKT_AMT_RPT

6.3.6 PKG_DWA_DLY_LYALTY_ACCT Mapping

Shows the source tables and mapping for DWA_DLY_LYALTY_ACCT.

Source Tables

DWR_FREQ_FLYR

DWD_LYLTY_ACCT_LVL_HIST

DWD_LYLTY_ACCT_BAL_HIST

Table 6-7 PKG_DWA_DLY_LYALTY_ACCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACTVTY_CNT	DWD_LYLTY_ACCT_LVL_HIST, DWR_FREQ_FLYR	FRQTFLR_CARD_KEY	Direct Mapping.	Count(Distinct CASE WHEN ff.ACTV_ACCT_IND='Y' Then lalh.FRQTFLR_CARD_KEY end) ACTVTY_CNT
CITY_KEY	DWR_FREQ_FLYR	CITY_KEY	Direct Mapping. The foreign key to DWR_GEO	None
CLNDR_KEY	DWD_LYLTY_ACCT_LVL_HIST	CLNDR_KEY	Direct Mapping. The foreign key to DWR_CLNDR	None

Table 6-7 (Cont.) PKG_DWA_DLY_LYALTY_ACCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
DEGRADE_CNT	DWD_LYLTY_ACCT_LVL_HIST, DWR_FREQ_FLYR	lalh.FRQTFLR_CARD_KEY	DWD_LYLTY_ACCT_BAL_HIST left join DWR_FREQ_FLYR ff on (lalh.FRQTFLR_CARD_KEY=ff.LYLTY_ACCT_KEY and ff.CURR_IND='Y')	Count(Distinct CASE WHEN last_lvl.LAST_LVL_KEY > ff.LYLTY_LVL_KEY Then lalh.FRQTFLR_CARD_KEY end) DEGRADE_CNT
LYLTY_ACCT_CNT	DWD_LYLTY_ACCT_LVL_HIST, DWR_FREQ_FLYR	FRQTFLR_CARD_KEY	DWD_LYLTY_ACCT_BAL_HIST left join DWR_FREQ_FLYR ff on (lalh.FRQTFLR_CARD_KEY=ff.LYLTY_ACCT_KEY and ff.CURR_IND='Y')	Count(Distinct CASE WHEN ff.ACCT_CLS_DT is null Then lalh.FRQTFLR_CARD_KEY end) -- LYLTY_ACCT_CNT
LYLTY_LVL_KEY	DWD_LYLTY_ACCT_LVL_HIST	LYLTY_LVL_KEY	Direct Mapping. The foreign key to DWR_LYLTY_LVL	None
LYLTY_PTROGRAM_KEY	DWD_LYLTY_ACCT_BAL_HIST	LYLTY_PROG_KEY	The foreign key to DWR_LYLTY_PROG	None
MILES_ERND_AMT	DWD_LYLTY_ACCT_BAL_HIST,	labh.CURR_MILES_AMT ,last_amt.LAST_MILES_AMT	DWD_LYLTY_ACCT_LVL_HIST left join DWD_LYLTY_ACCT_BAL_HIST labh on (lalh.FRQTFLR_CARD_KEY=labh.FRQTFLR_CARD_KEY and lalh.MO_KEY=labh.MO_KEY and lalh.CLNDR_KEY=labh.CLNDR_KEY)	Sum(Case when labh.CURR_MILES_AMT> last_amt.LAST_MILES_AMT then labh.CURR_MILES_AMT- last_amt.LAST_MILES_AMT Else 0 end) MILES_ERND_AMT
MILES_ERND_AMT_LCL	DWD_LYLTY_ACCT_BAL_HIST	labh.CURR_MILES_AMT_LCL,last_amt.LAST_MILES_AMT_LCL	Direct Mapping.	Sum(Case when labh.CURR_MILES_AMT_LCL>last_amt.LAST_MILES_AMT_LCL then labh.CURR_MILES_AMT_LCL- last_amt.LAST_MILES_AMT_LCL Else 0 end) MILES_ERND_AMT_LCL
MILES_ERND_AMT_RPT	DWD_LYLTY_ACCT_BAL_HIST	labh.CURR_MILES_AMT_RPT,last_amt.LAST_MILES_AMT_RPT	Direct Mapping.	Sum(Case when labh.CURR_MILES_AMT_RPT>last_amt.LAST_MILES_AMT_RPT then labh.CURR_MILES_AMT_RPT- last_amt.LAST_MILES_AMT_RPT Else 0 end) MILES_ERND_AMT_RPT

Table 6-7 (Cont.) PKG_DWA_DLY_LYALTY_ACCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
MILES_REDMD_AMT	DWD_LYLTY_ACCT_BAL_HIST	last_amt.LAST_MILES_AMT,labh.CURR_MILES_AMT	DWD_LYLTY_ACCT_LVL_HIST left join DWD_LYLTY_ACCT_BAL_HIST labh on (lalh.FRQTFLR_CARD_KEY=labh.FRQTFLR_CARD_KEY and lalh.MO_KEY=labh.MO_KEY and lalh.CLNDR_KEY=labh.CLNDR_KEY)	Sum(Case when labh.CURR_MILES_AMT< last_amt.LAST_MILES_AMT then last_amt.LAST_MILES_AMT - labh.CURR_MILES_AMT Else 0 end) MILES_REDMD_AMT
MILES_REDMD_AMT_LCL	DWD_LYLTY_ACCT_BAL_HIST	last_amt.LAST_MILES_AMT_LCL - labh.CURR_MILES_AMT_LCL	Direct Mapping.	Sum(Case when labh.CURR_MILES_AMT_LCL<last_amt.LAST_MILES_AMT_LCL then last_amt.LAST_MILES_AMT_LCL - labh.CURR_MILES_AMT_LCL Else 0 end) MILES_REDMD_AMT_LCL
MILES_REDMD_AMT_RPT	DWD_LYLTY_ACCT_BAL_HIST	last_amt.LAST_MILES_AMT_RPT - labh.CURR_MILES_AMT_RPT	Direct Mapping.	Sum(Case when labh.CURR_MILES_AMT_RPT<last_amt.LAST_MILES_AMT_RPT then last_amt.LAST_MILES_AMT_RPT - labh.CURR_MILES_AMT_RPT Else 0 end) MILES_REDMD_AMT_RPT
MO_KEY	DWD_LYLTY_ACCT_LVL_HIST	MO_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
TOT_MILES_AMT	DWD_LYLTY_ACCT_BAL_HIST	labh.CURR_MILES_AMT	DWD_LYLTY_ACCT_LVL_HIST left join DWD_LYLTY_ACCT_BAL_HIST labh on (lalh.FRQTFLR_CARD_KEY=labh.FRQTFLR_CARD_KEY and lalh.MO_KEY=labh.MO_KEY and lalh.CLNDR_KEY=labh.CLNDR_KEY)	Sum(Case When labh.CLNDR_KEY Between labh.VALID_FROM and labh.VALID_UPTO Then labh.CURR_MILES_AMT else 0 end) TOT_MILES_AMT
TOT_MILES_AMT_LCL	DWD_LYLTY_ACCT_BAL_HIST	labh.CURR_MILES_AMT_LCL	Direct Mapping.	Sum(Case When labh.CLNDR_KEY Between labh.VALID_FROM and labh.VALID_UPTO Then labh.CURR_MILES_AMT_LCL else 0 end) TOT_MILES_AMT_LCL

Table 6-7 (Cont.) PKG_DWA_DLY_LYALTY_ACCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
TOT_MILES_AMT_RPT	DWD_LYLTY_ACCT_BAL_HIST	labh.CURR_MILES_AMT_RPT	Direct Mapping.	Sum(Case When labh.CLNDR_KEY Between labh.VALID_FROM and labh.VALID_UPTO Then labh.CURR_MILES_AMT_RPT else 0 end) TOT_MILES_AMT_RPT
UPGD_CNT	DWD_LYLTY_ACCT_LVL_HIST	lalh.FRQTFLR_CARD_KEY	None	Count(Distinct CASE WHEN last_lvl.LAST_LVL_KEY < ff.LYLTY_LVL_KEY Then lalh.FRQTFLR_CARD_KEY end) UPGD_CNT

6.3.7 PKG_DWD_BKG_FCT Mapping

Shows the source tables and mapping for PKG_DWD_BKG_FCT.

PKG_DWD_ BKG_FCT ETL Mapping Source Tables

DWB_BKG
DWB_BKG_CMPGN_ASGN
DWB_BKG_SSR
DWB_SEG_SCHL
DWB_TCKT
DWB_TCKT_CPN
DWR_CARRIER
DWR_FLT
DWR_GEO
DWR_SL_CHNL
DWR_TIME
DWR_TRFC_CTGRY

Table 6-8 PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACCT_KEY	DWB_BKG	ACCT_KEY	Direct Mapping.	None
APIS_CMPLT_IND	DWB_BKG	APIS_CMPLT_IND	Direct Mapping.	None
BID_PRC	DWB_BKG	BID_PRC	Direct Mapping.	None
BKG_CD	DWB_BKG	BKG_CD	Direct Mapping.	None
BKG_CLS_KEY	DWB_BKG	BKG_CLS_KEY	Direct Mapping.	None

Table 6-8 (Cont.) PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
BKG_CMPGN_CD	DWB_BKG_CMPGN_ASGN	CMPGN_CD	DWB_BKG left join DWB_BKG_CMPGN_ASGN bca on (bkg.BKG_CD=bca.BKG_CD)	None
BKG_CRTN_TMSTMP	DWB_BKG	SRC_SYS_CRTD_TMSTMP	Direct Mapping.	None
BKG_GRP_IND	DWB_BKG	BKG_GRP_IND	Direct Mapping.	None
BKG_LAST_UPDT_TMSTMP	DWB_BKG	SRC_SYS_UPDTD_TMSTMP	Direct Mapping.	None
BKG_MKTG_FLT_DT	DWB_BKG	MKTG_FLT_DPRT_DT_TIME	Direct Mapping.	None
BKG_MKTG_FLT_DT_LCL	DWB_BKG	MKTG_FLT_DPRT_DT_TIME	Direct Mapping.	None
BKG_OPERTNG_FLT_DT_UTC	DWB_BKG	OPRN_FLT_DPTR_DT_UTC	Direct Mapping.	None
BKG_OPRTNG_FLT_DT_LCL	DWB_BKG	OPRN_FLT_DPTR_DT	Direct Mapping.	None
BKG_OPRTNL_FLT_DT	DWB_BKG	OPRN_FLT_DPTR_DT	Direct Mapping.	None
BKG_STAT_CHNG_IND	DWB_BKG	BKG_STAT_CHNG_IND	Direct Mapping.	None
BKG_TYP	DWB_BKG	BKG_TYP	Direct Mapping.	None
BRDNG_IND	DWB_BKG	BRDNG_IND	Direct Mapping.	None
BSNS_IND	DWB_BKG	BSNS_IND	Direct Mapping.	None
CARRIER_KEY	DWR_CARRIER	CARRIER_KEY	DWB_BKG left join DWR_CARRIER dc on (bkg.CARRIER_CD=dc.CARRIER_CD and dc.CURR_IND='Y')	None
CBN_CD	DWB_BKG	CBN_CD	Direct Mapping.	None
CDSHR_AGRMNT	DWB_BKG	CDSHR_AGRMNT	Direct Mapping.	None
CDSHR_CLS	DWB_BKG	CDSHR_CLS	Direct Mapping.	None
CDSHR_IND		CDSHR_CLS		case when CDSHR_CLS is not null then 'Y' else 'N' end -- bkg.CDSHR_IND
CITY_KEY	DWR_GEO	CITY_KEY	DWR_BKG_OFFC left join DWR_GEO geo on (bkgoff.CITY_CD=geo.CITY_CD and geo.CURR_IND='Y')	None

Table 6-8 (Cont.) PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CLNDR_KEY	DWB_BKG	PNR_CRTN_DT	to_char(bkg.PNR_CRTN_DT,'YYYYMMDD') -- CLNDR_KEY	None
CLS	DWB_BKG	BKG_CLS	Direct Mapping.	None
CNCL_DTTIME	DWB_BKG	BKG_CNCL_DTTIME	Direct Mapping.	None
CNFRM_DTTIME	DWB_BKG	BKG_CNFRM_DTTIME	Direct Mapping.	None
CNFRM_IND	DWB_BKG	CNFRM_IND	Direct Mapping.	None
CPN_AMT	DWB_TCKT	TOT_AMT	DWB_TCKT_CPN left join DWB_TCKT tckt on (tcpn.CPN_CD=tckt.TCKT_CD)	None
CPN_CD	DWB_BKG	PAX_CPN_CD	Direct Mapping.	None
CRPRT_CUST_KEY	DWB_BKG	PAX_KEY	Case When bkg.PAX_TYP='CRPRT_CUST' Then bkg.PAX_KEY end	None
CURR_STAT	DWB_BKG	CURR_IND	Direct Mapping.	None
DEAD_IND		BKG_CNCL_DTTIME		case when BKG_CNCL_DTTIME is not null then 'Y' else 'N' end -- bkg.DEAD_IND
DWFEED_CD	DWB_BKG	DWFEED_CD	Direct Mapping.	None
ECONOMY_IND	DWB_BKG	ECONOMY_IND	Direct Mapping.	None
FIRST_IND	DWB_BKG	FIRST_IND	Direct Mapping.	None
FLN_PAX_CNT	DWB_BKG	FLN_PAX_CNT	Direct Mapping.	None
FLN_RVN	DWB_TCKT	TOT_AMT	DWB_TCKT_CPN left join DWB_TCKT tckt2 on (tcpn2.CPN_CD=tckt2.TCKT_CD)	case when bkg.FLN_DT is not null then tckt2.TOT_AMT else 0 end -- bkg.FLN_RVN
FLN_RVN_ORGN_TO_DSTN_OFRD	DWB_TCKT	TOT_AMT	DWB_TCKT_CPN left join DWB_TCKT tckt2 on (tcpn2.CPN_CD=tckt2.TCKT_CD)	case when bkg.FLN_DT is not null then tckt2.TOT_AMT else 0 end -- bkg.FLN_RVN_ORGN_TO_DSTN_OFRD

Table 6-8 (Cont.) PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
FLT_KEY	DWR_FLT	FLT_KEY	DWB_BKG left join DWR_FLT flt on (bkg.FLT_NBR=flt.FLT_NBR and to_char(bkg.OPRN_FLT_DPTR_DT,'DY') =flt.WKDAY_CD and flt.CURR_IND='Y')	None
FRQTFLR_CARD_KEY	DWB_BKG	FRQTFLR_CARD_KEY	Direct Mapping.	None
FRQTFLR_NBR	DWB_BKG	FRQTFLR_NBR	Direct Mapping.	None
GRPNG_IND	DWB_BKG	GRPNG_IND	Direct Mapping.	None
INFNT_CPN_AMT	DWB_TCKT	TOT_AMT	DWB_TCKT_CPN left join DWB_TCKT tckt2 on (tcpn2.CPN_CD=tckt2.TCKT_CD)	None
INFNT_CPN_CD	DWB_BKG	INFNT_CPN_CD	Direct Mapping.	None
INFO_IND	DWB_BKG	INFORMATIONAL_IND	Direct Mapping.	None
MEAL_CD	DWB_BKG	MEAL_CD	Direct Mapping.	None
MKTG_SEG_DPRT_DT_LCL	DWB_SEG_SCHL	SCHL_SEG_DPRT_DTTIME_LCL	DWB_BKG left join DWB_SEG_SCHL segs2 on (bkg.MKTG_SEG_SCHL_CD=segs2.SEG_SCHL_CD)	None
MKTG_SEG_DPRT_DT_UTC	DWB_SEG_SCHL	SCHL_SEG_DPRT_DTTIME_GMT	DWB_BKG left join DWB_SEG_SCHL segs2 on (bkg.MKTG_SEG_SCHL_CD=segs2.SEG_SCHL_CD)	None
MO_KEY	DWB_BKG	PNR_CRTN_DT	It indicates the foreign key which is the primary key of the other table	to_char(bkg.PNR_CRTN_DT,'YYYYMM') || '01' --bkg.MO_KEY
NEGOSPACE_REF	DWB_BKG	NEGOSPACE_REF	Direct Mapping.	None
NIGHT_IND	DWB_BKG	NIGHT_IND	Direct Mapping.	None
NON_RVN_FLN_PAX_CNT	DWB_BKG	NON_RVN_FLN_PAX_CNT	Direct Mapping.	None
OFF_KEY	DWB_BKG	OFFC_KEY	Direct Mapping.It indicates the foreign key which is the primary key of the other table	None
OFRD_ORGN_TO_DSTN_FLN_PAX_CNT	DWB_BKG	OFRD_ORGN_TO_DSTN_FLN_PAX_CNT	Direct Mapping.	None

Table 6-8 (Cont.) PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ONBOARD_RVN	DWB_TCKT	TOT_AMT	DWB_TCKT_CPN left join DWB_TCKT tckt2 on (tcpn2.CPN_CD=tckt2.TCKT_CD)	case when bkg.CNFRM_IND='Y' then tckt2.TOT_AMT else 0 end -- bkg.ONBOARD_RVN
OPEN_IND	DWB_BKG	OPEN_IND	Direct Mapping.	None
OPRTNG_SEG_DEPTR_LCL_DT_CD	DWB_SEG_SCHL	SCHL_SEG_DPRT_DTTIME_LCL	DWB_BKG left join DWB_SEG_SCHL segs on (bkg.OPERTNG_SEG_SCHL_CD=segs.SEG_SCHL_CD)	None
OPRTNG_SEG_DEPTR_UTC_DT_CD	DWB_SEG_SCHL	SCHL_SEG_DPRT_DTTIME_GMT	DWB_BKG left join DWB_SEG_SCHL segs on (bkg.OPERTNG_SEG_SCHL_CD=segs.SEG_SCHL_CD)	None
ORIGINL_ACTN_CD	DWB_BKG	ORGNL_ACTN_CD	Direct Mapping.	None
OVERBKG_RSN	DWB_BKG	OVERBKG_RSN_DSCR	Direct Mapping.	None
OVERBKG_TYP	DWB_BKG	OVERBKG_TYP	Direct Mapping.	None
PAX_KEY	DWB_BKG	PAX_KEY	Direct Mapping.	None
PNR_CRTN_DT	DWB_BKG	PNR_CRTN_DT	Direct Mapping.	None
PNR_KEY	DWB_BKG	PNR_KEY	Direct Mapping.	None
PNR_RECORDLOCATOR	DWB_BKG	BKG_PNR_RLOC	Direct Mapping.	None
SEAT_NBR	DWB_BKG	SEAT_NBR	Direct Mapping.	None
SEG_KEY	DWB_SEG_SCHL	SEG_KEY	DWB_BKG left join DWB_SEG_SCHL segs on (bkg.OPERTNG_SEG_SCHL_CD=segs.SEG_SCHL_CD)	None
SL_CHNL_KEY	DWR_SL_CHNL	SL_CHNL_KEY	DWB_BKG left join DWR_SL_CHNL schn on (bkg.OFFC_KEY=schn.OFFC_KEY and schn.CURR_IND='Y')	None
SRC_SYS_CRTD_TMSTMP	DWB_BKG	SRC_SYS_CRTD_TMSTMP	Direct Mapping.	None
SRC_SYS_DEL_IND	DWB_BKG	SRC_SYS_DEL_IND	Direct Mapping.	None
SRC_SYS_ID	DWB_BKG	SRC_SYS_ID	Direct Mapping.	None
SRC_SYS_UPDTD_TMSTMP	DWB_BKG	SRC_SYS_UPDTD_TMSTMP	Direct Mapping.	None

Table 6-8 (Cont.) PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
SSR_KEY	DWB_BKG_SSR	SSR_KEY	DWB_BKG left join DWB_BKG_SSR bssr on (bkg.BKG_CD=bssr.BKG_CD)	None
STAT_CD	DWB_BKG	STAT_CD	Direct Mapping.	None
TCKT_CD	DWB_TCKT_CPN	TCKT_CD	DWB_BKG left join DWB_TCKT_CPN tcpn on (bkg.PAX_CPN_CD=tcpn.CPN_CD)	None
TIME_KEY	DWR_TIME	TIME_KEY	DWB_BKG left join DWR_TIME tim on (to_char(bkg.PNR_CRTN_DT,'HH24')=tim.HR_OF_DAY and to_char(bkg.PNR_CRTN_DT,'MI')=tim.MNT_OF_HR)	None
TRFC_CTGRY_KEY	DWR_TRFC_CTGRY	TRFC_CTGRY_KEY	DWB_BKG left join DWR_TRFC_CTGRY tc on (bkg.FLT_NBR=tc.FLT_NBR and tc.CURR_IND='Y')	None
TST_CD	DWB_BKG	TST_CD	Direct Mapping.	None
TST_INFNT_FARE_BASIS_CD	DWB_BKG	TST_INFNT_FARE_BASIS_CD	Direct Mapping.	None
TST_PAX_FARE_BASIS_CD	DWB_BKG	TST_PAX_FARE_BASIS_CD	Direct Mapping.	None
WAITLIST_DTTIME	DWB_BKG	WAITLIST_DTTIME	Direct Mapping.	None
WAITLIST_IND	DWB_BKG	WAITLIST_IND	Direct Mapping.	None
YLD	DWB_BKG	YLD	Direct Mapping.	None

6.3.8 PKG_DWD_CALL_CNTR_PRFMNC Mapping

Shows the source tables and mapping to populate target table DWD_CALL_CNTR_PRFMNC.

Source Tables

DWB_PRTY_INTRACN_CALL

DWR_CALL_CNTR

DWR_CALL_CNTR_AGNT

Table 6-9 PKG_DWD_CALL_CNTR_PRFMNC ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CALL_CNTR_AGNT_KEY	DWR_CALL_CNTR_AGNT	CALL_CNTR_AGNT_KEY	DWB_PRTY_INTRACN_CALL left join DWR_CALL_CNTR_AGNT cca on (pic.CALL_CNTR_AGNT_CD=cca.CALL_CNTR_AGNT_CD and cca.CURR_IND='Y')	None
CLNDR_KEY	DWB_PRTY_INTRACN_CALL	INTRACN_EVT_DT_AND_TIME	It indicates the foreign key which is the primary key of the other table	to_char(pic.INTRACN_EVT_DT_AND_TIME,'YYYYMMDD')
CUST_SATISFACTN_IND	DWB_PRTY_INTRACN_CALL	CUST_SATISFACTN_IND	Direct Mapping. This indicates the CUSTOMER SATISFACTION INDICATOR	None
HLD_DRTN	DWB_PRTY_INTRACN_CALL	HLD_DRTN	Direct Mapping. This indicates the HOLD DURATION	None
HNDL_BY_IVR_IND	DWB_PRTY_INTRACN_CALL	HNDL_BY_IVR_IND	Direct Mapping. This indicates the HANDLED BY IVR INDICATOR	None
INTRACN_DRTN	DWB_PRTY_INTRACN_CALL	INTRACN_DRTN	Direct Mapping. This indicates the INTERACTION DURATION	None
MO_KEY	DWB_PRTY_INTRACN_CALL	INTRACN_EVT_DT_AND_TIME	It indicates the foreign key which is the primary key of the other table	to_char(pic.INTRACN_EVT_DT_AND_TIME,'YYYYMM') || '01'
OFFC_KEY	DWR_CALL_CNTR	CALL_CNTR_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
PRTY_INTRACN_CALL_CD	DWB_PRTY_INTRACN_CALL	PRTY_INTRACN_CALL_CD	Direct Mapping.	None
QUE_DRTN	DWB_PRTY_INTRACN_CALL	QUE_DRTN	Direct Mapping. This indicates the QUEUE DURATION	None
TALK_DRTN	DWB_PRTY_INTRACN_CALL	TALK_DRTN	Direct Mapping. This indicates the TALK DURATION	None

6.3.9 PKG_DWD_CHKIN Mapping

Shows the source tables and mapping for DWD_CHKIN.

Source Tables

DWB_BKG

DWB_CHKIN

DWB_SEG_SCHL

DWR_CHKIN_BAG_GRP

DWR_LEG

Table 6-10 PKG_DWD_CHKIN ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACPT_DSCR	DWB_CHKIN	ACPT_DSCR	Direct Mapping. This indicates the ACCEPTANCE DESCRIPTION	None
ACPT_STAT	DWB_CHKIN	ACPT_STAT	Direct Mapping. This indicates the ACCEPTANCE STATUS	None
ARPRT_KEY	DWB_CHKIN	DPRT_ARPRT_KEY	Direct Mapping.	None
ARRVL_ARPRT	DWB_CHKIN	ARRVL_ARPRT_KEY	Direct Mapping.	None
BAG_GRP_CHKIN_BAG_CNT	DWB_CHKIN	TOT_BAG_NBR	Direct Mapping. This indicates the TOTAL BAGGAGE NUMBER	None
BAG_GRP_CHKIN_BAG_WEIGHTT	DWB_CHKIN	TOT_BAG_WT	Direct Mapping. This indicates the TOTAL BAGGAGE WEIGHT	None
BAG_GRP_KEY	DWR_CHKIN_BAG_GRP	BAG_GRP_KEY	DWB_CHKIN left join DWR_CHKIN_BAG_GRP cbg on (dc.PDI_CD=cbg.PDI_CD and leg. CURR_IND='Y')	None
BAG_GRP_POOL_REF	DWB_CHKIN	BAG_GRP_POOL_REF	Direct Mapping.	None
BAG_GRP_TYP	DWR_CHKIN_BAG_GRP	GRP_TYP	DWB_CHKIN left join DWR_CHKIN_BAG_GRP cbg on (dc.PDI_CD=cbg.PDI_CD and leg. CURR_IND='Y')	None
BAG_STAT	DWB_CHKIN	BAG_STAT	Direct Mapping. This indicates the BAGGAGE STATUS	None
BKG_KEY	DWB_CHKIN	BKG_CD	Direct Mapping.	None
BKG_PDI_INFNT_IND	DWB_CHKIN	BKG_PDI_INFNT_IND	Direct Mapping. This indicates the BOOKING PDI INFANT INDICATOR	None
BRDNG_STAT	DWB_CHKIN	BRDNG_STAT	Direct Mapping. This indicates the BOARDING STATUS	None
CARRIER_KEY	DWB_CHKIN	CARRIER_KEY	Direct Mapping.	None
CHNL_KEY	DWB_CHKIN	CHNL_KEY	Direct Mapping.	None
CLNDR_KEY	DWB_CHKIN	DPRT_DT	This indicates the DEPARTURE DATE	to_char(dc.DPRT_DT,'YYYYMMDD')
CURR_STAT	DWB_CHKIN	CURR_IND	Direct Mapping.	None
CUST_REC_STAT	DWB_CHKIN	CUST_REC_STAT	Direct Mapping. This indicates the CUSTOMER RECORD STATUS	None

Table 6-10 (Cont.) PKG_DWD_CHKIN ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
DPRT_ARPRT	DWB_CHKIN	DPRT_ARPRT_KEY	Direct Mapping.	None
DWFEED_CD	DWB_CHKIN	DWFEED_CD	Direct Mapping.	None
FLT_KEY	DWB_CHKIN	FLT_KEY	Direct Mapping.	None
IATC_ORGNL_INFO	DWB_CHKIN	IATC_ORGN_INFO	Direct Mapping. This indicates the IATC ORIGIN INFORMATION	None
IATCI_ORGNL_CMPNY	DWB_CHKIN	IATCI_ORGN_CMPNY	Direct Mapping. This indicates the IATCI ORIGIN COMPANY	None
IATCI_TRGT	DWB_CHKIN	IATCI_TRGT	Direct Mapping. This indicates the IATCI TARGET	None
IATCI_TRGT_CMPNY	DWB_CHKIN	IATCI_TRGT_CMPNY	Direct Mapping. This indicates the IATCI TARGET COMPANY	None
IATCI_TRGT_CMPNY_CD	DWB_CHKIN	IATCI_TRGT_CMPNY	Direct Mapping. This indicates the IATCI TARGET COMPANY	None
LEG_KEY	DWR_LEG	LEG_KEY	DWB_LEG_SCHL left join DWR_LEG leg on (legs.DPRT_ARPRT_KEY=leg.DPRT_ARPRT_KEY and legs. ARRVL_ARPRT_KEY=leg.ARRVL_ARPRT_KEY and leg.CURR_IND='Y')	None
MO_KEY	DWB_CHKIN	DPRT_DT		to_char(dc.DPRT_DT,'YYYYMM') || '01'
OFF_KEY	DWB_CHKIN	OFFC_KEY	Direct Mapping.	None
PAX_KEY	DWB_BKG	PAX_KEY	DWB_CHKIN left join DWB_BKG bkg on (dc.BKG_CD=bkg.BKG_CD)	None
PDI_CD	DWB_CHKIN	PDI_CD	Direct Mapping.	None
REGRADE_CBN_CD	DWB_CHKIN	REGRADE_CBN_CD	Direct Mapping. This indicates the REGRADE CABIN CODE	None
REGRADE_DSCR	DWB_CHKIN	REGRADE_DSCR	Direct Mapping. This indicates the REGRADE DESCRIPTION	None
REGRADE_STAT	DWB_CHKIN	REGRADE_STAT	Direct Mapping. This indicates the REGRADE STATUS	None
RESPBL_CUST_KEY	DWB_CHKIN	RESPBL_CUST_KEY	Direct Mapping.	None
RESPBL_CUST_NAME	DWB_CHKIN	RESPBL_CUST_NAME	Direct Mapping. This indicates the RESPONSIBLE CUSTOMER NAME	None
SEAT_DTLS	DWB_CHKIN	SEAT_DTL	Direct Mapping. This indicates the SEAT DETAIL	None

Table 6-10 (Cont.) PKG_DWD_CHKIN ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
SEG_KEY	DWB_SEG_SCHL	SEG_KEY	DWB_CHKIN left join DWB_SEG_SCHL segs on (dc.SEG_SCHL_CD=segs.SEG_SCHL_CD)	None
TOT_BAG_CNT	DWB_CHKIN	TOT_BAG_NBR	Direct Mapping. This indicates the TOTAL BAGGAGE NUMBER	None

6.3.10 PKG_DWD_CUST_SRVY Mapping

Shows the mapping to populate target table DWD_CUST_SRVY.

Source Tables

DWB_PRTY_INTRACN_THRD

Table 6-11 PKG_DWD_CUST_SRVY ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CLNDR_KEY	DWB_PRTY_INTRACN_THRD	INTRACN_THRD_STRT_DT	It indicates the foreign key which is the primary key of the other table	to_char(INTRACN_THRD_STRT_DT,'YYYYMMDD') CLNDR_KEY
CUST_KEY	DWB_PRTY_INTRACN_THRD	CUST_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
INTRACN_RSLT_KEY	DWB_PRTY_INTRACN_THRD	INTRACN_RSLT_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
INTRACN_RSN_KEY	DWB_PRTY_INTRACN_THRD	INTRACN_RSN_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
MO_KEY	DWB_PRTY_INTRACN_THRD	INTRACN_THRD_STRT_DT	It indicates the foreign key which is the primary key of the other table	to_char(INTRACN_THRD_STRT_DT,'YYYYMM') || '01' MO_KEY
PRTY_INTRACN_THRD_CD	DWB_PRTY_INTRACN_THRD	PRTY_INTRACN_THRD_CD	Direct Mapping.	None
SRVC_KEY	DWB_PRTY_INTRACN_THRD	SRVC_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None

6.3.11 PKG_DWD_FLT_DTLS Mapping

Shows the mapping to populate target table DWD_FLT_DTLS.

Source Tables

DWB_FLT_SCHD

DWB_LEG_SCHL

DWB_SEG_SCHL

DWR_ARCFT_VRSN

DWR_LEG

Table 6-12 PKG_DWD_FLT_DTLS ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACV_KEY	DWB_LEG_SCHL	ACV_KEY	DWB_FLT_SCHL left join DWB_LEG_SCHL LEG on (flt.FLT_SCHL_CD=leg.FLT_SCHL_CD)	None
ACV_TOT_CPCTY	DWR_ARCFT_VRSN	ACV_TOT_CPCTY	DWB_LEG_SCHL left join DWR_ARCFT_VRSN ARCFT on (leg.ACV_KEY=arcft.ACV_KEY and arcft.CURR_IND='Y')	None
CDSHR_TYP	DWB_FLT_SCHL	FLT_CDSHR_TYP	Direct Mapping. This indicates the FLIGHT CODESHARE TYPE	None
CLNDR_KEY	DWB_LEG_SCHL	DPRT_DTTIME_UTC	DWB_FLT_SCHL left join DWB_LEG_SCHL LEG on (flt.FLT_SCHL_CD=leg.FLT_SCHL_CD)	to_char(LEG.DPRT_DTTIME_UTC,'yyyymmdd')
EFF_DT	DWB_FLT_SCHL	EFF_DT	Direct Mapping. This indicates the EFFECTIVE DATE	None
END_DT	DWB_FLT_SCHL	END_DT	Direct Mapping. This indicates the END DATE	None
FLT_ALPHA_SUFX	DWB_FLT_SCHL	FLT_ALPHA_SUFX	Direct Mapping. This indicates the FLIGHT ALPHA SUFFIX	None
FLT_CARRIER_CD	DWB_FLT_SCHL	FLT_CARRIER_CD	Direct Mapping. This indicates the FLIGHT CARRIER CODE	None
FLT_DT	DWB_FLT_SCHL	FLT_FST_DPRT_DT	Direct Mapping. This indicates the FLIGHT FST DEPARTURE DATE	None
FLT_DTLS_FCT_KEY	DWB_FLT_SCHL	FLT_DTLS_FCT_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
FLT_KEY	DWB_FLT_SCHL	FLT_KEY	Direct Mapping. It indicates the foreign key which is the primary key of the other table	None
FLT_NBR	DWB_FLT_SCHL	FLT_NBR	Direct Mapping. This indicates the FLIGHT NUMBER	None

Table 6-12 (Cont.) PKG_DWD_FLT_DTLS ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
LEG_KEY	DWR_LEG	LEG_KEY	DWB_LEG_SCHL left join DWR_LEG DL on (leg.DPRT_ARPRT_KEY=DL.DPRT_ARPRT_KEY and leg.ARRVL_ARPRT_KEY=dl.ARRVL_ARPRT_KEY and DL.CURR_IND='Y')	None
MO_KEY	DWB_FLT_SCHL	DPRT_DTTIME_UTC	It indicates the foreign key which is the primary key of the other table	to_char(flt.DPRT_DTTIME_UTC,'yyyymm')||'01' MO_KEY
NAUTICAL_MILES	DWB_LEG_SCHL	NAUTICAL_MILES	DWB_FLT_SCHL left join DWB_LEG_SCHL LEG on (flt.FLT_SCHL_CD=leg.FLT_SCHL_CD)	None
NAUTICAL_TO_KM_CNVRSN_IND	DWB_LEG_SCHL	NAUTICAL_TO_KM_CNVRSN_IND	DWB_FLT_SCHL left join DWB_LEG_SCHL LEG on (flt.FLT_SCHL_CD=leg.FLT_SCHL_CD)	None
SALEBLE_TOT_CPCTY	DWB_FLT_SCHL	TOT_SLBL_CPCTY	Direct Mapping. This indicates the TOTAL SALEABLE CAPACITY	None
SEG_KEY	DWB_SEG_SCHL	SEG_KEY	DWB_FLT_SCHL left join DWB_SEG_SCHL SEG on (leg.FLT_SCHL_CD=seg.FLT_SCHL_CD and leg.SEG_SEQ_NBR=seg.SEQ_NBR)	None
STAT_FLG	DWB_FLT_SCHL	STAT_FLG	Direct Mapping. This indicates the STATUS FLAG	None
TRFC_CTGRY_KEY	DWB_FLT_SCHL	TRAFIC_CTGRY_CD	Direct Mapping. It indicates the foreign key which is the primary key of the other table.	None

6.3.12 PKG_DWD_FLT_OPRN Mapping

Shows the source tables and mapping to populate the target table DWD_FLT_OPRN.

Source Tables

DWB_ARCFT_DSPTCH

DWB_FLT_SCHL

DWB_CHKIN

DWL_DELAY_CAUSE

DWR_ARPRT

DWR_BKG_CLS

Table 6-13 PKG_DWD_FLT_OPRN Source to Target Mapping

Target Column	Source Table	Source Column	Source Column - Formula
NBR_OF_SCHL_FLT	DWB_ARCFT_DSPTCH	DPRT_TIME_LCL	count((CASE WHEN DWB_ARCFT_DSPTCH.DPRT_TIME_LCL<=DWR_CLNDR.CLNDR_DT THEN 1 ELSE NULL END)NBR_OF_SCHL_FLT_1)/COUNT((CASE WHEN (TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))>=15 AND (TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))<=30 THEN 1 ELSE NULL END)).NBR_OF_SCHL_FLT_2)
	DWR_CLNDR	CLNDR_DT	
	DWB_ARCFT_DSPTCH	DPRT_TIME_LCL	
	DWB_FLT_SCHL	DPRT_DTTIME_LCL	
NBR_OF_DPRT_FLT	DWB_ARCFT_DSPTCH	DPRT_TIME_LCL	count((CASE WHEN DWB_ARCFT_DSPTCH.DPRT_TIME_LCL<=DWR_CLNDR.CLNDR_DT THEN 1 ELSE NULL END).NBR_OF_DPRT_FLT)
	DWR_CLNDR	CLNDR_DT	
NBR_OF_CNCL_FLT	DWB_ARCFT_DSPTCH	CLNDR_IND	COUNT((case when DWB_ARCFT_DSPTCH.CLNDR_IND='Y' THEN '1' ELSE NULL END).NBR_OF_CNCL_FLT)
NBR_OF_DELAY_15_TO_30_MNT_FLT	DWB_ARCFT_DSPTCH	DPRT_TIME_LCL	count((CASE WHEN (TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))>=15 AND (TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))<=30 THEN 1 ELSE NULL END).NBR_OF_DELAY_15_TO_30_MNT_FLT)
	DWB_FLT_SCHL	DPRT_DTTIME_LCL	
NBR_OF_DELAY_30_TO_45_MNT_FLT	DWB_ARCFT_DSPTCH	DPRT_TIME_LCL	count((CASE WHEN (TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))>=15 AND (TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))<=30 THEN 1 ELSE NULL END).NBR_OF_DELAY_15_TO_30_MNT_FLT)
	DWB_FLT_SCHL	DPRT_DTTIME_LCL	
NBR_OF_DELAY_GRTR_45_MNT_FLT	DWB_ARCFT_DSPTCH	DPRT_TIME_LCL	count((CASE WHEN (TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))>45 THEN 1 ELSE NULL END).NBR_OF_DELAY_GRTR_45_MNT_FLT)
	DWB_FLT_SCHL	DPRT_DTTIME_LCL	
NBR_OF_FLT_OPERATED	DWB_ARCFT_DSPTCH	DPRT_TIME_LCL	sum((CASE WHEN DWB_ARCFT_DSPTCH.DPRT_TIME_LCL<=DWB_ARCFT_DSPTCH.DPRT_TIME_LCL THEN 1 ELSE NULL END).NBR_OF_FLT_OPERATED)

Table 6-13 (Cont.) PKG_DWD_FLT_OPRN Source to Target Mapping

Target Column	Source Table	Source Column	Source Column - Formula
NBR_OF_PAX_BRDED	DWB_CHKIN	BRDNG_STAT	count((CASE WHEN DWB_CHKIN.BRDNG_STAT='Y' THEN 1 ELSE NULL END).NBR_OF_PAX_BRDED)
NBR_OF_DSRPTD_PAX	DWB_CHKIN DWB_ARCFT_DSPTCH DWB_FLT_SCHL DWB_ARCFT_DSPTCH	BRDNG_STAT DPRT_TIME_LCL DPRT_DTTIME_LCL CLNDR_IND	COUNT((CASE WHEN DWB_CHKIN.BRDNG_STAT='Y' AND ((TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))>=15 OR DWB_ARCFT_DSPTCH.CLNDR_IND='Y') THEN 1 ELSE NULL END).NBR_OF_DSRPTD_PAX)
AVG_DELAY_FOR_NON_DSRPTD_PAX	DWB_CHKIN DWB_ARCFT_DSPTCH DWB_FLT_SCHL	BRDNG_STAT DPRT_TIME_LCL DPRT_DTTIME_LCL	COUNT((CASE WHEN DWB_CHKIN.BRDNG_STAT='Y' AND ((TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))<=15) THEN 1 ELSE NULL END).AVG_DELAY_FOR_NON_DSRPTD_PAX_1)/ COUNT((CASE WHEN DWB_CHKIN.BRDNG_STAT='Y' THEN 1 ELSE NULL END).AVG_DELAY_FOR_NON_DSRPTD_PAX_2)
AVG_DELAY_FOR_DSRPTD_PAX	DWB_CHKIN DWB_ARCFT_DSPTCH DWB_FLT_SCHL DWB_ARCFT_DSPTCH	BRDNG_STAT DPRT_TIME_LCL DPRT_DTTIME_LCL CLNDR_IND	COUNT((CASE WHEN DWB_CHKIN.BRDNG_STAT='Y' AND ((TO_CHAR(DWB_ARCFT_DSPTCH.DPRT_TIME_LCL,'MI')-TO_CHAR(DWB_FLT_SCHL.DPRT_DTTIME_LCL,'MI'))>=15 OR DWB_ARCFT_DSPTCH.CLNDR_IND='Y') THEN 1 ELSE NULL END).AVG_DELAY_FOR_DSRPTD_PAX_1)/ COUNT((CASE WHEN DWB_CHKIN.BRDNG_STAT='Y' THEN 1 ELSE NULL END).AVG_DELAY_FOR_DSRPTD_PAX_2)
DELAY_CAUSE_CD	DWL_DELAY_CAUSE	DELAY_CAUSE_CD	None
CLNDR_KEY	DWR_CLNDR	CLNDR_KEY	None
ARPRT_KEY	DWR_ARPRT	ARPRT_KEY	None
BKG_CLS_KEY	DWR_BKG_CLS	BKG_CLS_KEY	None

6.3.13 PKG_DWD_LYLTY_ACCT_BAL_HIST Mapping

Shows the source tables and mapping to populate target table DWD_LYLTY_ACCT_BAL_HIST.

Source Tables

DWB_LYLTY_ACCT_BAL_HIST

DWR_FREQ_FLYR

DWR_LYLTY_ACCT

Table 6-14 PKG_DWD_LYLTY_ACCT_BAL_HIST ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CITY_KEY	DWR_FREQ_FLYR	CITY_KEY	DWB_LYLTY_ACCT_BAL_HIST left join DWR_FREQ_FLYR ff on (labh.LYLTY_ACCT_KEY=ff.LYLTY_ACCT_KEY and ff.CURR_IND='Y')	None
CLNDR_KEY	DWB_LYLTY_ACCT_BAL_HIST	BAL_DT	It indicates the foreign key which is the primary key of the other table	to_char(labh.BAL_DT,'YYYYMMDD')
CURR_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	CURR_MILES_AMT	Direct Mapping. This indicates the CURRENT MILES AMOUNT	None
CURR_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	CURR_MILES_AMT_LCL	Direct Mapping.	None
CURR_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	CURR_MILES_AMT_RPT	Direct Mapping.	None
EXPIRED_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	EXPIRED_MILES_AMT	Direct Mapping. This indicates the EXPIRED MILES AMOUNT	None
EXPIRED_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	EXPIRED_MILES_AMT_LCL	Direct Mapping.	None
EXPIRED_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	EXPIRED_MILES_AMT_RPT	Direct Mapping.	None
EXTRA_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	EXTRA_MILES_AMT	Direct Mapping. This indicates the EXTRA MILES AMOUNT	None
EXTRA_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	EXTRA_MILES_AMT_LCL	Direct Mapping.	None
EXTRA_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	EXTRA_MILES_AMT_RPT	Direct Mapping.	None
FRQTFLR_CARD_KEY	DWR_FREQ_FLYR	FRQTFLR_CARD_KEY	DWB_LYLTY_ACCT_BAL_HIST left join DWR_FREQ_FLYR ff on (labh.LYLTY_ACCT_KEY=ff.LYLTY_ACCT_KEY and ff.CURR_IND='Y')	None
LAST_BAL_AMT	DWB_LYLTY_ACCT_BAL_HIST	LAST_BAL_AMT	Direct Mapping. This indicates the LAST BALANCE AMOUNT	None

Table 6-14 (Cont.) PKG_DWD_LYLTY_ACCT_BAL_HIST ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
LAST_BAL_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	LAST_BAL_AMT_LCL	Direct Mapping.	None
LAST_BAL_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	LAST_BAL_AMT_RPT	Direct Mapping.	None
LYLTY_ACCT_BAL_HIST_CD	DWB_LYLTY_ACCT_BAL_HIST	LYLTY_ACCT_BAL_HIST_CD	Direct Mapping. This indicates the LOYALTY ACCOUNT BALANCE HISTORY IDENTIFIER	None
LYLTY_PROG_KEY	DWR_LYLTY_ACCT	LYLTY_PROG_KEY	DWB_LYLTY_ACCT_BAL_HIST left join DWR_LYLTY_ACCT la on (labh.LYLTY_ACCT_KEY=la.LYLTY_ACCT_KEY and la.CURR_IND='Y')	None
MO_KEY	DWB_LYLTY_ACCT_BAL_HIST	BAL_DT	It indicates the foreign key which is the primary key of the other table	to_char(labh.BAL_DT,'YYYYMM') || '01'
OTHR_NON_AIR_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	OTHR_NON_AIR_MILES_AMT	Direct Mapping. This indicates the OTHER NON AIR MILES AMOUNT	None
OTHR_NON_AIR_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	OTHR_NON_AIR_MILES_AMT_LCL	Direct Mapping. This indicates the OTHER NON AIR MILES AMOUNT	None
OTHR_NON_AIR_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	OTHR_NON_AIR_MILES_AMT_RPT	Direct Mapping. This indicates the OTHER NON AIR MILES AMOUNT	None
PRMTN_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	PRMTN_MILES_AMT	Direct Mapping. This indicates the PROMOTION MILES AMOUNT	None
PRMTN_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	PRMTN_MILES_AMT_LCL	Direct Mapping.	None
PRMTN_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	PRMTN_MILES_AMT_RPT	Direct Mapping.	None
REDM_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	REDM_MILES_AMT	Direct Mapping. This indicates the REDEEM MILES AMOUNT	None
REDM_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	REDM_MILES_AMT_LCL	Direct Mapping.	None
REDM_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	REDM_MILES_AMT_RPT	Direct Mapping.	None

6.3.14 PKG_DWD_LYLTY_ACCT_LVL_HIST Mapping

Shows the mapping to populate target table DWD_LYLTY_ACCT_LVL_HIST.

Source Tables

DWB_LYLTY_ACCT_LVL_HIST

DWR_FREQ_FLYR

DWR_LYLTY_LVL

Table 6-15 PKG_DWD_LYLTY_ACCT_LVL_HIST ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
ACCT_LVL_HIST_CD	DWB_LYLTY_ACCT_LVL_HIST	ACCT_LVL_HIST_CD	Direct Mapping.	None
CLNDR_KEY	DWB_LYLTY_ACCT_LVL_HIST	VALID_DT	It indicates the foreign key which is the primary key of the other table	to_char(lalh.VALID_DT,'YYYYMMDD')
FRQTFLR_CARD_KEY	DWR_FREQ_FLYR	FRQTFLR_CARD_KEY	DWB_LYLTY_ACCT_LVL_HIST left join DWR_FREQ_FLYR ff on (lalh.FRQTFLR_CARD_CD=ff.FRQTFLR_NBR and ff.CURR_IND='Y')	None
LYLTY_LVL_KEY	DWR_LYLTY_LVL	LYLTY_LVL_KEY	DWB_LYLTY_ACCT_LVL_HIST left join DWR_LYLTY_LVL llvl on (lalh.LYLTY_LVL_CD=llvl.LYLTY_LVL_CD and llvl.CURR_IND='Y')	None
MO_KEY	DWB_LYLTY_ACCT_LVL_HIST	VALID_DT	It indicates the foreign key which is the primary key of the other table	to_char(lalh.VALID_DT,'YYYYMM') || '01'
VALID_FROM	DWB_LYLTY_ACCT_LVL_HIST	VALID_DT	Direct Mapping.	None
VALID_UPTO	DWB_LYLTY_ACCT_LVL_HIST	EXP_DT	Direct Mapping.	None

6.3.15 PKG_DWD_NON_RUTNE_DRVD Mapping

Shows the mapping to populate target table DWD_NON_RUTNE_DRVD.

Source Tables

DWR_ARCFT_TYP

DWR_ARPRT

DWL_ATA_CHPTR

DWR_CLNDR

DWR_ORG_BSNS_UNIT

DWL_MEL_ATTR

DWB_WO

DWB_NON_RUTNE

DWL_MNTNCE_TYP

DWL_DFCT_STAT

DWB_MEL_CDL_PROC

DWR_FLT

DWL_DELAY_CAUSE

DWR_GEO

Transformation into Target Table

Table 6-16 PKG_DWD_NON_RUTNE_DRVD Source to Target Mapping

Target Column	Source Table	Source Column	Source Column - Formula
ARCFT_TYP_KEY	DWR_ARCFT_TYP	ARCFT_TYP_KEY	None
ARPRT_KEY	DWR_ARPRT	ARPRT_KEY	None
ATA_CHPTR_CD	DWL_ATA_CHPTR	ATA_CHPTR_CD	None
CLNDR_KEY	DWR_CLNDR	CLNDR_KEY	None
ORG_BSNS_UNIT_CD	DWR_ORG_BSNS_UNIT	ORG_BSNS_UNIT_KEY	None
MEL_ATRIB_CD	DWL_MEL_ATTR	MEL_ATTR_CD	None
TOT_OPEN_NON_RUTNES	DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD	COUNT(case when DWB_WO.MNTNCE_TYP_CD='NON-ROUTINE' and DWB_WO.STAT_CD='OPEN' THEN 1 ELSE NULL END)
TOT_OPEN_MELS_CDLS_OF_CTGRY_A	DWB_WO DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD RPR_CTGRY_ID	COUJNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='OPEN' AND DWB_WO.RPR_CTGRY_ID='A' THEN 1 ELSE NULL END)
TOT_OPEN_MELS_CDLS_OF_CTGRY_B	DWB_WO DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD RPR_CTGRY_ID	COUNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='OPEN' AND DWB_WO.RPR_CTGRY_ID='B' THEN 1 ELSE NULL END)
TOT_OPEN_MELS_CDLS_OF_CTGRY_C	DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD	COUNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='OPEN' AND

Table 6-16 (Cont.) PKG_DWD_NON_RUTNE_DRVD Source to Target Mapping

Target Column	Source Table	Source Column	Source Column - Formula
	DWB_WO	RPR_CTGRY_ID	DWB_WO.RPR_CTGRY_ID='C' THEN 1 ELSE NULL END)
TOT_OPEN_MELS_CDLS_OF_CTGRY_D	DWB_WO DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD RPR_CTGRY_ID	COUNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='OPEN' AND DWB_WO.RPR_CTGRY_ID='D' THEN 1 ELSE NULL END)
TOT_OPEN_DFFRLS	DWB_WO DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD PLND_END_DT	COUNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='OPEN' and DWB_WO.PLND_END_DT<sysdate THEN 1 ELSE NULL END)
HISTCL_RSLTN_TIME	DWB_NON_RUTNE	DRTN	SUM(DWB_NON_RUTNE.DRTN)
AVG_NR_RPR_TIME	DWB_WO DWB_WO	ACT_STRT_DT ACT_END_DT	AVG(TO_DATE(DWB_WO.ACT_END_DT, 'yyyy/mm/dd') - TO_DATE(DWB_WO.ACT_STRT_DT, 'yyyy/mm/dd'))
MNTNCE_TYP_CD	DWL_MNTNCE_TYP	MNTNCE_TYP_CD	None
DFCT_STAT_CD	DWL_DFCT_STAT	DFCT_STAT_CD	None
ARCFT_KEY	DWR_ARCFT	ARCFT_KEY	None
TOT_OPEN_DFCT	DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD	COUNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='OPEN' THEN 1 ELSE NULL END)
TOT_CLOSE_DFCT	DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD	COUNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='CLOSE' THEN 1 ELSE NULL END)
TOT_NEW_DFCT	DWB_WO DWB_WO	MNTNCE_TYP_CD STAT_CD	COUNT(case when DWB_WO.MNTNCE_TYP_CD IN ('NON-ROUTINE','MEL','CDL') and DWB_WO.STAT_CD='NEW' THEN 1 ELSE NULL END)
AVG_ARCFT_NBR	DWR_ARCFT DWB_MEL_CDL_PROC	ARCFT_KEY RCTFCATN_INTRVL	AVG(DWB_MEL_CDL_PROC.RCTFCATN_INTRVL) OVER (PARTITION BY DWR_ARCFT.ARCFT_KEY)
AVG_ARCFT_TYP	DWR_ARCFT_TYP DWB_MEL_CDL_PROC	ARCFT_TYP_KEY RCTFCATN_INTRVL	AVG(DWB_MEL_CDL_PROC.RCTFCATN_INTRVL) OVER (PARTITION BY DWR_ARCFT_TYP.ARCFT_TYP_KEY)

Table 6-16 (Cont.) PKG_DWD_NON_RUTNE_DRVD Source to Target Mapping

Target Column	Source Table	Source Column	Source Column - Formula
FLT_KEY	DWR_FLT	FLT_KEY	None
DELAY_CAUSE_CD	DWL_DELAY_CAUSE	DELAY_CAUSE_CD	None
ORG_BSNS_UNIT_KEY	DWR_ORG_BSNS_UNIT	ORG_BSNS_UNIT_KEY	None
CITY_KEY	DWR_GEO	CITY_KEY	None

6.3.16 PKG_DWD_RVN_CST Mapping

Shows the source table and mapping to populate target table DWD_RVN_CST.

Source Tables

DWB_RVN_CST_TRX
DWL_RVN_CST_ELMNT

Table 6-17 PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
SUPLIR_KEY	DWB_RVN_CST_TRX	SUPLIR_KEY	Direct Mapping	None
DAY_KEY	DWB_RVN_CST_TRX	TRX_DT_AND_TIME		to_char(rct.TRX_DT_AND_TIME ,'YYYYMMDD')
FLT_KEY	DWB_RVN_CST_TRX	FLT_KEY	Direct Mapping	None
ARPRT_KEY	DWB_RVN_CST_TRX	ARPRT_KEY	Direct Mapping	None
MO_KEY	DWB_RVN_CST_TRX	TRX_DT_AND_TIME		to_char(rct.TRX_DT_AND_TIME ,'YYYYMM') || '01'

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
RVN_CST_ELMNT_CTGRY_CD	DWL_RVN_CST_ELMNT	RVN_CST_ELMNT_CTGRY_CD	(select * from DWB_RVN_CST_TRX where TRX_DT_AND_TIME between l_start_date and l_end_date) rct left join DWL_RVN_CST_ELMNT rce on (rct.RVN_CST_ELMNT_CD=rce.RVN_CST_ELMNT_CD and rce.CURR_IND='Y')	Rce. RVN_CST_ELMNT_CTGRY_CD
PAX_RVN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'PARKNG' Then rct.AMT Else 0 end)
COURIER_RVN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CONCESSON' Then rct.AMT Else 0 end)
MAIL_RVN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'MALCHRG' Then rct.AMT Else 0 end)
FUEL_SRCHRG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FLOWNTAXESREBATESEARNED' Then rct.AMT Else 0 end)
CARGO_FRGHT_RVN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CABNCRWCOSTS' Then rct.AMT Else 0 end)
EXCSS_BAG_RVN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'EXCESSBAGGREVENUE' Then rct.AMT Else 0 end)
EXCHNG_GAIN_LOSS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ENGNEPERFORMANCERESTORATONRESERVES' Then rct.AMT Else 0 end)

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
INSRNC_SRCHRG_CHARTERED	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFLGHTCLUBCLASSHOTCOLDTOWELS' Then rct.AMT Else 0 end)
INSRNC_SRCHRG_SCHL	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFLGHTHANDLNG' Then rct.AMT Else 0 end)
OTHR_RVN_CHARTER	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'OTRHANDLNGSERVCESTOPUPBUDGETONLY' Then rct.AMT Else 0 end)
CREW_EXPENSES_CBN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'COURERHANDLNG' Then rct.AMT Else 0 end)
CREW_EXPENSES_COCKPIT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'COURERREVENUE' Then rct.AMT Else 0 end)
CREW_WTED_UNITS_CBN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CRGCHRG' Then rct.AMT Else 0 end)
CREW_WTED_UNITS_COCKPIT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CRGCHRGPERKG' Then rct.AMT Else 0 end)
EUROCNTRL_AIRSPACE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ENGNEERNGSERVCE' Then rct.AMT Else 0 end)
OTHR_AIRSPACE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'OTRARSPACE' Then rct.AMT Else 0 end)
OTHR_OVRFLYNG_CHRGS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'OTRHANDLNGSERVCESMA' Then rct.AMT Else 0 end)
EXCHNG_GAIN_R_LOSS_ON_FWD_CNRT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'EUROCTRLARSPACE' Then rct.AMT Else 0 end)
FUEL_BRNT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FLGHTOPERATONS' Then rct.AMT Else 0 end)

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
FUEL_TAX	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FOLLOWME' Then rct.AMT Else 0 end)
FUEL_UPLFT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FRETRUCK' Then rct.AMT Else 0 end)
ARCFT_STND	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ARFTCONSUMABLES' Then rct.AMT Else 0 end)
ARPRT_DVLPMNT_FEE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ARFTENGNEMANTENANCEOTR' Then rct.AMT Else 0 end)
DISBRSMNT_LNDNG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'DELAYEDFLGHTEXPS' Then rct.AMT Else 0 end)
DISBRSMNT_LNDNG_NGT_SRCHRG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'DPTUCTRLSYS' Then rct.AMT Else 0 end)
DISBRSMNT_PRM	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'DSBURSEMENTARBRDGE' Then rct.AMT Else 0 end)
EMISSNS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'EMMSSONS' Then rct.AMT Else 0 end)
LNDNG_BASE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTURE' Then rct.AMT Else 0 end)
LNDNG_OUTSTN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTURELANDSDE' Then rct.AMT Else 0 end)
LNDNG_OUTSTN_BDGT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTURELEVY' Then rct.AMT Else 0 end)
LNDNG_OUTSTN_RSRV	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTUREPAX' Then rct.AMT Else 0 end)

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
LNDNG_OUTSTN_VARBLE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTUREPAXSURCHRGREBATE' Then rct.AMT Else 0 end)
LNDNG_NGT_SRCHRG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTUREARSDE' Then rct.AMT Else 0 end)
LNDNG_NGT_SRCHRG_BASE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTUREFXED' Then rct.AMT Else 0 end)
LNDNG_NGT_SRCHRG_REBATE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFRASTRUCTUREHANDLNG' Then rct.AMT Else 0 end)
LNDNG_AND_NAVGTN_REBATES	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFLGHTMEALSSSUES' Then rct.AMT Else 0 end)
NOISE_CHRG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'NAVGATONRESERVE' Then rct.AMT Else 0 end)
NOISE_SRCHRG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'NEWTAX' Then rct.AMT Else 0 end)
PRKNG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'PAXHANDLNG' Then rct.AMT Else 0 end)
PRKNG_REBATE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'PAXHANDLNGMA' Then rct.AMT Else 0 end)
NAVGTN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'NADMSSABLEPAXEXP' Then rct.AMT Else 0 end)
NAVGTN_NGT_SRCHRG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'NAVGATON' Then rct.AMT Else 0 end)
NAVGTN_RSRV	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'NAVGATONNGHTSURCHRG' Then rct.AMT Else 0 end)

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
AIR_BRDNG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'AMBULANCEDOCTORSERVCE' Then rct.AMT Else 0 end)
AIR_CNDTNNG_UNIT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'AMBULFTSERVCE' Then rct.AMT Else 0 end)
ARCFT_CLENG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ARFTCLEANNG' Then rct.AMT Else 0 end)
AMBULIFT_SRVC	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ARBRDGE' Then rct.AMT Else 0 end)
APRON_SRVCS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ARCONDTONNGUNT' Then rct.AMT Else 0 end)
BAG_HNDLNG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'BAGGDENTFCATONFXED' Then rct.AMT Else 0 end)
BAG_ID_FIXED	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'BAGGDENTFCATONVARABLE' Then rct.AMT Else 0 end)
BAG_ID_VARBLE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'BAGGHANDLNG' Then rct.AMT Else 0 end)
BAG_SCRNG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'BAGGHANDLNGMA' Then rct.AMT Else 0 end)
BRIEFING	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'BAGGSCREENNG' Then rct.AMT Else 0 end)
BUS_COACHES	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'BUSESCOACHES' Then rct.AMT Else 0 end)
BSNS_LOUNGE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'BREFNG' Then rct.AMT Else 0 end)

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CATRNG_SRVC	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CATERNGSERVCE' Then rct.AMT Else 0 end)
CHK_IN_SRVCS_VARBLE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CHECKNSERVCESVARABLE' Then rct.AMT Else 0 end)
CHK_IN_SRVCS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CHECKNSERVCES' Then rct.AMT Else 0 end)
COCKPIT_CBN_CREW_TRNSPRT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CMMSPAX' Then rct.AMT Else 0 end)
CMISN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CMMS' Then rct.AMT Else 0 end)
CNCESN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CMMSCRG' Then rct.AMT Else 0 end)
COURIER_HNDLNG	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'COCKPTCABNCRWTRANSPORT' Then rct.AMT Else 0 end)
CSTM_CHRGS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'CRGCHRGPERKGMA' Then rct.AMT Else 0 end)
DEICING_SRVC	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'DECNGSERVCE' Then rct.AMT Else 0 end)
DPRT_CNTRL_SYS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'DSBURSEMENTBAGGSCREENNG' Then rct.AMT Else 0 end)
ENGG_SRVC	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'ENGNEERNGDPRTMLCOSTS' Then rct.AMT Else 0 end)
FCLTES	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FACLTES' Then rct.AMT Else 0 end)
FIXED_ELECTRIC_POWR	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FACLTESMA' Then rct.AMT Else 0 end)

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
FLT_DISPATCH	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FLGHTDSPATCH' Then rct.AMT Else 0 end)
FLT_OPERATIONS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FLGHTEQUPMENTDEPRECATON' Then rct.AMT Else 0 end)
FOLLOW_ME	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FLGHTEQUPMENTRENTALS' Then rct.AMT Else 0 end)
FUEL_OVRTME	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FLGHTOPERATONSDPRTMLCOSTS' Then rct.AMT Else 0 end)
FUEL_SPRVSN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FLGHTOPSMA' Then rct.AMT Else 0 end)
GRND_CREWS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'GROUNDCRWS' Then rct.AMT Else 0 end)
GRND_POWR_UNIT	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'GROUNDPOWERUNT' Then rct.AMT Else 0 end)
GRND_TO_COCKPIT_COMUNICTN	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'GROUNDTOCOCKPTCOMM' Then rct.AMT Else 0 end)
INFRASTRUCTURE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFLGHTBARSUPPLES' Then rct.AMT Else 0 end)
OTHR_HNDLNG_SRVCS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'OTRHANDLNGSERVCES' Then rct.AMT Else 0 end)
PUSHBACK	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'PAXREVENUE' Then rct.AMT Else 0 end)
RAMP_SRVCS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'PAXREVENUEO' Then rct.AMT Else 0 end)

Table 6-17 (Cont.) PKG_ DWD_RVN_CST_DRVD ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
TCKT_DESK	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'TECHNCALHANDLNG' Then rct.AMT Else 0 end)
TOILET_WATER_SRVCS	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'TECHNCALHANDLNGMA' Then rct.AMT Else 0 end)
AIR_PAX_DUTY	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'APRONSERVCES' Then rct.AMT Else 0 end)
FLN_TAXES_REBATES_ERND	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'FIVEYRSTRUCTURALCHECKRESERVES' Then rct.AMT Else 0 end)
GOVT_TAX	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'GOVERNMENTTAX' Then rct.AMT Else 0 end)
INSURANCE_TAX	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'INFLGHTMEALS' Then rct.AMT Else 0 end)
PAX_SURTAX	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'PARKNGREBATE' Then rct.AMT Else 0 end)
PAX_TAX	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'PAXDSRUPTONEXPS' Then rct.AMT Else 0 end)
OPRTNL_INSURANCE	DWB_RVN_CST_TRX	AMT	Same as above	SUM(Case When rct.RVN_CST_ELMNT_CD= 'OPERLINSU' Then rct.AMT Else 0 end)

6.3.17 PKG_DWD_TCKT Mapping

Shows the source table and mapping to populate target table DWD_TCKT.

Source Table

DWB_TKT

Table 6-18 PKG_DWD_TCKT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description
CNJCTVE_TCKT_CNT	DWB_TCKT	NBR_OF_CONJUCTIVE_TCKT	Direct Mapping. This indicates the NUMBER OF CONJUCTIVE TICKET
CRNCY	DWB_TCKT	TCKT_CRNCY	Direct Mapping. This indicates the TICKET CURRENCY
DT_OF_ISSUE	DWB_TCKT	TCKT_ISSUING_DT	Direct Mapping. This indicates the TICKET ISSUING DATE
ISSUE_OFFC_IATA_CD	DWB_TCKT	ISSUING_OFFC_IATA_CD	Direct Mapping. This indicates the ISSUING OFFICE IATA CODE
ISSUING_OFFC_CD	DWB_TCKT	ISSUING_OFFC_IATA_CD	Direct Mapping. This indicates the ISSUING OFFICE IATA CODE
MO_KEY	DWB_TCKT	TCKT_ISSUING_DT	It indicates the foreign key which is the primary key of the other table
PAX_TYP	DWB_TCKT	PAX_TYP	Direct Mapping. This indicates the PASSENGER TYPE
PRMRY_NBR	DWB_TCKT	PRMRY_TCKT_NBR	Direct Mapping. This indicates the PRIMARY TICKET NUMBER
TCKT_CD	DWB_TCKT	TCKT_CD	Direct Mapping. This indicates the TICKET CURRENCY
TOT_AMT	DWB_TCKT	TOT_AMT	Direct Mapping. This indicates the TOTAL AMOUNT
TOT_AMT_LCL	DWB_TCKT	TOT_AMT_LCL	Direct Mapping.
TOT_AMT_RPT	DWB_TCKT	TOT_AMT_RPT	Direct Mapping.

6.4 Intra-ETL Process Flows

Intra-ETL is delivered as a component of Oracle Airlines Data Model. This intra-ETL is delivered as a PL/SQL package named `PKG_INTRA_ETL_PROCESS` which is a complete Intra-ETL process composed of sub process flows to populate the derived and aggregate tables with the data from the base and reference tables. The `PKG_INTRA_ETL_PROCESS` flow respects the dependency of each individual program and executes the programs in the proper order.

The `PKG_INTRA_ETL_PROCESS` is composed of individual sub-process procedures and functions. The sub-processes execute in the order indicated:

1. `Populate_Derived` - Populates the derived (`DWD_`) tables based on the content of the base (`DWB_`) tables.

```
Step 1: Populate table DWD_BKG_FCT, the code in ETL package is as follows:

    PKG_DWD_BKG_FCT.Load('DWD_BKG_FCT',p_process_no);

Step 2: Populate table DWD_CALL_CNTR_PRFMNC, the code in ETL package is as
follows:

    PKG_DWD_CALL_CNTR_PRFMNC.Load('DWD_CALL_CNTR_PRFMNC',p_process_no);

Step 3: Populate table DWD_CHKIN, the code in ETL package is as follows:

    PKG_DWD_CHKIN.Load('DWD_CHKIN',p_process_no);
```

```
Step 4: Populate table DWD_CUST_SRVY, the code in ETL package is as follows:

     PKG_DWD_CUST_SRVY.Load('DWD_CUST_SRVY',p_process_no);

Step 5: Populate table DWD_FLT_DTLS, the code in ETL package is as follows:

    PKG_DWD_FLT_DTLS.Load('DWD_FLT_DTLS',p_process_no);

Step 6: Populate table DWD_LYLTY_ACCT_BAL_HIST, the code in ETL package is as
follows:

    PKG_DWD_LYLTY_ACCT_BAL_HIST.Load('DWD_LYLTY_ACCT_BAL_HIST',p_process_no);

Step 7: Populate table DWD_LYLTY_ACCT_LVL_HIST, the code in ETL package is as
follows:

    PKG_DWD_LYLTY_ACCT_LVL_HIST.Load('DWD_LYLTY_ACCT_LVL_HIST',p_process_no);

Step 8: Populate table DWD_RVN_CST, the code in ETL package is as follows:

    PKG_DWD_RVN_CST.Load('DWD_RVN_CST',p_process_no);

Step 9: Populate table DWD_TCKT, the code in ETL package is as follows:

    PKG_DWD_TCKT.Load('DWD_TCKT',p_process_no);
```

2. `Populate_Aggregate` - Refreshes all of the aggregate (`DWA_`) tables using data from the reference (`DWR_`) and derived (`DWD_`) tables.

```
Step 1: Populate table DWA_CUST_SRVE, the code in ETL package is as follows:

    PKG_DWA_CUST_SRVEY.Load('DWA_CUST_SRVEY',p_process_no);

Step 2: Populate table DWA_DLY_BKG, the code in ETL package is as follows:

    PKG_DWA_DLY_BKG.Load('DWA_DLY_BKG',p_process_no);

Step 3: Populate table DWA_DLY_CALL_CNTR_PRFMNCE, the code in ETL package is as
follows:

    PKG_DWA_DLY_CALL_CNTR_PRFMNCE.Load('DWA_DLY_CALL_CNTR_PRFMNCE',p_process_no);

Step 4: Populate table DWA_DLY_FLT_DTLS, the code in ETL package is as follows:

    PKG_DWA_DLY_FLT_DTLS.Load('DWA_DLY_FLT_DTLS',p_process_no);

Step 5: Populate table DWA_DLY_LYALTY_ACCT, the code in ETL package is as
follows:

    PKG_DWA_DLY_LYALTY_ACCT.Load('DWA_DLY_LYALTY_ACCT',p_process_no);

Step 6: Populate table DWA_DLY_LYALTY_ACCT_BKG, the code in ETL package is as
follows:

    PKG_DWA_DLY_LYALTY_ACCT_BKG.Load('DWA_DLY_LYALTY_ACCT_BKG',p_process_no);
```

3. `Populate_Aw` - Loads data from Oracle Airlines Data Model aggregate (`DWA_`) tables into the Oracle Airlines Data Model Analytical Workspace and calculates the forecast data. It reads OLAP ETL parameters from `DWC_OLAP_ETL_PARM` table.

```
PKG_OADM_OLAP_ETL_AW_LOAD.olap_etl_aw_build(l_build_methd,l_cube_nm,l_maxjobques,
l_calc_fcst,l_no_fcst_yrs,l_fcst_mthd,l_fcst_st_yr,l_fcst_end_yr,null,null);
```

4. `Populate_MINING`: This sub-process flow triggers the data mining models.

```
PKG_OCDM_MINING.REFRESH_MODEL(l_apply_day_key,NULL);
```

7

Oracle Airlines Data Model OLAP Model Dimensions

Describes the data flow between the fact tables of Oracle Airlines Data Model.

Related Topics

- Oracle Airlines Data Model OLAP Model Cubes (page 8-1)

7.1 Oracle Airlines Data Model Introduction to OLAP Dimensions

Oracle Airlines Data Model contains low level combination of base tables and summary, average, and so on, of Base and Derived data. Each dimension includes the following information:

- Levels
- Hierarchies
- Attributes and Attribute mappings

7.2 Oracle Airlines Data Model OLAP Dimensions

Contains descriptions of the Dimension tables.

- Route: ROUTE (page 7-9)
  Describes the information of the Route Dimension.
- Service: SRVC (page 7-10)
  Describes the information of the Service Dimension.
- Time: TIME (page 7-10)
  Describes the information of the Time Dimension.

7.2.1 Booking Class: BKCLS

Describes the information of the Booking Class Dimension.

Table 7-1 Booking Class (BKCLS) Levels and Hierarchies

Level	Description	Booking Class Hierarchy (HBKCLS)
TBKCLS	Total Booking Class	TBKCLS
SVCLS	Service Class	SVCLS
BKCLS	Booking Class	BKCLS

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-2 Booking Class Long Description Attribute Mapping

Level	Mapping (Physical Column)
TBKCLS	Total Booking Class
SVCLS	DWR_BKG_CLS_TYP.SRVC_CLS_DSCR
BKCLS	DWR_BKG_CLS_TYP.SRVC_CLS_DSCR

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-3 Booking Class Short Description Attribute Mapping

Level	Mapping (Physical Column)
TBKCLS	Total Booking Class
SVCLS	DWR_BKG_CLS_TYP.SRVC_CLS_CD
BKCLS	DWR_BKG_CLS_TYP.SRVC_CLS_CD

7.2.2 Booking Office: BKOFC

Describes the information of the Booking Office Dimension.

Table 7-4 Booking Office (HBKOFC) Levels and Hierarchies

Levels	Description	Booking Office Hierarchy (HBKOFC)	Channel Type Hierarchy (HCNTYP)
TBKOFC	Total Booking Office	TBKOFC	TBKOFC

Table 7-4 (Cont.) Booking Office (HBKOFC) Levels and Hierarchies

Levels	Description	Booking Office Hierarchy (HBKOFC)	Channel Type Hierarchy (HCNTYP)
ACNTNT	Agent Continent	ACNTNT	No value
ACUNTRY	Agent Country	ACUNTRY	No value
ARGN	Agent Region	ARGN	No value
ACITY	Agent City	ACITY	No value
BKOFC	Booking Office	BKOFC	No value
CNTYP	Channel Type	No value	CNTYP
AGNT	Agent	AGNT	AGNT

Hierarchy of HBKOFC

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-5 Booking Office HBKOFC Long Description Attribute Mapping

Levels	Mapping (Physical Column)
TBKOFC	Total Booking Office
ACNTNT	DWR_BKG_OFFC.AGNT_CONT
ACUNTRY	DWR_BKG_OFFC.AGNT_CTRY
ARGN	DWR_BKG_OFFC.AGNT_REGN
ACITY	DWR_BKG_OFFC.AGNT_CITY
BKOFC	DWR_BKG_OFFC.OFF_NM
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-6 Booking Office HBKOFC Short Description Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	Total Booking Office
ACNTNT	DWR_BKG_OFFC.AGNT_CONT_CD
ACUNTRY	DWR_BKG_OFFC.AGNT_CTRY_CD
ARGN	DWR_BKG_OFFC.AGNT_REGN_CD
ACITY	DWR_BKG_OFFC.AGNT_CITY_CD
BKOFC	DWR_BKG_OFFC.OFF_NM
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Agent Status (ASTUS)

Table 7-7 Booking Office HBKOFC Agent Status Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	No value
ACNTNT	No value
ACUNTRY	No value
ARGN	No value
ACITY	No value
BKOFC	No value
AGNT	DWR_BKG_OFFC.STAT_CD

Attribute Name: Agent Name (ANM)

Table 7-8 Booking Office HBKOFC Agent Name Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	No value
ACNTNT	No value
ACUNTRY	No value
ARGN	No value
ACITY	No value
BKOFC	No value
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Agent IATA Code (AITCD)

Table 7-9 Booking Office HBKOFC Agent IATA Code Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	No value
ACNTNT	No value
ACUNTRY	No value
ARGN	No value
ACITY	No value
BKOFC	No value
AGNT	DWR_BKG_OFFC.IATA_CD

Hierarchy of HCNTYP

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-10 Booking Office HCNTYP Long Description Mapping

Level	Mapping (Physical Column)
TBKOFC	Total Booking Office
CNTYP	DWR_BKG_OFFC.CHNL_TYP
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-11 Booking Office HCNTYP Short Description Mapping

Level	Mapping (Physical Column)
TBKOFC	Total Booking Office
CNTYP	DWR_BKG_OFFC.CHNL_TYP
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Agent IATA Code (AITCD))

Table 7-12 Booking Office HCNTYP IATA Code Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	No value
CNTYP	No value
AGNT	DWR_BKG_OFFC.IATA_CD

Attribute Name: Agent Name (ANM)

Table 7-13 Booking Office HCNTYP Agent Name Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	No value
CNTYP	No value
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Agent Status (ASTUS)

Table 7-14 Booking Office HCNTYP Agent Status Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	No value
CNTYP	No value
AGNT	DWR_BKG_OFF.C. STAT_CD

7.2.3 Geography: GEO

Describes the information of the Geography Dimension.

Table 7-15 Geography (HGEO) Levels and Hierarchies

Level	Description	Geography Hierarchy (HGEO)
TGEO	Total Geography	TGEO
CONT	Continent	CONT
COUNTRY	Country	COUNTRY
CITY	City	CITY

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-16 Geography Long Description Attribute Mapping

Level	Mapping (Physical Column)
TGEO	Total Geography
CONT	DWR_GEO.CONTINENT_NAME
COUNTRY	DWR_GEO.CNTRY_NAME
CITY	DWR_GEO.CITY_NAME

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-17 Geography Short Description Attribute Mapping

Level	Mapping (Physical Column)
TGEO	Total Geography
CONT	DWR_GEO.CONTINENT_SURNAME
COUNTRY	DWR_GEO.CNTRY_SURNAME
CITY	DWR_GEO.CITY_NAME

7.2.4 Interaction Reason: IRSN

Describes the information of the Interaction Reason Dimension.

Table 7-18 Interaction Reason (HIRSN) Levels and Hierarchies

Level	Description	Interaction Reason Hierarchy (HIRSN)
TIRSN	Total Interaction Reason	TIRSN
IRSN	Interaction Reason	IRSN

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-19 Interaction Reason Long Description Attribute Mapping

Level	Mapping (Physical Column)
TIRSN	Total Interaction Reason
IRSN	DWR_INTRACN_RSN. INTRACN_RSN_NAME

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-20 Interaction Reason Short Description Attribute Mapping

Level	Mapping (Physical Column)
TIRSN	Total Interaction Reason
IRSN	DWR_INTRACN_RSN. INTRACN_RSN_DSCR

7.2.5 Loyalty Level: LOYLV

Describes the information in the Loyalty Level Dimension.

Table 7-21 Loyalty Level (HLOYLY) Levels and Hierarchies

Level	Description	Loyalty Level Hierarchy (HLOYLY)
TLOYLY	Total Loyalty Level	TLOYLY
LOYLY	Loyalty Level	LOYLY

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-22 Loyalty Level Long Description Attribute Mapping

Level	Mapping (Physical Column)
TLOYLY	Total Loyalty Level
LOYLY	DWR_LYLTY_LVL. LYLTY_LVL_NAME

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-23 Loyalty Level Short Description Attribute Mapping

Level	Mapping (Physical Column)
TLOYLY	Total Loyalty Level
LOYLY	DWR_LYLTY_LVL. LYLTY_LVL_NAME

Attribute Name: Level Qualifying Start Points (LVL_STPN)

Table 7-24 Loyalty Level Qualifying Start Points Attribute Mapping

Level	Mapping (Physical Column)
TLOYLY	
LOYLY	DWR_LYLTY_LVL. LVL_QLFYNG_STRT_PTS

7.2.6 Operating Flight: OPFLT

Describes the information of the Operating Flight Dimension.

Table 7-25 Operating Flight (OPFLT) Levels and Hierarchies

Level	Description	Operating Flight Hierarchy (HOPFLT)
TOPFLT	Total Operating Flight	TOPFLT
OPFLT	Operating Flight	OPFLT

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-26 Operating Flight Long Description Attribute Mapping

Level	Mapping (Physical Column)
TOPFLT	Total Operating Flight
OPFLT	DWR_FLT.FLT_TXT_DSCR

Attribute Name: Short Description(SHORT_DESCRIPTION)

Table 7-27 Operating Flight Short Description Attribute Mapping

Level	Mapping (Physical Column)
TOPFLT	Total Operating Flight
OPFLT	DWR_FLT.FLT_NBR

7.2.7 Operating Segment: OPSMT

Describes the information of the Operating Segment Dimension.

Table 7-28 Operating Segment (OPSMT) Levels and Hierarchies

Level	Description	Operating Segment Hierarchy (HOPSMT)
TOPSMT	Total Operating Segment	TOPSMT
TFRGN	Traffic Region	TFRGN
OPSMT	Operating Segment	OPSMT

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-29 Operating Segment Long Description Attribute Mapping

Level	Mapping (Physical Column)
TOPSMT	Total Operating Segment
TFRGN	DWR_SEG.OFPNT_CONT
OPSMT	DWR_SEG.OFPNT_AIP_NM

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-30 Operating Segment Short Description Attribute Mapping

Level	Mapping (Physical Column)
TOPSMT	Total Operating Segment
TFRGN	DWR_SEG. OFFPOINT_CONTINENT
OPSMT	DWR_SEG. BRD_ARPRT_NAME

Attribute Name: Segment Pair (SEG_PAIR)

Table 7-31 Operating Segment Pair Attribute Mapping

Level	Mapping (Physical Column)
TOPSMT	No value
TFRGN	No value
OPSMT	DWR_SEG. OFFPOINT_ARPRT_NAME || DWR_SEG. BRD_ARPRT_NAME

7.2.8 Route: ROUTE

Describes the information of the Route Dimension.

Table 7-32 Route (ROUTE) Levels and Hierarchies

Level	Description	Route Hierarchy (HROUTE)
TROUTE	Total Route	TROUTE
ROUTE	Route	ROUTE

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-33 Route Long Description Attribute Mapping

Level	Mapping (Physical Column)
TROUTE	Total Route
ROUTE	ROUTE LD

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-34 Route Short Description Attribute Mapping

Level	Mapping (Physical Column)
TROUTE	Total Route
ROUTE	ROUTE SD

7.2.9 Service: SRVC

Describes the information of the Service Dimension.

Table 7-35 Service (SRVC) Levels and Hierarchies

Level	Description	Service Hierarchy (HSRVC)
SVTYP	Service Type	SVTYP
SRVC	Service	SRVC

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-36 Service Long Description Attribute Mapping

Level	Mapping (Physical Column)
SVTYP	DWR_SRVC. SRVC_NAME
SRVC	DWR_SRVC. SRVC_TYP_DSCR

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-37 Service Short Description Attribute Mapping

Level	Mapping (Physical Column)
SVTYP	DWR_SRVC. SRVC_NAME
SRVC	DWR_SRVC. SRVC_TYP_NAME

7.2.10 Time: TIME

Describes the information of the Time Dimension.

Table 7-38 Time (TIME) Levels and Hierarchies

Level	Description	Time Hierarchy (HTIME)
TIME	Total Time	TIME
YEAR	Year	YEAR
HLFY	Half Year	HLFY
QTR	Quarter	QTR
MONTH	Month	MONTH

Table 7-38 (Cont.) Time (TIME) Levels and Hierarchies

Level	Description	Time Hierarchy (HTIME)
WEEK	Week	WEEK
DAY	Day	DAY

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7-39 Time Long Description Attribute Mapping

Level	Mapping (Physical Column)
TIME	Total Time
YEAR	DWR_CLNDR.CLNDR_YR_DSCR
HLFY	DWR_CLNDR.CLNDR_HLF_YR_DSCR
QTR	DWR_CLNDR.CLNDR_QTR
MONTH	DWR_CLNDR.CLNDR_MO_NM
WEEK	DWR_CLNDR.CLNDR_WK_DSCR
DAY	DWR_CLNDR.CLNDR_DT_DSCR

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7-40 Time Short Description Attribute Mapping

Level	Mapping (Physical Column)
TIME	Total Time
YEAR	DWR_CLNDR.CLNDR_YR_CD
HLFY	DWR_CLNDR.CLNDR_HLF_YR_CD
QTR	DWR_CLNDR.CLNDR_QTR_CD
MONTH	DWR_CLNDR.CLNDR_MO_CD
WEEK	DWR_CLNDR.CLNDR_WK_CD
DAY	DWR_CLNDR.CLNDR_DT_DSCR

Attribute Name: End Date (END_DATE)

Table 7-41 Time End Date Attribute Mapping

Level	Mapping (Physical Column)
TIME	DWR_CLNDR.CLNDR_YR_END_DT
YEAR	DWR_CLNDR.CLNDR_YR_END_DT
HLFY	DWR_CLNDR.CLNDR_HLF_YR_END_DT
QTR	DWR_CLNDR.CLNDR_QTR_END_DT
MONTH	DWR_CLNDR.CLNDR_MO_END_DT
WEEK	DWR_CLNDR.CLNDR_WK_END_DT

Table 7-41 (Cont.) Time End Date Attribute Mapping

Level	Mapping (Physical Column)
DAY	DWR_CLNDR.CLNDR_DT

Attribute Name: Time Span (TIME_SPAN)

Table 7-42 Time Span Attribute Mapping

Level	Mapping (Physical Column)
TIME	DWR_CLNDR.CLNDR_YR_TIMESPN
YEAR	DWR_CLNDR.CLNDR_YR_TIMESPN
HLFY	DWR_CLNDR.CLNDR_HLF_YR_TIMESPN
QTR	DWR_CLNDR.CLNDR_QTR_TIMESPN
MONTH	DWR_CLNDR.CLNDR_MO_TIMESPN
WEEK	DWR_CLNDR.CLNDR_WK_TIMESPN
DAY	1

Attribute Name: Calendar Week Number In Year (CWIY)

Table 7-43 Time Calendar Week Number in Year Attribute Mapping

Level	Mapping (Physical Column)
TIME	
YEAR	
HLFY	
QTR	
MONTH	
WEEK	DWR_CLNDR.CLNDR_WK_NBR_IN_YR
DAY	DWR_CLNDR.CLNDR_WK_NBR_IN_YR

Attribute Name: Day of Week Number (DOWN)

Table 7-44 Time Day of Week Number Attribute Mapping

Level	Mapping (Physical Column)
TIME	No value
YEAR	No value
HLFY	No value
QTR	No value
MONTH	No value
WEEK	No value
DAY	DWR_CLNDR.DAY_OF_WK_NBR

Attribute Name: Day of Week Name (DOWNM)

Table 7-45 Time Day of Week Name Attribute Mapping

Level	Mapping (Physical Column)
TIME	No value
YEAR	No value
HLFY	No value
QTR	No value
MONTH	No value
WEEK	No value
DAY	DWR_CLNDR.DAY_OF_WK_NAME

8

Oracle Airlines Data Model OLAP Model Cubes

Describes the OLAP model cubes.

8.1 Oracle Airlines Data Model OLAP Cubes Overview

For each cube, each section includes the following cube information:

- Description
- Dimensions (leaf load level and load sequence)
- Base Measures with Physical Mapping and Description
- Derived Measure with the Logical Name and the Calculations

The following table lists the Oracle Airlines Data Model OLAP cubes:

Table 8-1 Oracle Airlines Data Model OLAP Cubes

Cube	Physical Name
Booking Segment Departure Fact Cube: BSDF (page 8-2)	BSDF
Booking Segment Departure Fact Forecast Cube: BSDF_F (page 8-14)	BSDF_F
Call Center Performance Fact Cube: CCPF (page 8-15)	CCPF
Customer Survey Daily Fact Cube: CSDF (page 8-18)	CSDF
Flight Detail Daily Fact Cube: FDDF (page 8-19)	FDDF
Loyalty Account Fact Cube: LYAF (page 8-20)	LYAF

Table 8-1 (Cont.) Oracle Airlines Data Model OLAP Cubes

Cube	Physical Name
Loyalty Booking Fact Cube: LYBF (page 8-24)	LYBF

8.2 Booking Segment Departure Fact Cube: BSDF

Contains the summarized booking segment departure information.

Physical Name: BSDF

Dimensions and Load Level

The following table briefly describes the Dimensions and Load Level:

Table 8-2 Booking Segment Departure Fact Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
BKCLS	BKCLS
ROUTE	ROUTE
OPFLT	OPFLT
OPSMT	OPSMT
BKOFC	AGNT

Aggregation Order/Operator

The following table briefly describes the Aggregation Order/Operator:

Table 8-3 Booking Segment Departure Fact Cube Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	sum	1
BKCLS	sum	2
BKOFC	sum	3
OPFLT	sum	4
OPSMT	sum	5
ROUTE	sum	6

Base Measures

The following table briefly describes the Base Measures:

Table 8-4 Booking Segment Departure Fact Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
BKD	Booked Count	DWA_DLY_BKG_FACT.BKD	Booked Count
CFCNT	Confirmed Count	DWA_DLY_BKG_FACT.CONFMD_CNT	Confirmed Count
CLCNT	Canceled Count	DWA_DLY_BKG_FACT.CNCLD_CNT	Canceled Count
TKD	Ticketed Count	DWA_DLY_BKG_FACT.TKTD	Ticketed Count
NTCFD	Net Confirmed	DWA_DLY_BKG_FACT.NET_CONFMD	Net Confirmed
GBKD	Group Booked	DWA_DLY_BKG_FACT.GRP_BKD_QTY	Group Booked
IBKD	Individual Booked	DWA_DLY_BKG_FACT.INDV_BKD_QTY	Individual Booked
OTCHR	Other Charges	DWA_DLY_BKG_FACT.OTR_CHARGES	Other Charges
TXS	Taxes	DWA_DLY_BKG_FACT.TAX_AMT	Taxes
TRVN	Total Revenue	DWA_DLY_BKG_FACT.TKT_AMT	Total Revenue
PXCNT	Passenger Count	DWA_DLY_BKG_FACT.PAX_CNT	Passenger Count
WTLST	Wait Listed Count	DWA_DLY_BKG_FACT.WAITLISED	Wait Listed Count
FRVN	Flown Revenue	DWA_DLY_BKG_FACT.FLN_REV	Flown Revenue
FPAX	Flown Passenger Count	DWA_DLY_BKG_FACT.FLN_PAX_CNT	Flown Passenger Count
NFPAX	Non Revenue Flown Passenger Count	DWA_DLY_BKG_FACT.NON_REV_FLN_PAX_CNT	Non Revenue Flown Passenger Count
CPC	Coupons Count	DWA_DLY_BKG_FACT.CPN_CNT	Coupons Count
OBRVN	Onboard Revenue	DWA_DLY_BKG_FACT.ONBRD_REV	Onboard Revenue
EBRVN	Excess Bag Revenue	DWA_DLY_BKG_FACT.EXCESS_BAG_REV	Excess Bag Revenue
FES	Fees Revenue	DWA_DLY_BKG_FACT.FEES_REV	Fees Revenue
CTRVN	Charter Revenue	DWA_DLY_BKG_FACT.CHARTER_REV	Charter Revenue
BCRVN	Belly Cargo Revenue	DWA_DLY_BKG_FACT.BELLY_CARGO_REV	Belly Cargo Revenue
CSRVN	Code Share Revenue	DWA_DLY_BKG_FACT.CDSH_REV	Code Share Revenue
OTRVN	Other Revenue	DWA_DLY_BKG_FACT.OTR_REV	Other Revenue

Derived Measures

The following table briefly describes the Derived Measures:

Table 8-5 Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
BCRVN_LP	Belly Cargo Revenue LP	LAG(BSDF.BCRVN, 1) OVER HIERARCHY ("TIME".HTIME)
BCRVN_LP_PCT_CHG	Belly Cargo Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.BCRVN, 1) OVER HIERARCHY ("TIME".HTIME)
BCRVN_YTD	Belly Cargo Revenue YTD	SUM(BSDF.BCRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
BCRVN_YTD_LY	Belly Cargo Revenue YTD LY	LAG(BSDF.BCRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BCRVN_YTD_LYP_CHG	Belly Cargo Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.BCRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BKCR	Booking Conversion Rate	(BSDF.NTCFD / BSDF.NTBKD) * 100
BKD_LP	Booked LP	LAG(BSDF.BKD, 1) OVER HIERARCHY ("TIME".HTIME)
BKD_LP_PCT_CHG	Booked % Change LP	LAG_VARIANCE_PERCENT(BSDF.BKD, 1) OVER HIERARCHY ("TIME".HTIME)
BKD_LY	Booked LY	LAG(BSDF.BKD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BKD_LY_CHG	Booked Change LY	LAG_VARIANCE(BSDF.BKD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BKD_LY_PCT_CHG	Booked % Change LY	LAG_VARIANCE_PERCENT(BSDF.BKD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BKD_RNK_OFC	Booked Rank of Booking Office Parent	RANK() OVER HIERARCHY (BKOFC.HBKOFC ORDER BY BSDF.BKD DESC NULLS LAST WITHIN PARENT)
BKD_RNK_RUT	Booked Rank of Route Parent	RANK() OVER HIERARCHY (ROUTE.HROUTE ORDER BY BSDF.BKD DESC NULLS LAST WITHIN PARENT)
BKD_SHR_OFC	Booked share of booking office parent	SHARE(BSDF.BKD OF BKOFC.HBKOFC PARENT)
BKD_YTD	Booked Count YTD	SUM(BSDF.BKD) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
BKD_YTD_LY	Booked Count YTD LY	LAG(BSDF.BKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BKD_YTD_LYP_CHG	Booked Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.BKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BTTR	Book to Ticket Rate	(BSDF.TKD / BSDF.BKD) * 100
CFCNT_LP	Confirmed LP	LAG(BSDF.CFCNT, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
CFCNT_LP_PCT_CHG	Confirmed % Change LP	LAG_VARIANCE_PERCENT(BSDF.CFCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CFCNT_LY	Confirmed LY	LAG(BSDF.CFCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CFCNT_LY_CHG	Confirmed Change LY	LAG_VARIANCE(BSDF.CFCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CFCNT_LY_PCT_CHG	Confirmed % Change LY	LAG_VARIANCE_PERCENT(BSDF.CFCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CFCNT_RNK_OFC	Confirmed Rank of Booking Office	RANK() OVER HIERARCHY (BKOFC.HBKOFC ORDER BY BSDF.CFCNT DESC NULLS LAST WITHIN PARENT)
CFCNT_SHR_OFC	Confirmed Share of Booking Office Parent	SHARE(BSDF.CFCNT OF BKOFC.HBKOFC PARENT)
CFCNT_YTD	Confirmed Count YTD	SUM(BSDF.CFCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CFCNT_YTD_LY	Confirmed Count YTD LY	LAG(BSDF.CFCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING
CFCNT_YTD_LYP_CHG	Confirmed Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.CFCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLCNT_LP	Canceled LP	LAG(BSDF.CLCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CLCNT_LP_PCT_CHG	Canceled % Change LP	LAG_VARIANCE_PERCENT(BSDF.CLCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CLCNT_LY	Canceled LY	LAG(BSDF.CLCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLCNT_LY_CHG	Canceled Change LY	LAG_VARIANCE(BSDF.CLCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLCNT_LY_PCT_CHG	Canceled % Change LY	LAG_VARIANCE_PERCENT(BSDF.CLCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLCNT_RNK_OFC	Canceled Rank of Booking Office	RANK() OVER HIERARCHY (BKOFC.HBKOFC ORDER BY BSDF.CLCNT DESC NULLS LAST WITHIN PARENT)
CLCNT_SHR_OFC	Canceled Share of Booking Office Parent	SHARE(BSDF.CLCNT OF BKOFC.HBKOFC PARENT)
CLCNT_YTD	Canceled Count YTD	SUM(BSDF.CLCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
CLCNT_YTD_LY	Canceled Count YTD LY	LAG(BSDF.CLCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLCNT_YTD_LYP_CHG	Canceled Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.CLCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLFCF	Canceled From Confirmed	BSDF.CFCNT - BSDF.CLCNT
CLFCF_LP	Canceled From Confirmed LP	BSDF.CFCNT_LP - BSDF.CLCNT_LP
CLFCF_LP_PCT_CHG	Canceled from Confirmed % Change LP	((BSDF.CLFCF - BSDF.CLFCF_LP) / BSDF.CLFCF_LP) * 100
CLFCF_LY	Canceled From Confirmed LY	BSDF.CFCNT_LY - BSDF.CLCNT_LY
CLFCF_LY_PCT_CHG	Canceled from Confirmed % Change LY	((BSDF.CLFCF - BSDF.CLFCF_LY) / BSDF.CLFCF_LY) * 100
CLRT	Cancellation Rate	(BSDF.CLCNT / BSDF.BKD) * 100
CLRT_LP	Cancellation Rate LP	(BSDF.CLCNT_LP / BSDF.BKD_LP) * 100
CPC_LP	Coupons Count LP	LAG(BSDF.CPC, 1) OVER HIERARCHY ("TIME".HTIME)
CPC_LP_PCT_CHG	Coupons Count % Change LP	LAG_VARIANCE_PERCENT(BSDF.CPC, 1) OVER HIERARCHY ("TIME".HTIME)
CPC_YTD	Coupons Count YTD	SUM(BSDF.CPC) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CPC_YTD_LY	Coupons Count YTD LY	LAG(BSDF.CPC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CPC_YTD_LYP_CHG	Coupons Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.CPC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CSRVN_LP	Code Share Revenue LP	LAG(BSDF.CSRVN, 1) OVER HIERARCHY ("TIME".HTIME)
CSRVN_LP_PCT_CHG	Code Share Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.CSRVN, 1) OVER HIERARCHY ("TIME".HTIME)
CSRVN_YTD	Code Share Revenue YTD	SUM(BSDF.CSRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CSRVN_YTD_LY	Code Share Revenue YTD LY	LAG(BSDF.CSRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CSRVN_YTD_LYP_CHG	Code Share Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.CSRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CTRVN_LP	Charter Revenue LP	LAG(BSDF.CTRVN, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
CTRVN_LP_PCT_CHG	Charter Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.CTRVN, 1) OVER HIERARCHY ("TIME".HTIME)
CTRVN_YTD	Charter Revenue YTD	SUM(BSDF.CTRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CTRVN_YTD_LY	Charter Revenue YTD LY	LAG(BSDF.CTRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CTRVN_YTD_LYP_CHG	Charter Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.CTRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
EBRVN_LP	Excess Bag Revenue LP	LAG(BSDF.EBRVN, 1) OVER HIERARCHY ("TIME".HTIME)
EBRVN_LP_PCT_CHG	Excess Bag Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.EBRVN, 1) OVER HIERARCHY ("TIME".HTIME)
EBRVN_YTD	Excess Bag Revenue YTD	SUM(BSDF.EBRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
EBRVN_YTD_LY	Excess Bag Revenue YTD LY	LAG(BSDF.EBRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
EBRVN_YTD_LYP_CHG	Excess Bag Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.EBRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FES_LP	Fees Revenue LP	LAG(BSDF.FES, 1) OVER HIERARCHY ("TIME".HTIME)
FES_LP_PCT_CHG	Fees Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.FES, 1) OVER HIERARCHY ("TIME".HTIME)
FES_YTD	Fees Revenue YTD	SUM(BSDF.FES) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
FES_YTD_LY	Fees Revenue YTD LY	LAG(BSDF.FES_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FES_YTD_LYP_CHG	Fees Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.FES_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FPAX_LP	Flown Passenger Count LP	LAG(BSDF.FPAX, 1) OVER HIERARCHY ("TIME".HTIME)
FPAX_LP_PCT_CHG	Flown Passenger Count % Change LP	LAG_VARIANCE_PERCENT(BSDF.FPAX, 1) OVER HIERARCHY ("TIME".HTIME)
FPAX_YTD	Flown Passenger Count YTD	SUM(BSDF.FPAX) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
FPAX_YTD_LY	Flown Passenger Count YTD LY	LAG(BSDF.FPAX_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FPAX_YTD_LYP_CHG	Flown Passenger Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.FPAX_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FRVN_LP	Flown Revenue LP	LAG(BSDF.FRVN, 1) OVER HIERARCHY ("TIME".HTIME)
FRVN_LP_PCT_CHG	Flown Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.FRVN, 1) OVER HIERARCHY ("TIME".HTIME)
FRVN_RNK_BKOFC	Flown Revenue Ranking of Booking Office Parent	RANK() OVER HIERARCHY (BKOFC.HBKOFC ORDER BY BSDF.FRVN DESC NULLS LAST WITHIN ANCESTOR AT LEVEL BKOFC.TBKOFC)
FRVN_RNK_CNTYP	Flown Revenue Ranking of Channel Type Parent	RANK() OVER HIERARCHY (BKOFC.HCNTYP ORDER BY BSDF.FRVN DESC NULLS LAST WITHIN PARENT)
FRVN_YTD	Flown Revenue YTD	SUM(BSDF.FRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
FRVN_YTD_LY	Flown Revenue YTD LY	LAG(BSDF.FRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FRVN_YTD_LYP_CHG	Flown Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.FRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
GBKD_LP	Group Booked LP	LAG(BSDF.GBKD, 1) OVER HIERARCHY ("TIME".HTIME)
GBKD_LP_PCT_CHG	Group Booked % Change LP	LAG_VARIANCE_PERCENT(BSDF.GBKD, 1) OVER HIERARCHY ("TIME".HTIME)
GBKD_YTD	Group Booked YTD	SUM(BSDF.GBKD) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
GBKD_YTD_LY	Group Booked YTD LY	LAG(BSDF.GBKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
GBKD_YTD_LYP_CHG	Group Booked YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.GBKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
IBKD_LP	Individual Booked LP	LAG(BSDF.IBKD, 1) OVER HIERARCHY ("TIME".HTIME)
IBKD_LP_PCT_CHG	Individual Booked % Change LP	LAG_VARIANCE_PERCENT(BSDF.IBKD, 1) OVER HIERARCHY ("TIME".HTIME)
IBKD_YTD	Individual Booked YTD	SUM(BSDF.IBKD) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
IBKD_YTD_LY	Individual Booked YTD LY	LAG(BSDF.IBKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
IBKD_YTD_LYP_CHG	Individual Booked YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.IBKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
MTLR	Materialization Rate	((BSDF.CFCNT - BSDF.CLFCF) / BSDF.CFCNT) * 100
MTLR_LP	Materialization Rate LP	((BSDF.CFCNT_LP - BSDF.CLFCF_LP) / BSDF.CFCNT_LP) * 100
MTLR_LP_PCT_CHG	Materialization Rate % Change LP	((BSDF.MTLR - BSDF.MTLR_LP) / BSDF.MTLR_LP) * 100
MTLR_LY	Materialization Rate LY	((BSDF.CFCNT_LY - BSDF.CLFCF_LY) / BSDF.CFCNT_LP) * 100
MTLR_LY_PCT_CHG	Materialization Rate % Change LY	((BSDF.MTLR - BSDF.MTLR_LY) / BSDF.MTLR_LY) * 100
NFPAX_LP	Non Revenue Flown Passenger Count LP	LAG(BSDF.NFPAX, 1) OVER HIERARCHY ("TIME".HTIME)
NFPAX_LP_PCT_CHG	Non Revenue Flown Passenger Count % Change LP	LAG_VARIANCE_PERCENT(BSDF.NFPAX, 1) OVER HIERARCHY ("TIME".HTIME)
NFPAX_YTD	Non Revenue Flown Passenger Count YTD	SUM(BSDF.NFPAX) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
NFPAX_YTD_LY	Non Revenue Flown Passenger Count YTD LY	LAG(BSDF.NFPAX_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
NFPAX_YTD_LYP_CHG	Non Revenue Flown Passenger Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.NFPAX_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
NRPB	Net Revenue Per Booking	BSDF.NRVN / BSDF.BKD
NRPB_LP	Net Revenue Per Booking LP	BSDF.NRVN_LP / BSDF.BKD_LP
NRPB_LY	Net Revenue Per Booking LY	BSDF.NRVN_LY / BSDF.BKD_LY
NRPB_LY_CHG	Net Revenue Per Booking Change LY	BSDF.NRPB - BSDF.NRPB_LY
NRPB_LY_PCT_CHG	Net Revenue Per Booking % Change LY	(BSDF.NRPB_LY_CHG / BSDF.NRPB_LY) * 100
NRPP	Net Revenue Per PAX	BSDF.NRVN / BSDF.PXCNT
NRPP_LP	Net Revenue Per PAX LP	BSDF.NRVN_LP / BSDF.PXCNT_LP
NRPP_LY	Net Revenue Per PAX LY	BSDF.NRVN_LY / BSDF.PXCNT_LY
NRPP_LY_CHG	Net Revenue Per PAX Change LY	BSDF.NRPP - BSDF.NRPP_LY
NRPP_LY_PCT_CHG	Net Revenue Per PAX % Change LY	(BSDF.NRPP_LY_CHG / BSDF.NRPP_LY) * 100
NRPS	Non Revenue Passenger Share	(BSDF.NFPAX / BSDF.FPAX) * 100
NRVN	Net Revenue	BSDF.TRVN - (BSDF.OTCHR + BSDF.TXS)
NRVN_LP	Net Revenue LP	BSDF.TRVN_LP - (BSDF.OTCHR_LP + BSDF.TXS_LP)
NRVN_LY	Net Revenue LY	BSDF.TRVN_LY - (BSDF.OTCHR_LY + BSDF.TXS_LY)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
NRVN_LY_CHG	Net Revenue Change LY	BSDF.NRVN - BSDF.NRVN_LY
NRVN_LY_PCT_CHG	Net Revenue % Change LY	(BSDF.NRVN_LY_CHG / BSDF.NRVN_LY) * 100
NTBKD	Net Booked	BSDF.BKD - BSDF.CLFCF
NTBKD_LP	Net Booked LP	BSDF.BKD_LP - BSDF.CLFCF_LP
NTBKD_LP_PCT_CHG	Net Booked % Change LP	((BSDF.NTBKD - BSDF.NTBKD_LP) / BSDF.NTBKD_LP) * 100
NTBKD_LY	Net Booked LY	BSDF.BKD_LY - BSDF.CLFCF_LY
NTBKD_LY_PCT_CHG	Net Booked % Change LY	((BSDF.NTBKD - BSDF.NTBKD_LY) / BSDF.NTBKD_LY) * 100
NTCFD_YTD	Net Confirmed YTD	SUM(BSDF.NTCFD) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
NTCFD_YTD_LY	Net Confirmed YTD LY	LAG(BSDF.NTCFD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
NTCFD_YTD_LYP_CHG	Net Confirmed YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.NTCFD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OBRVN_LP	Onboard Revenue LP	LAG(BSDF.OBRVN, 1) OVER HIERARCHY ("TIME".HTIME)
OBRVN_LP_PCT_CHG	Onboard Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.OBRVN, 1) OVER HIERARCHY ("TIME".HTIME)
OBRVN_YTD	Onboard Revenue YTD	SUM(BSDF.OBRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
OBRVN_YTD_LY	Onboard Revenue YTD LY	LAG(BSDF.OBRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OBRVN_YTD_LYP_CHG	Onboard Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.OBRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OTCHR_LP	Other Charges LP	LAG(BSDF.OTCHR, 1) OVER HIERARCHY ("TIME".HTIME)
OTCHR_LY	Other Charges LY	LAG(BSDF.OTCHR, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OTCHR_LY_CHG	Other Charges Change LY	LAG_VARIANCE(BSDF.OTCHR, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OTCHR_LY_PCT_CHG	Other Charges % Change LY	LAG_VARIANCE_PERCENT(BSDF.OTCHR, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
OTCHR_YTD	Other Charges YTD	SUM(BSDF.OTCHR) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
OTCHR_YTD_LY	Other Charges YTD LY	LAG(BSDF.OTCHR_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OTCHR_YTD_LYP_CHG	Other Charges YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.OTCHR_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OTRVN_LP	Other Revenue LP	LAG(BSDF.OTRVN, 1) OVER HIERARCHY ("TIME".HTIME)
OTRVN_LP_PCT_CHG	Other Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.OTRVN, 1) OVER HIERARCHY ("TIME".HTIME)
OTRVN_YTD	Other Revenue YTD	SUM(BSDF.OTRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
OTRVN_YTD_LY	Other Revenue YTD LY	LAG(BSDF.OTRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
OTRVN_YTD_LYP_CHG	Other Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.OTRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
PXCNT_LP	Passenger Count LP	LAG(BSDF.PXCNT, 1) OVER HIERARCHY ("TIME".HTIME)
PXCNT_LP_PCT_CHG	Passenger Count % Change LP	LAG_VARIANCE_PERCENT(BSDF.PXCNT, 1) OVER HIERARCHY ("TIME".HTIME)
PXCNT_LY	Passenger Count LY	LAG(BSDF.PXCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
PXCNT_LY_CHG	Passenger Count Change LY	LAG_VARIANCE(BSDF.PXCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
PXCNT_LY_PCT_CHG	Passenger Count % Change LY	LAG_VARIANCE_PERCENT(BSDF.PXCNT, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
PXCNT_RNK_RUT	Passenger Count Rank of Route Parent	RANK() OVER HIERARCHY (ROUTE.HROUTE ORDER BY BSDF.PXCNT DESC NULLS LAST WITHIN PARENT)
PXCNT_YTD	Passenger Count YTD	SUM(BSDF.PXCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
PXCNT_YTD_LY	Passenger Count YTD LY	LAG(BSDF.PXCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
PXCNT_YTD_LYP_CHG	Passenger Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.PXCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TKD_LP	Ticked LP	LAG(BSDF.TKD, 1) OVER HIERARCHY ("TIME".HTIME)
TKD_LP_PCT_CHG	Ticketed % Change LP	LAG_VARIANCE_PERCENT(BSDF.TKD, 1) OVER HIERARCHY ("TIME".HTIME)
TKD_LY	Ticketed LY	LAG(BSDF.TKD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TKD_LY_CHG	Ticketed Change LY	LAG_VARIANCE(BSDF.TKD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TKD_LY_PCT_CHG	Ticketed % Change LY	LAG_VARIANCE_PERCENT(BSDF.TKD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TKD_YTD	Ticketed Count YTD	SUM(BSDF.TKD) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
TKD_YTD_LY	Ticketed Count YTD LY	LAG(BSDF.TKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TKD_YTD_LYP_CHG	Ticketed Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.TKD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TRPB	Total Revenue Per Booking	BSDF.TRVN / BSDF.BKD
TRPB_LY	Total Revenue Per Booking LY	BSDF.TRVN_LY / BSDF.BKD_LY
TRPB_LY_CHG	Total Revenue Per Booking Change LY	BSDF.TRPB - BSDF.TRPB_LY
TRPB_LY_PCT_CHG	Total Revenue Per Booking % Change LY	(BSDF.TRPB_LY_CHG / BSDF.TRPB_LY) * 100
TRPP	Total Revenue Per PAX	BSDF.TRVN / BSDF.PXCNT
TRPP_LY	Total Revenue Per PAX LY	BSDF.TRVN_LY / BSDF.PXCNT_LY
TRPP_LY_CHG	Total Revenue Per PAX Change LY	BSDF.TRPP - BSDF.TRPP_LY
TRPP_LY_PCT_CHG	Total Revenue Per PAX % Change LY	(BSDF.TRPP_LY_CHG / BSDF.TRPP_LY) * 100
TRVN_LP	Total Revenue LP	LAG(BSDF.TRVN, 1) OVER HIERARCHY ("TIME".HTIME)
TRVN_LP_PCT_CHG	Total Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.TRVN, 1) OVER HIERARCHY ("TIME".HTIME)
TRVN_LY	Total Revenue LY	LAG(BSDF.TRVN, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
TRVN_LY_CHG	Total Revenue Change LY	LAG_VARIANCE(BSDF.TRVN, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TRVN_LY_PCT_CHG	Total Revenue % Change LY	LAG_VARIANCE_PERCENT(BSDF.TRVN, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TRVN_RNK_BKOFC	Total Revenue Rank of Booking Office Parent	RANK() OVER HIERARCHY (BKOFC.HBKOFC ORDER BY BSDF.TRVN DESC NULLS LAST WITHIN PARENT)
TRVN_RNK_RUT	Total Revenue Rank of Route Parent	RANK() OVER HIERARCHY (ROUTE.HROUTE ORDER BY BSDF.TRVN DESC NULLS LAST WITHIN PARENT)
TRVN_YTD	Total Revenue YTD	SUM(BSDF.TRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
TRVN_YTD_LY	Total Revenue YTD LY	LAG(BSDF.TRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TRVN_YTD_LYP_CHG	Total Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.TRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TXS_LP	Taxes LP	LAG(BSDF.TXS, 1) OVER HIERARCHY ("TIME".HTIME)
TXS_LY	Taxes LY	LAG(BSDF.TXS, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TXS_LY_CHG	Taxes Change LY	LAG_VARIANCE(BSDF.TXS, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TXS_LY_PCT_CHG	Taxes % Change LY	LAG_VARIANCE_PERCENT(BSDF.TXS, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TXS_YTD	Taxes YTD	SUM(BSDF.TXS) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
TXS_YTD_LY	Taxes YTD LY	LAG(BSDF.TXS_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TXS_YTD_LYP_CHG	Taxes YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.TXS_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
WTLST_LP	Waitlist LP	LAG(BSDF.WTLST, 1) OVER HIERARCHY ("TIME".HTIME)
WTLST_LY	Waitlist LY	LAG(BSDF.WTLST, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
WTLST_LY_CHG	Waitlist Change LY	LAG_VARIANCE(BSDF.WTLST, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

Table 8-5 (Cont.) Booking Segment Departure Fact Cube Derived Measures

Physical Name	Logical Name	Definition
WTLST_LY_PCT_CHG	Waitlist % Change LY	LAG_VARIANCE_PERCENT(BSDF.WTLST, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
WTLST_YTD	Wait Listed Count YTD	SUM(BSDF.WTLST) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
WTLST_YTD_LY	Wait Listed Count YTD LY	LAG(BSDF.WTLST_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
WTLST_YTD_LYP_CHG	Wait Listed Count YTD % Change LY	LAG_VARIANCE_PERCENT(BSDF.WTLST_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

8.3 Booking Segment Departure Fact Forecast Cube: BSDF_F

Contains the summarized booking segment departure fact forecast information.

Physical Name: BSDF_F

Dimensions and Load Level

The following table briefly describes the Dimensions and Load Level:

Table 8-6 Booking Segment Departure Fact Forecast Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
BKCLS	BKCLS
ROUTE	ROUTE
OPFLT	OPFLT
OPSMT	OPSMT
BKOFC	AGNT

Aggregation Order/Operator

The following table briefly describes the Aggregation Operator and Order:

Table 8-7 Booking Segment Departure Fact Forecast Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	sum	1
BKCLS	sum	2
BKOFC	sum	3
OPFLT	sum	4
OPSMT	sum	5
ROUTE	sum	6

Base Measures

The following table briefly describes the Base Measures:

Table 8-8 Booking Segment Departure Fact Forecast Base Measures

Physical Name	Logical Name	Physical Column
BKD_F	Booked Forecast	Booked Forecast
GBKD_F	Group Booked Forecast	Group Booked Forecast
IBKD_F	Individual Booked Forecast	Individual Booked Forecast
PXCNT_F	Passenger Count Forecast	Passenger Count Forecast
TRVN_F	Total Revenue Forecast	Total Revenue Forecast

8.4 Call Center Performance Fact Cube: CCPF

Contains the summarized call center performance information.

Physical Name: CCPF

Dimensions and Load Level

The following table briefly describes the Dimensions and Load Level:

Table 8-9 Call Center Performance Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
BKOFC	AGNT

Aggregation Order/Operator

The following table briefly describes the Aggregation Operator and Order:

Table 8-10 Call Center Performance Fact Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	sum	1
BKOFC	sum	2

Base Measures

The following table briefly describes the Base Measures:

Table 8-11 Call Center Performance Fact Base Measures

Physical Name	Logical Name	Physical Column	Description
CCNT	Total number of call	DWA_DLY_CC_PRFM.CALL_CNT	Total number of call
ACCNT	Total number of accessible call	DWA_DLY_CC_PRFM.ACSBL_CNT	Total number of accessible call
STCNT	Total number of satisfy call	DWA_DLY_CC_PRFM.STFY_CNT	Total number of satisfy call
CMIN	Total minute of call duration	DWA_DLY_CC_PRFM.MIN_AMT	Total minute of call duration
AGCNT	Working agent count	DWA_DLY_CC_PRFM.AGNT_CNT	Working agent count

Derived Measures

The following table briefly describes the Derived Measures:

Table 8-12 Call Center Performance Fact Cube Derived Measures

Physical Name	Logical Name	Definition
ACCNT_LP	Total Number of Accessible Call LP	LAG(CCPF.ACCNT, 1) OVER HIERARCHY ("TIME".HTIME)
ACCNT_LP_PCT_CHG	Total Number of Accessible Call % Change LP	LAG_VARIANCE_PERCENT(CCPF.ACCNT, 1) OVER HIERARCHY ("TIME".HTIME)
ACCNT_YTD	Total Number of Accessible Call YTD	SUM(CCPF.ACCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
ACCNT_YTD_LY	Total Number of Accessible Call YTD LY	LAG(CCPF.ACCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
ACCNT_YTD_LYP_CHG	Total Number of Accessible Call YTD % Change LY	LAG_VARIANCE_PERCENT(CCPF.ACCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
AGCNT_LP	Working Agent Count LP	LAG(CCPF.AGCNT, 1) OVER HIERARCHY ("TIME".HTIME)
AGCNT_LP_PCT_CHG	Working Agent Count % Change LP	LAG_VARIANCE_PERCENT(CCPF.AGCNT, 1) OVER HIERARCHY ("TIME".HTIME)
AGCNT_YTD	Working Agent Count YTD	SUM(CCPF.AGCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")

Table 8-12 (Cont.) Call Center Performance Fact Cube Derived Measures

Physical Name	Logical Name	Definition
AGCNT_YTD_LY	Working Agent Count YTD LY	LAG(CCPF.AGCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
AGCNT_YTD_LYP_CH	Working Agent Count YTD % Change LY	LAG_VARIANCE_PERCENT(CCPF.AGCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CCNT_LP	Total Number of Call LP	LAG(CCPF.CCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CCNT_LP_PCT_CHG	Total Number of Call % Change LP	LAG_VARIANCE_PERCENT(CCPF.CCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CCNT_YTD	Total Number of Call YTD	SUM(CCPF.CCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CCNT_YTD_LY	Total Number of Call YTD LY	LAG(CCPF.CCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CCNT_YTD_LYP_CHG	Total Number of Call YTD % Change LY	LAG_VARIANCE_PERCENT(CCPF.CCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CMIN_LP	Total Minute of Call Duration LP	LAG(CCPF.CMIN, 1) OVER HIERARCHY ("TIME".HTIME)
CMIN_LP_PCT_CHG	Total Minute of Call Duration % Change LP	LAG_VARIANCE_PERCENT(CCPF.CMIN, 1) OVER HIERARCHY ("TIME".HTIME)
CMIN_YTD	Total Minute of Call Duration YTD	SUM(CCPF.CMIN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CMIN_YTD_LY	Total Minute of Call Duration YTD LY	LAG(CCPF.CMIN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CMIN_YTD_LYP_CHG	Total Minute of Call Duration YTD % Change LY	LAG_VARIANCE_PERCENT(CCPF.CMIN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
STCNT_LP	Total Number of Satisfy Call LP	LAG(CCPF.STCNT, 1) OVER HIERARCHY ("TIME".HTIME)
STCNT_LP_PCT_CHG	Total Number of Satisfy Call % Change LP	LAG_VARIANCE_PERCENT(CCPF.STCNT, 1) OVER HIERARCHY ("TIME".HTIME)
STCNT_YTD	Total Number of Satisfy Call YTD	SUM(CCPF.STCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
STCNT_YTD_LY	Total Number of Satisfy Call YTD LY	LAG(CCPF.STCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
STCNT_YTD_LYP_CHG	Total Number of Satisfy Call YTD % Change LY	LAG_VARIANCE_PERCENT(CCPF.STCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

8.5 Customer Survey Daily Fact Cube: CSDF

Contains the summarized customer survey daily information.

Physical Name: CSDF

Dimensions and Load Level

The following table briefly describes the Dimensions and Load Level:

Table 8-13 Customer Survey Daily Fact Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
IRSN	IRSN
SRV	SRVC

Aggregation Order/Operator

The following table briefly describes the Aggregation Operator and Order:

Table 8-14 Customer Survey Daily Fact Cube Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	SUM	1
IRSN	SUM	2
SRVC	SUM	3

Base Measures

The following table briefly describes the Base Measures:

Table 8-15 Customer Survey Daily Fact Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
STFC	Satisfy Count	DWA_DLY_CUST_SURVEY.STFY_CNT	Satisfy Count
TSRC	Total Survey Count	DWA_DLY_CUST_SURVEY.TOT_SURVEY_CNT	Total Survey Count

Derived Measures

The following table briefly describes the Derived Measures:

Table 8-16 Customer Survey Daily Fact Cube Derived Measures

Physical Name	Logical Name	Definition
STFC_LP	Satisfy Count LP	LAG(CSDF.STFC, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-16 (Cont.) Customer Survey Daily Fact Cube Derived Measures

Physical Name	Logical Name	Definition
STFC_LP_PCT_CHG	Satisfy Count % Change LP	LAG_VARIANCE_PERCENT(CSDF.STFC, 1) OVER HIERARCHY ("TIME".HTIME)
STFC_YTD	Satisfy Count YTD	SUM(CSDF.STFC) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
STFC_YTD_LY	Satisfy Count YTD LY	LAG(CSDF.STFC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
STFC_YTD_LYP_CHG	Satisfy Count YTD % Change LY	LAG_VARIANCE_PERCENT(CSDF.STFC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TSRC_LP	Total Survey Count LP	LAG(CSDF.TSRC, 1) OVER HIERARCHY ("TIME".HTIME)
TSRC_LP_PCT_CHG	Total Survey Count % Change LP	LAG_VARIANCE_PERCENT(CSDF.TSRC, 1) OVER HIERARCHY ("TIME".HTIME)
TSRC_YTD	Total Survey Count YTD	SUM(CSDF.TSRC) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
TSRC_YTD_LY	Total Survey Count YTD LY	LAG(CSDF.TSRC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TSRC_YTD_LYP_CHG	Total Survey Count YTD % Change LY	LAG_VARIANCE_PERCENT(CSDF.TSRC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

8.6 Flight Detail Daily Fact Cube: FDDF

Contains the summarized flight detail daily information.

Physical Name: FDDF

Dimensions and Load Level

The following table briefly describes the Dimensions and Load Level:

Table 8-17 Flight Detail Daily Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
OPSMT	OPSMT
OPFLT	OPFLT

Aggregation Order/Operator

The following table briefly describes the Aggregation Operator and Order:

Table 8-18 Flight Detail Daily Cube Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	SUM	1
OPSMT	SUM	2
OPFLT	SUM	3

Base Measures

The following table briefly describes the Base Measures:

Table 8-19 Flight Detail Daily Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
SBCP	Saleable Total Capacity	DWA_DLY_FLT_DETLS.SALEBLE_TOT_CPCTY	Total number of saleable seat
DTFL	Distance Flown	DWA_DLY_FLT_DETLS.NAUTICAL_MLS	The distance flown between the origin and destination

Derived Measures

The following table briefly describes the Derived Measures:

Table 8-20 Flight Detail Daily Cube Derived Measures

Physical Name	Logical Name	Definition
DTFL_LP	Distance Flown LP	LAG(FDDF.DTFL, 1) OVER HIERARCHY ("TIME".HTIME)
PASK	Passenger Available Seat Kilometer	FDDF.DTFL * FDDF.SBCP
PASK_LP	Passenger Available Seat Kilometer LP	FDDF.DTFL_LP * FDDF.SBCP_LP
SBCP_LP	Saleable Total Capacity LP	LAG(FDDF.SBCP, 1) OVER HIERARCHY ("TIME".HTIME)

8.7 Loyalty Account Fact Cube: LYAF

Contains the summarized loyalty account information.

Physical Name: LYAF

Dimensions and Load Level

The following table briefly describes the Dimensions and Load Level:

Table 8-21 Loyalty Account Fact Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
GEO	CITY
LOYLV	LOYLY

Aggregation Order/Operator

The following table briefly describes the Aggregation Operator and Order:

Table 8-22 Loyalty Account Fact Cube Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	SUM	1
GEO	SUM	2
LOYLV	SUM	3

Base Measures

The following table briefly describes the Base Measures:

Table 8-23 Loyalty Account Fact Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
LYCNT	Loyalty Account Count	DWA_DLY_LYLTY_ACCT.LYLTY_ACCT_CNT	Loyalty Account Count
UGCNT	Upgrade Count	DWA_DLY_LYLTY_ACCT.UGRD_CNT	Upgrade Count
DGCNT	Downgrade Count	DWA_DLY_LYLTY_ACCT.DGRD_CNT	Downgrade Count
ATCNT	Active Account Count	DWA_DLY_LYLTY_ACCT.ACTV_CNT	Active Account Count
TAML	The Total Mils Amount in Accounts	DWA_DLY_LYLTY_ACCT.TOT_MILES_AMT	The Total Mils Amount in Accounts
TMED	The Total Mils Amount Earned in Accounts	DWA_DLY_LYLTY_ACCT.MILES_END_AMT	The Total Mils Amount Earned in Accounts
TMRD	The Total Mils Amount Redeemed in Accounts	DWA_DLY_LYLTY_ACCT.MILES_RDMD_AMT	The Total Mils Amount Redeemed in Accounts

Derived Measures

The following table briefly describes the Derived Measures:

Table 8-24 Loyalty Account Fact Cube Derived Measures

Physical Name	Logical Name	Definition
ATCNT_LP	Active Account Count LP	LAG(LYAF.ATCNT, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-24 (Cont.) Loyalty Account Fact Cube Derived Measures

Physical Name	Logical Name	Definition
ATCNT_LP_PCT_CHG	Active Account Count % Change LP	LAG_VARIANCE_PERCENT(LYAF.ATCNT, 1) OVER HIERARCHY ("TIME".HTIME)
ATCNT_YTD	Active Account Count YTD	SUM(LYAF.ATCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
ATCNT_YTD_LY	Active Account Count YTD LY	LAG(LYAF.ATCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
ATCNT_YTD_LYP_CHG	Active Account Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYAF.ATCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
DGCNT_LP	Downgrade Count LP	LAG(LYAF.DGCNT, 1) OVER HIERARCHY ("TIME".HTIME)
DGCNT_LP_PCT_CHG	Downgrade Count % Change LP	LAG_VARIANCE_PERCENT(LYAF.DGCNT, 1) OVER HIERARCHY ("TIME".HTIME)
DGCNT_YTD	Downgrade Count YTD	SUM(LYAF.DGCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
DGCNT_YTD_LY	Downgrade Count YTD LY	LAG(LYAF.DGCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
DGCNT_YTD_LYP_CHG	Downgrade Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYAF.DGCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
LYCNT_LP	Loyalty Account Count LP	LAG(LYAF.LYCNT, 1) OVER HIERARCHY ("TIME".HTIME)
LYCNT_LP_PCT_CHG	Loyalty Account Count % Change LP	LAG_VARIANCE_PERCENT(LYAF.LYCNT, 1) OVER HIERARCHY ("TIME".HTIME)
LYCNT_YTD	Loyalty Account Count YTD	SUM(LYAF.LYCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
LYCNT_YTD_LY	Loyalty Account Count YTD LY	LAG(LYAF.LYCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
LYCNT_YTD_LYP_CHG	Loyalty Account Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYAF.LYCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TAML_LP	The Total Mils Amount in Accounts LP	LAG(LYAF.TAML, 1) OVER HIERARCHY ("TIME".HTIME)
TAML_LP_PCT_CHG	The Total Mils Amount in Accounts % Change LP	LAG_VARIANCE_PERCENT(LYAF.TAML, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-24 (Cont.) Loyalty Account Fact Cube Derived Measures

Physical Name	Logical Name	Definition
TAML_YTD	The Total Mils Amount in Accounts YTD	SUM(LYAF.TAML) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
TAML_YTD_LY	The Total Mils Amount in Accounts YTD LY	LAG(LYAF.TAML_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TAML_YTD_LYP_CHG	The Total Mils Amount in Accounts YTD % Change LY	LAG_VARIANCE_PERCENT(LYAF.TAML_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TMED_LP	The Total Mils Amount Earned in Accounts LP	LAG(LYAF.TMED, 1) OVER HIERARCHY ("TIME".HTIME)
TMED_LP_PCT_CHG	The Total Mils Amount Earned in Accounts % Change LP	LAG_VARIANCE_PERCENT(LYAF.TMED, 1) OVER HIERARCHY ("TIME".HTIME)
TMED_YTD	The Total Mils Amount Earned in Accounts YTD	SUM(LYAF.TMED) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
TMED_YTD_LY	The Total Mils Amount Earned in Accounts YTD LY	LAG(LYAF.TMED_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TMED_YTD_LYP_CHG	The Total Mils Amount Earned in Accounts YTD % Change LY	LAG_VARIANCE_PERCENT(LYAF.TMED_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TMRD_LP	The Total Mils Amount Redeemed in Accounts LP	LAG(LYAF.TMRD, 1) OVER HIERARCHY ("TIME".HTIME)
TMRD_LP_PCT_CHG	The Total Mils Amount Redeemed in Accounts % Change LP	LAG_VARIANCE_PERCENT(LYAF.TMRD, 1) OVER HIERARCHY ("TIME".HTIME)
TMRD_YTD	The Total Mils Amount Redeemed in Accounts YTD	SUM(LYAF.TMRD) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
TMRD_YTD_LY	The Total Mils Amount Redeemed in Accounts YTD LY	LAG(LYAF.TMRD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TMRD_YTD_LYP_CHG	The Total Mils Amount Redeemed in Accounts YTD % Change LY	LAG_VARIANCE_PERCENT(LYAF.TMRD_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
UGCNT_LP	Upgrade Count LP	LAG(LYAF.UGCNT, 1) OVER HIERARCHY ("TIME".HTIME)
UGCNT_LP_PCT_CHG	Upgrade Count % Change LP	LAG_VARIANCE_PERCENT(LYAF.UGCNT, 1) OVER HIERARCHY ("TIME".HTIME)
UGCNT_YTD	Upgrade Count YTD	SUM(LYAF.UGCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")

Table 8-24 (Cont.) Loyalty Account Fact Cube Derived Measures

Physical Name	Logical Name	Definition
UGCNT_YTD_LY	Upgrade Count YTD LY	LAG(LYAF.UGCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
UGCNT_YTD_LYP_CHG	Upgrade Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYAF.UGCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

8.8 Loyalty Booking Fact Cube: LYBF

Contains the summarized loyalty account booking information.

Physical Name: LYBF

Dimensions and Load Level

The following table briefly describes the Dimensions and Load Level:

Table 8-25 Loyalty Booking Fact Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
LOYLV	LOYLY
BKOFC	AGNT

Aggregation Order/Operator

The following table briefly describes the Aggregation Operator and Order:

Table 8-26 Loyalty Booking Fact Cube Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	SUM	1
LOYLV	SUM	2
BKOFC	SUM	3

Base Measures

The following table briefly describes the Base Measures:

Table 8-27 Loyalty Booking Fact Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
LACNT	Loyalty Account Count	DWA_DLY_LA_BKG.LYLTY_ACCT_CNT	Loyalty Account Count

Table 8-27 (Cont.) Loyalty Booking Fact Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
ACCNT	Active Account Count	DWA_DLY_LA_BKG.ACTV_CNT	Active Account Count
PCNT	Passenger Count	DWA_DLY_LA_BKG.PAX_CNT	Passenger Count
BKCNT	Booked Count	DWA_DLY_LA_BKG.BKD	Booked Count
CFCNT	The Confirmed Booking Count	DWA_DLY_LA_BKG.CONFMD_CNT	The Confirmed Booking Count
CLCNT	The Canceled Booking Count	DWA_DLY_LA_BKG.CNCLD_CNT	The Canceled Booking Count
FPCNT	The Flown Passenger Count	DWA_DLY_LA_BKG.FLN_PAX_CNT	The Flown Passenger Count
FRAC	The Flown Revenue Contributed by Active Account	DWA_DLY_LA_BKG.FLN_REV_BY_ACTV	The Flown Revenue Contributed by Active Account
FLRVN	The Flown Revenue	DWA_DLY_LA_BKG.FLN_REV	The Flown Revenue
FTCNT	The Flight Count	DWA_DLY_LA_BKG.FLT_CNT	The Flight Count
TKAMT	Ticket Amount	DWA_DLY_LA_BKG.TKT_AMT	Ticket Amount

Derived Measures

The following table briefly describes the Derived Measures:

Table 8-28 Loyalty Booking Fact Cube Derived Measures

Physical Name	Logical Name	Definition
ACCNT_LP	Active Account Count LP	LAG(LYBF.ACCNT, 1) OVER HIERARCHY ("TIME".HTIME)
ACCNT_LP_PCT_CHG	Active Account Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.ACCNT, 1) OVER HIERARCHY ("TIME".HTIME)
ACCNT_YTD	Active Account Count YTD	SUM(LYBF.ACCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
ACCNT_YTD_LY	Active Account Count YTD LY	LAG(LYBF.ACCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
ACCNT_YTD_LYP_CHG	Active Account Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.ACCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BKCNT_LP	Booked Count LP	LAG(LYBF.BKCNT, 1) OVER HIERARCHY ("TIME".HTIME)
BKCNT_LP_PCT_CHG	Booked Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.BKCNT, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-28 (Cont.) Loyalty Booking Fact Cube Derived Measures

Physical Name	Logical Name	Definition
BKCNT_YTD	Booked Count YTD	SUM(LYBF.BKCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
BKCNT_YTD_LY	Booked Count YTD LY	LAG(LYBF.BKCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
BKCNT_YTD_LYP_CHG	Booked Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.BKCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CFCNT_LP	The Confirmed Booking Count LP	LAG(LYBF.CFCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CFCNT_LP_PCT_CHG	The Confirmed Booking Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.CFCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CFCNT_YTD	The Confirmed Booking Count YTD	SUM(LYBF.CFCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CFCNT_YTD_LY	The Confirmed Booking Count YTD LY	LAG(LYBF.CFCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CFCNT_YTD_LYP_CHG	The Confirmed Booking Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.CFCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLCNT_LP	The Canceled Booking Count LP	LAG(LYBF.CLCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CLCNT_LP_PCT_CHG	The Canceled Booking Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.CLCNT, 1) OVER HIERARCHY ("TIME".HTIME)
CLCNT_YTD	The Canceled Booking Count YTD	SUM(LYBF.CLCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
CLCNT_YTD_LY	The Canceled Booking Count YTD LY	LAG(LYBF.CLCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
CLCNT_YTD_LYP_CHG	The Canceled Booking Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.CLCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FLRVN_LP	The Flown Revenue LP	LAG(LYBF.FLRVN, 1) OVER HIERARCHY ("TIME".HTIME)
FLRVN_LP_PCT_CHG	The Flown Revenue % Change LP	LAG_VARIANCE_PERCENT(LYBF.FLRVN, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-28 (Cont.) Loyalty Booking Fact Cube Derived Measures

Physical Name	Logical Name	Definition
FLRVN_YTD	The Flown Revenue YTD	SUM(LYBF.FLRVN) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
FLRVN_YTD_LY	The Flown Revenue YTD LY	LAG(LYBF.FLRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FLRVN_YTD_LYP_CHG	The Flown Revenue YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.FLRVN_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FPCNT_LP	The Flown Passenger Count LP	LAG(LYBF.FPCNT, 1) OVER HIERARCHY ("TIME".HTIME)
FPCNT_LP_PCT_CHG	The Flown Passenger Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.FPCNT, 1) OVER HIERARCHY ("TIME".HTIME)
FPCNT_YTD	The Flown Passenger Count YTD	SUM(LYBF.FPCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
FPCNT_YTD_LY	The Flown Passenger Count YTD LY	LAG(LYBF.FPCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FPCNT_YTD_LYP_CHG	The Flown Passenger Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.FPCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FRAC_LP	The Flown Revenue Contributed by Active Account LP	LAG(LYBF.FRAC, 1) OVER HIERARCHY ("TIME".HTIME)
FRAC_LP_PCT_CHG	The Flown Revenue Contributed by Active Account % Change LP	LAG_VARIANCE_PERCENT(LYBF.FRAC, 1) OVER HIERARCHY ("TIME".HTIME)
FRAC_YTD	The Flown Revenue Contributed by Active Account YTD	SUM(LYBF.FRAC) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
FRAC_YTD_LY	The Flown Revenue Contributed by Active Account YTD LY	LAG(LYBF.FRAC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FRAC_YTD_LYP_CHG	The Flown Revenue Contributed by Active Account YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.FRAC_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FTCNT_LP	The Flight Count LP	LAG(LYBF.FTCNT, 1) OVER HIERARCHY ("TIME".HTIME)
FTCNT_LP_PCT_CHG	The Flight Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.FTCNT, 1) OVER HIERARCHY ("TIME".HTIME)

Table 8-28 (Cont.) Loyalty Booking Fact Cube Derived Measures

Physical Name	Logical Name	Definition
FTCNT_YTD	The Flight Count YTD	SUM(LYBF.FTCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
FTCNT_YTD_LY	The Flight Count YTD LY	LAG(LYBF.FTCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
FTCNT_YTD_LYP_CHG	The Flight Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.FTCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
LACNT_LP	Loyalty Account Count LP	LAG(LYBF.LACNT, 1) OVER HIERARCHY ("TIME".HTIME)
LACNT_LP_PCT_CHG	Loyalty Account Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.LACNT, 1) OVER HIERARCHY ("TIME".HTIME)
LACNT_YTD	Loyalty Account Count YTD	SUM(LYBF.LACNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
LACNT_YTD_LY	Loyalty Account Count YTD LY	LAG(LYBF.LACNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
LACNT_YTD_LYP_CHG	Loyalty Account Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.LACNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
PCNT_LP	Passenger Count LP	LAG(LYBF.PCNT, 1) OVER HIERARCHY ("TIME".HTIME)
PCNT_LP_PCT_CHG	Passenger Count % Change LP	LAG_VARIANCE_PERCENT(LYBF.PCNT, 1) OVER HIERARCHY ("TIME".HTIME)
PCNT_YTD	Passenger Count YTD	SUM(LYBF.PCNT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")
PCNT_YTD_LY	Passenger Count YTD LY	LAG(LYBF.PCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
PCNT_YTD_LYP_CHG	Passenger Count YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.PCNT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TKAMT_LP	Ticket Amount LP	LAG(LYBF.TKAMT, 1) OVER HIERARCHY ("TIME".HTIME)
TKAMT_LP_PCT_CHG	Ticket Amount % Change LP	LAG_VARIANCE_PERCENT(LYBF.TKAMT, 1) OVER HIERARCHY ("TIME".HTIME)
TKAMT_YTD	Ticket Amount YTD	SUM(LYBF.TKAMT) OVER HIERARCHY ("TIME".HTIME BETWEEN UNBOUNDED PRECEDING AND CURRENT MEMBER WITHIN ANCESTOR AT LEVEL "TIME"."YEAR")

Table 8-28 (Cont.) Loyalty Booking Fact Cube Derived Measures

Physical Name	Logical Name	Definition
TKAMT_YTD_LY	Ticket Amount YTD LY	LAG(LYBF.TKAMT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)
TKAMT_YTD_LYP_CHG	Ticket Amount YTD % Change LY	LAG_VARIANCE_PERCENT(LYBF.TKAMT_YTD, 1) OVER HIERARCHY ("TIME".HTIME BY ANCESTOR AT LEVEL "TIME".HTIME."YEAR" POSITION FROM BEGINNING)

9

Oracle Airlines Data Model Data Mining Models

Provides reference information about the data mining models provided with Oracle Airlines Data Model.

9.1 About Data Mining in Oracle Airlines Data Model

Oracle Airlines Data Model mining models include mining packages, mining source tables (MV), and target tables.

The source materialized views are defined on 3NF layer tables (Base, Reference) and analytical layer tables (Derived, Reference) of Oracle Airlines Data Model. The procedures in mining package pull data from source tables to train mining models. The trained mining models are applied on apply tables (MV), which are also defined on 3NF and analytical layer tables. The data in source tables and apply tables is differed by time. The target tables contain mining results data, which could be rules derived from trained models and also results of applying trained model on apply data.

> **Note:**
>
> Oracle Airlines Data Model does not support modified or new data models. Consequently, do not change the data models that are defined and delivered with Oracle Airlines Data Model, but, instead, to create a data model copy a delivered data model.

Table 9-1 Oracle Airlines Data Model Algorithm Types Used by Model

Model	Problem Type	Algorithms Used by Data Mining Model
Model 1: Customer Segmentation Analysis	Clustering	K-Means Clustering
Model 2: Customer Loyalty Analysis	Classification	Decision Tree (DT), Support Vector Machine (SVM)

Table 9-1 (Cont.) Oracle Airlines Data Model Algorithm Types Used by Model

Model	Problem Type	Algorithms Used by Data Mining Model
Model 3: Customer Life Time Value Analysis	Classification & Regression	Decision Tree (DT), Generalized Linear Model Regression (GLMR)
Model 4: Frequent Flyer Passenger Prediction	Classification	Decision Tree (DT), Support Vector Machine (SVM)

- Understanding the Oracle Airlines Data Model Data Mining Architecture (page 9-2)
- Using the Mining Model Refresh Procedure (page 9-3)

Related Topics

- *Oracle Data Mining Concepts*
- *Oracle Data Mining User's Guide*

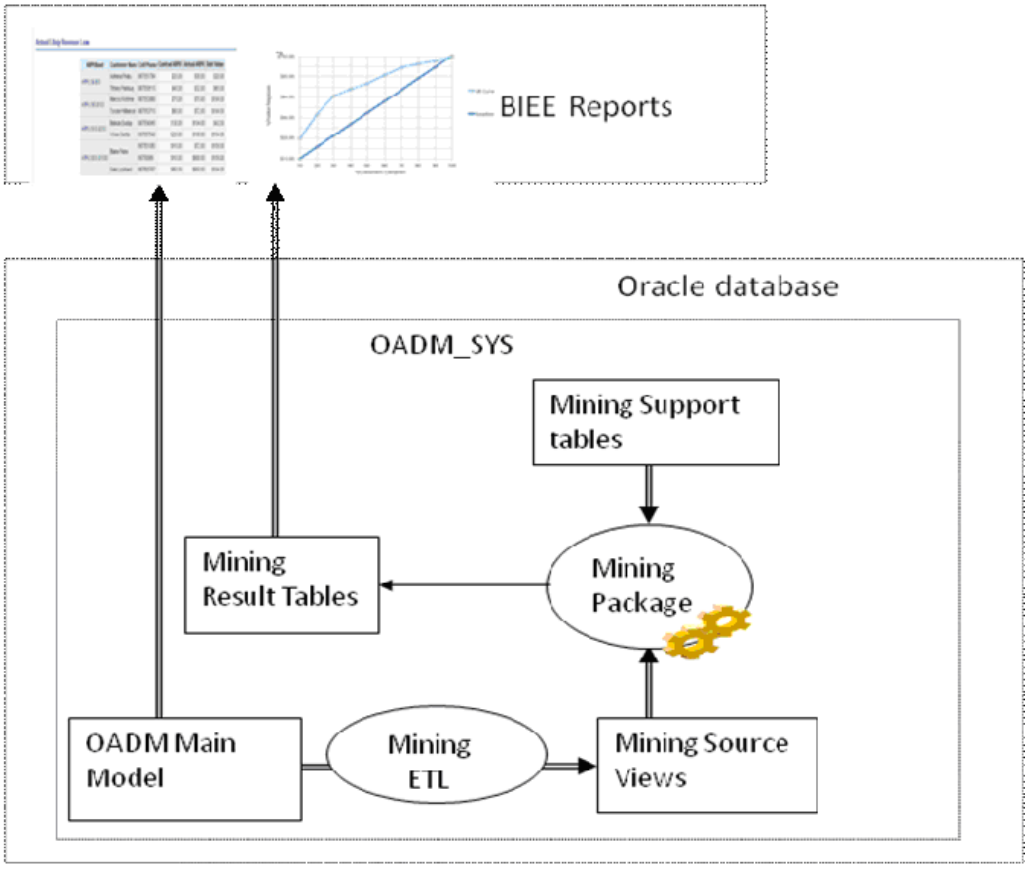
9.1.1 Understanding the Oracle Airlines Data Model Data Mining Architecture

Oracle Airlines Data Model consists of one schema, `oadm_sys`. Table 9-1 (page 9-1) shows how mining source tables (MV) are mapped and how mining packages function.

The `oadm_sys` schema includes the following:

- **OADM main model**: This includes all base, reference, lookup, derived, and aggregate tables.
- **Mining Model Package** (*pkg_oadm_mining*): Given data in mining source tables and apply tables, the mining package trains models using source tables, generates mined rules, and applies trained models on apply data and generate predicted results.
- **Mining Model Source and Apply Tables**: Materialized views are defined on OADM main model tables (base and reference of 3NF layer, derived and reference of Analytical layer).
- **Mining Support Tables**: The mining support tables are intermediate tables, which are used by mining package while training mining models. The names of these support tables have a prefix "DM".
- **Mining Result Tables**: Mining result tables save mined rules from trained models. These tables also save the results of applying trained models on apply data.

Figure 9-1 Oracle Airlines Data Model Mining Package Overview



9.1.2 Using the Mining Model Refresh Procedure

Overtime, customer information and customer behavior may change. Therefore, you may want to refresh trained mining models using latest customer data and usage data. By refresh training mining model, this means that re-training mining model on latest data. Re-trained mining model and older trained model are tested on latest source data and the best among them is picked. The mining model refresh process is divided into the following tasks:

- *Data Preparation*: Load and transform the data into a format, which is understood by mining algorithms. Also, user needs to prepare two sets of data, each corresponding to one of next two tasks:
  - Training Data
  - Scoring (Apply) Data
- *Training*: Recent data of customers is used as training data and an algorithm is used to train a model on chosen training data.
- *Scoring (Apply)*: Most recent data of customer is used as scoring data and trained mining model is applied on chosen scoring data to predict target variable for supervised problems and to predict groupings/rules for unsupervised problems.

To refresh all mining models based on latest customer and non frequent flyer data, call the procedure *pkg_oadm_mining.refresh_model.* This procedure performs following tasks for each model:

- Refreshes all source materialized views based on latest data from 3NF and Analytical layers tables.
- Trains each model again using the new training data. Applies newly trained mining model and older main mining model on new training data to check which model performs better. The best one of two models is picked as main mining model.
- Applies each main model on latest apply data.

The errors occurred during mining model refresh are saved into a control table, dwc_intra_etl_activity.

9.2 Oracle Airlines Data Model Mining Result Tables

The following table shows the `dwd_cust_mnng` data mining result table:

Table 9-2 dwd_cust_mnng Data Mining Result Table

Column Name	Data Type	Description
MO_CD	VARCHAR2(30)	month code, when model was trained
FF_CARD_KEY	NUMBER(38)	frequent flyer card key, to uniquely identify frequent flyer passengers
CUST_SGMNT_CD	VARCHAR2(30)	Customer segment code
CUST_LYLTY_DT_PRED	VARCHAR2(30)	Customer loyalty prediction using decision tree
CUST_LYLTY_DT_ND_NBR	VARCHAR2(30)	Customer loyalty prediction node number in tree using decision tree
CUST_LYLTY_SVM_PRED	VARCHAR2(30)	Customer loyalty prediction using support vector machine
CUST_LYLTY_SVM_PROB	NUMBER(10,8)	Customer loyalty prediction probability using support vector machine
LTV_BAND_CD	VARCHAR2(30)	Life time value band code
LTV_VALUE	NUMBER(16,2)	Life time value, it is a continuous value
LT_SRVVL_CD	VARCHAR2(30)	Life time survival value code
LT_SRVVL_VALUE	NUMBER(16,2)	Life time survival value, it is a continuous value

The following table shows the `dwr_cust_sgmnt` result table:

Table 9-3 dwr_cust_sgmnt Data Mining Result Table

Name	Type	Description
CUST_SGMNT_KEY	NUMBER(30)	Customer segmentation key, generated by a sequence
CUST_SGMNT_CD	VARCHAR2(30)	Customer segmentation code
CUST_SGMNT_NAME	VARCHAR2(50)	Customer segmentation name
CUST_SGMNT_DESC	VARCHAR2(50)	Customer segmentation description
CUST_SGMNT_PROFILE	VARCHAR2(4000)	Customer segmentation profile, formed by mean & mode values of all attributes of customers in a segment

Table 9-3 (Cont.) dwr_cust_sgmnt Data Mining Result Table

Name	Type	Description
SGMNT_DISPRSN	NUMBER(10,4)	Segment dispersion, which tells how similar the customers in a segment are.
SPRTNG_REC_CNT	NUMBER(16)	Supporting record count, which is number of customers in a segment
TREE_LVL	NUMBER(4)	Level of tree in hierarchical k-means clustering.
IS_LEAF_IND	CHAR(1)	Leaf level indicator

The following table shows the `dwd_cust_lylty_dt_rules` data mining result table:

Table 9-4 dwd_cust_lylty_dt_rules Data Mining Result Table

Name	Type	Description
MO_CD	VARCHAR2(30)	Month code, when model was trained
ANALYSIS_NAME	VARCHAR2(100)	Name of the analysis
MODEL_NAME	VARCHAR2(100)	Mining model name
RULE_ID	NUMBER(10)	Rule identifier number
PERFORMANCE_MEASURE	VARCHAR2(100)	Target measure column name
MEASURE_VALUE	VARCHAR2(100)	Target measure value
PROFILE	VARCHAR2(1000)	Profile of customer, formed by concatenating decisions at each tree node
IS_LEAF	CHAR(10)	Leaf level indicator
PREDICTION_COUNT	NUMBER(10)	Number of customers, who fall under this node, with prediction same as prediction of the node
RECORD_COUNT	NUMBER(10)	Number of customers, who fall under this node
SUPPORT	NUMBER(10,5)	Ratio of record_count to the total number of customers
CONFIDENCE	NUMBER(10,5)	Ratio of prediction_count to record_count
RULE_DISPLAY_ORDER	NUMBER(10)	Rule display order

The following table shows the `dwd_cust_lylty_svm_factor` data mining result table:

Table 9-5 dwd_cust_lylty_svm_factor Data Mining Result Table

Name	Type	Description
MO_CD	VARCHAR2(30)	Month code, when model was trained
TARGET_VALUE	VARCHAR2(100)	Target measure value
ATTRIBUTE_NAME	VARCHAR2(4000)	
ATTRIBUTE_SUBNAME	VARCHAR2(4000)	
ATTRIBUTE_VALUE	VARCHAR2(4000)	
COEFFICIENT	NUMBER	

The following table shows the `dwd_cust_ltv_dt_rules` data mining result table:

Table 9-6 dwd_cust_ltv_dt_rules Data Mining Result Table

Name	Type	Description
MO_CD	VARCHAR2(30)	
ANALYSIS_NAME	VARCHAR2(100)	Name of the analysis
MODEL_TYPE	VARCHAR2(100)	Type of mining model
MODEL_NAME	VARCHAR2(100)	Mining model name
RULE_ID	NUMBER(10)	Rule identifier number
PERFORMANCE_MEASURE	VARCHAR2(100)	Target measure column name
MEASURE_VALUE	VARCHAR2(100)	Target measure value
PROFILE	VARCHAR2(1000)	Profile of non-frequent flyer passenger, formed by concatenating decisions at each tree node
IS_LEAF	CHAR(10)	Leaf level indicator
PREDICTION_COUNT	NUMBER(10)	Number of non-frequent flyer passengers, who fall under this node, with prediction same as the prediction of the node
RECORD_COUNT	NUMBER(10)	Number of non-frequent flyer passengers, who fall under this node
SUPPORT	NUMBER(10,5)	Ratio of record_count to the total number of non-frequent flyer passengers
CONFIDENCE	NUMBER(10,5)	Ratio of prediction_count to record_count
RULE_DISPLAY_ORDER	NUMBER(10)	Rule display order

The following table shows the `dwd_cust_ltv_svm_factor` data mining result table:

Table 9-7 dwd_cust_ltv_svm_factor Data Mining Result Table

Name	Type	Description
MO_CD	VARCHAR2(30)	Month code, when model was trained
MODEL_NAME	VARCHAR2(100)	Mining model name
TARGET_COLUMN	VARCHAR2(100)	Target measure value
TARGET_COLUMN_ABBR	VARCHAR2(30)	Target measure value abbreviation
ATTRIBUTE_NAME	VARCHAR2(4000)	Customer attribute name
ATTRIBUTE_SUBNAME	VARCHAR2(4000)	Customer attribute sub name, if any.
ATTRIBUTE_VALUE	VARCHAR2(4000)	Value of Customer attribute
COEFFICIENT	NUMBER	Attribute coefficient predicted by support vector machine algorithm

The following table shows the `dwd_ffp_pred_dt_rules` data mining result table:

Table 9-8 dwd_cust_lylty_svm_factor Data Mining Result Table

Name	Type	Description
MO_CD	VARCHAR2(30)	

Table 9-8 (Cont.) dwd_cust_lylty_svm_factor Data Mining Result Table

Name	Type	Description
ANALYSIS_NAME	VARCHAR2(100)	Name of the analysis
MODEL_TYPE	VARCHAR2(100)	Type of mining model
MODEL_NAME	VARCHAR2(100)	Mining model name
RULE_ID	NUMBER(10)	Rule identifier number
PERFORMANCE_MEASURE	VARCHAR2(100)	Target measure column name
MEASURE_VALUE	VARCHAR2(100)	Target measure value
PROFILE	VARCHAR2(1000)	Profile of non-frequent flyer passenger, formed by concatenating decisions at each tree node
IS_LEAF	CHAR(10)	Leaf level indicator
PREDICTION_COUNT	NUMBER(10)	Number of non-frequent flyer passengers, who fall under this node, with prediction same as prediction of the node
RECORD_COUNT	NUMBER(10)	Number of non-frequent flyer passengers, who fall under this node
SUPPORT	NUMBER(10,5)	Ratio of record_count to the total number of non-frequent flyer passengers
CONFIDENCE	NUMBER(10,5)	Ratio of prediction_count to record_count
RULE_DISPLAY_ORDER	NUMBER(10)	Rule display order

The following table shows the `dwd_ffp_pred_svm_factor` data mining result table:

Table 9-9 dwd_ffp_pred_svm_factor Data Mining Result Table

Name	Type	Description
MO_CD	VARCHAR2(30)	Month code, when model was trained
ATTRIBUTE_NAME	VARCHAR2(4000)	non-frequent flyer passenger attribute name
ATTRIBUTE_SUBNAME	VARCHAR2(4000)	non-frequent flyer passenger attribute sub name, if any.
ATTRIBUTE_VALUE	VARCHAR2(4000)	Value of non-frequent flyer passenger attribute
COEFFICIENT	NUMBER	Attribute coefficient predicted by support vector machine algorithm

The following table shows the `dwd_non_ffp_mnng` data mining result table:

Table 9-10 dwd_non_ffp_mnng Data Mining Result Table

Name	Type	Description
MO_CD	VARCHAR2(30)	Month code, when model was trained
TRVL_DOC_NBR	VARCHAR2(30)	Travel document number, which is to be shown by passengers for identification
FST_NM	VARCHAR2(40)	non-frequent flyer passenger first name
LAST_NM	VARCHAR2(40)	non-frequent flyer passenger last name

Table 9-10 (Cont.) dwd_non_ffp_mnng Data Mining Result Table

Name	Type	Description
FFP_DT_PRED	VARCHAR2(10)	Prediction of "would be frequent flyer passengers" among non-frequent flyer passenger using decision tree
FFP_DT_ND_NBR	VARCHAR2(30)	Node number of prediction in decision tree
FFP_SVM_PRED	VARCHAR2(10)	Prediction of "would be frequent flyer passengers" among non-frequent flyer passenger using Support vector machine
FFP_SVM_PROB	NUMBER(10,8)	Prediction probability of "would be frequent flyer passengers" among non-frequent flyer passenger using support vector machine

9.3 Model 1: Customer Segmentation Analysis

The business problem is to group customers into generally homogeneous groups based on customer demographics, flown history, and so on. Business Analysts can look into each segment to further understand the customer group discovered by the model and name each segment.

The customers are clustered using Clustering algorithm - K-Means. The discovered clustering rules draw the profile of customers.

- Customer Segmentation Source (page 9-8)
- Customer Segmentation Output (page 9-10)
- Customer Segmentation Algorithm (page 9-11)

9.3.1 Customer Segmentation Source

The following table shows the columns identified from the 3NF layer (Base, Reference) and analytical layer (Derived, Reference) of data warehouse as source for K-Means model.

The following table shows the Materialized View, dmv_cust_profile_src, columns identified as input source variables for the model:

Table 9-11 Customer Segmentation Source: dmv_cust_profile_src

Column Name	Description
ff_card_key	Frequent flyer card key, a unique identifier generated by sequence
ff_nbr	Frequent flyer identification number, a business key
clndr_month_key	Calendar month key of the data collected
gndr	Gender of a frequent flyer
income_lvl	Income level of a frequent flyer
marital_sts	Marital status of a frequent flyer
edu	Education of a frequent flyer
occupation	Occupation of a frequent flyer
age	Age of a frequent flyer

Table 9-11 (Cont.) Customer Segmentation Source: dmv_cust_profile_src

Column Name	Description
card_carr	No value
carr_cd	No value
rqst_typ	Request type made by a frequent flyer
sts_cd	Status code
airl_mbshp_lvl	Airline member ship level of a frequent flyer
airl_prorty_cd	Frequent flyer airlines priority code
airl_tier_desc	Airline tier description
airl_cust_value	Airline customer value
alan_membr_lvl	No value
all_airl_prorty_cd	No value
alan_tier_desc	No value
cert_nbr	No value
alanc_cd	No value
stk_cntrl_nbr	No value
cls_bef_upgrd	Booking class of before upgrade, if there is any upgrade
miles_cr_ind	Miles indicator
city_nm	Frequent flyer city name
ctry_nm	Frequent flyer country name
cont_nm	Frequent flyer continent name
sales_chnl_id	Sales channel indicator, through which frequent flyer makes booking
tot_ernd_miles_amt	Total miles amount earned by a frequent flyer
mo_ernd_miles_amt	Miles amount earned by a frequent flyer in the "clndr_month_key"
tot_redeem_miles_amt	Total miles amount redeemed by a frequent flyer
mo_redeem_miles_amt	Miles amount redeemed by a frequent flyer in the "clndr_month_key"
tot_expired_miles_amt	Total miles amount expired of a frequent flyer
mo_expired_miles_amt	Miles amount expired of a frequent flyer in the "clndr_month_key"
tot_conf_bkgs	Total number of confirmed bookings among bookings made by a frequent flyer
mo_conf_bkgs	Number of confirmed bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_grp_bkgs	Total number of group bookings among bookings made by a frequent flyer
mo_grp_bkgs	Number of group bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_night_bkgs	Total number of night bookings among bookings made by a frequent flyer
mo_night_bkgs	Number of night bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_dead_bkgs	Total number of dead bookings among bookings made by a frequent flyer
mo_dead_bkgs	Number of dead bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_bsns_cls_bkgs	Total number of business class bookings among bookings made by a frequent flyer

Table 9-11 (Cont.) Customer Segmentation Source: dmv_cust_profile_src

Column Name	Description
mo_bsns_cls_bkgs	Number of business class bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_ecnmy_cls_bkgs	Total number of economy class bookings among bookings made by a frequent flyer
mo_ecnmy_cls_bkgs	Number of economy class bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_cdsh_bkgs	Total number of code share bookings among bookings made by a frequent flyer
mo_cdsh_bkgs	Number of code share bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_brdng_cnt	Total number of times a frequent flyer boarded flight
mo_brdng_cnt	Number of times a frequent flyer boarded flight in the "clndr_month_key"
tot_open_bkgs	Total number of open bookings among bookings made by a frequent flyer
mo_open_bkgs	Number of open bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_info_bkgs	Total number of info bookings among bookings made by a frequent flyer
mo_info_bkgs	Number of info bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_avg_days_btwn_bkg_dprtr	Total average days between booking made and departure of flight
mo_avg_days_btwn_bkg_dprtr	Average days between booking made and departure of flight in the "clndr_month_key"
tot_bkgs_at_rdy_to_leave	Total number bookings made at ready to leave by a frequent flyer
mo_bkgs_at_rdy_to_leave	Number bookings made at ready to leave by a frequent flyer in the "clndr_month_key"
tot_cpn_amt	Total coupon amount
mo_cpn_amt	Coupon amount in the "clndr_month_key"

The materialized view, `dmv_cust_profile_src` is derived from following tables:

- dwb_lylty_acct_bal_hist_h
- dwd_bkg_fact
- dwm_frequent_flyer
- dwm_clndr
- dwm_geogry
- dwc_etl_parameter

9.3.2 Customer Segmentation Output

The mined rules are saved in the following target table:

- dwr_cust_sgmnt

The scoring results are saved in the following column(s) of target table, dwd_cust_mnng:

- dwd_cust_mnng. cust_sgmnt_cd

9.3.3 Customer Segmentation Algorithm

- K-Means clustering algorithm

9.4 Model 2: Customer Loyalty Analysis

The business problem is to build a profile of customers to explain the impact of customers' characteristics on their loyalty to Airlines. Using Oracle Data Mining, the KPIs are modeled using two popular Classification Algorithms - Decision Tree (DT) and Support Vector Machines (SVM). This analysis identifies which key attributes of a customer influence his loyalty to Airlines. This model mines the various attributes of customers.

The output from the model is two fold:

- The discovered rules provide correlation between the customer loyalty to Airlines and Customer attributes.
- The prediction can be made on the current base customer's data for the next month/quarter using the model built on historical data.

- Target Variables (page 9-11)
- Customer Loyalty Source (page 9-11)
- Customer Loyalty Output (page 9-12)
- Customer Loyalty Algorithms (page 9-12)

9.4.1 Target Variables

The rules are designed to be generated monthly/quarterly. Therefore, one SVM and one DT models are created every month across all customers using the following variables as targets:

Target variable for Decision Tree (DT) is:

- Passenger Loyalty Code, `cust_lylty_cd`

Target variable for Support Vector Machines (SVM) is:

- Passenger Loyalty Code, `cust_lylty_cd`

9.4.2 Customer Loyalty Source

Customer Loyalty model use dmv_cust_loyalty_src materialized view as source. This materialized view has all columns from dmv_cust_profile_src materialized view along with the following columns:

- cust_rfmp_cd
- cust_lylty_score
- cust_lylty_cd

9.4.3 Customer Loyalty Output

The mined rules are saved in the following target table(s):

- dwd_cust_lylty_dt_rules
- dwd_cust_lylty_svm_factor

The scoring results are saved in the following column(s) of target table, dwd_cust_mnng:

- cust_lylty_dt_pred
- cust_lylty_dt_nd_nbr
- cust_lylty_svm_pred
- cust_lylty_svm_prob

9.4.4 Customer Loyalty Algorithms

- Decision Tree (DT) for classification
- Support Vector Machine (SVM) for classification.

9.5 Model 3: Customer Life Time Value Analysis

The business problem is to identify/predict the customers who are likely to represent the highest value of revenue over their life time based on criteria such as customer demographic information, flown history, and service quality and so on.

This analysis identifies which key attributes of a customer influence his or her Life Time Value. Life Time Value is a continuous value (total revenue contributed by the customer). The Life Time Value is converted into categorical values using standard binning operations. The categorical variables are modeled as a classification model to identify or predict the impact of various independent variables (attributes) on the dependent target variable (KPI - categorical). Using Oracle Data Mining (11g Release 2), the target variables, Categorical Life Time Value and Life Time Survival Value are modeled using classification algorithm, Decision Tree (DT).

The continuous Life Time Value and Life Time Survival Value are modeled as regression models using regression algorithm, for Generalized Linear Model Regression (GLMR).

The mining models are built every month using the customer latest data and the mining models are applied on current base customers' data to predict which customer is likely to represent the highest value of revenue over their life time.

The output from the model is two-fold:

- The discovered rules to outline the profile of customers who are most likely to represent the highest value of revenue over their life time.
- The prediction can be made on customer data once the model was trained.

- Target Variables (page 9-13)
- Customer Life Time Value Source (page 9-13)
- Customer Life Time Value Output (page 9-13)

- Customer Life Time Value Algorithm (page 9-13)

9.5.1 Target Variables

The rules are designed to be generated monthly. Therefore, two GLMR and two DT models are created every month across all the customers using the following variables as targets:

Target variables for Decision Tree (DT) are:

- Life Time Value Code, cust_ltv_bnd
- Life Time Survival Value Code

Target variables for Generalized Linear Model Regression (GLMR) are:

- Life Time Value, tot_cpn_amt
- Life Time Survival Value

9.5.2 Customer Life Time Value Source

Customer Loyalty model use dmv_cust_ltv_src materialized view as source. This materialized has all columns from dmv_cust_profile_src materialized view along with the following column(s):

- cust_ltv_bnd

9.5.3 Customer Life Time Value Output

The mined rules are saved into the following target table(s):

- dwd_cust_ltv_dt_rules
- dwd_cust_ltv_svm_factor

The scoring results are saved in the following column(s) of target table, dwd_cust_mnng:

- ltv_band_cd
- ltv_value
- lt_srvvl_cd
- lt_srvvl_value

9.5.4 Customer Life Time Value Algorithm

- Decision Tree (DT) for classification
- Generalized Linear Model Regression (GLMR) for regression

9.6 Model 4: Frequent Flyer Passenger Prediction

The business problem is identify/predict the Non-FFP (Non Frequent Flyer Passengers) passengers who are likely to become FFP passenger based on their demographic attributes, flight usage, revenue per user, and so on.

This analysis also identifies which key attributes of a Non-FFP passenger are important in predicting whether Non-FFP passenger would likely to become FFP. The training data would be a mix of Non-FFP passengers and FFP passengers. FFP passengers are those who became FFP from Non-FFP in the last 1 year time period. The target variable is FFP_IND; it is 1 for FFP passengers and 0 for Non-FFP passengers. The target variable FFP_IND is modeled using classification algorithms, Support Vector Machines (SVM) and Decision Tree (DT).

The two mining models are built every month using latest FFP and Non-FFP data and the mining models are applied on current Non-FFP passengers to predict who would likely to become FFP passenger.

The output from the model is two-fold:

- The discovered rules outline the profile of Non-FFP passengers who would likely to become FFP.
- The prediction can be made on current Non-FFP passengers once the model was trained.

9.6.1 Target Variables

The rules are designed to be generated monthly. Therefore, one SVM and one DT models are created every month using the following variable as target:

- Frequent Flyer Passenger Indicator, ff_ind

9.6.2 Non-Frequent Flyer Passenger Source

The following table shows the columns identified from the 3NF layer (Base, Reference) and analytical layer (Derived, Reference) of data warehouse as source for K-Means model.

The following table shows the Materialized View: `dmv_ffp_pred_src`, columns identified as input source variables for the model:

Table 9-12 Frequent Flyer Passenger Prediction Source: dmv_ffp_pred_src

Column Name	Description
case_id	Unique identifier
trvl_doc_typ	Travel document type
trvl_doc_nbr	Travel document number, which is to be shown by passengers for identification
ff_nbr	Frequent flyer number, a business key
idfn_cd	Identification code
pax_typ	Passenger type
typ_cd	Type code
gndr	Gender of a passenger

Table 9-12 (Cont.) Frequent Flyer Passenger Prediction Source: dmv_ffp_pred_src

Column Name	Description
age	age of a passenger
curr_sts	Current status of a passenger
ff_ind	Frequent flyer indicator, it is 1 for passengers who are ffps now, but were non-ffps in past, 0 for current non-ffps
clndr_month_key	Calendar month key of the data collected
sales_chnl_id	Sales channel indicator, through which passenger makes booking
tot_conf_bkgs	Total number of confirmed bookings among bookings made by a frequent flyer
mo_conf_bkgs	number of confirmed bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_grp_bkgs	Total number of group bookings among bookings made by a frequent flyer
mo_grp_bkgs	number of group bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_night_bkgs	Total number of night bookings among bookings made by a frequent flyer
mo_night_bkgs	number of night bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_dead_bkgs	Total number of dead bookings among bookings made by a frequent flyer
mo_dead_bkgs	number of dead bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_bsns_cls_bkgs	Total number of business class bookings among bookings made by a frequent flyer
mo_bsns_cls_bkgs	number of business class bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_ecnmy_cls_bkgs	Total number of economy class bookings among bookings made by a frequent flyer
mo_ecnmy_cls_bkgs	number of economy class bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_cdsh_bkgs	Total number of code share bookings among bookings made by a frequent flyer
mo_cdsh_bkgs	number of code share bookings among bookings made by a frequent flyer in the "clndr_month_key"
tot_avg_days_btwn_bkg_dprtr	Total average days between booking made and departure of flight
mo_avg_days_btwn_bkg_dprtr	average days between booking made and departure of flight in the "clndr_month_key"
tot_bkgs_at_rdy_to_leave	Total number bookings made at ready to leave by a frequent flyer
mo_bkgs_at_rdy_to_leave	number bookings made at ready to leave by a frequent flyer in the "clndr_month_key"
tot_cpn_amt	Total coupon amount
mo_cpn_amt	Coupon amount in the "clndr_month_key"

9.6.3 Non-Frequent Flyer Passenger Output

The mined rules are saved in the following target table(s):

- dwd_ffp_pred_dt_rules
- dwd_ffp_pred_svm_factor

The scoring results are saved in the following column(s) of target table, dwd_non_ffp_mnng:

- ffp_dt_pred
- ffp_dt_nd_nbr
- ffp_svm_pred
- ffp_svm_prob

9.6.4 Non-Frequent Flyer Passenger Algorithm

- Decision Tree (DT) for classification
- Support Vector Machine (SVM) for classification

10
Oracle Airlines Data Model Utility Scripts

Describes the Oracle Airlines Data Model utility scripts.

10.1 Calendar Population

The Calendar population scripts consist of two one-time installation packages.

10.1.1 Calendar Population Scripts

The Calendar population scripts include the following packages:

- `calendar_population_header.sql`
- `calendar_population_body.sql`

Running these packages does the following:

1. Prepares necessary changes for the `oadm_sys` schema.
2. Creates the Calendar_Population package that contains the following procedures:
   - RUN(*in_setup_start_date*, *in_setup_no_years*) is the main procedure to populate everything about calendar.
   - RBIW_Base_Time_Tables_ddl creates the base table needed to support multiple hierarchies: Business or Calendar.
   - RBIW_Populate_Time_Hier_Bsns(*in_setup_start_date*, *in_setup_no_years*) sets up the data in base table for the Business hierarchy as specified in setup or install section.
   - RBIW_Populate_Time_Hier_Clndr(*in_setup_start_date*, *in_setup_no_years*) sets up the data in base table for the Calendar hierarchy as specified in setup or install section.
   - RBIW_Time_hier_Star sets up the Time hierarchy reporting layer tables.
   - RBIW_Time_Views sets up the Time hierarchy reporting layer views, star and hybrid snowflake views.
   - RBIW_Populate_Time_Transform populates the Time transformation tables using the base Time tables or views created above. It populates transformation data for both hierarchies: Business and Calendar.

10.1.2 How to Populate Calendar Data

To populate calendar data:

1. Log in to `OADM_SYS` user.
2. Execute the following SQL statement:

   ```
   exec Calendar_Population.run(date,num_years);
   ```

   where, *date* is the start date with which you want to populate calendar data. It is of type CHAR and should be input in the format 'YYYY-MM-DD' (for example,'2005-05-18'). *num_years* is the number of years to populate calendar data, which should be INTEGER.

11

Oracle Airlines Data Model Sample Reports

Provides Oracle Airlines Data Model sample reports.

> **Note:**
>
> The reports and dashboards shown in the examples in this chapter and delivered with Oracle Airlines Data Model are provided only for demonstration purposes. These sample reports and dashboards are not supported by Oracle.

11.1 Agent Performance Analysis

The Agent Performance Analysis reports include the following areas:

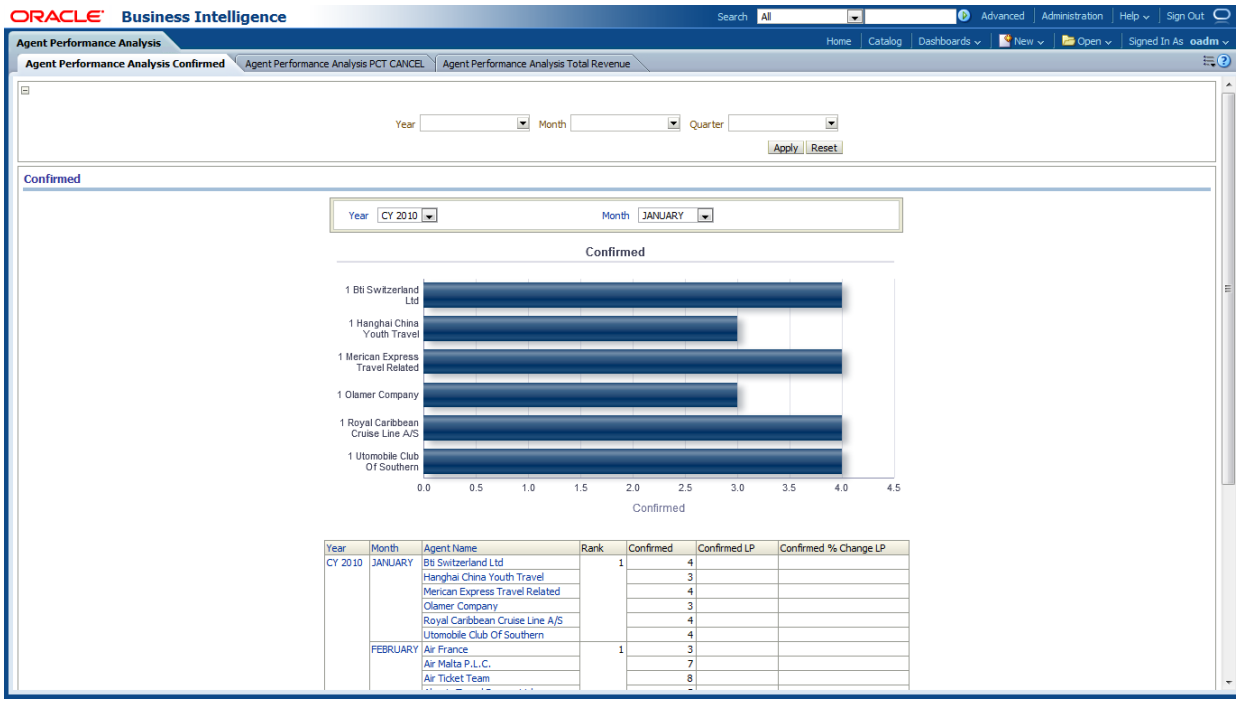
11.1.1 Agent Performance Analysis Confirmed

This report, as shown in Figure 11-1 (page 11-2) provides the current year month-level agent performance analysis confirmed for each agent along with their rank. The report also shows the metrics such as Confirmed LP, Confirmed % Change LP of sales revenue.

Report dimensions are:

- Time

Figure 11-1 Agent Performance Analysis Confirmed



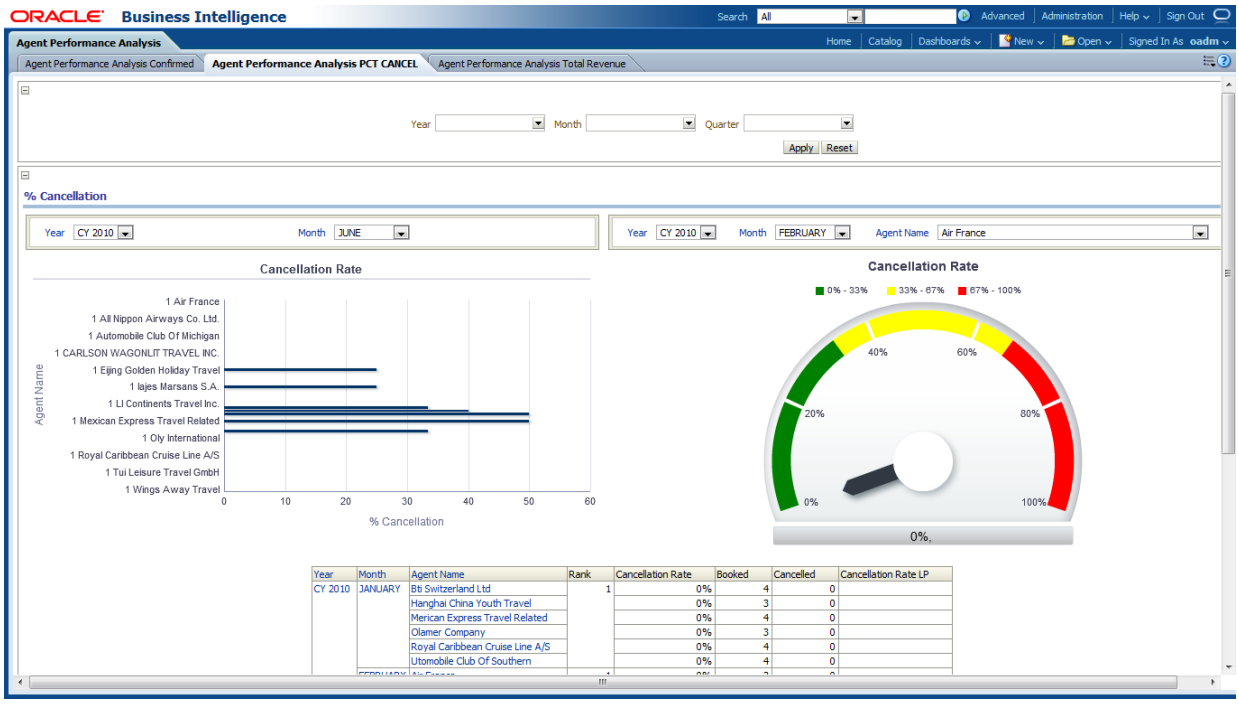
11.1.2 Agent Performance Analysis PCT CANCEL

This report, as shown in Figure 11-2 (page 11-3) provides the cancelation rate out of total bookings at month level for agents, along with their ranks. The report includes metrics such as LP for the cancelation rate.

Report dimensions are:

- Time

Figure 11-2 Agent Performance Analysis PCT CANCEL



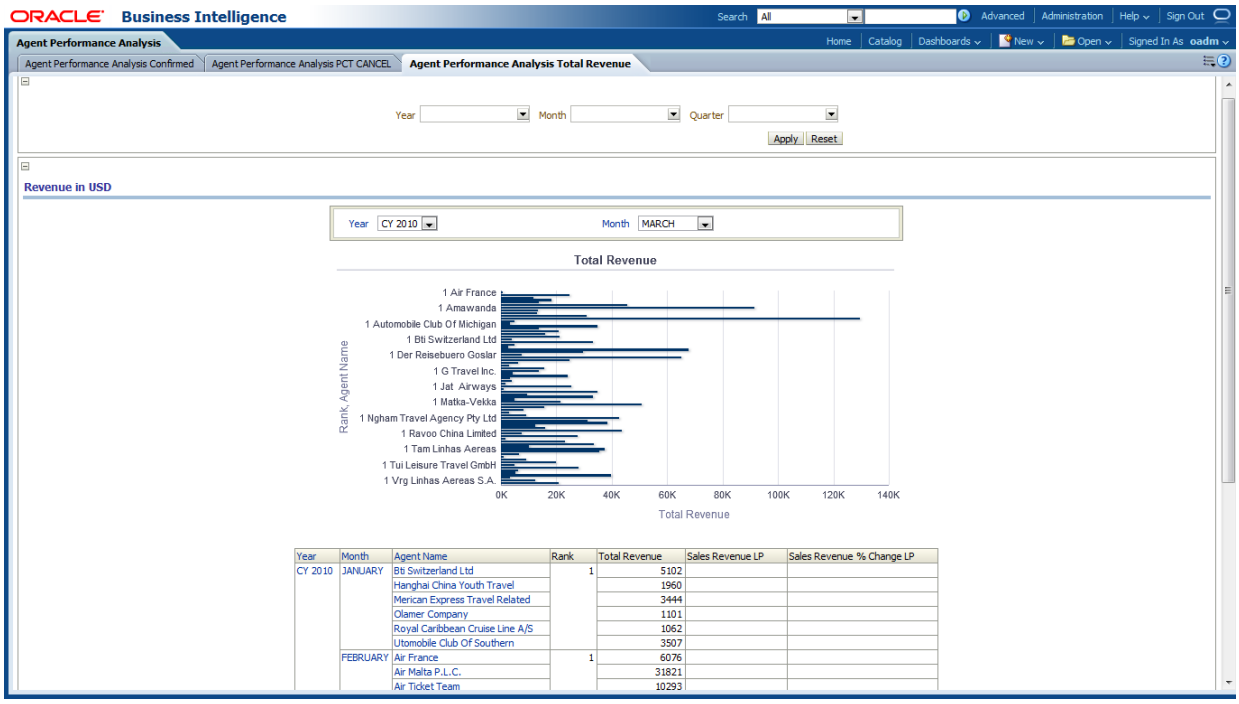
11.1.3 Agent Performance Analysis Total Revenue

This report, as shown in Figure 11-3 (page 11-4), provides the current year month-level total revenue basing on agent performance for each agent. The report shows the ranks of agents according to their revenue. The report also shows the metrics such as LP and % Change LP of sales revenue.

Report dimensions are:

- Time

Figure 11-3 Agent Performance Analysis Total Revenue



11.2 Booking Analysis

The Booking Analysis reports include the following areas:

- Agent Booking Analysis (page 11-4)
- Booking Segment Analysis (page 11-5)
- Daily Booking Analysis (page 11-6)
- Flight booking Analysis (page 11-7)
- Group Booking Analysis (page 11-8)
- Monthly Booking Analysis (page 11-9)
- Quarterly Booking Analysis (page 11-10)
- Service Class Analysis (page 11-11)
- Weekly Booking Analysis (page 11-12)

11.2.1 Agent Booking Analysis

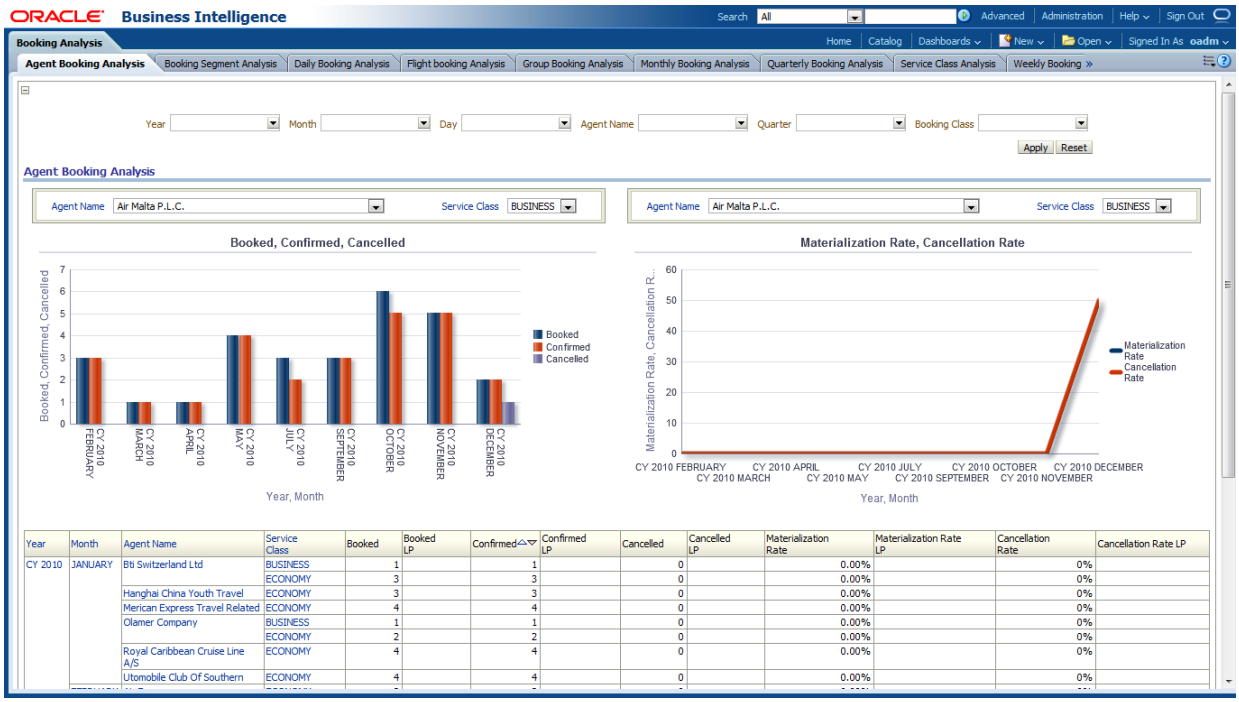
This report, as shown in Figure 11-4 (page 11-5) provides the year wise month level agent booking analysis. The report provides information on the number of booked tickets, confirmed tickets, and canceled tickets out of the booked and what is the materialization rate, along with the metrics LP, % Change LP for booked, canceled, confirmed, and the materialization rate and cancellation rate.

Report dimensions are:

- Time

- Agent Name
- Booking Class

Figure 11-4 Agent Booking Analysis



Year	Month	Agent Name	Service Class	Booked	Booked LP	Confirmed	Confirmed LP	Cancelled	Cancelled LP	Materialization Rate	Materialization Rate LP	Cancellation Rate	Cancellation Rate LP
CY 2010	JANUARY	Bti Switzerland Ltd	BUSINESS	1		1		0		0.00%		0%	
			ECONOMY	3		3		0		0.00%		0%	
		Hanghai China Youth Travel	ECONOMY	3		3		0		0.00%		0%	
		Merican Express Travel Related	ECONOMY	4		4		0		0.00%		0%	
		Olamer Company	BUSINESS	1		1		0		0.00%		0%	
			ECONOMY	2		2		0		0.00%		0%	
		Royal Caribbean Cruise Line A/S	ECONOMY	4		4		0		0.00%		0%	
		Utomobile Club Of Southern	ECONOMY	4		4		0		0.00%		0%	

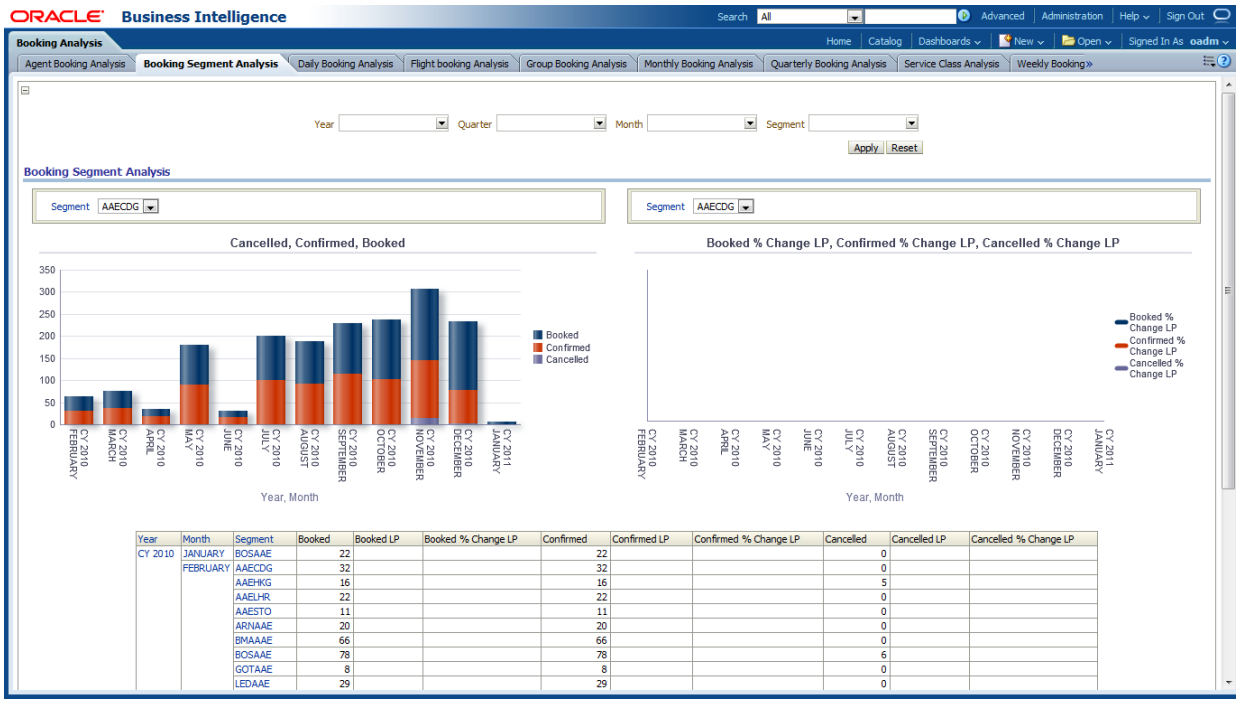
11.2.2 Booking Segment Analysis

This report, as shown in Figure 11-5 (page 11-6) provides the statistics for booking segment along with the booked tickets count, confirmed count and canceled count out of the booked at month level. The report also shows metrics such as LP, % Change LP for the booked, confirmed and canceled bookings.

Report dimensions are:

- Time
- Segment

Figure 11-5 Booking Segment Analysis



Year	Month	Segment	Booked	Booked LP	Booked % Change LP	Confirmed	Confirmed LP	Confirmed % Change LP	Cancelled	Cancelled LP	Cancelled % Change LP
CY 2010	JANUARY	BOSAAE	22			22			0		
	FEBRUARY	AAECDG	32			32			0		
		AAEHKG	16			16			5		
		AAELHR	22			22			0		
		AAESTO	11			11			0		
		ARNAAE	20			20			0		
		BMAAAE	66			66			0		
		BOSAAE	78			78			6		
		GOTAAE	8			8			0		
		LEDAAE	29			29			0		

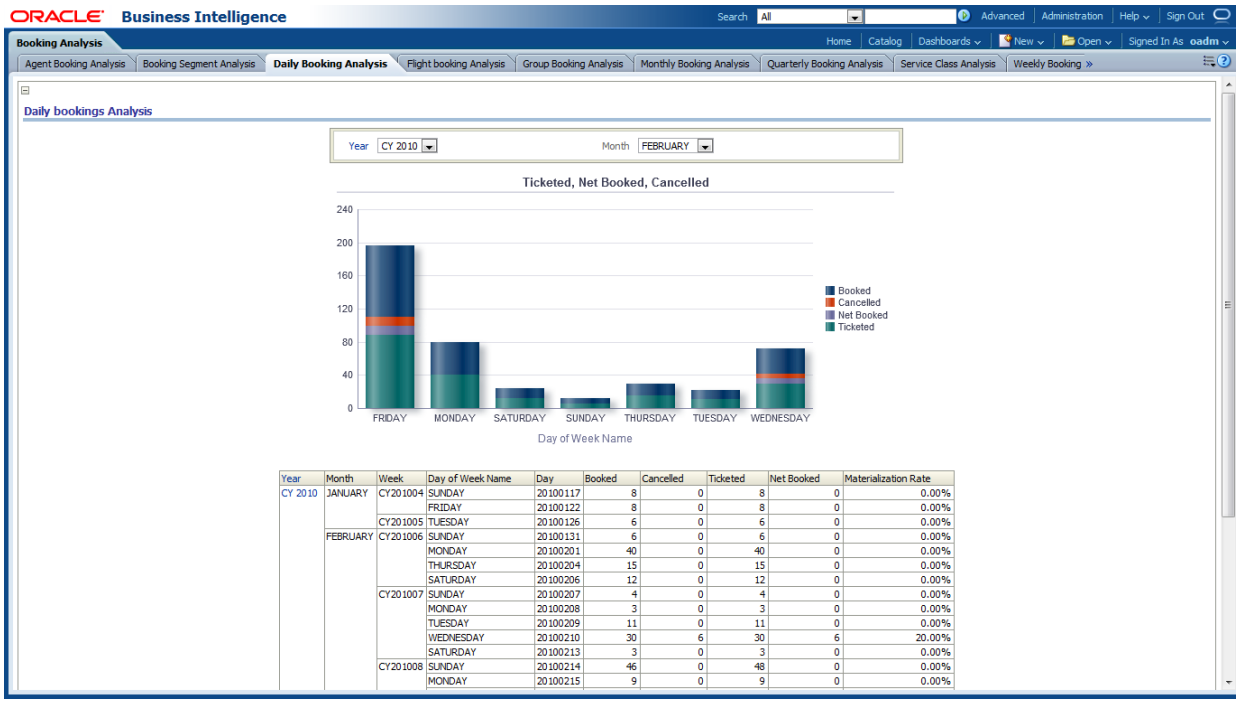
11.2.3 Daily Booking Analysis

This report, as shown in Figure 11-6 (page 11-7) provides the current year day level booking analysis of tickets. The statistics are also for how many are canceled, ticketed, net booked and materialization rate for the booked tickets.

Report dimensions are:

- Time

Figure 11-6 Daily Booking Analysis



Year	Month	Week	Day of Week Name	Day	Booked	Cancelled	Ticketed	Net Booked	Materialization Rate
CY 2010	JANUARY	CY201004	SUNDAY	20100117	8	0	8	0	0.00%
			FRIDAY	20100122	8	0	8	0	0.00%
		CY201005	TUESDAY	20100126	6	0	6	0	0.00%
	FEBRUARY	CY201006	SUNDAY	20100131	6	0	6	0	0.00%
			MONDAY	20100201	40	0	40	0	0.00%
			THURSDAY	20100204	15	0	15	0	0.00%
			SATURDAY	20100206	12	0	12	0	0.00%
		CY201007	SUNDAY	20100207	4	0	4	0	0.00%
			MONDAY	20100208	3	0	3	0	0.00%
			TUESDAY	20100209	11	0	11	0	0.00%
			WEDNESDAY	20100210	30	6	30	6	20.00%
			SATURDAY	20100213	3	0	3	0	0.00%
		CY201008	SUNDAY	20100214	46	0	48	0	0.00%
			MONDAY	20100215	9	0	9	0	0.00%

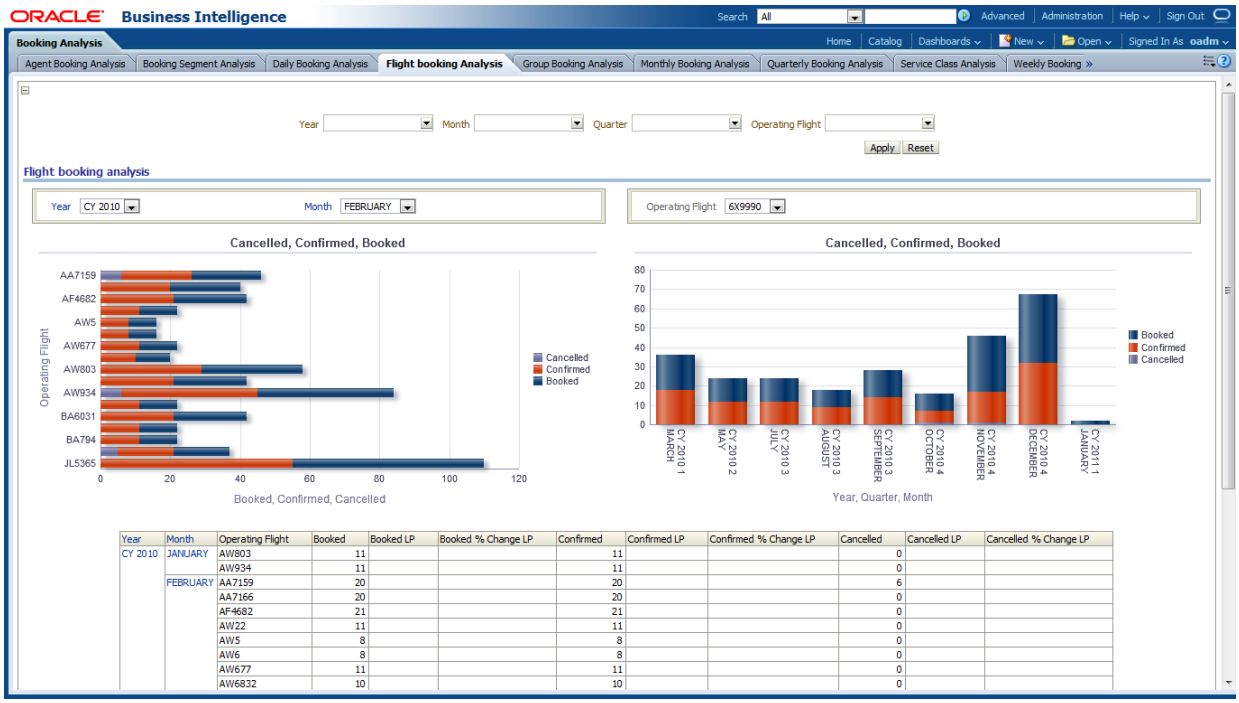
11.2.4 Flight booking Analysis

This report, as shown in Figure 11-7 (page 11-8) provides the current year month-level flight bookings for the operating flights. The report also shows how many tickets are booked and how many are confirmed and canceled out of the booked. The report includes the metrics LP, % Change LP on Booked, Confirmed and Canceled.

Report dimensions are:

- Time
- Operating Flight

Figure 11-7 Flight booking Analysis



Year	Month	Operating Flight	Booked	Booked LP	Booked % Change LP	Confirmed	Confirmed LP	Confirmed % Change LP	Cancelled	Cancelled LP	Cancelled % Change LP
CY 2010	JANUARY	AW803	11			11			0		
		AW934	11			11			0		
	FEBRUARY	AA7159	20			20			6		
		AA7166	20			20			0		
		AF4682	21			21			0		
		AW22	11			11			0		
		AW5	8			8			0		
		AW6	8			8			0		
		AW677	11			11			0		
		AW6832	10			10			0		

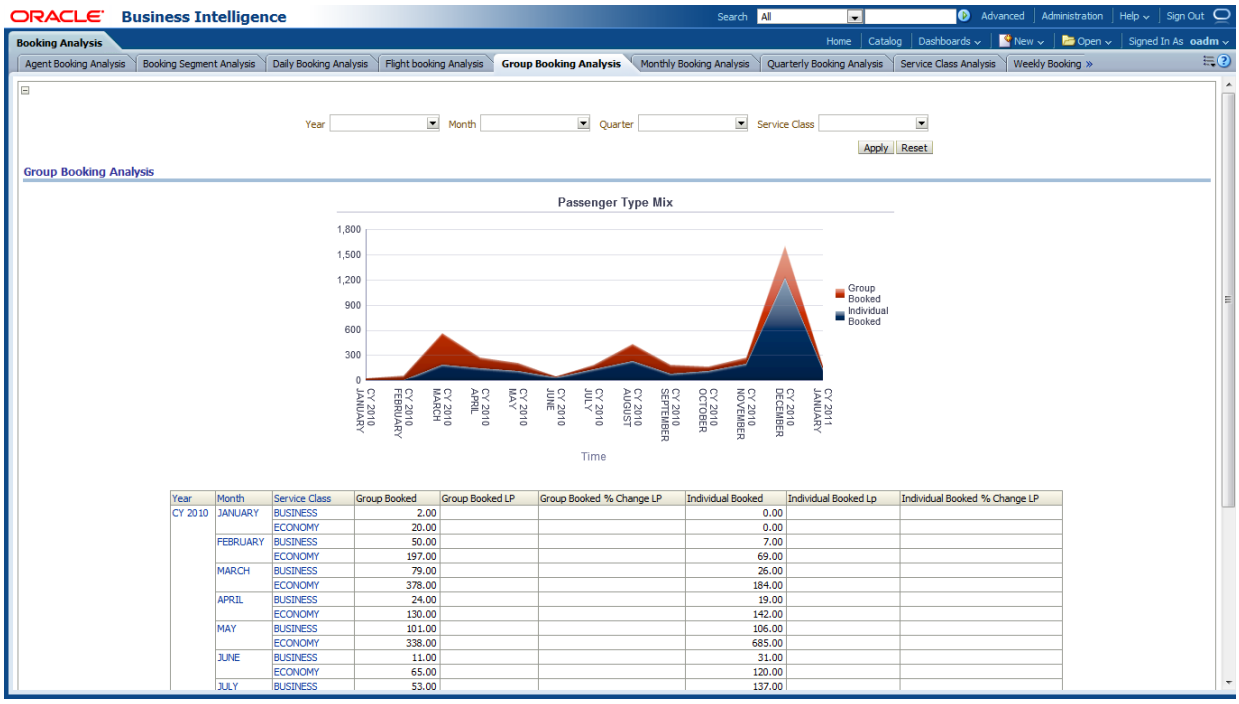
11.2.5 Group Booking Analysis

This report, as shown in Figure 11-8 (page 11-9) provides the booking of tickets in groups at month level for different service classes. The report also includes information on individual booked tickets. The report shows metrics, including LP and % Change LP for group booked and individual booked.

Report dimensions are:

- Time
- Service Class

Figure 11-8 Group Booking Analysis

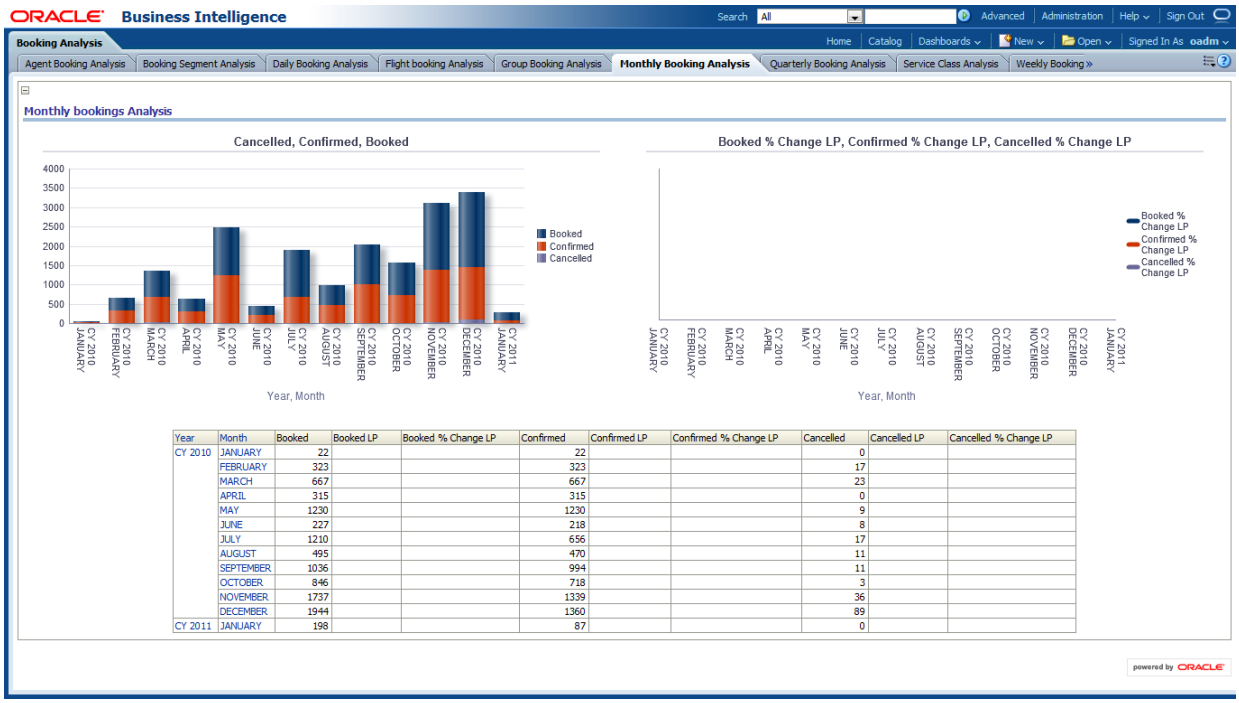


Year	Month	Service Class	Group Booked	Group Booked LP	Group Booked % Change LP	Individual Booked	Individual Booked Lp	Individual Booked % Change LP
CY 2010	JANUARY	BUSINESS	2.00			0.00		
		ECONOMY	20.00			0.00		
	FEBRUARY	BUSINESS	50.00			7.00		
		ECONOMY	197.00			69.00		
	MARCH	BUSINESS	79.00			26.00		
		ECONOMY	378.00			184.00		
	APRIL	BUSINESS	24.00			19.00		
		ECONOMY	130.00			142.00		
	MAY	BUSINESS	101.00			106.00		
		ECONOMY	338.00			685.00		
	JUNE	BUSINESS	11.00			31.00		
		ECONOMY	65.00			120.00		
	JULY	BUSINESS	53.00			137.00		

11.2.6 Monthly Booking Analysis

This report, as shown in Figure 11-9 (page 11-10) provides the monthly booking analysis of the tickets. The statistics for booked, confirmed, and canceled are shown. The report also shows metrics such as LP, % Change LP for booked, and confirmed and canceled tickets.

Figure 11-9 Monthly Booking Analysis



Year	Month	Booked	Booked LP	Booked % Change LP	Confirmed	Confirmed LP	Confirmed % Change LP	Cancelled	Cancelled LP	Cancelled % Change LP
CY 2010	JANUARY	22			22			0		
	FEBRUARY	323			323			17		
	MARCH	667			667			23		
	APRIL	315			315			0		
	MAY	1230			1230			9		
	JUNE	227			218			8		
	JULY	1210			656			17		
	AUGUST	495			470			11		
	SEPTEMBER	1036			994			11		
	OCTOBER	846			718			3		
	NOVEMBER	1737			1339			36		
	DECEMBER	1944			1360			89		
CY 2011	JANUARY	198			87			0		

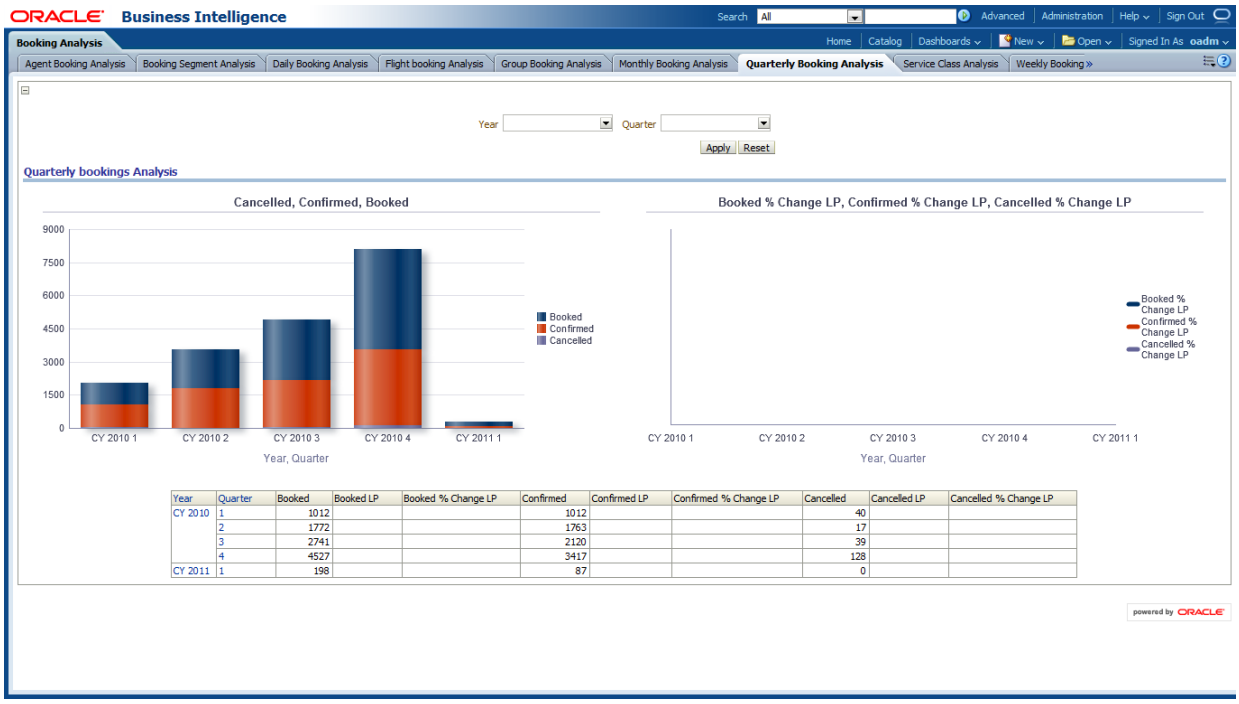
11.2.7 Quarterly Booking Analysis

This report, as shown in Figure 11-10 (page 11-11) provides the current year quarter level booking analysis so that you can understand which quarter has the most bookings and least bookings. The statistics on booked tickets, confirmed, and canceled tickets out of the booked tickets are shown. The metrics such as LP, % Change LP or shown for the booked, confirmed and canceled tickets.

Report dimensions are:

- Time

Figure 11-10 Quarterly Booking Analysis



Year	Quarter	Booked	Booked LP	Booked % Change LP	Confirmed	Confirmed LP	Confirmed % Change LP	Cancelled	Cancelled LP	Cancelled % Change LP
CY 2010	1	1012			1012			40		
	2	1772			1763			17		
	3	2741			2120			39		
	4	4527			3417			128		
CY 2011	1	198			87			0		

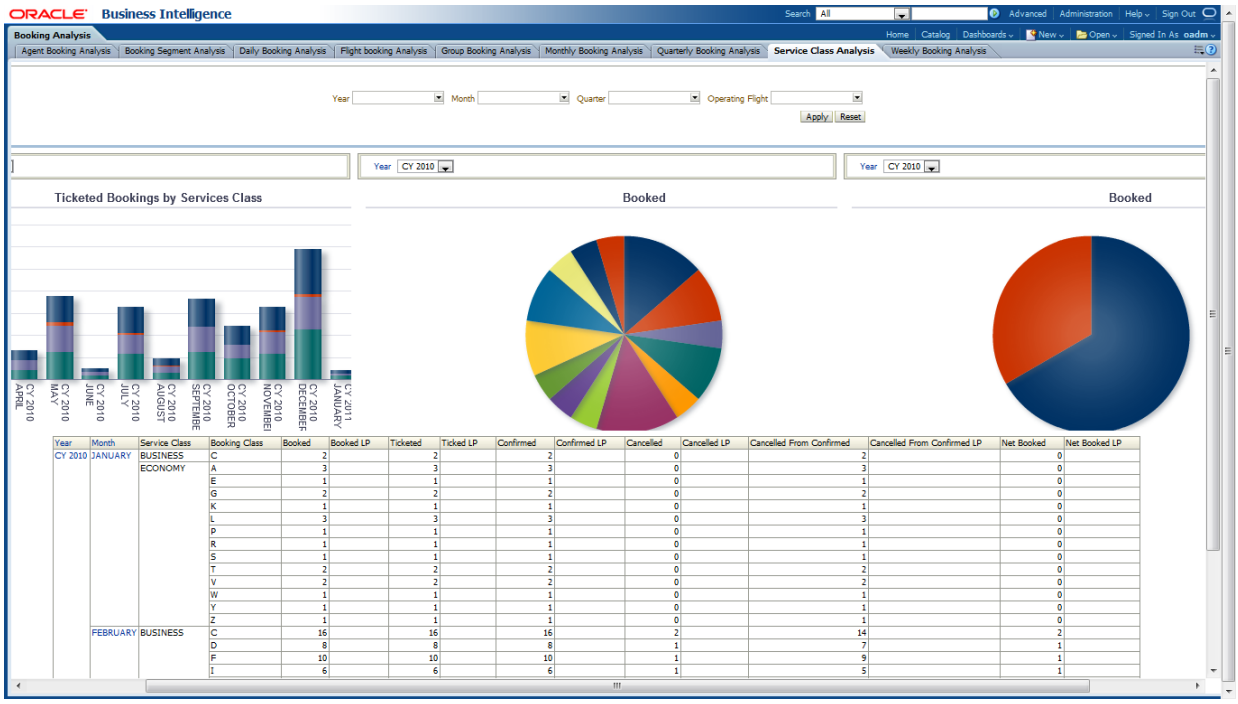
11.2.8 Service Class Analysis

This report, as shown in Figure 11-11 (page 11-12) provides the analysis on service class at the month level so that you can see which class is most popular. This understanding can be obtained from the information provided in booked, confirmed, canceled, canceled from conformed, net confirmed for the service class. You can also obtain information on metrics such as LP, % Change LP.

Report dimensions are:

- Time
- Operating Flight

Figure 11-11 Service Class Analysis



Year	Month	Service Class	Booking Class	Booked	Booked LP	Ticketed	Ticked LP	Confirmed	Confirmed LP	Cancelled	Cancelled LP	Cancelled From Confirmed	Cancelled From Confirmed LP	Net Booked	Net Booked LP
CY 2010	JANUARY	BUSINESS	C	2		2		2		0		2		0	
		ECONOMY	A	3		3		3		0		3		0	
			E	1		1		1		0		1		0	
			G	2		2		2		0		2		0	
			K	1		1		1		0		1		0	
			L	3		3		3		0		3		0	
			P	1		1		1		0		1		0	
			R	1		1		1		0		1		0	
			S	1		1		1		0		1		0	
			T	2		2		2		0		2		0	
			V	2		2		2		0		2		0	
			W	1		1		1		0		1		0	
			Y	1		1		1		0		1		0	
			Z	1		1		1		0		1		0	
	FEBRUARY	BUSINESS	C	16		16		16		2		14		2	
			D	8		8		8		1		7		1	
			F	10		10		10		1		9		1	
			I	6		6		6		1		5		1	

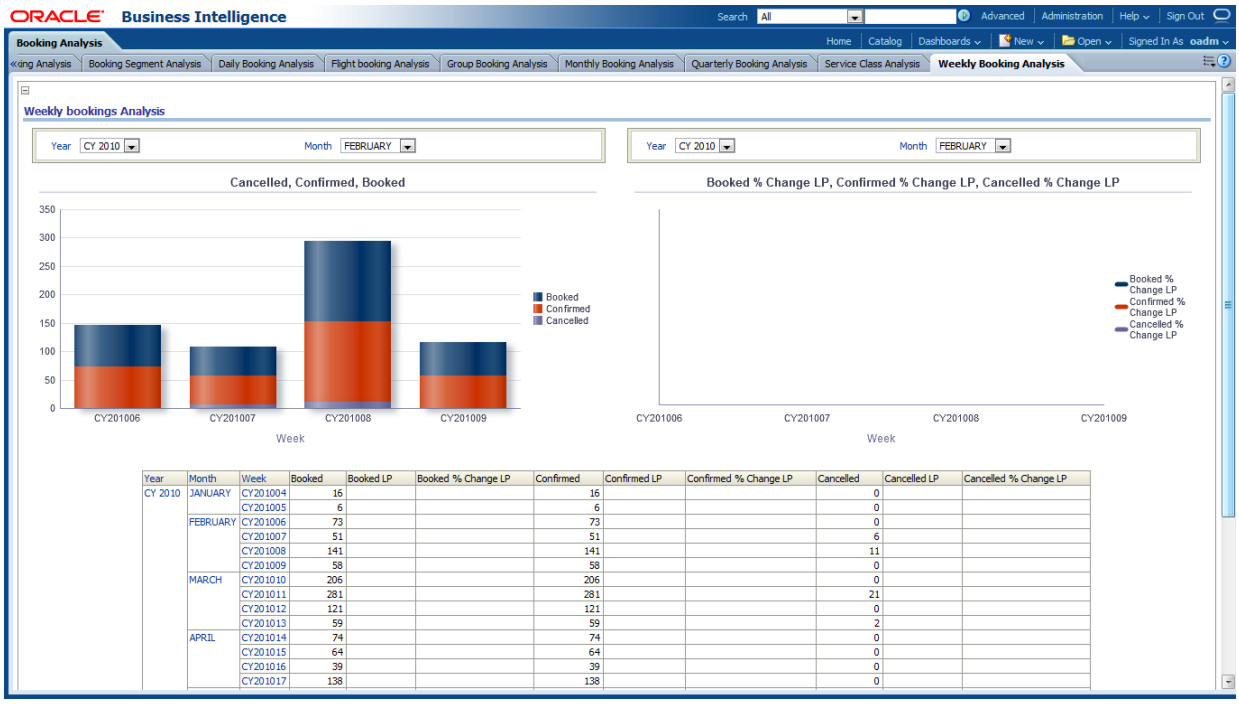
11.2.9 Weekly Booking Analysis

This report, as shown in Figure 11-12 (page 11-13) provides the weekly booking analysis of tickets. The report includes information on how many tickets are booked, confirmed and canceled out of the booked at the week level. The metrics LP, % Change LP are also provided.

Report dimensions are:

- Time

Figure 11-12 Weekly Booking Analysis



Year	Month	Week	Booked	Booked LP	Booked % Change LP	Confirmed	Confirmed LP	Confirmed % Change LP	Cancelled	Cancelled LP	Cancelled % Change LP
CY 2010	JANUARY	CY201004	16			16			0		
		CY201005	6			6			0		
	FEBRUARY	CY201006	73			73			0		
		CY201007	51			51			6		
		CY201008	141			141			11		
		CY201009	58			58			0		
	MARCH	CY201010	206			206			0		
		CY201011	281			281			21		
		CY201012	121			121			0		
		CY201013	59			59			2		
	APRIL	CY201014	74			74			0		
		CY201015	64			64			0		
		CY201016	39			39			0		
		CY201017	138			138			0		

11.3 Channel Performance Analysis

The Channel Performance Analysis reports include the following areas:

- Agent Booking Analysis (page 11-13)
- Sales Channel Performance Analysis (page 11-14)

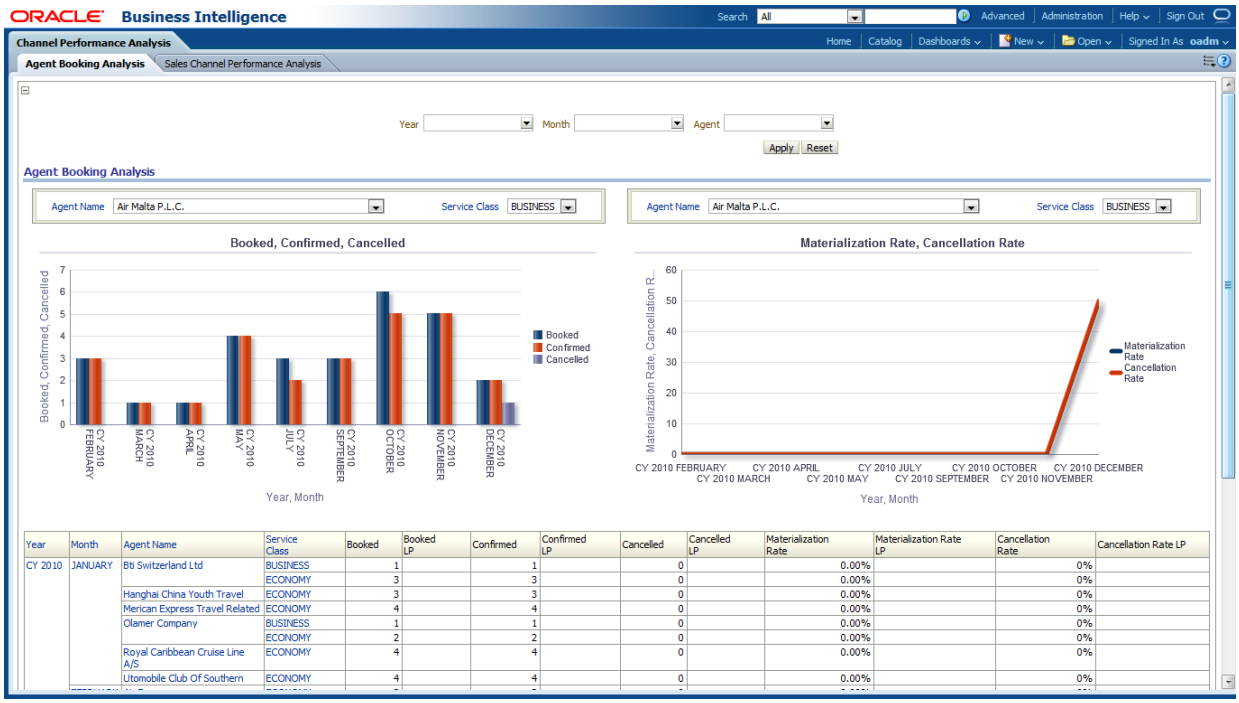
11.3.1 Agent Booking Analysis

This report, as shown in Figure 11-13 (page 11-14) provides the booking analysis for agents. The report shows information on which service class is booked by an agent, and how many bookings are confirmed and canceled, and what is the materialization rate.

Report dimensions are:

- Time
- Agent

Figure 11-13 Agent Booking Analysis



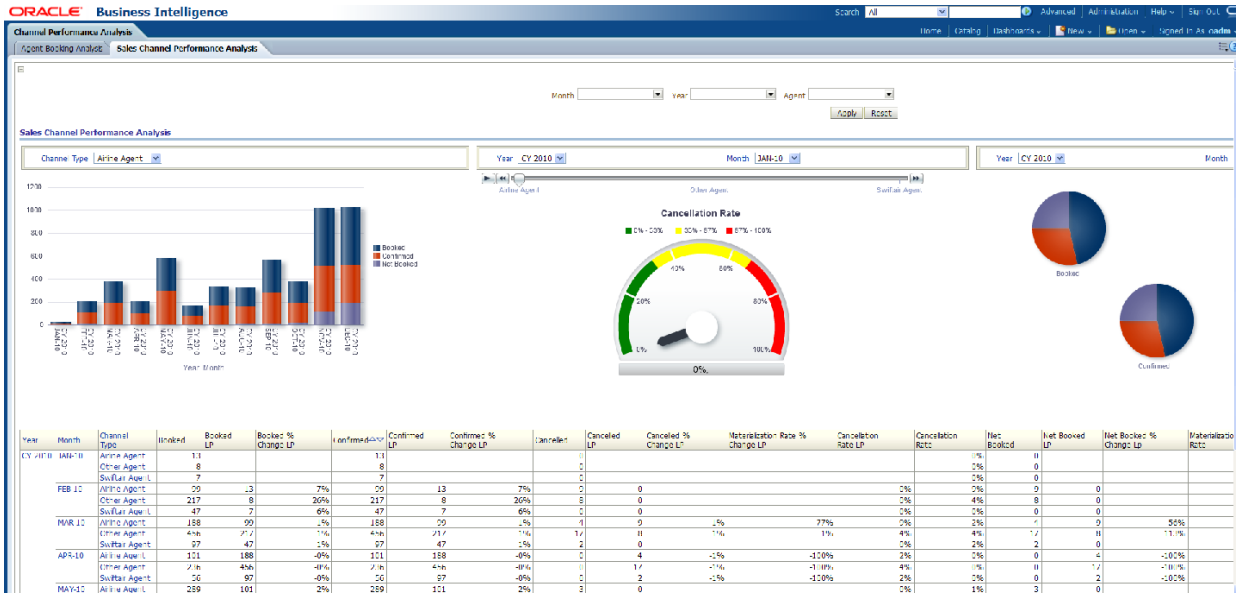
11.3.2 Sales Channel Performance Analysis

This report, as shown in Figure 11-14 (page 11-15) provides the sales channel performance analysis.

Report dimensions are:

- Time
- Agent

Figure 11-14 Sales Channel Performance Analysis



11.4 Revenue Analysis

The Revenue Analysis reports include the following areas:

- Agent Revenue Analysis in USD (page 11-15)
- Booking Class Revenue Analysis in USD (page 11-16)
- Channel Revenue Analysis in USD (page 11-17)
- Flight Revenue Analysis in USD (page 11-18)
- Flown Revenue Per Sales Region (page 11-18)
- Flown Revenue per Sales Region and Service Class (page 11-19)
- Sales: Net Revenue Flown Channel Bottom 10 (page 11-20)
- Sales - Net Revenue Flown Channel Top 10 (page 11-21)
- Sales - Net Revenue Flown Bottom 10 Countries (Flop 10) (page 11-21)
- Sales - Net Revenue Flown Top 10 Countries (page 11-22)
- Sales - Net Revenue Per Agency - Top 10 Revenue (page 11-23)
- Segment Revenue Analysis in USD (page 11-23)
- Service Class Revenue Analysis in USD (page 11-24)

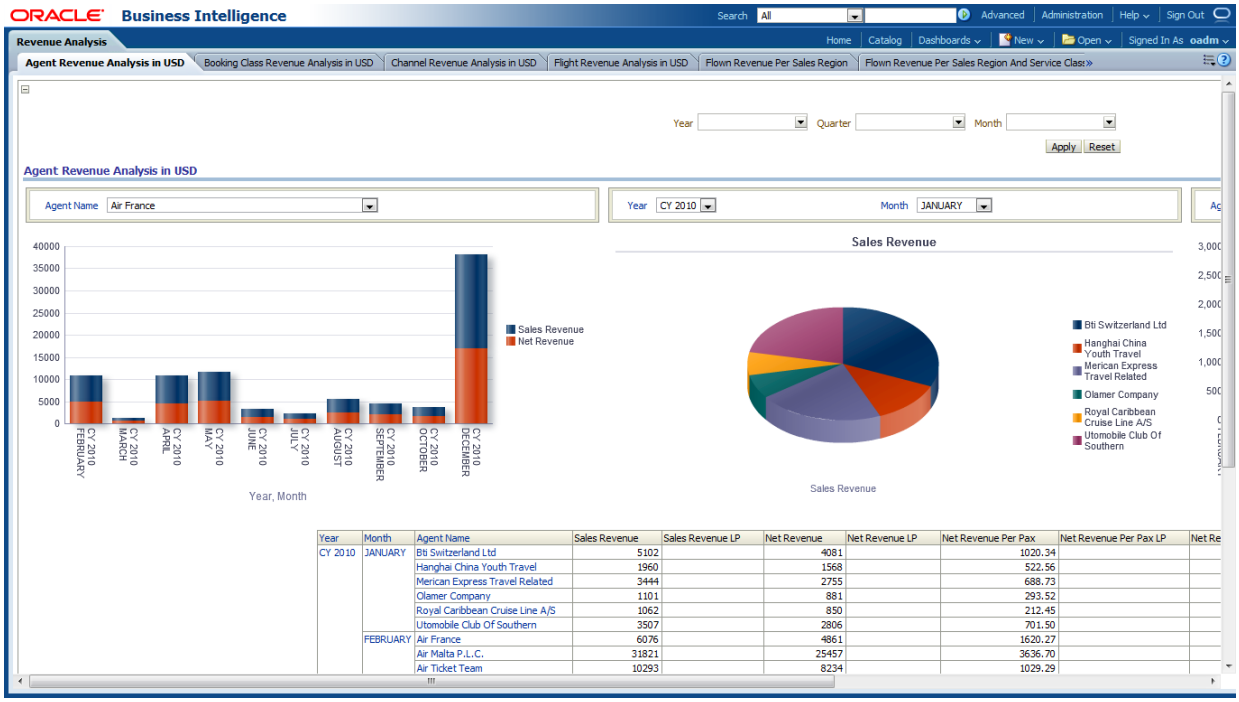
11.4.1 Agent Revenue Analysis in USD

This report, as shown in Figure 11-15 (page 11-16) provides the revenue analysis in terms of USD among the agents at the month level. This report provides information that enables you to determine agents that are performing well. The report also provides information on sales revenue, net revenue, and the LP, and % Change LP metrics.

Report dimensions are:

- Time

Figure 11-15 Agent Revenue Analysis in USD



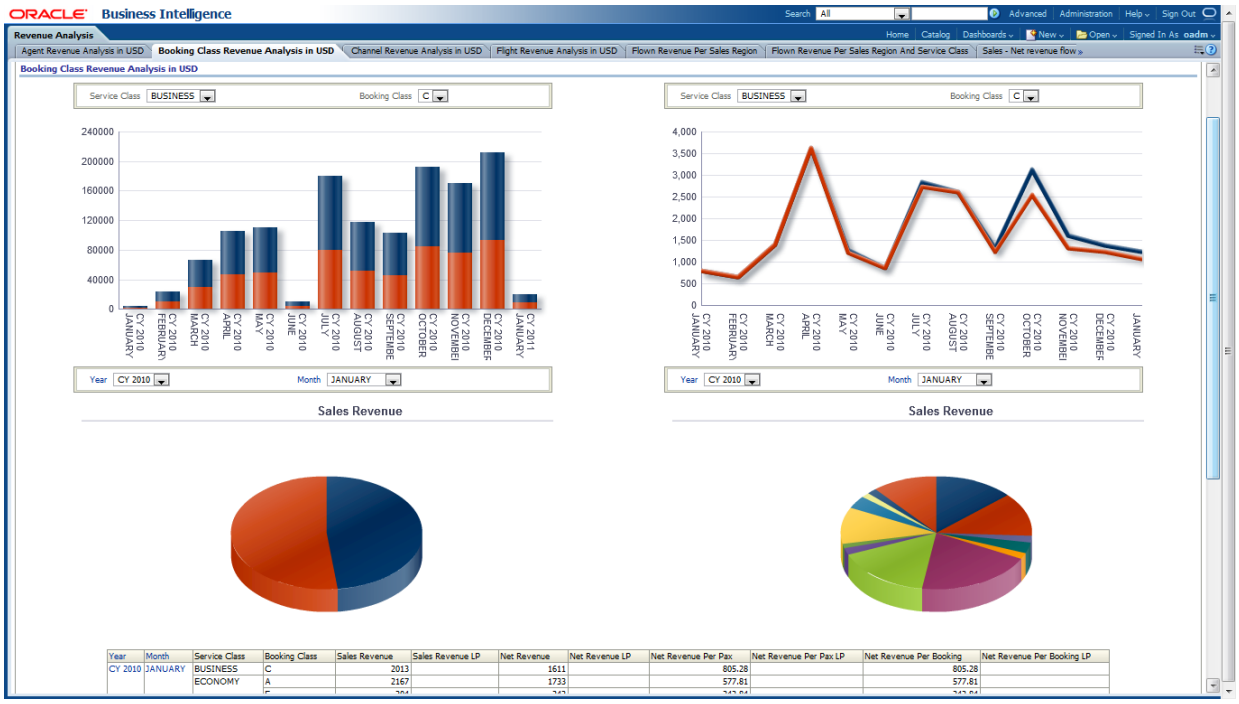
11.4.2 Booking Class Revenue Analysis in USD

This report, as shown in Figure 11-16 (page 11-17) provides the revenue analysis for booking class in USD. This provides information so that you can determine which booking class is well used under which service class. The report also provides metrics for net revenue, sales revenue, LP, and % Change LP metrics.

Report dimensions are:

- Time

Figure 11-16 Booking Class Revenue Analysis in USD

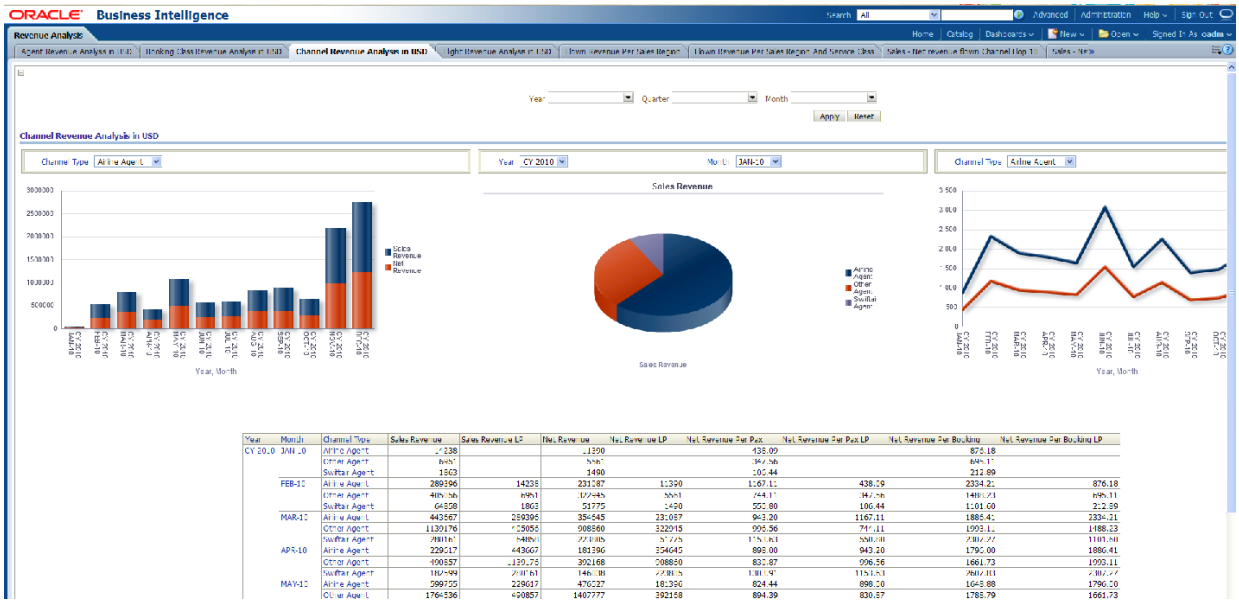


11.4.3 Channel Revenue Analysis in USD

Report dimensions are:

- Time

Figure 11-17 Channel Revenue Analysis in USD



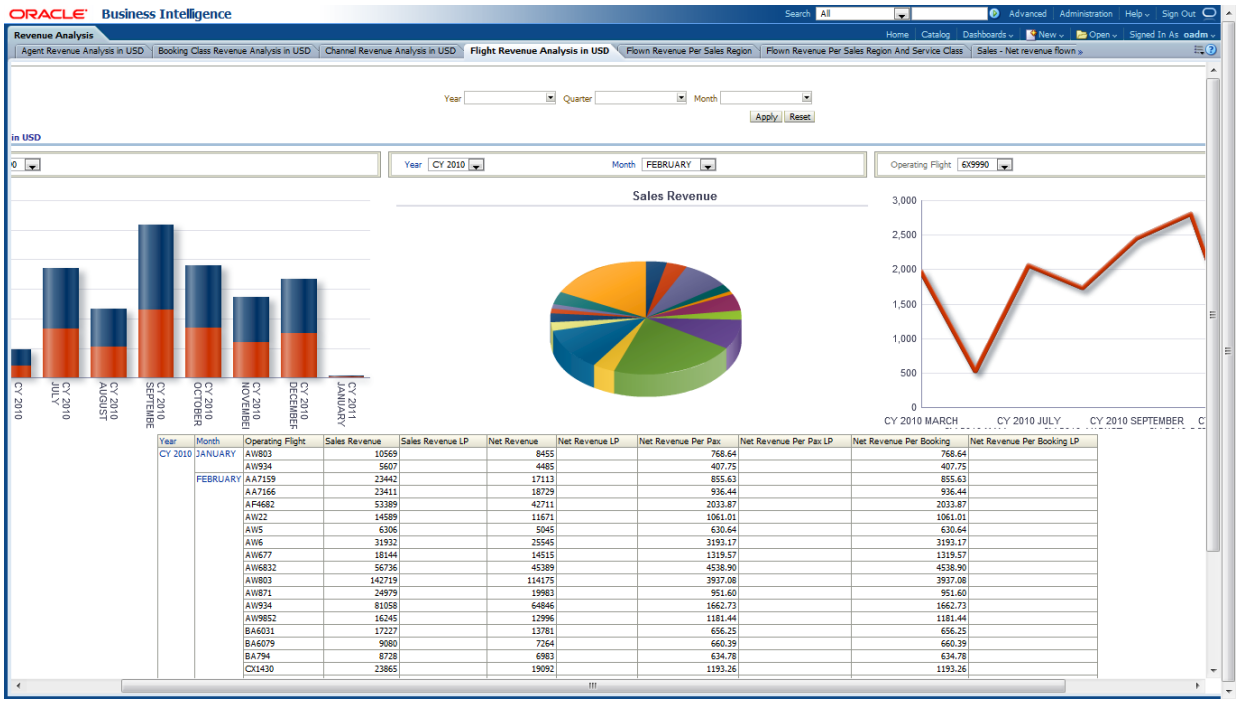
11.4.4 Flight Revenue Analysis in USD

This report, as shown in Figure 11-18 (page 11-18) provides the revenue analysis in USD for flights at month level. The report shows which revenue per operating flight. The report also includes information on net revenue, sales revenue, and the metrics LP, and % Change LP.

Report dimensions are:

- Time

Figure 11-18 Flight Revenue Analysis in USD



Year	Month	Operating Flight	Sales Revenue	Sales Revenue LP	Net Revenue	Net Revenue LP	Net Revenue Per Pax	Net Revenue Per Pax LP	Net Revenue Per Booking	Net Revenue Per Booking LP
CY 2010	JANUARY	AW803	10569		8455		768.64		768.64	
		AW934	5607		4485		407.75		407.75	
	FEBRUARY	AA7159	23442		17113		855.63		855.63	
		AA7166	23411		18729		936.44		936.44	
		AF4682	53389		42711		2033.87		2033.87	
		AW22	14589		11671		1061.01		1061.01	
		AW5	6306		5045		630.64		630.64	
		AW6	31932		25545		3193.17		3193.17	
		AW677	18144		14515		1319.57		1319.57	
		AW6832	56736		45389		4538.90		4538.90	
		AW803	142719		114175		3937.08		3937.08	
		AW871	24979		19983		951.60		951.60	
		AW934	81058		64846		1662.73		1662.73	
		AW9852	16245		12996		1181.44		1181.44	
		BA6031	17227		13781		656.25		656.25	
		BA6079	9080		7264		660.39		660.39	
		BA794	8728		6983		634.78		634.78	
		CX1430	23865		19092		1193.26		1193.26	

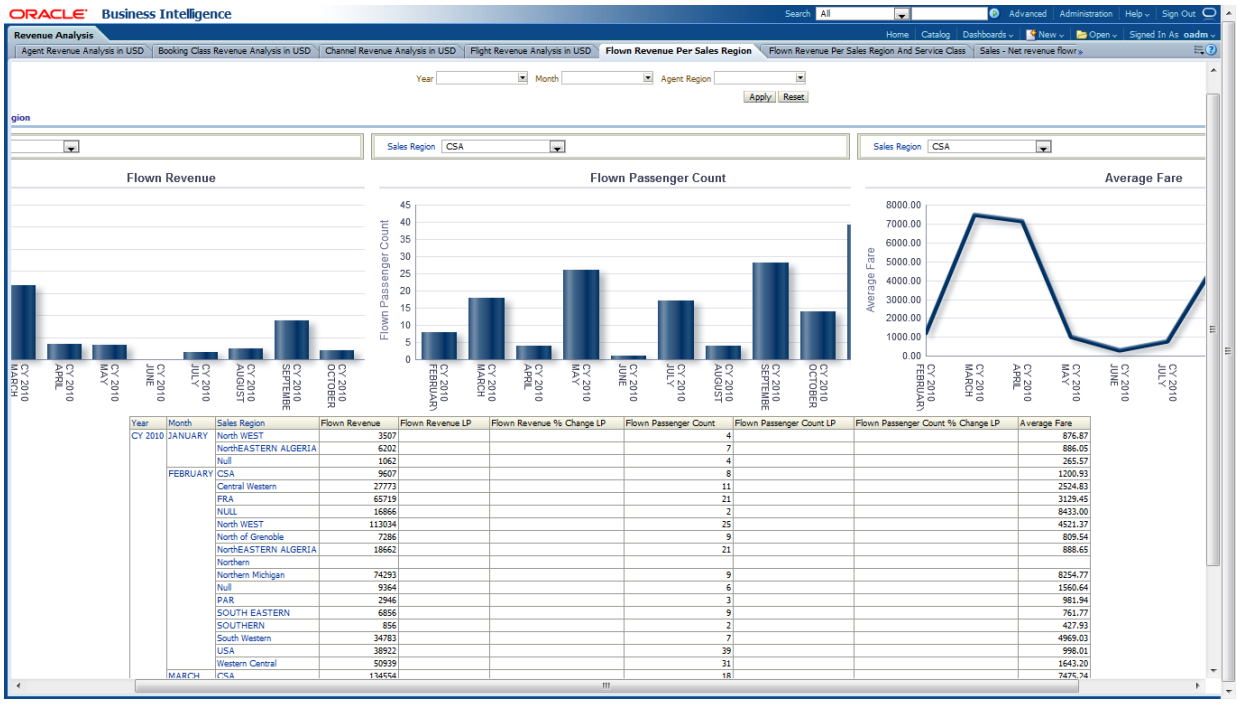
11.4.5 Flown Revenue Per Sales Region

This report, as shown in Figure 11-19 (page 11-19) provides the current year month level flown revenue for sales regions. The information is obtained for flown revenue, flown passenger count, and average fare for the sales regions along with LP, % Change LP. This report information help you determine which region has the most revenue.

Report dimensions are:

- Time
- Agent Region

Figure 11-19 Flown Revenue per Sales Region



Year	Month	Sales Region	Flown Revenue	Flown Revenue LP	Flown Revenue % Change LP	Flown Passenger Count	Flown Passenger Count LP	Flown Passenger Count % Change LP	Average Fare
CY 2010	JANUARY	North WEST	3507			4			876.87
		NorthEASTERN ALGERIA	6202			7			886.05
		Null	1062			4			265.57
	FEBRUARY	CSA	9607			8			1200.93
		Central Western	27773			11			2524.83
		FRA	65719			21			3129.45
		NULL	16866			2			8433.00
		North WEST	113034			25			4521.37
		North of Grenoble	7286			9			809.54
		NorthEASTERN ALGERIA	18662			21			888.65
		Northern							
		Northern Michigan	74293			9			8254.77
		Null	9364			6			1560.64
		PAR	2946			3			981.94
		SOUTH EASTERN	6856			9			761.77
		SOUTHERN	856			2			427.93
		South Western	34783			7			4969.03
		USA	38922			39			998.01
		Western Central	50939			31			1643.20
	MARCH	CSA	134554			18			7475.24

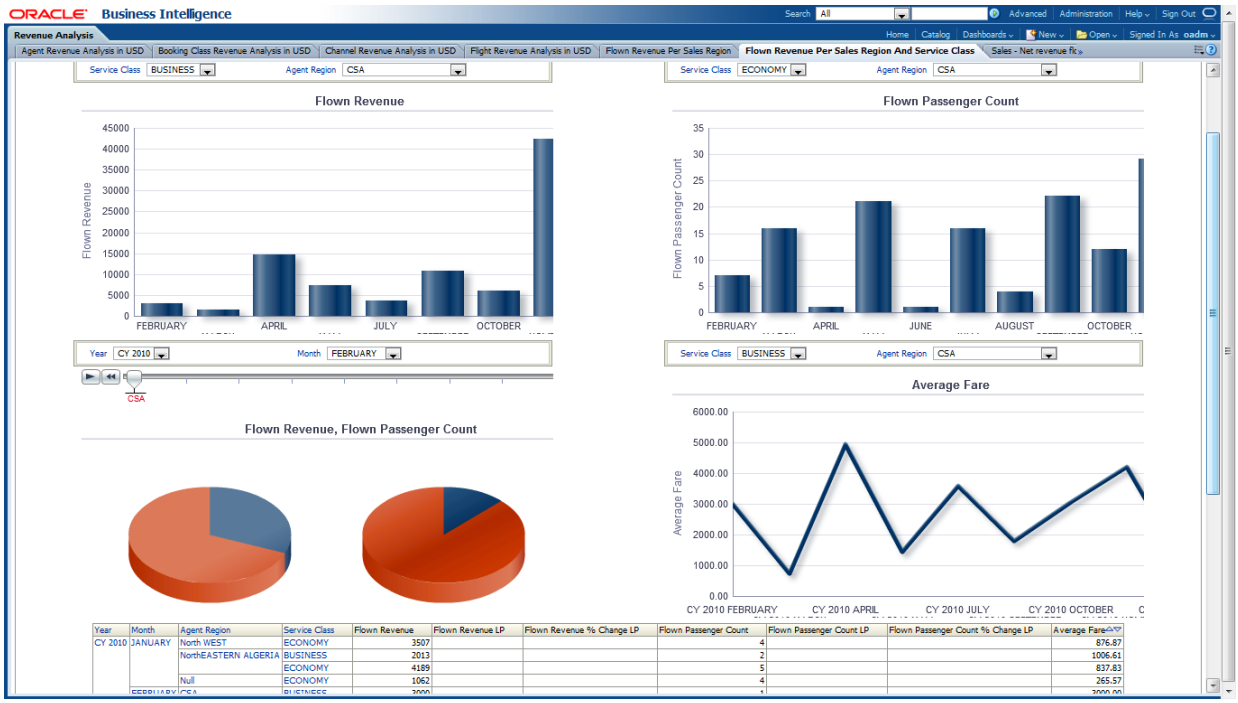
11.4.6 Flown Revenue per Sales Region and Service Class

This report, as shown in Figure 11-20 (page 11-20) provides the flown revenue per sales region and service class. The report information is on the flight revenue, flight passenger count, and average fare along with the metrics of LP, % Change LP for the flight revenue and flight passenger count. The information in this report help you determine which sales region and which service class has higher revenue.

Report dimensions are:

- Time
- Agent Region
- Service Class

Figure 11-20 Flown Revenue Per Sales Region and Service Class



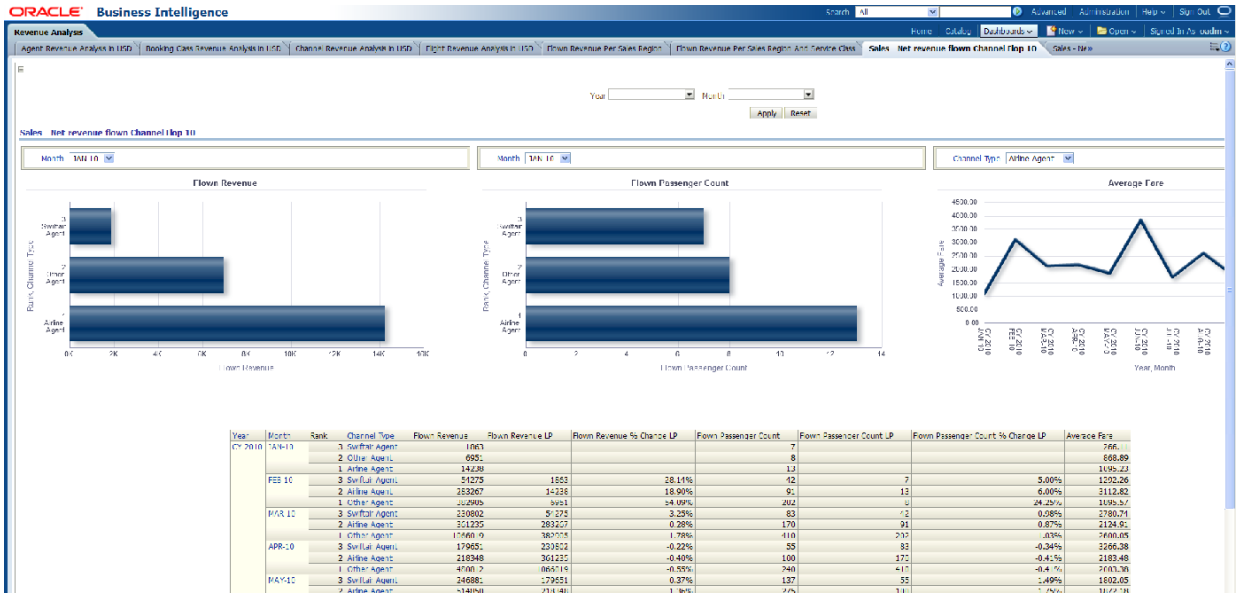
11.4.7 Sales: Net Revenue Flown Channel Bottom 10

This report provides the Sales, Net Revenue Flown Channel Bottom 10 report (Flop 10).

Report dimensions are:

- Time

Figure 11-21 Sales - Net Revenue Flown Channel Bottom 10



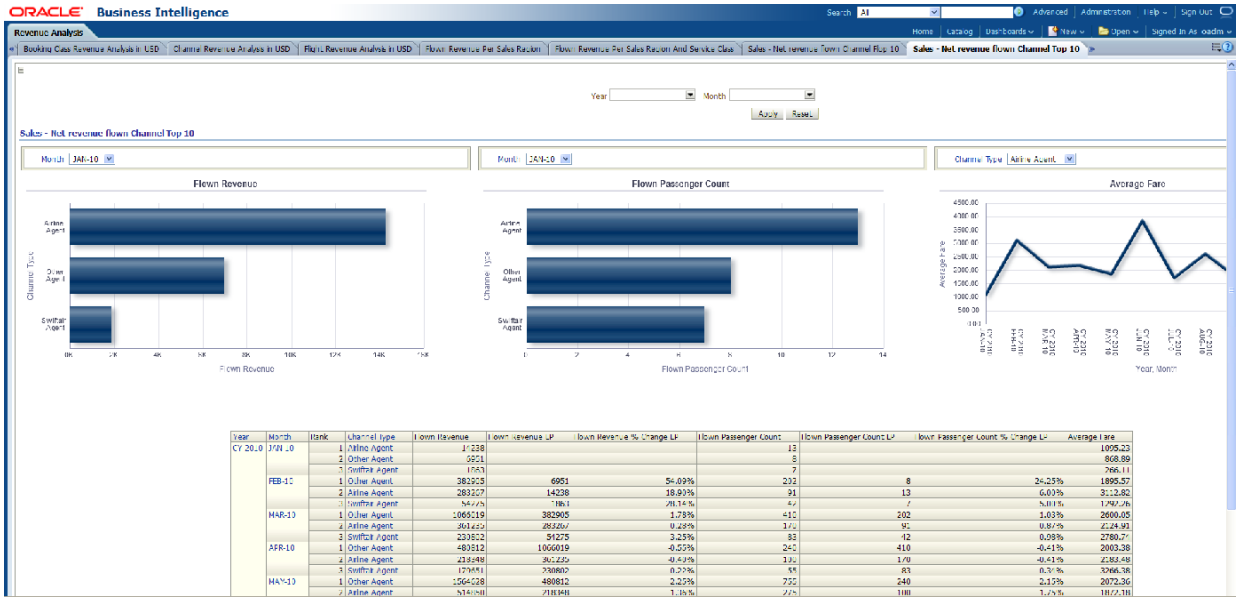
11.4.8 Sales - Net Revenue Flown Channel Top 10

This report provides the sales net revenue flown channel by channel type.

Report dimensions are:

- Time

Figure 11-22 Net Revenue Flown Channel Top 10



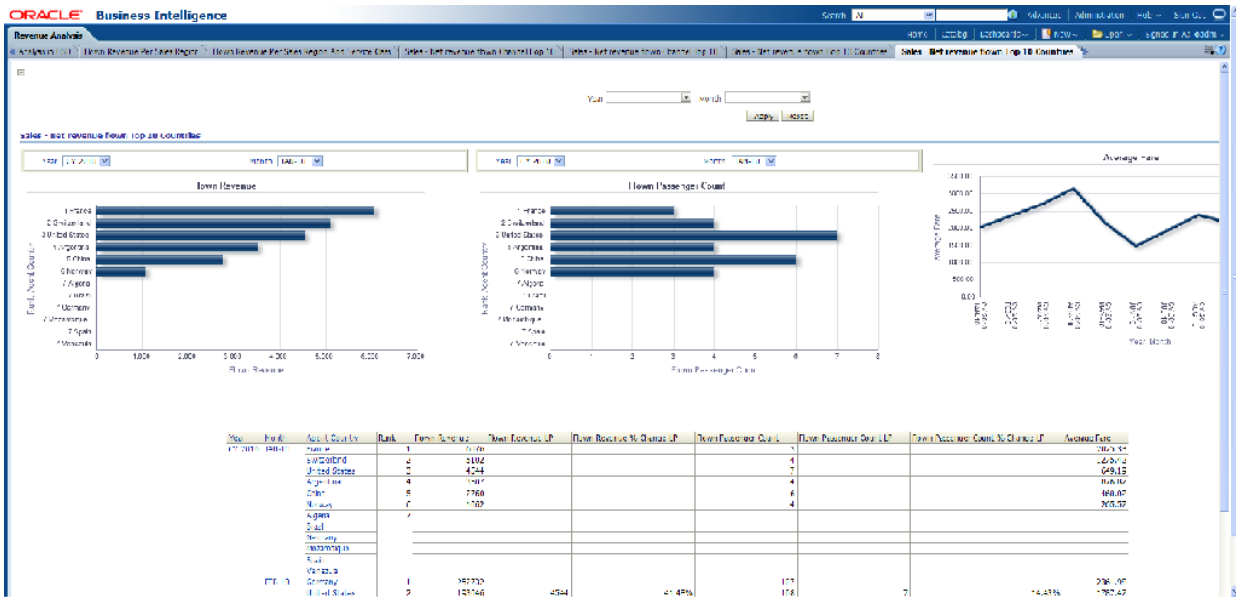
11.4.9 Sales - Net Revenue Flown Bottom 10 Countries (Flop 10)

This report provides information on flown passenger counts by country.

Report dimensions are:

- Time

Figure 11-23 Net Revenue Flown by Passenger Count Bottom 10 Countries



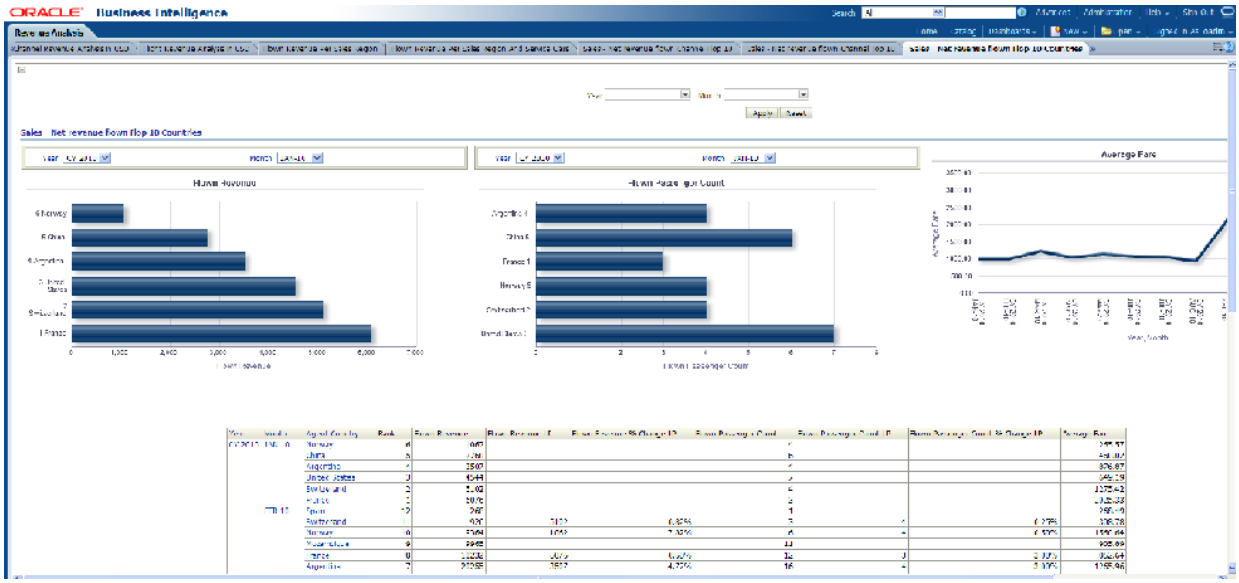
11.4.10 Sales - Net Revenue Flown Top 10 Countries

This report provides the net revenue flown for the top ten countries.

Report dimensions are:

- Time

Figure 11-24 Net Revenue Per Agency - Top 10 Revenue



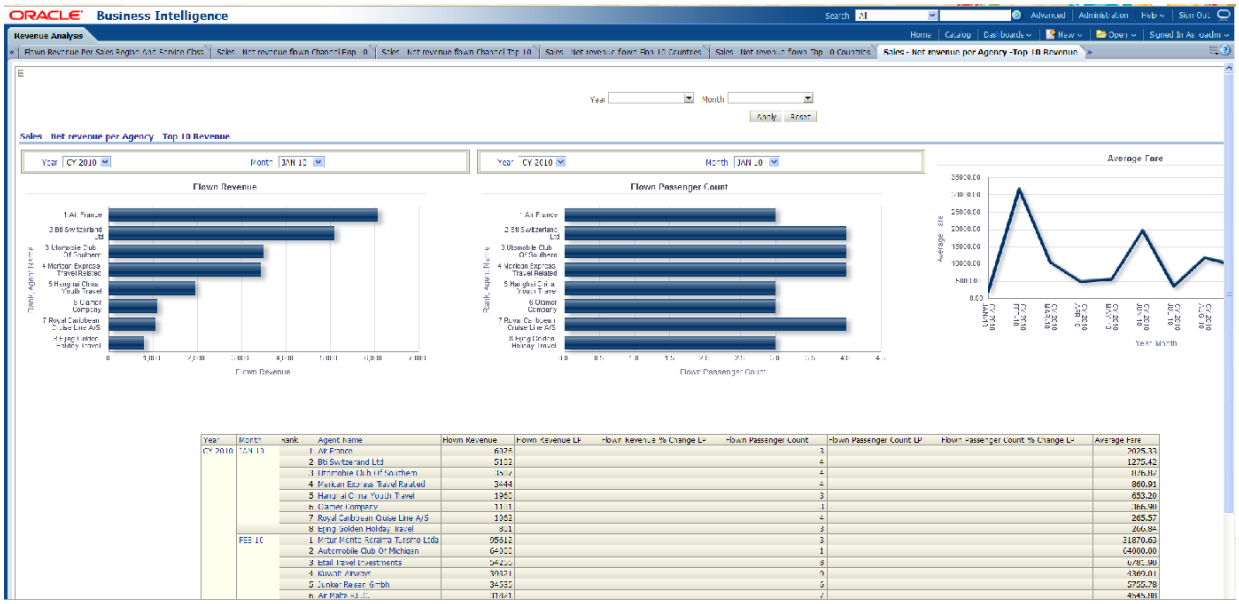
11.4.11 Sales - Net Revenue Per Agency - Top 10 Revenue

This report provides the sales net revenue per top ten agency.

Report dimensions are:

- Time

Figure 11-25 Sales - Net Revenue Per Agency - Top 10 Revenue



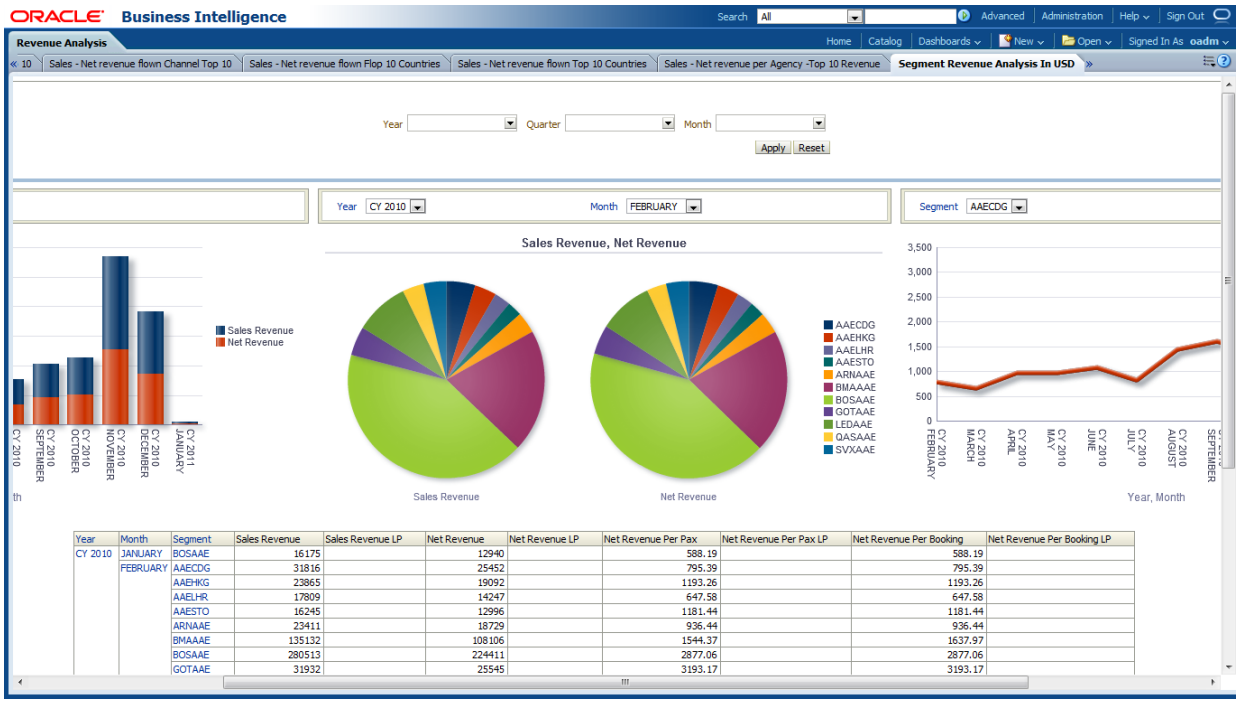
11.4.12 Segment Revenue Analysis in USD

This report, as shown in Figure 11-26 (page 11-24) provides the information on revenue analysis segment wise in month level. The statistics on sales revenue, net revenue, net revenue per pax, net revenue per booking is available along with LP metrics. This report can help you determine which segment is well used based on revenue.

Report dimensions are:

- Time

Figure 11-26 Segment Revenue Analysis in USD



Year	Month	Segment	Sales Revenue	Sales Revenue LP	Net Revenue	Net Revenue LP	Net Revenue Per Pax	Net Revenue Per Pax LP	Net Revenue Per Booking	Net Revenue Per Booking LP
CY 2010	JANUARY	BOSAAE	16175		12940		588.19		588.19	
	FEBRUARY	AAECDG	31816		25452		795.39		795.39	
		AAEHKG	23865		19092		1193.26		1193.26	
		AAELHR	17809		14247		647.58		647.58	
		AAESTO	16245		12996		1181.44		1181.44	
		ARNAAE	23411		18729		936.44		936.44	
		BMAAAE	135132		108106		1544.37		1637.97	
		BOSAAE	280513		224411		2877.06		2877.06	
		GOTAAE	31932		25545		3193.17		3193.17	

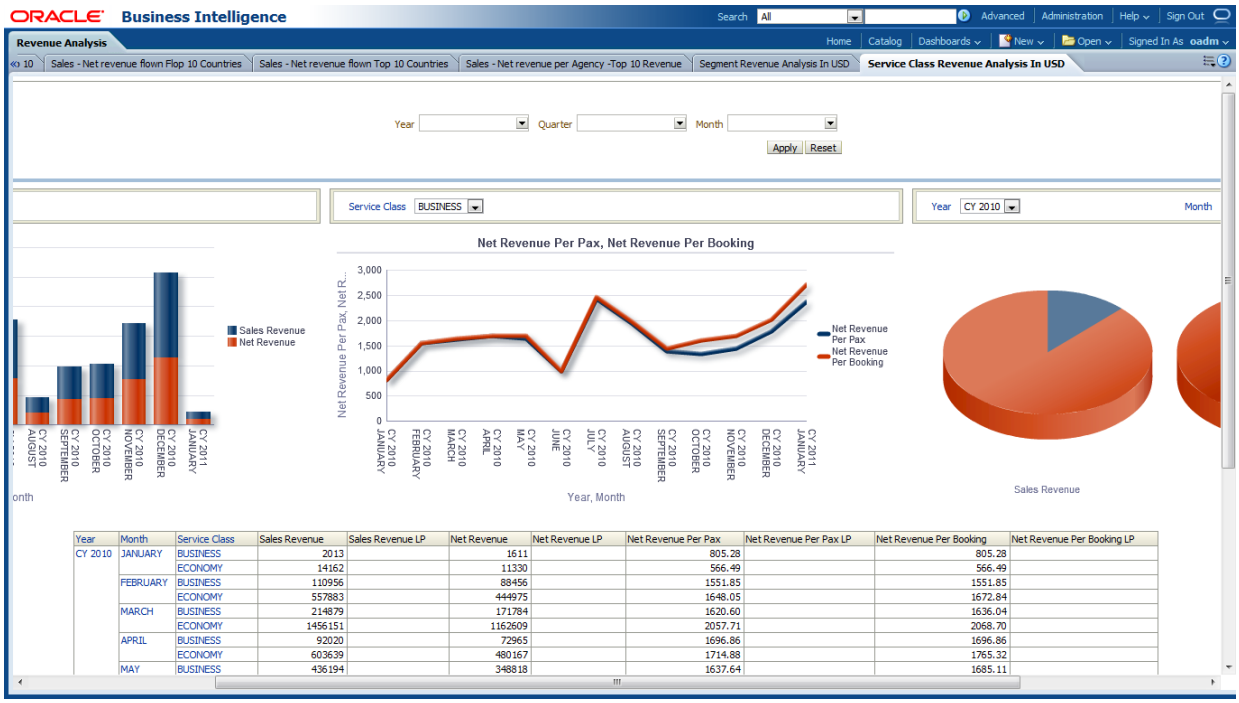
11.4.13 Service Class Revenue Analysis in USD

This report, as shown in Figure 11-27 (page 11-25) provides the month level revenue analysis on service class in USD. The report shows that out of all the service classes available, class usage and revenue per service class. The report also shows metrics such as LP for sales revenue, net revenue, net revenue per pax, and net revenue for booking.

Report dimensions are:

- Time

Figure 11-27 Service Class Revenue Analysis in USD



Year	Month	Service Class	Sales Revenue	Sales Revenue LP	Net Revenue	Net Revenue LP	Net Revenue Per Pax	Net Revenue Per Pax LP	Net Revenue Per Booking	Net Revenue Per Booking LP
CY 2010	JANUARY	BUSINESS	2013		1611		805.28		805.28	
		ECONOMY	14162		11330		566.49		566.49	
	FEBRUARY	BUSINESS	110956		88456		1551.85		1551.85	
		ECONOMY	557883		444975		1648.05		1672.84	
	MARCH	BUSINESS	214879		171784		1620.60		1636.04	
		ECONOMY	1456151		1162609		2057.71		2068.70	
	APRIL	BUSINESS	92020		72965		1696.86		1696.86	
		ECONOMY	603639		480167		1714.88		1765.32	
	MAY	BUSINESS	436194		348818		1637.64		1685.11	

11.5 Route Analysis Reports

The Route Analysis Reports are includes one report:

- Route Ranking on Bookings (page 11-25)
- ASK Analysis (page 11-27)
  Shows the ASK Analysis report.
- Route Passenger Count Forecast (page 11-29)
  Shows the Route Passenger Count Forecast report.

11.5.1 Route Ranking on Bookings

This report provides the information on rankings of routes based on bookings at month level. The report shows the statistics for booked, confirmed, and canceled, along with the metrics LP, % Change LP for booked, confirmed, and canceled. Based on the booking statistics, the report provides ranks for the routes. The report also shows the cancellation rate for the particular route.

Report dimensions are:

- Time

Figure 11-28 Route Ranking on Bookings

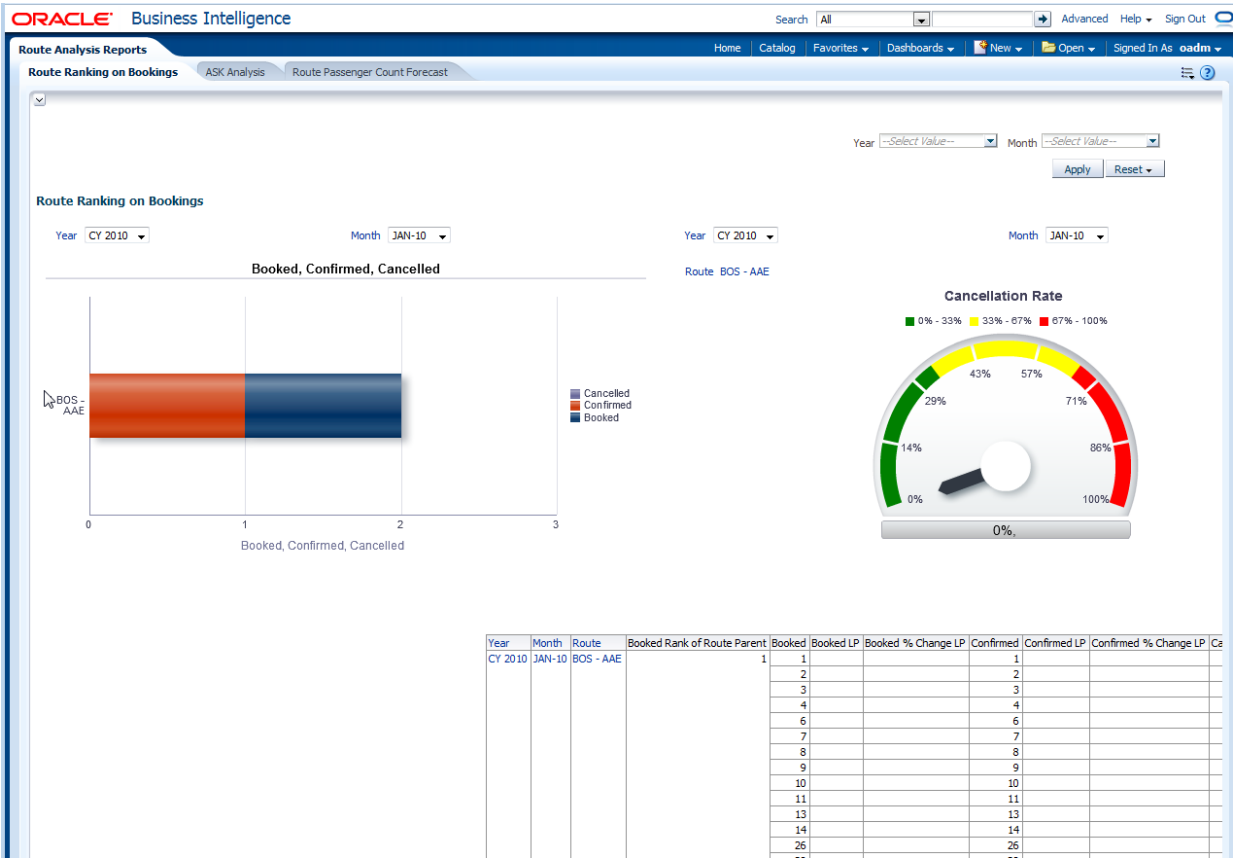
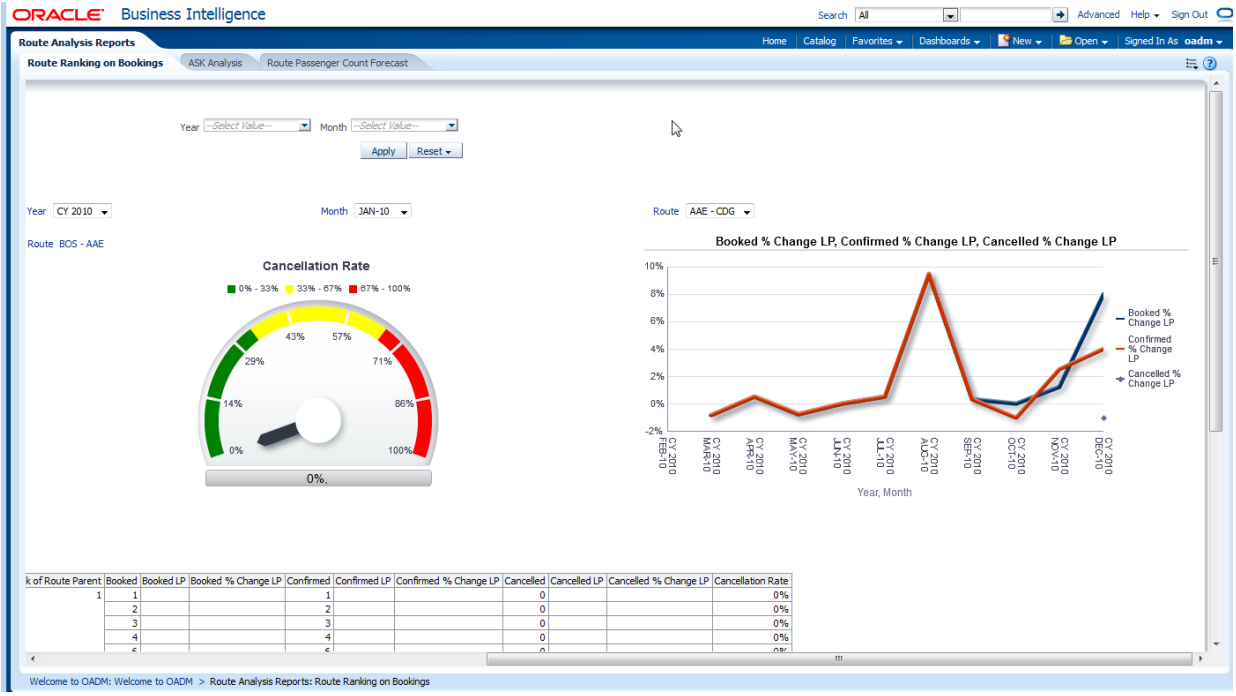


Figure 11-29 Route Ranking on Bookings Right Side



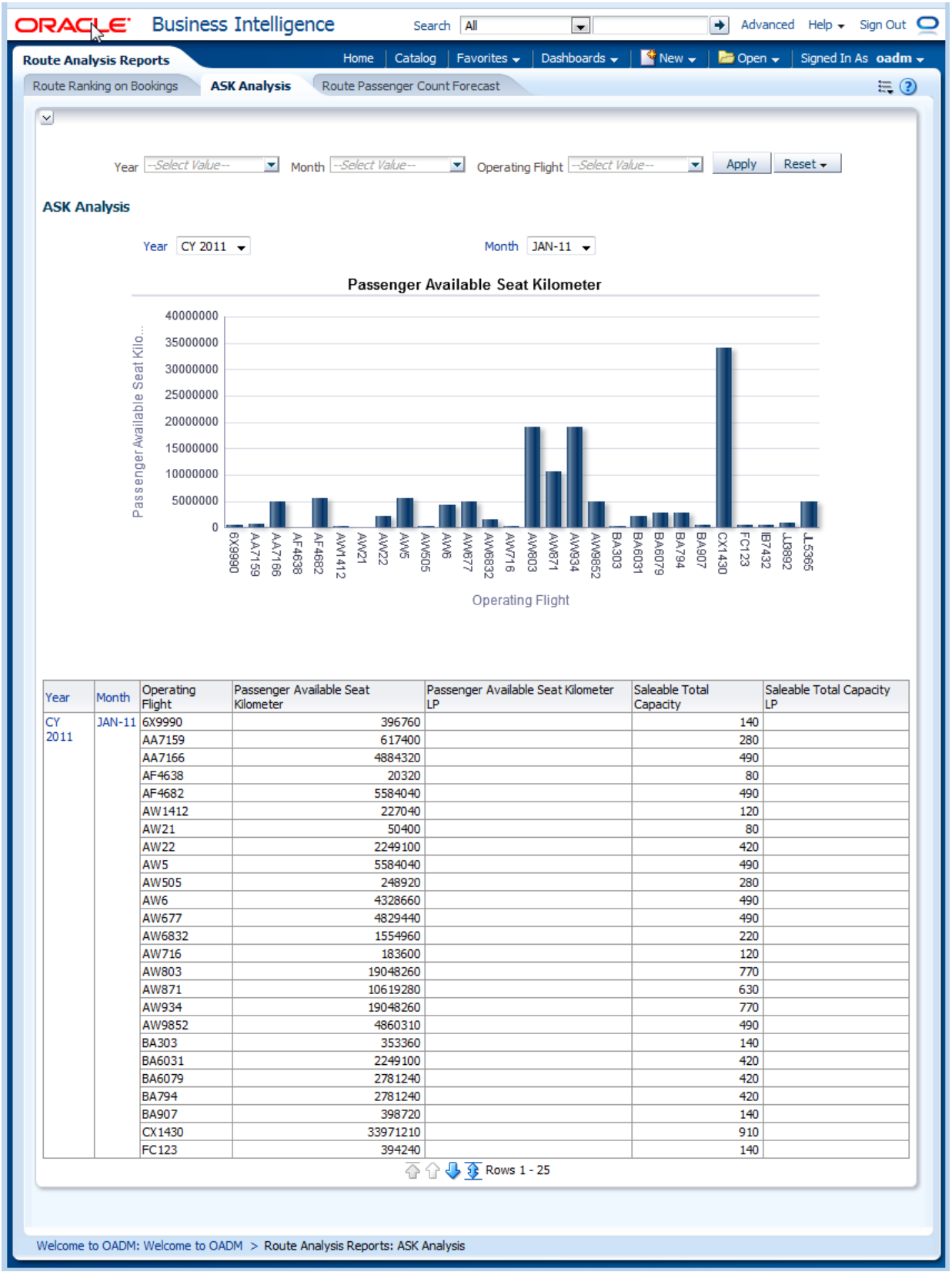
11.5.2 ASK Analysis

Shows the ASK Analysis report.

Report dimensions are:

- Time

Figure 11-30 Route Analysis Reports ASK Analysis



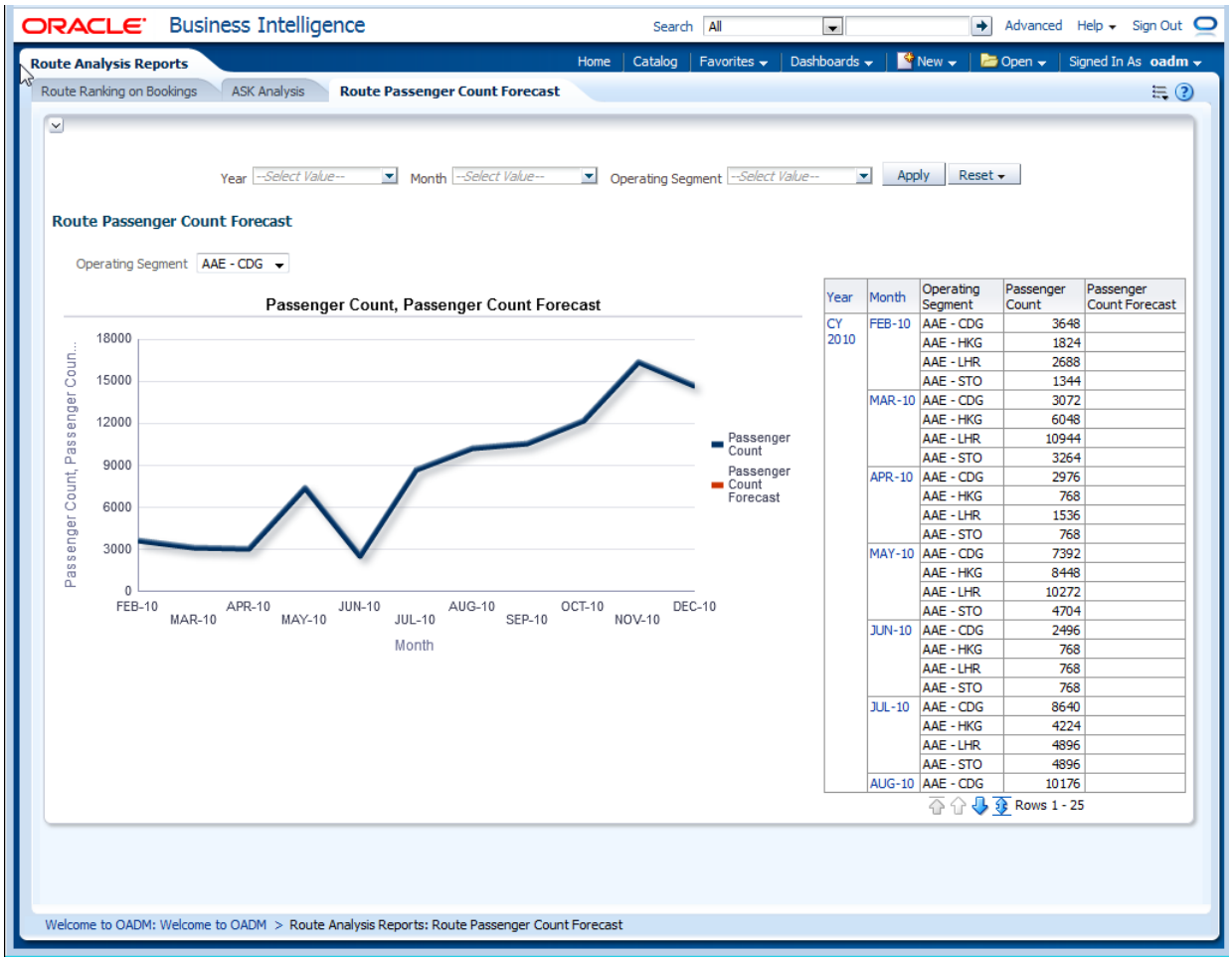
11.5.3 Route Passenger Count Forecast

Shows the Route Passenger Count Forecast report.

Report dimensions are:

- Time

Figure 11-31 Route Analysis Reports Route Passenger Count Forecast



11.6 Call Center Performance Analysis

The Call Center Performance Analysis reports include the following areas:

- Call Center Performance (page 11-29)
- Call Center Sales Performance (page 11-30)

11.6.1 Call Center Performance

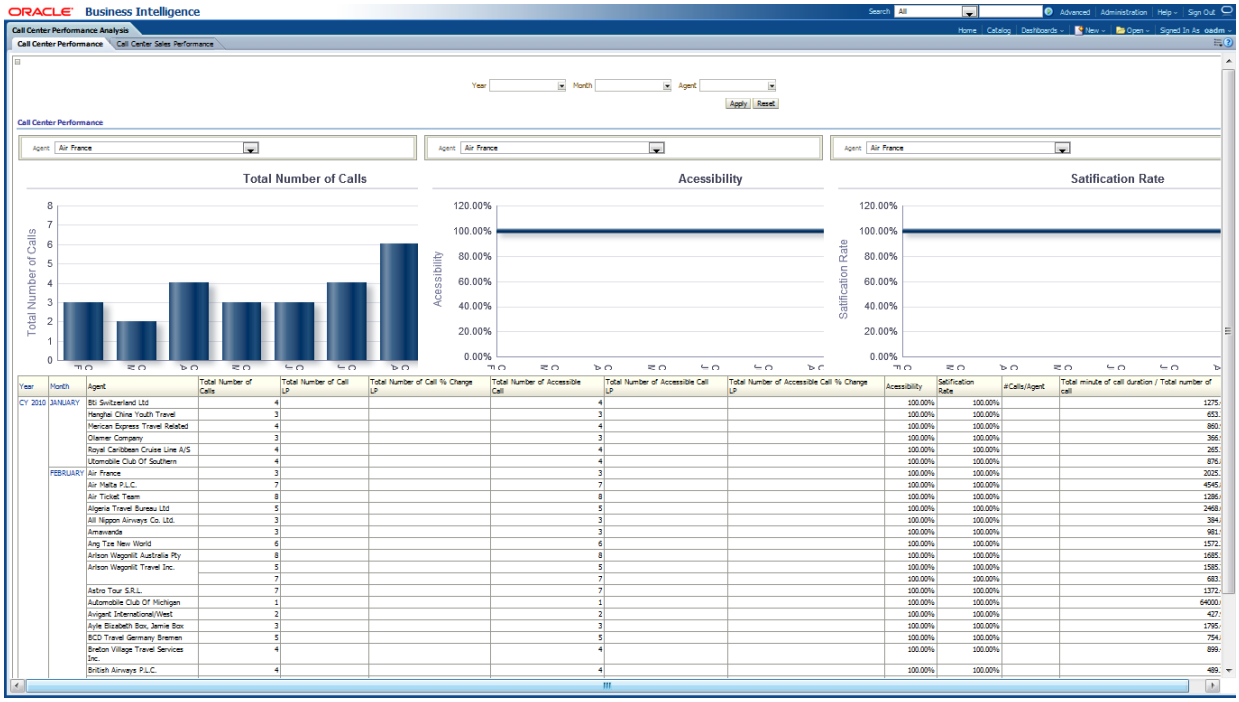
This report, as shown in Figure 11-32 (page 11-30) provides the year wise month level call center performance agents wise. The report includes the total number of calls

and how many are accessible calls out of the total calls. The metrics like LP, % Change LP for the total number of calls and accessible calls can be obtained from this report.

Report dimensions are:

- Time
- Agent

Figure 11-32 Call Center Performance



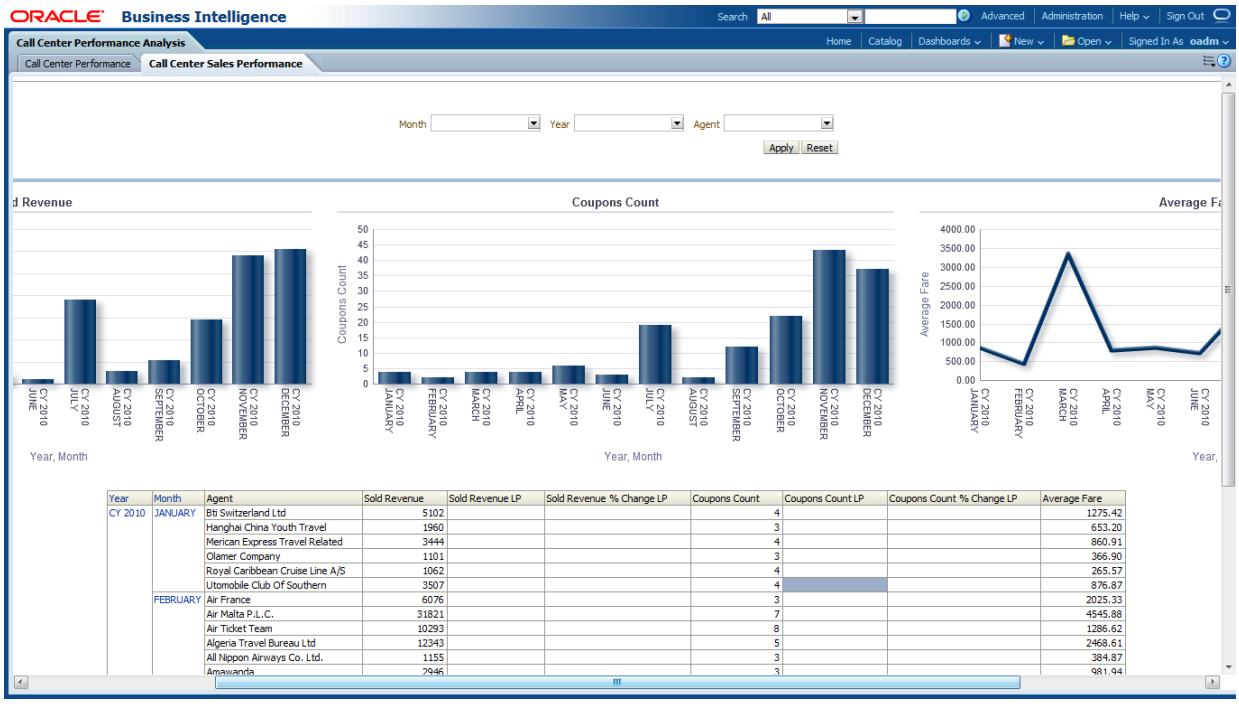
11.6.2 Call Center Sales Performance

This report, as shown in Figure 11-33 (page 11-31) provides the current year month level sales performance for the call centers for all the agents. The report includes information on the sold revenue and the count of coupons. This report also shows metrics LP and % Change LP for the Sold revenue and Coupons count.

Report dimensions are:

- Time
- Agent

Figure 11-33 Call Center Sales Performance



11.7 Customer Loyalty Analysis

The Customer Loyalty Analysis reports include the following areas:

- Airline Contribution (page 11-31)
- Earn / Redemption (page 11-32)
- Membership Development (page 11-33)
- Frequent Flyer Customer Mining (page 11-34)
- Non-Frequent Flyer Customer Mining (page 11-36)
  The Non-Frequent Flyer Customer Mining area includes two reports.

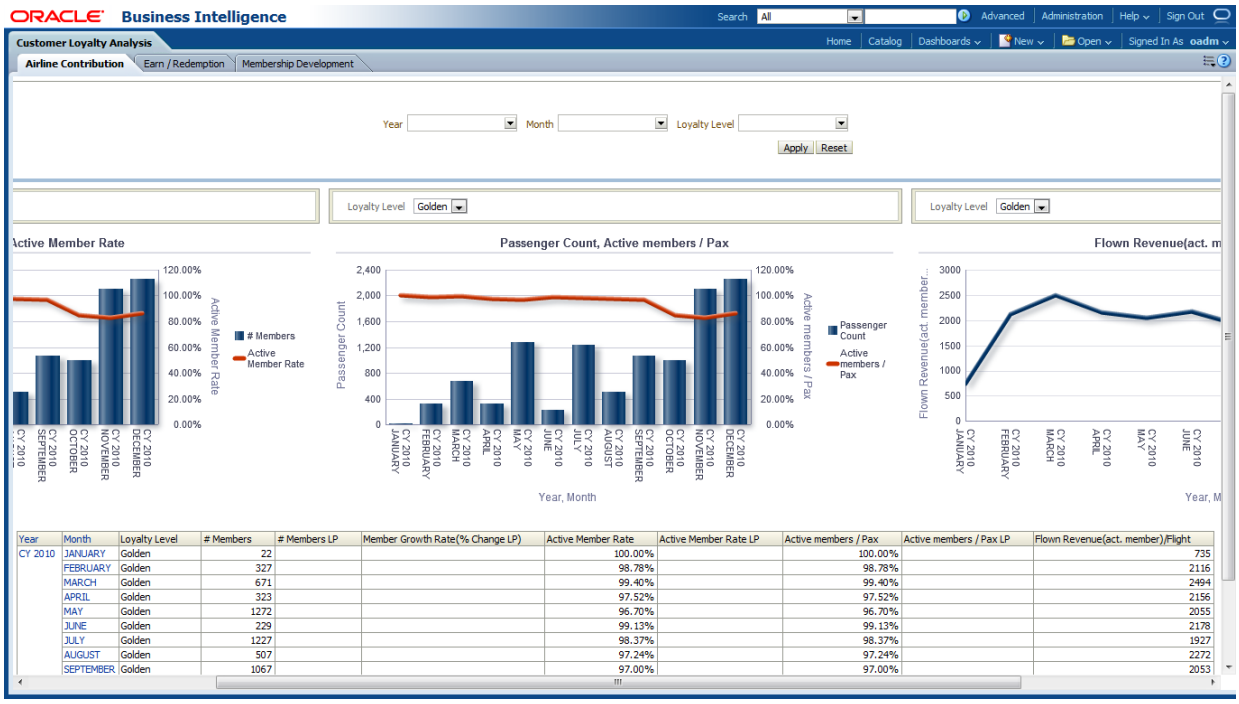
11.7.1 Airline Contribution

This report, as shown in Figure 11-34 (page 11-32) provides the year wise month level information on airline contribution, that is, how many members are there, how many are active out the total members, what is their growth rate, what is the passengers count and the rate of active members, Active members/Pax, and so on. The metrics like LP, % Change LP for members, active members are also obtained.

Report dimensions are:

- Time
- Loyalty Level

Figure 11-34 Airline Contribution



Year	Month	Loyalty Level	# Members	# Members LP	Member Growth Rate(% Change LP)	Active Member Rate	Active Member Rate LP	Active members / Pax	Active members / Pax LP	Flown Revenue(act. member)/Flight
CY 2010	JANUARY	Golden	22			100.00%		100.00%		735
	FEBRUARY	Golden	327			98.78%		98.78%		2116
	MARCH	Golden	671			99.40%		99.40%		2494
	APRIL	Golden	323			97.52%		97.52%		2156
	MAY	Golden	1272			96.70%		96.70%		2055
	JUNE	Golden	229			99.13%		99.13%		2178
	JULY	Golden	1227			98.37%		98.37%		1927
	AUGUST	Golden	507			97.24%		97.24%		2272
	SEPTEMBER	Golden	1067			97.00%		97.00%		2053

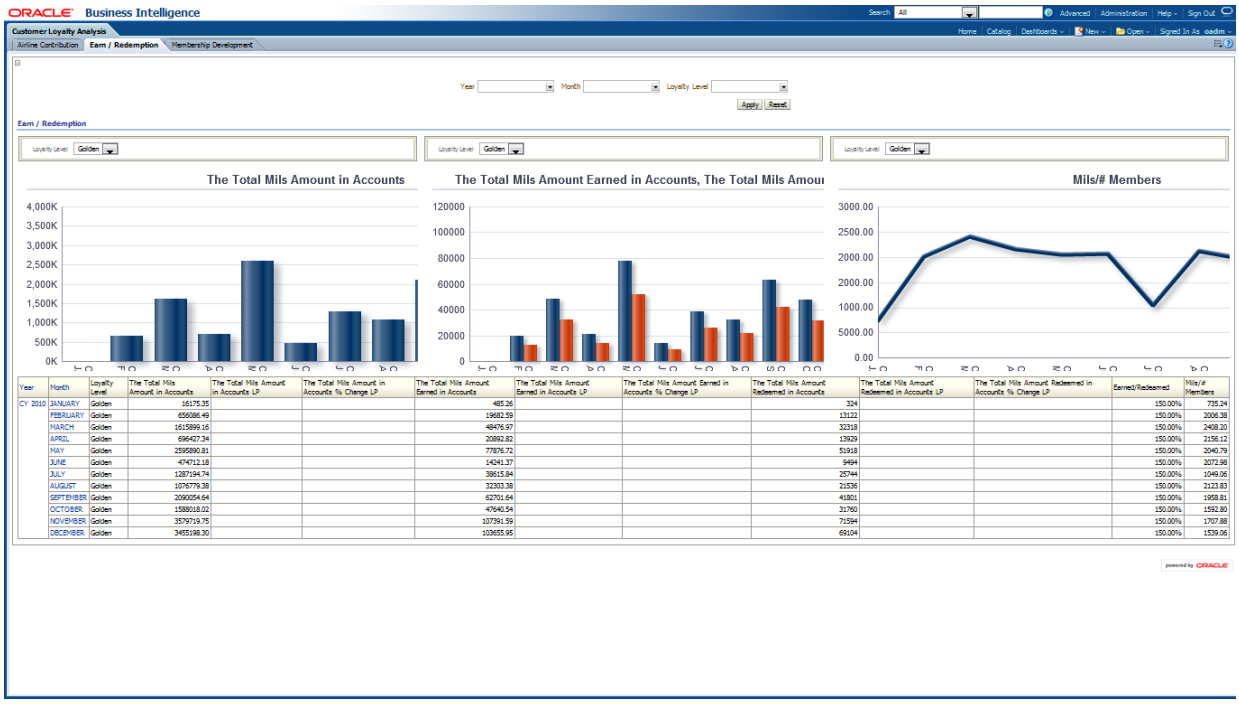
11.7.2 Earn / Redemption

This report, as shown in Figure 11-35 (page 11-33) provides the current year month level earnings and redemption. The report includes the total miles amount in accounts, total miles amount earned, and redeemed in the accounts. This report also provides the metrics LP, % Change LP for the total mils amount in accounts, total miles amount earned in accounts and total miles amount redeemed in account.

Report dimensions are:

- Time
- Loyalty Level

Figure 11-35 Earn / Redemption



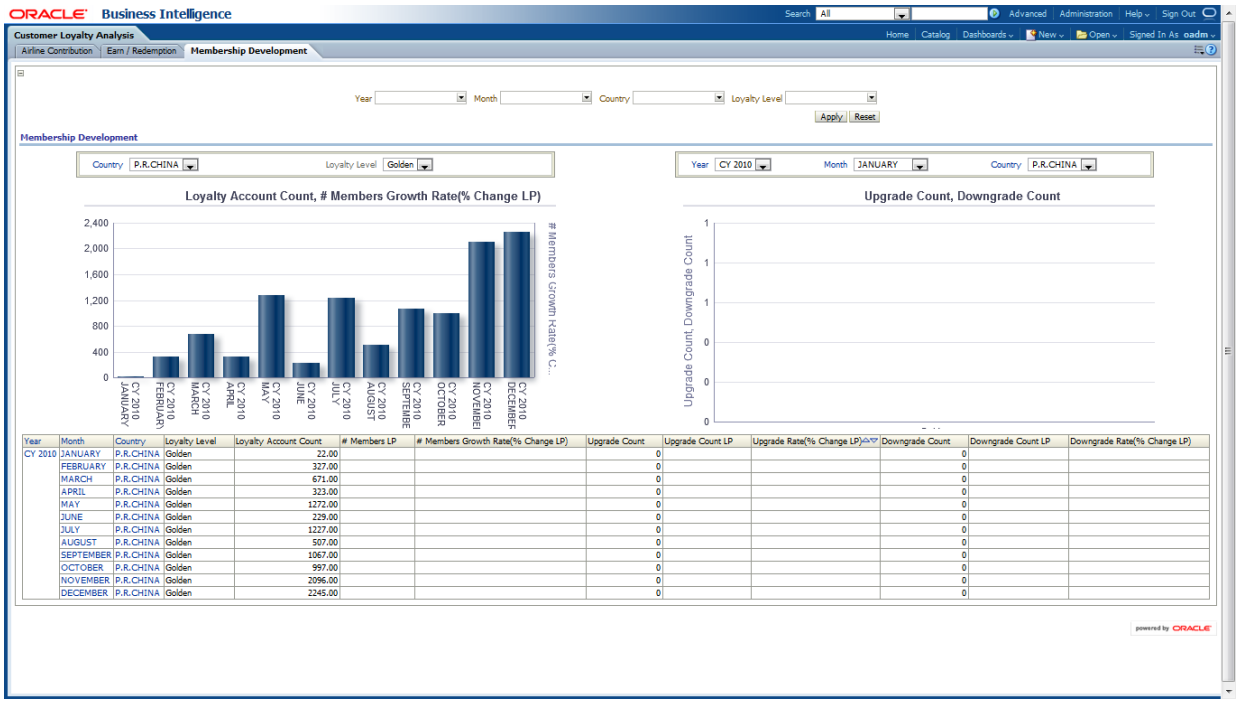
11.7.3 Membership Development

This report, as shown in Figure 11-36 (page 11-34) provides the membership development for the current year month level basing on loyalty level in different countries. This report provides information on the number of members, how many members are upgraded and degraded. The report also shows the metrics LP and % Change LP for the members' growth rate, upgrade count, and downgrade count.

Report dimensions are:

- Time
- Country
- Loyalty Level

Figure 11-36 Membership Development



Year	Month	Country	Loyalty Level	Loyalty Account Count	# Members LP	# Members Growth Rate(% Change LP)	Upgrade Count	Upgrade Count LP	Upgrade Rate(% Change LP)	Downgrade Count	Downgrade Count LP	Downgrade Rate(% Change LP)
CY 2010	JANUARY	P.R.CHINA	Golden	22.00			0			0		
	FEBRUARY	P.R.CHINA	Golden	327.00			0			0		
	MARCH	P.R.CHINA	Golden	671.00			0			0		
	APRIL	P.R.CHINA	Golden	323.00			0			0		
	MAY	P.R.CHINA	Golden	1272.00			0			0		
	JUNE	P.R.CHINA	Golden	229.00			0			0		
	JULY	P.R.CHINA	Golden	1227.00			0			0		
	AUGUST	P.R.CHINA	Golden	507.00			0			0		
	SEPTEMBER	P.R.CHINA	Golden	1067.00			0			0		
	OCTOBER	P.R.CHINA	Golden	997.00			0			0		
	NOVEMBER	P.R.CHINA	Golden	2096.00			0			0		
	DECEMBER	P.R.CHINA	Golden	2245.00			0			0		

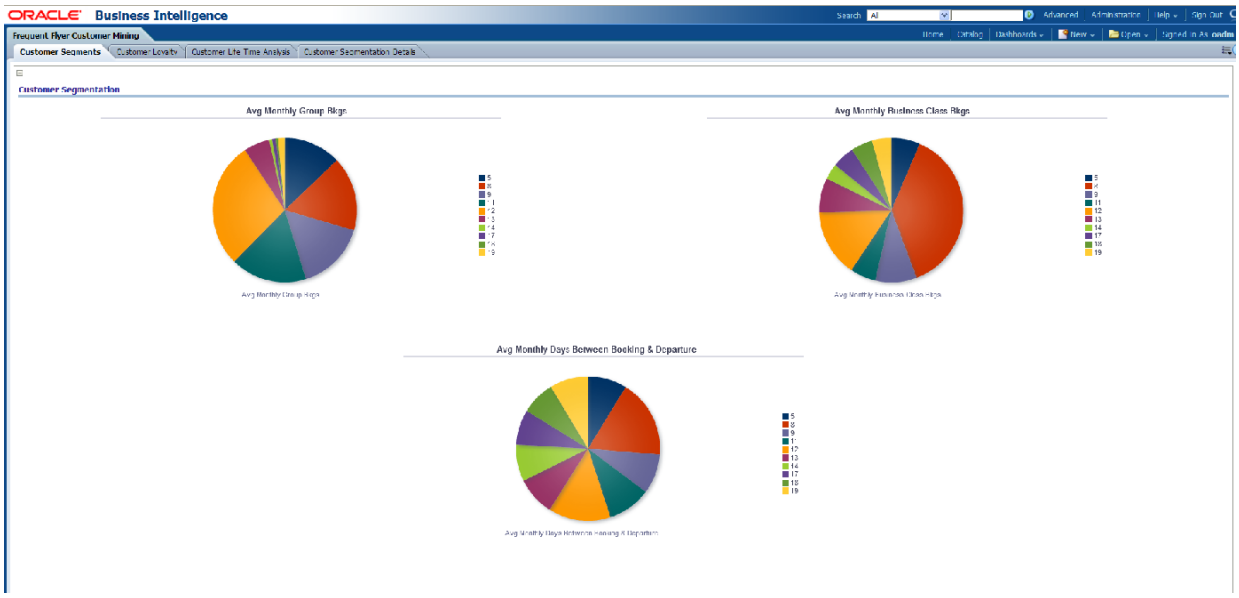
11.7.4 Frequent Flyer Customer Mining

The Frequent Flyer Customer Mining reports includes four reports.

Customer Segments

This report, provides the frequent flyer customer mining report for segments.

Figure 11-37 Frequent Flyer Customer Mining Customer Segments



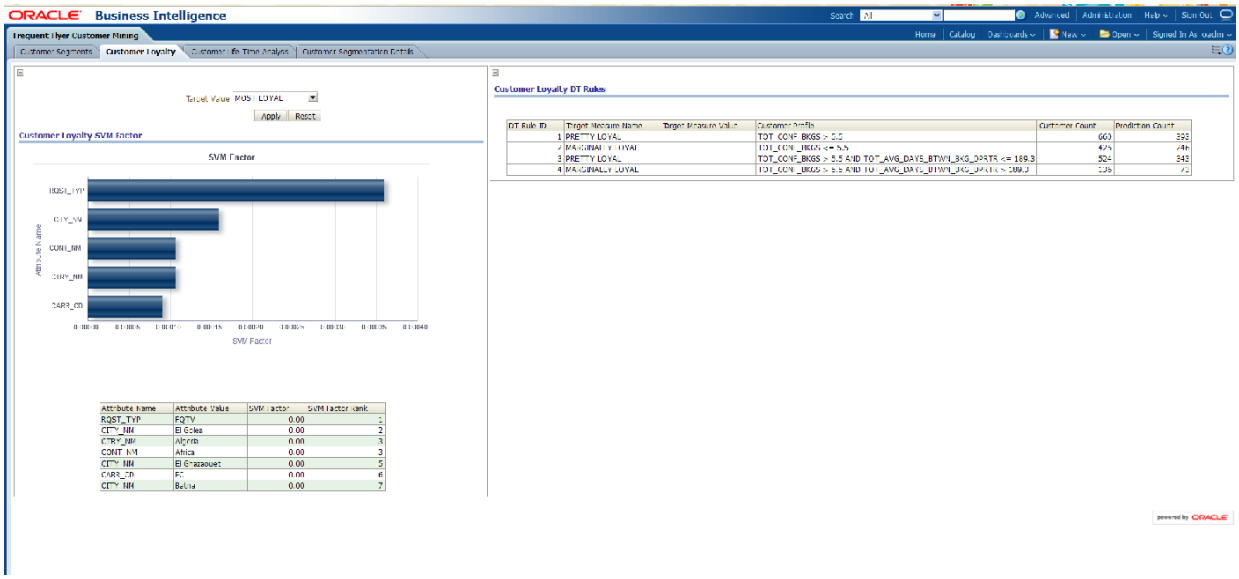
Customer Loyalty

This report, provides the frequent flyer customer mining for customer loyalty.

Report dimensions are:

- Target Value

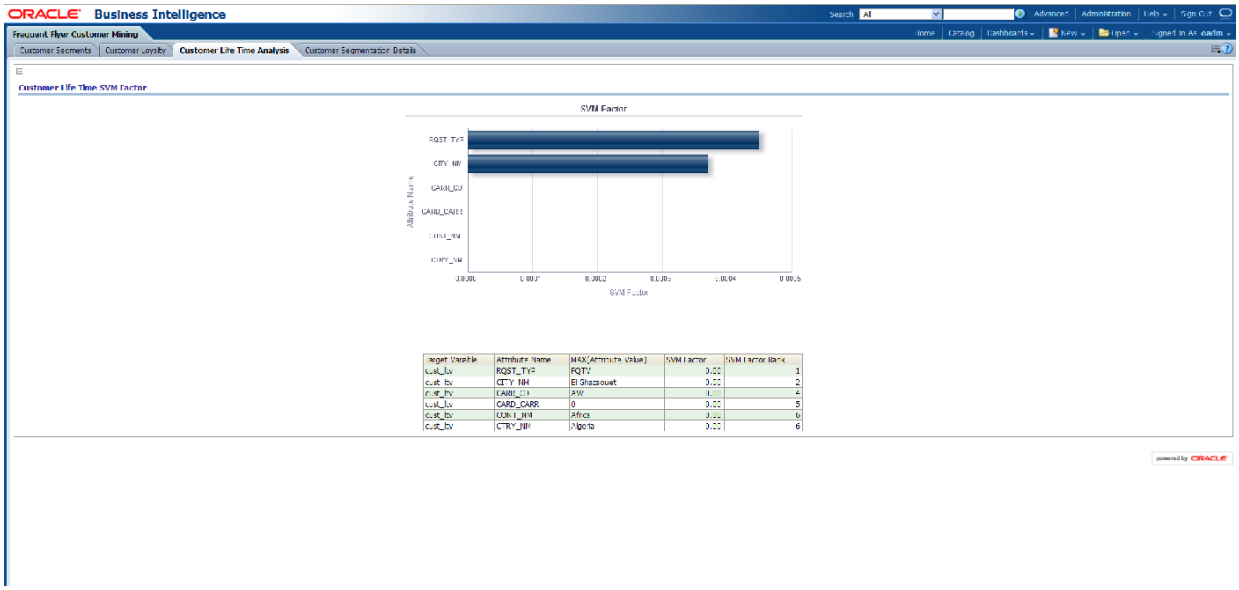
Figure 11-38 Frequent Flyer Customer Mining Customer Loyalty



Customer Life Time Analysis

This report, provides the frequent flyer customer mining report for expected customer life time.

Figure 11-39 Customer Life Time Analysis



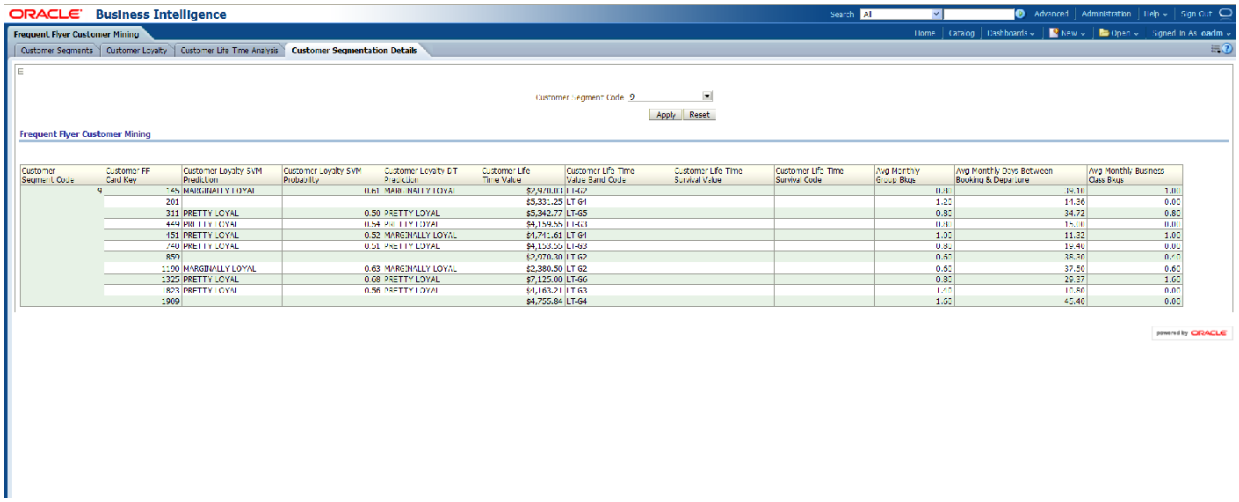
Customer Segmentation Details

This report, provides the frequent flyer customer mining report for customer segmentation.

Report dimensions are:

- Customer Segment Code

Figure 11-40 Frequent Flyer Customer Mining: Customer Segmentation Details



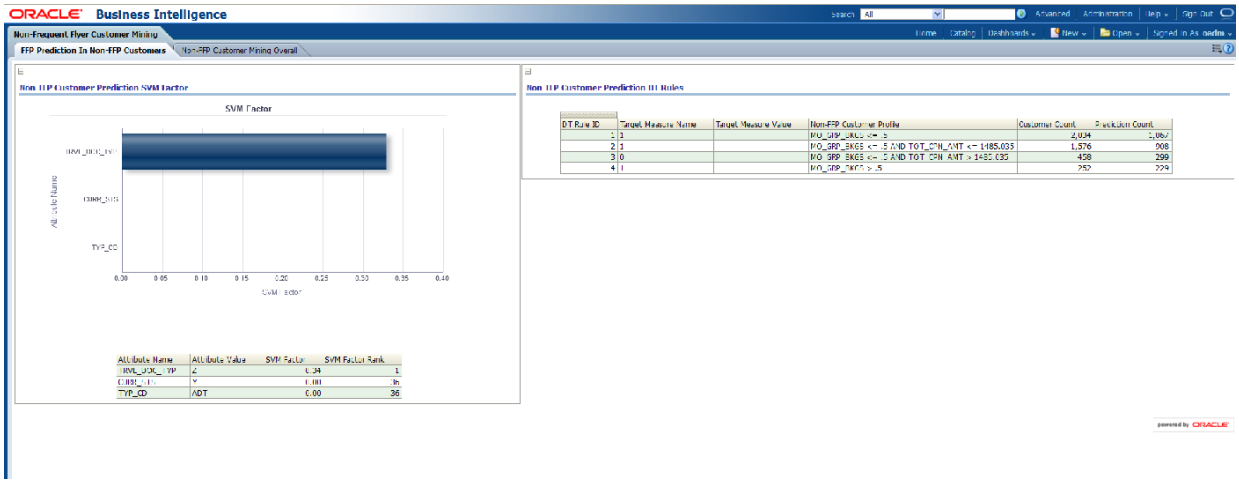
11.7.5 Non-Frequent Flyer Customer Mining

The Non-Frequent Flyer Customer Mining area includes two reports.

FFP Prediction In Non-FFP Customers

This report provides the Non-Frequent Flyer Customer Mining FFP Prediction Sample Report.

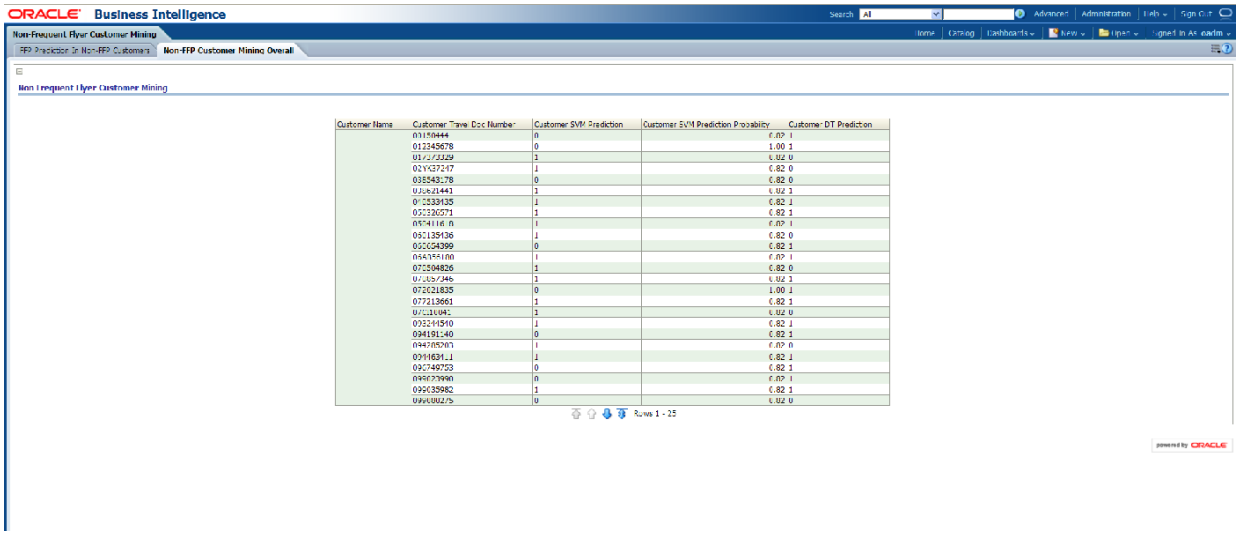
Figure 11-41 Non-Frequent Flyer Customer Mining FFP Prediction In Non-FFP Customers



Non-FFP Customer Mining Overall

This report, provides the Non-FFP Customer Mining Overall Sample Report.

Figure 11-42 Non-FFP Customer Mining Overall



11.8 Customer Interaction Analysis

The Customer Interaction Analysis reports include the following areas:

- Customer Satisfaction Survey Summary (page 11-37)
- Customer Satisfaction Onboard Survey Detail (page 11-38)
- Customer Satisfaction Ground Survey Detail (page 11-39)
- Customer Relations Customer Comments (page 11-40)

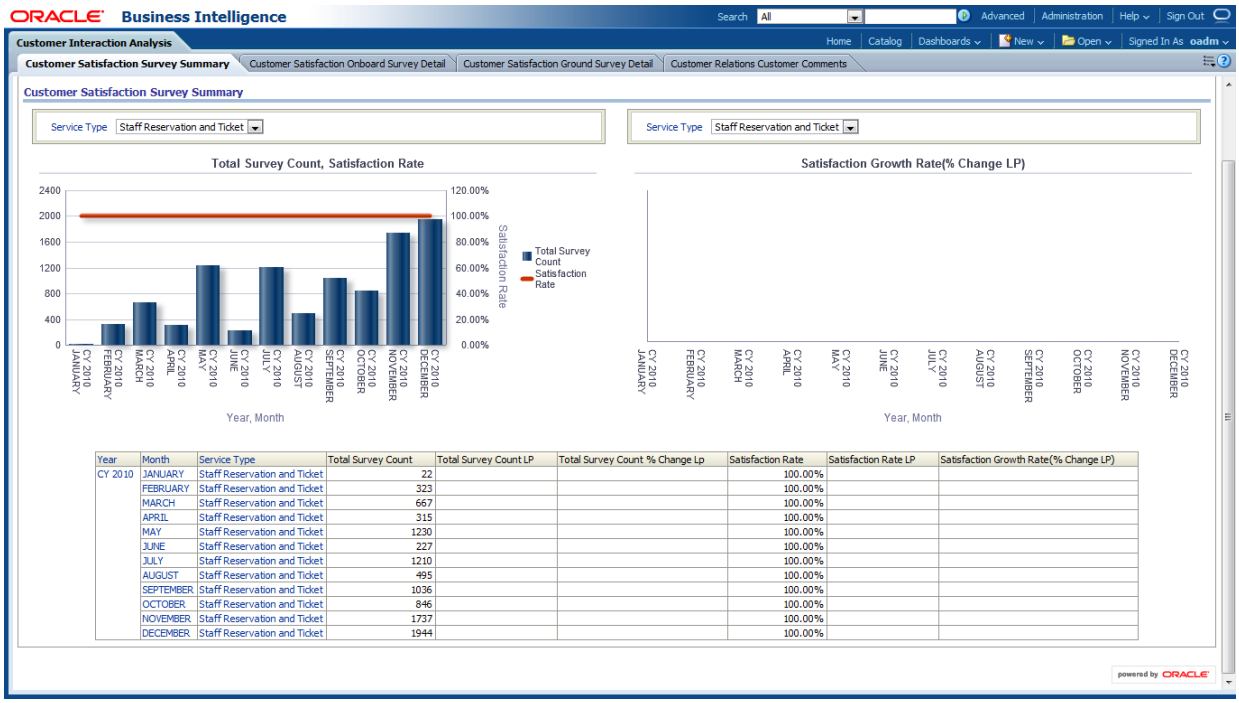
11.8.1 Customer Satisfaction Survey Summary

This report, as shown in Figure 11-43 (page 11-38) provides the yearly month wise customer satisfaction survey summary based on service type, that is, count of surveys made, satisfaction rate of customers known through the survey is known in this report. The report shows metrics such as LP, % Change LP for the total survey count and satisfaction rate of the customers.

Report dimensions are:

- Time
- Service Type

Figure 11-43 Customer Satisfaction Survey Summary



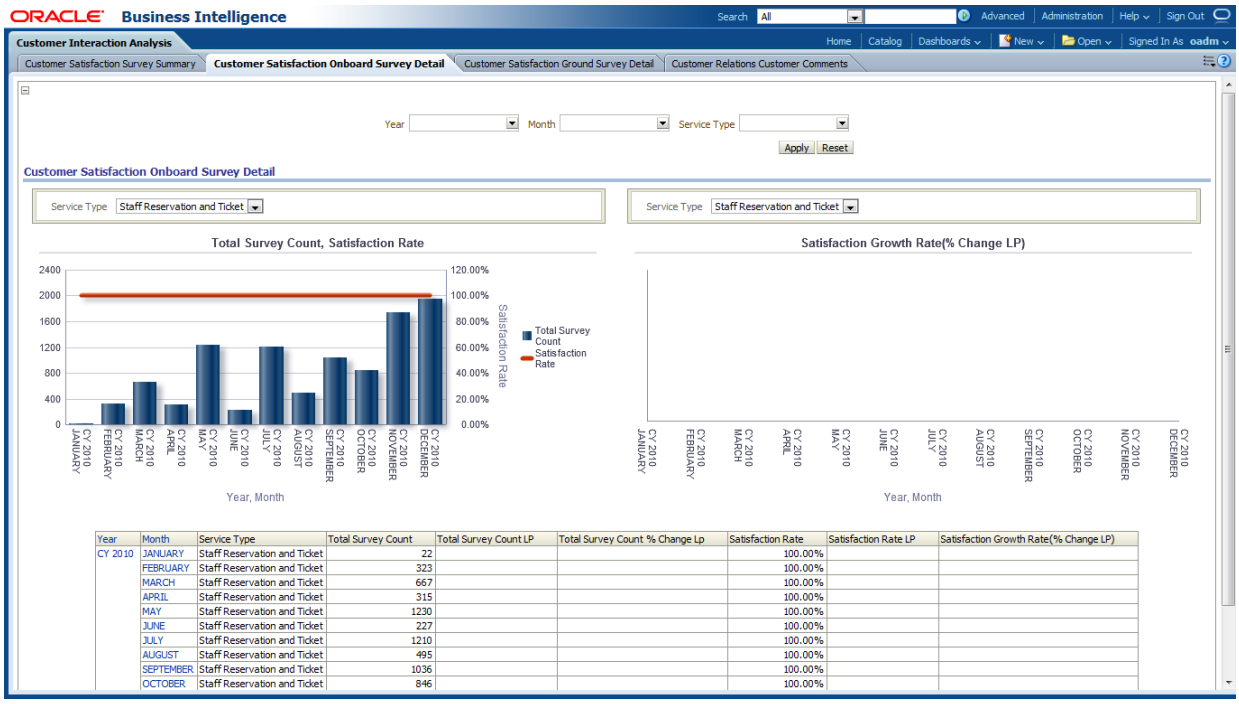
11.8.2 Customer Satisfaction Onboard Survey Detail

This report, as shown in Figure 11-44 (page 11-39) provides the current year month level customer satisfaction onboard based on service type. The report includes information on the total surveys and the satisfaction rate of the customers onboard. The report shows metrics such as LP, % Change LP for total survey count and satisfaction rate.

Report dimensions are:

- Time
- Service Type

Figure 11-44 Customer Satisfaction Onboard Survey Detail



Year	Month	Service Type	Total Survey Count	Total Survey Count LP	Total Survey Count % Change Lp	Satisfaction Rate	Satisfaction Rate LP	Satisfaction Growth Rate(% Change LP)
CY 2010	JANUARY	Staff Reservation and Ticket	22			100.00%		
	FEBRUARY	Staff Reservation and Ticket	323			100.00%		
	MARCH	Staff Reservation and Ticket	667			100.00%		
	APRIL	Staff Reservation and Ticket	315			100.00%		
	MAY	Staff Reservation and Ticket	1230			100.00%		
	JUNE	Staff Reservation and Ticket	227			100.00%		
	JULY	Staff Reservation and Ticket	1210			100.00%		
	AUGUST	Staff Reservation and Ticket	495			100.00%		
	SEPTEMBER	Staff Reservation and Ticket	1036			100.00%		
	OCTOBER	Staff Reservation and Ticket	846			100.00%		

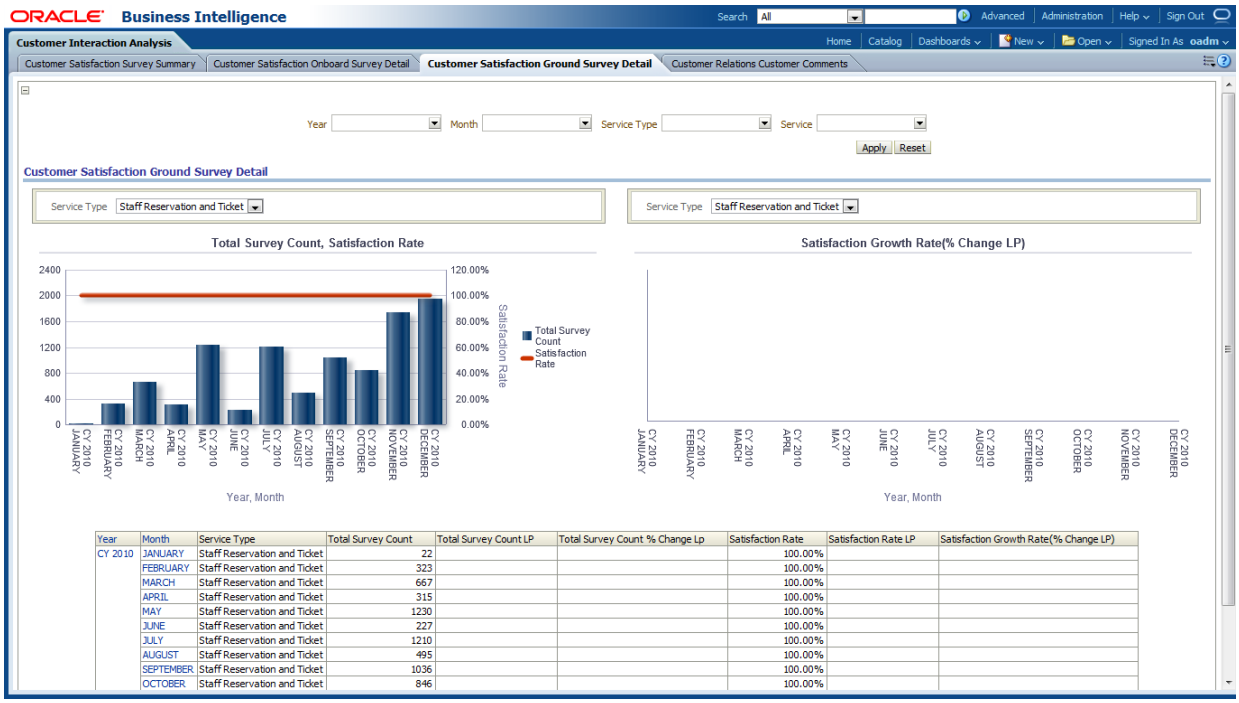
11.8.3 Customer Satisfaction Ground Survey Detail

This report, as shown in Figure 11-45 (page 11-40) provides the customer satisfaction ground survey details for current year month wise. Statistics on Total surveys made, what is the satisfaction rate of the customers will be provided along with LP and % Change LP in this report.

Report dimensions are:

- Time
- Service Type

Figure 11-45 Customer Satisfaction Ground Survey Detail



Year	Month	Service Type	Total Survey Count	Total Survey Count LP	Total Survey Count % Change Lp	Satisfaction Rate	Satisfaction Rate LP	Satisfaction Growth Rate(% Change LP)
CY 2010	JANUARY	Staff Reservation and Ticket	22			100.00%		
	FEBRUARY	Staff Reservation and Ticket	323			100.00%		
	MARCH	Staff Reservation and Ticket	667			100.00%		
	APRIL	Staff Reservation and Ticket	315			100.00%		
	MAY	Staff Reservation and Ticket	1230			100.00%		
	JUNE	Staff Reservation and Ticket	227			100.00%		
	JULY	Staff Reservation and Ticket	1210			100.00%		
	AUGUST	Staff Reservation and Ticket	495			100.00%		
	SEPTEMBER	Staff Reservation and Ticket	1036			100.00%		
	OCTOBER	Staff Reservation and Ticket	846			100.00%		

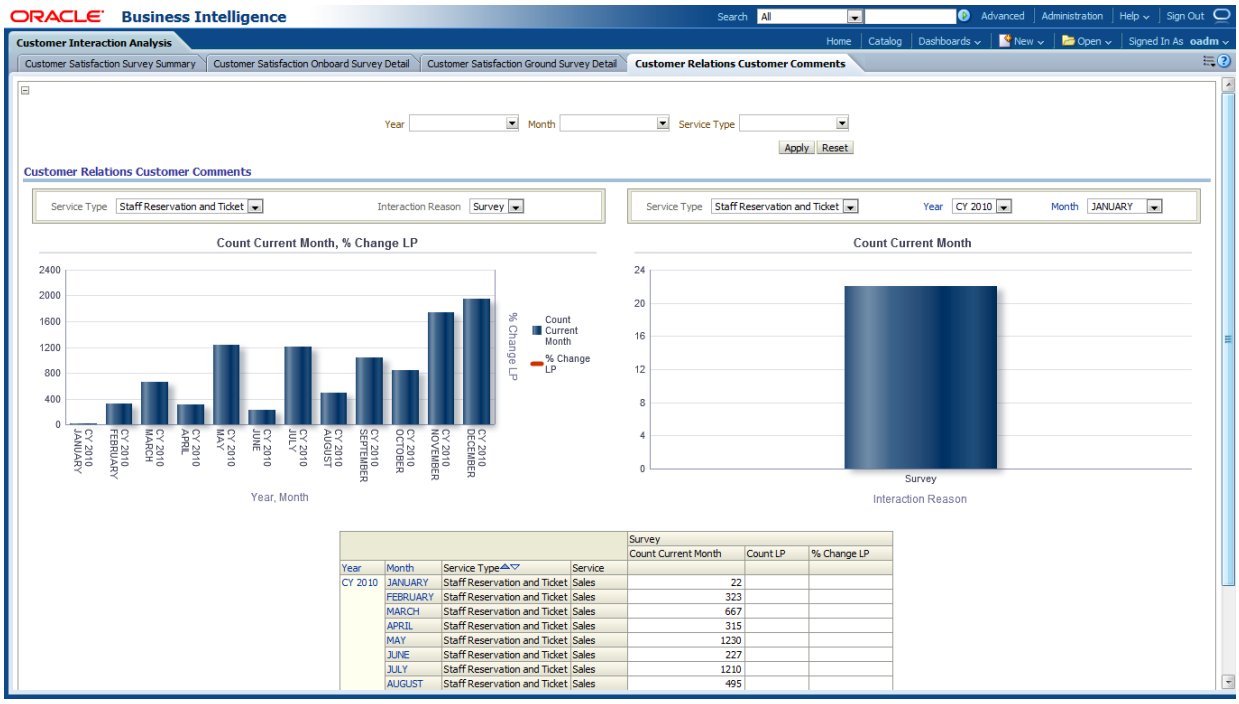
11.8.4 Customer Relations Customer Comments

This report, as shown in Figure 11-46 (page 11-41) provides the month level customer relations. The report includes statistics on count of surveys made in the current month for the service type and service. The metrics like LP and % Change LP will also be there for this.

Report dimensions are:

- Time
- Service Type

Figure 11-46 Customer Relations Customer Comments



				Survey		
				Count Current Month	Count LP	% Change LP
Year	Month	Service Type	Service			
CY 2010	JANUARY	Staff Reservation and Ticket	Sales	22		
	FEBRUARY	Staff Reservation and Ticket	Sales	323		
	MARCH	Staff Reservation and Ticket	Sales	667		
	APRIL	Staff Reservation and Ticket	Sales	315		
	MAY	Staff Reservation and Ticket	Sales	1230		
	JUNE	Staff Reservation and Ticket	Sales	227		
	JULY	Staff Reservation and Ticket	Sales	1210		
	AUGUST	Staff Reservation and Ticket	Sales	495		

11.9 Flight Operations Reports

The flight operations reports include the following areas:

- In Flight Aircraft Details (page 11-41)
- Historical Resolution Time (page 11-42)
- Outstanding Defects (page 11-43)
- Flight Tracking (page 11-44)

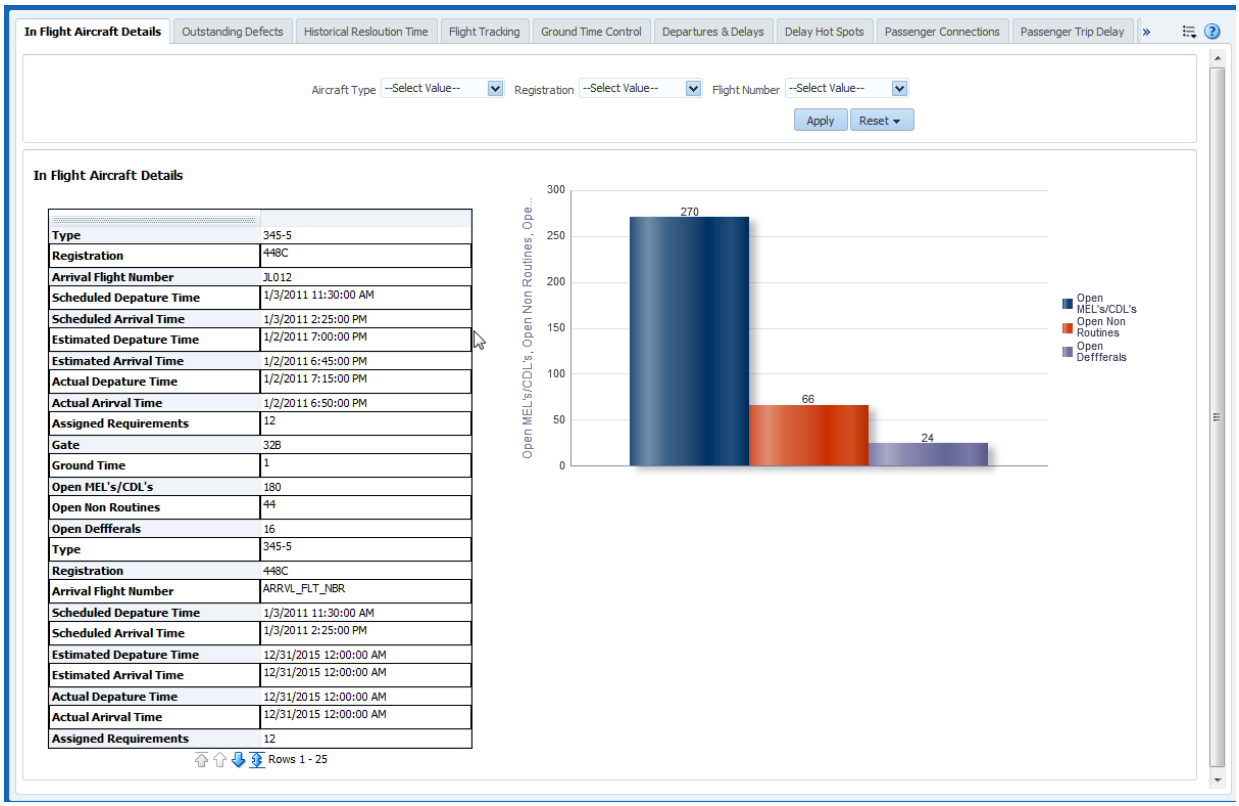
11.9.1 In Flight Aircraft Details

This report provides the flight operations report in flight aircraft details.

Report dimensions are:

- Aircraft Type

Figure 11-47 In Flight Aircraft Details



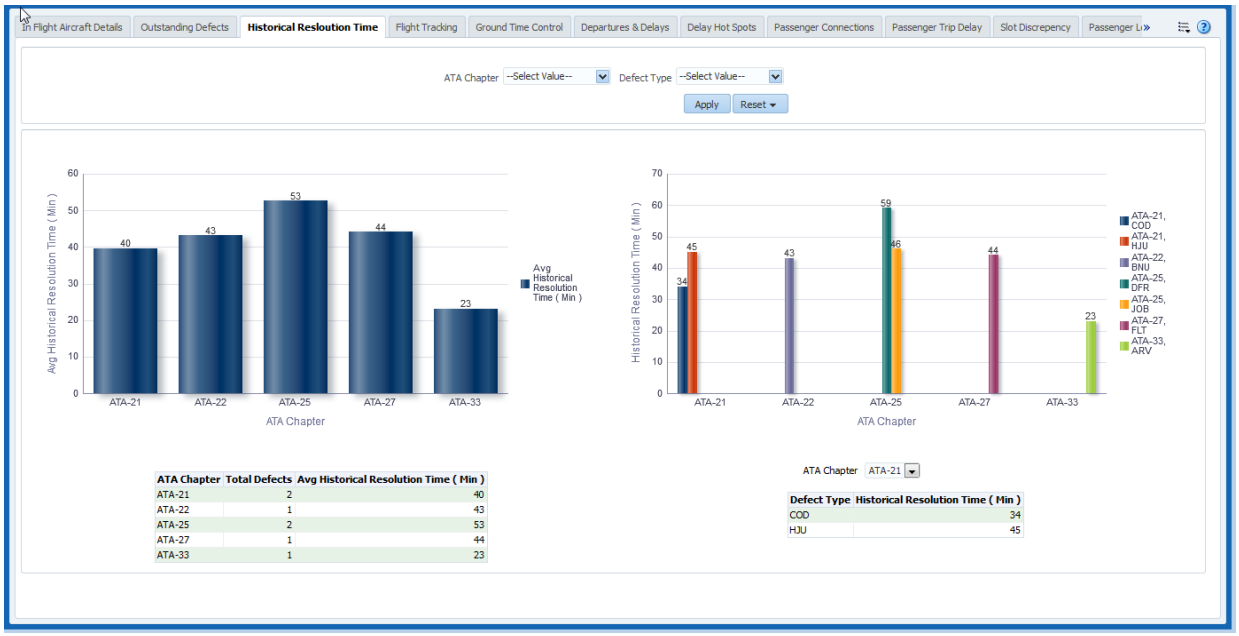
11.9.2 Historical Resolution Time

This report provides an analysis of the historical resolution time for a ATA chapters.

Report dimensions are:

- Time
- Defect Type

Figure 11-48 Historical Resolution Time



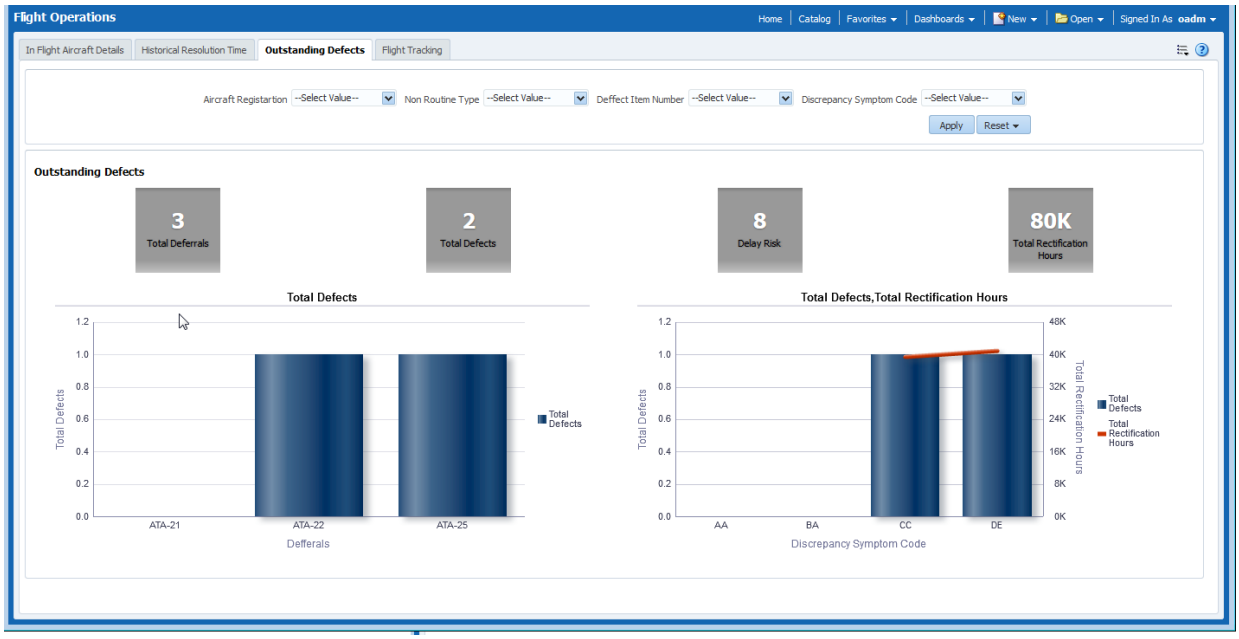
11.9.3 Outstanding Defects

This report provides the defect count details.

Report dimensions are:

-

Figure 11-49 Outstanding Defects



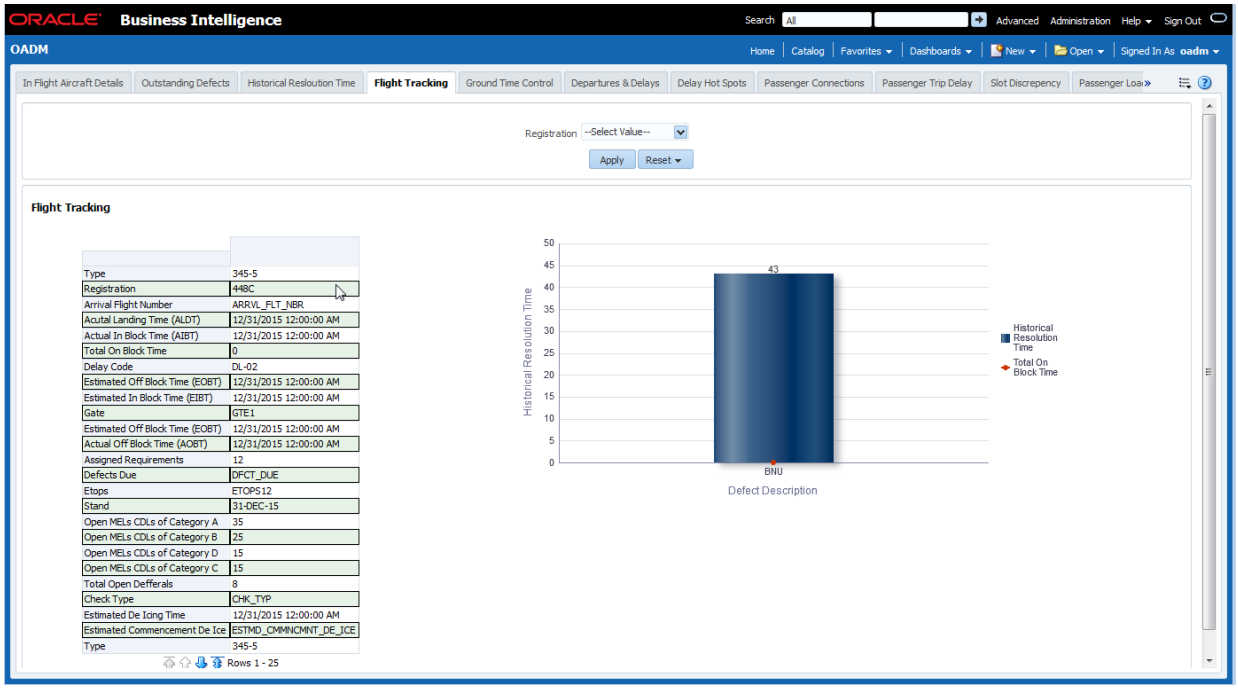
11.9.4 Flight Tracking

This report provides an analysis of the historical resolution time for a ATA chpters.

Report dimensions are:

- Time
- Defect Type

Figure 11-50 Flight Tracking



11.10 Maintenance and Operations Control Reports

The maintenance and operations control reports include the following areas:

- Passenger Load (page 11-45)
- Number of Defects (page 11-45)
- Average MEL Clearance Time (page 11-46)
  Provides information on average MEL Clearance Time.
- Non Routine Resolution Analysis (page 11-47)
- Non Routine Analysis (page 11-47)
- Slot Discrepancy (page 11-47)
- Defect Aging (page 11-48)

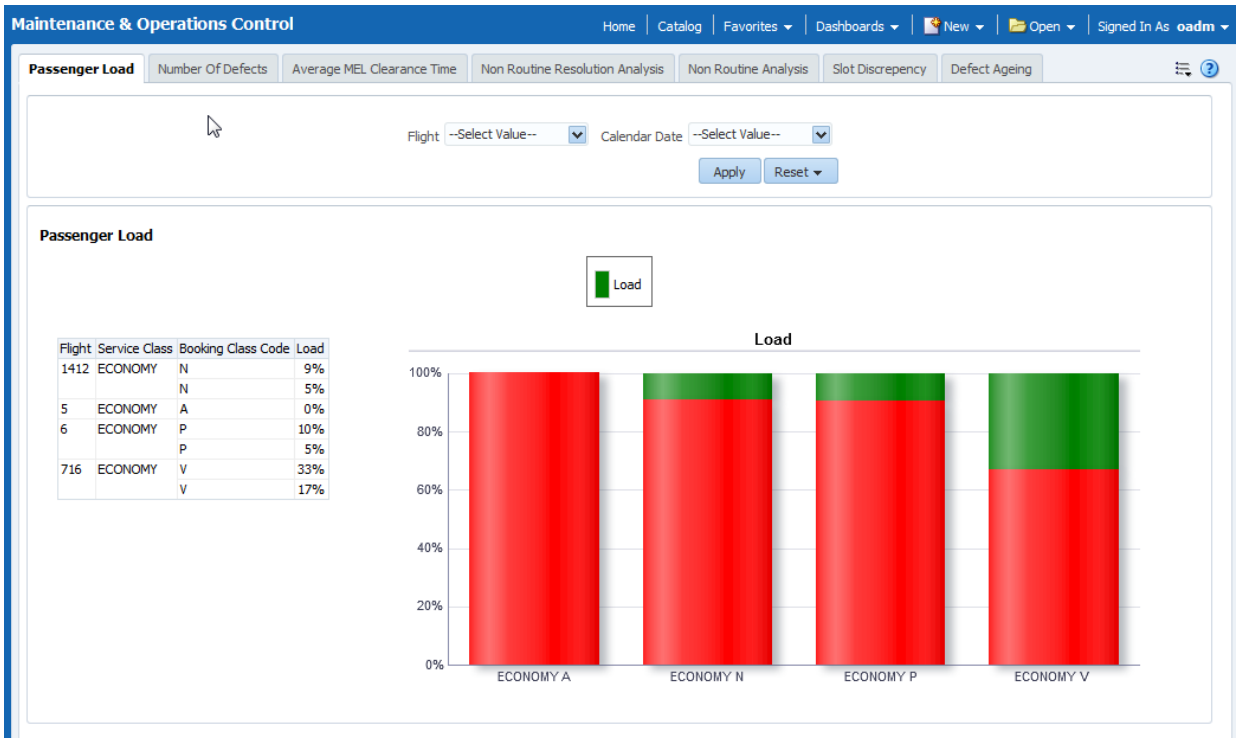
11.10.1 Passenger Load

This report provides an assessment of current load.

Report dimensions are:

- Flight

Figure 11-51 Passenger Load



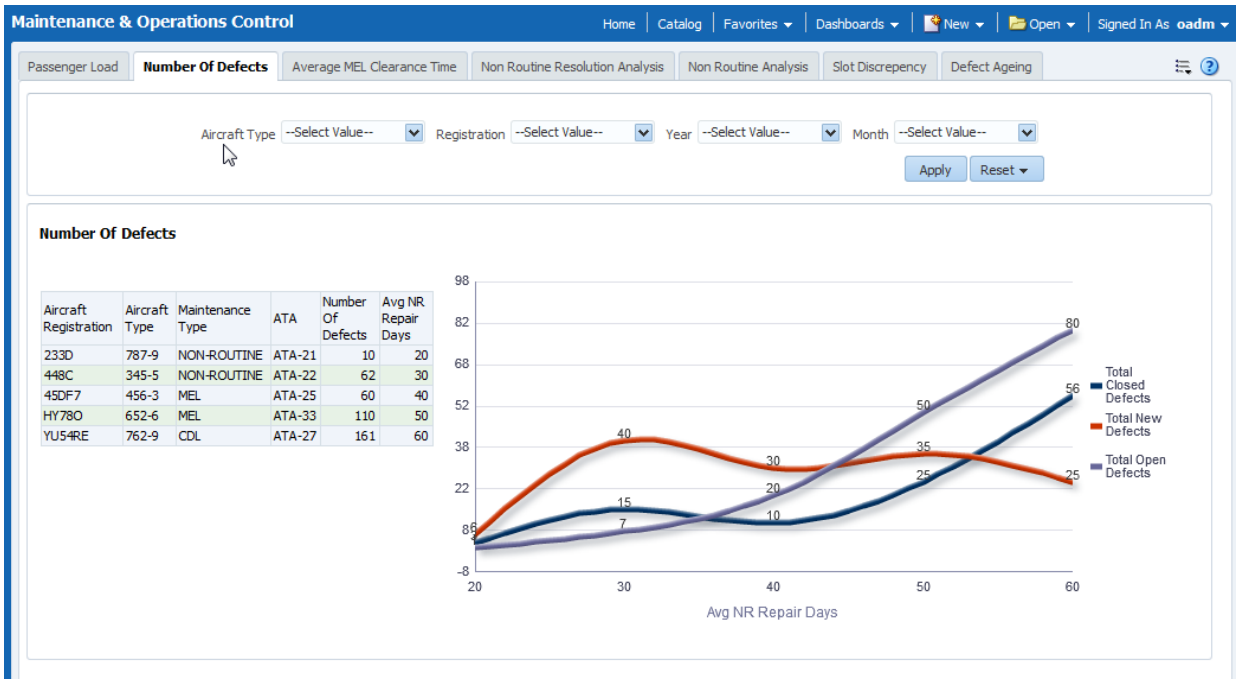
11.10.2 Number of Defects

This report provides information on number of defects and the resolution time for defects.

Report dimensions are:

- Aircraft Type

Figure 11-52 Number of Defects



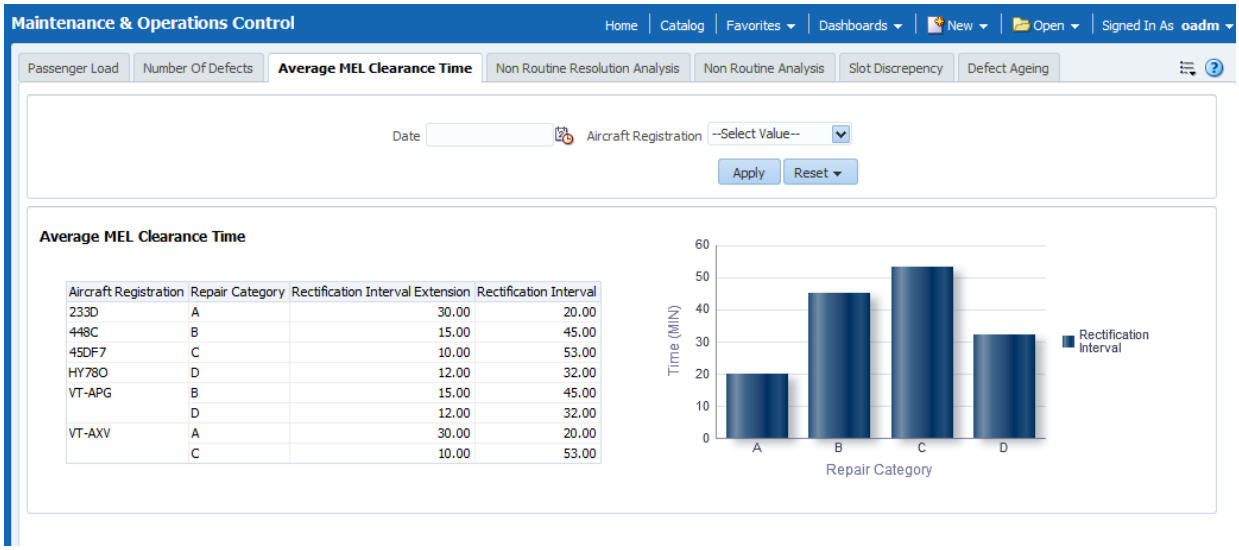
11.10.3 Average MEL Clearance Time

Provides information on average MEL Clearance Time.

Report dimensions are:

- Aircraft Type

Figure 11-53 Average MEL Clearance Time



11.10.4 Non Routine Resolution Analysis

This report provides information

Report dimensions are:

-

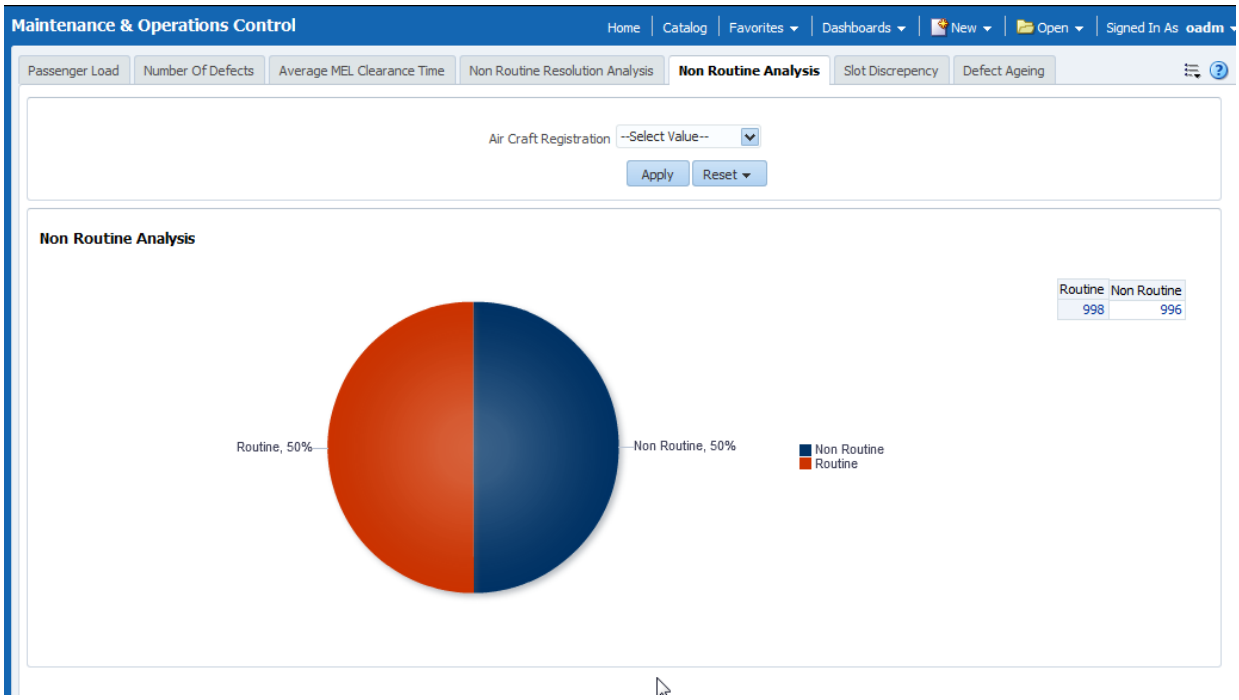
11.10.5 Non Routine Analysis

This report provides a break down of work analysis by ATA chapter.

Report dimensions are:

- ATA Chapter

Figure 11-54 Non Routine Analysis



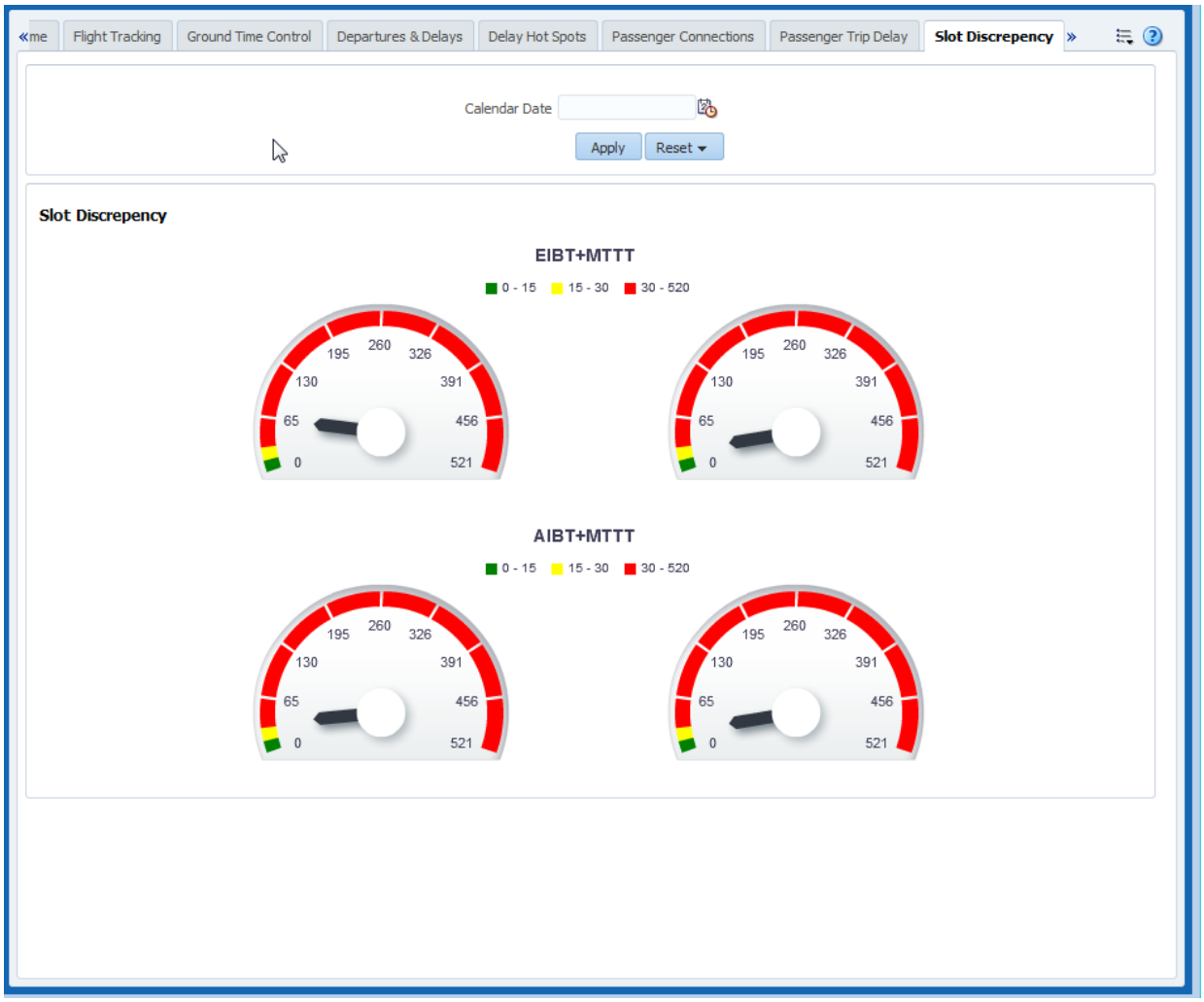
11.10.6 Slot Discrepancy

This report provides a report on whether flight estimates are consistent.

Report dimensions are:

-

Figure 11-55 Slot Discrepancy



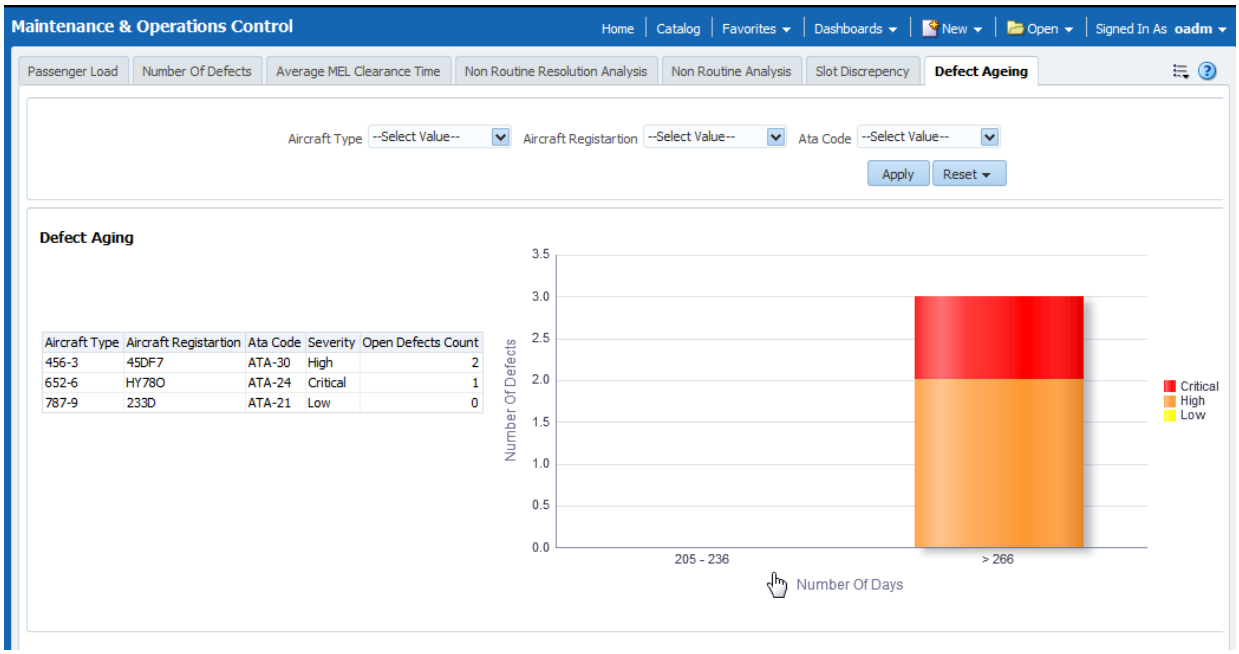
11.10.7 Defect Aging

This report provides a report on defect aging.

Report dimensions are:

- ATA Chapter
- Time

Figure 11-56 Defect Aging



11.11 Special Location Gate Reports

The eports include the following areas:

- Delay Hot Spots (page 11-49)
- Departures and Delays (page 11-50)
- Ground Time Control (page 11-51)

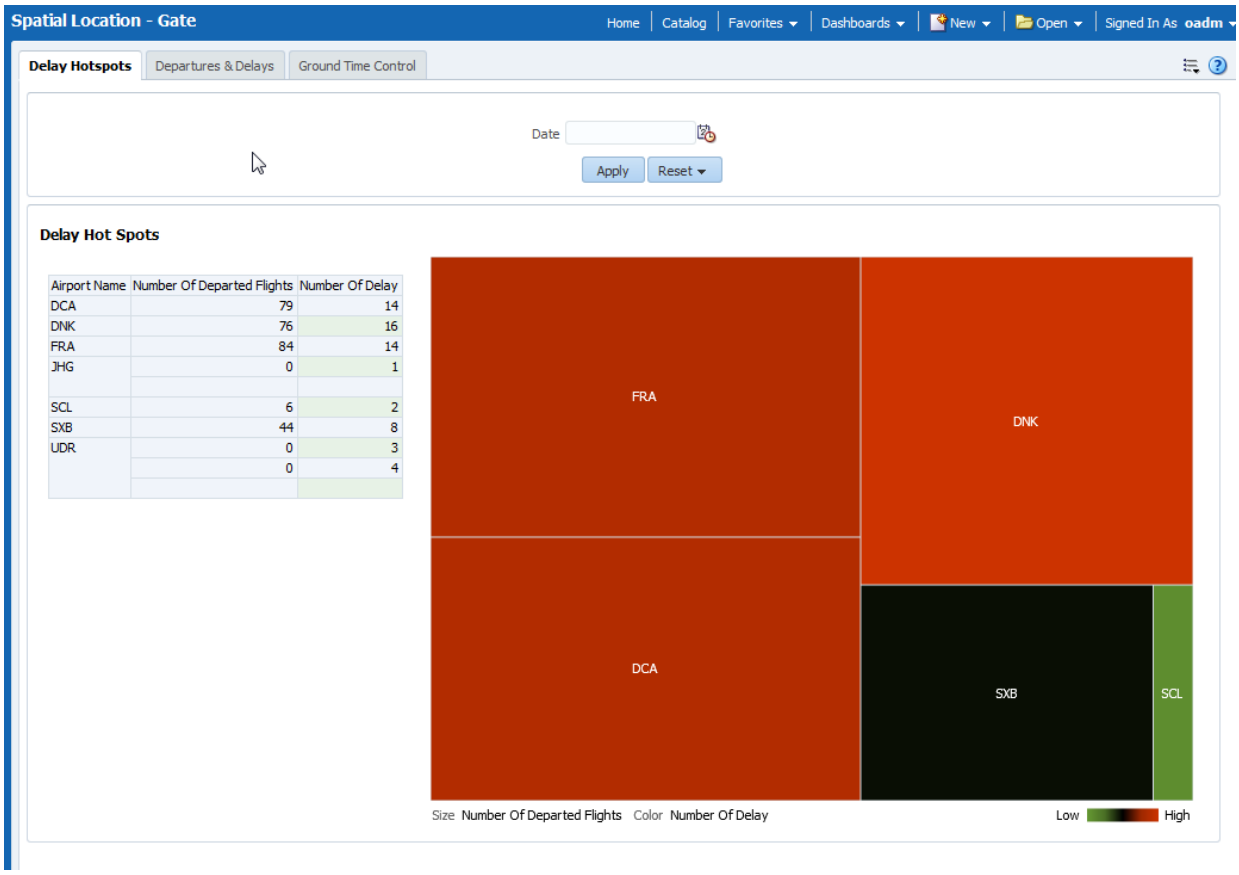
11.11.1 Delay Hot Spots

This report provides a heat map display of the selected airport indicating on time departure efficiency.

Report dimensions are:

- Airport Code

Figure 11-57 Delay Hot Spots



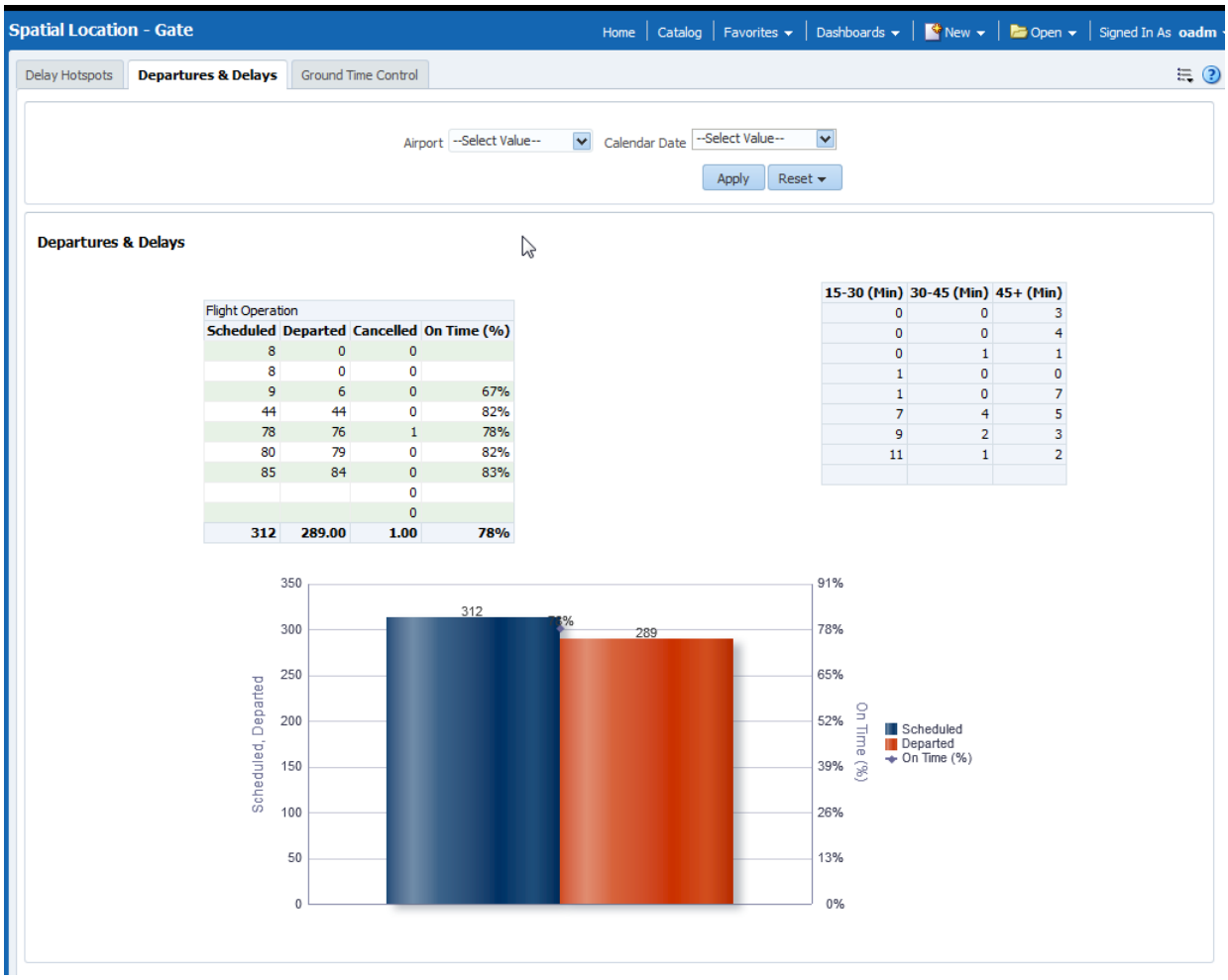
11.11.2 Departures and Delays

This report provides a description of the delays and departures.

Report dimensions are:

- Time

Figure 11-58 Departures and Delays



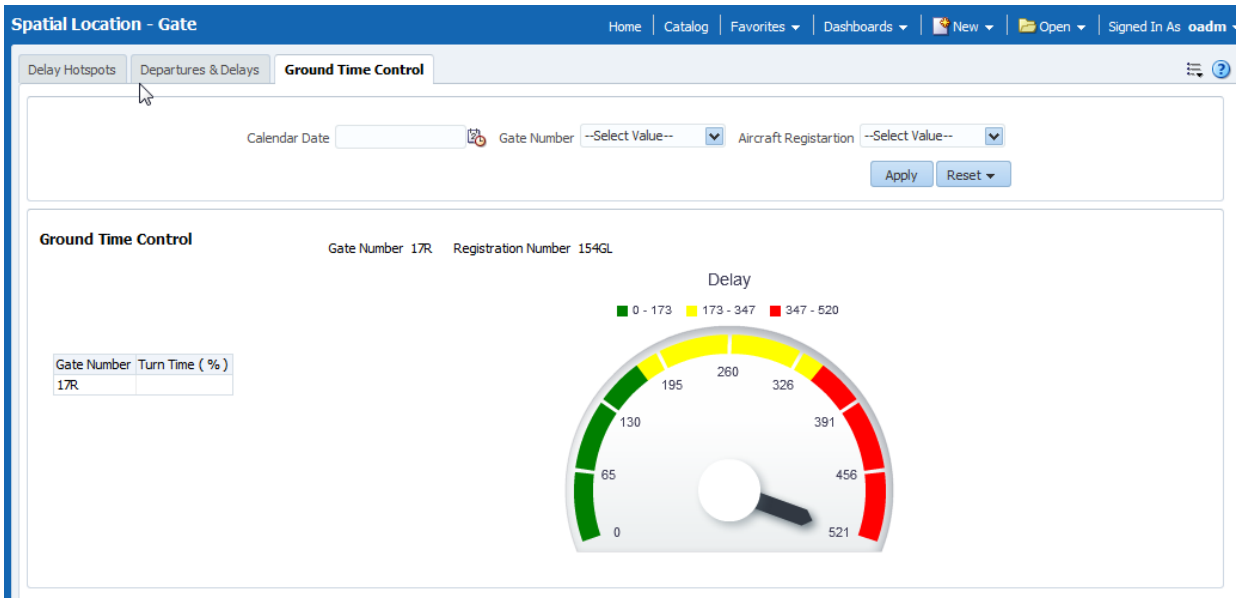
11.11.3 Ground Time Control

This report provides a count down initiated from when the ground time indicator is set.

Report dimensions are:

- Aircraft Registration

Figure 11-59 Ground Time Control



11.12 Special Location Passenger Reports

The reports include the following areas:

- Passenger Connections (page 11-52)
- Passenger Trip Delay (page 11-53)

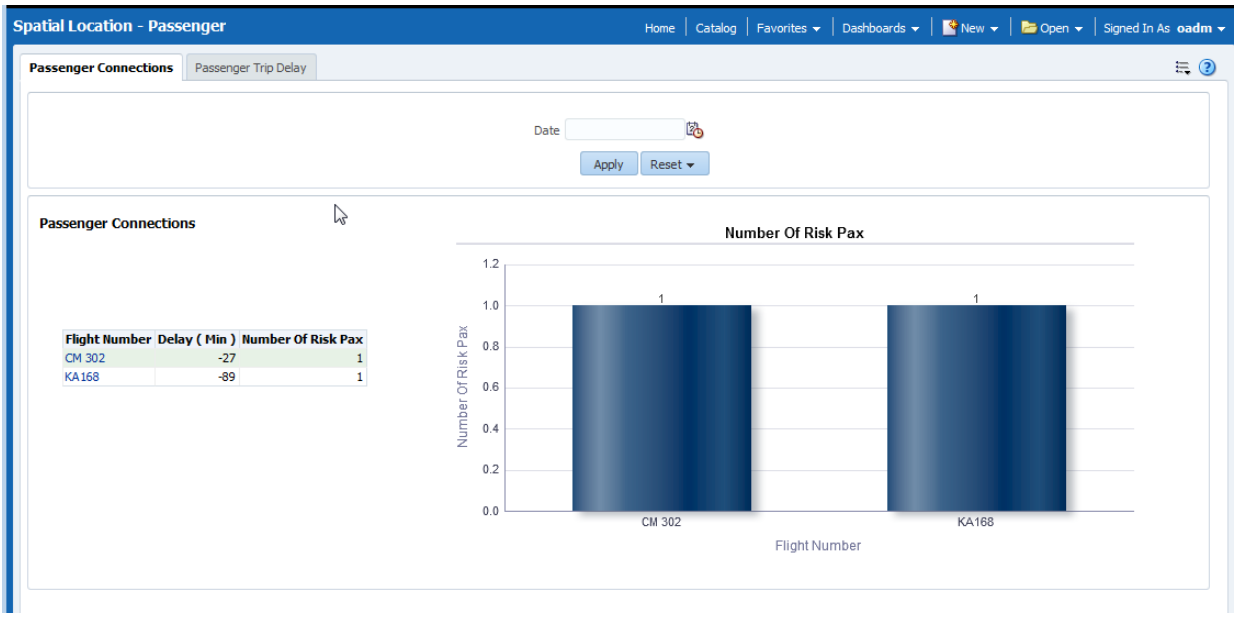
11.12.1 Passenger Connections

This report provides a report of the at risk passenger connections.

Report dimensions are:

- Flight Number

Figure 11-60 Passenger Connections



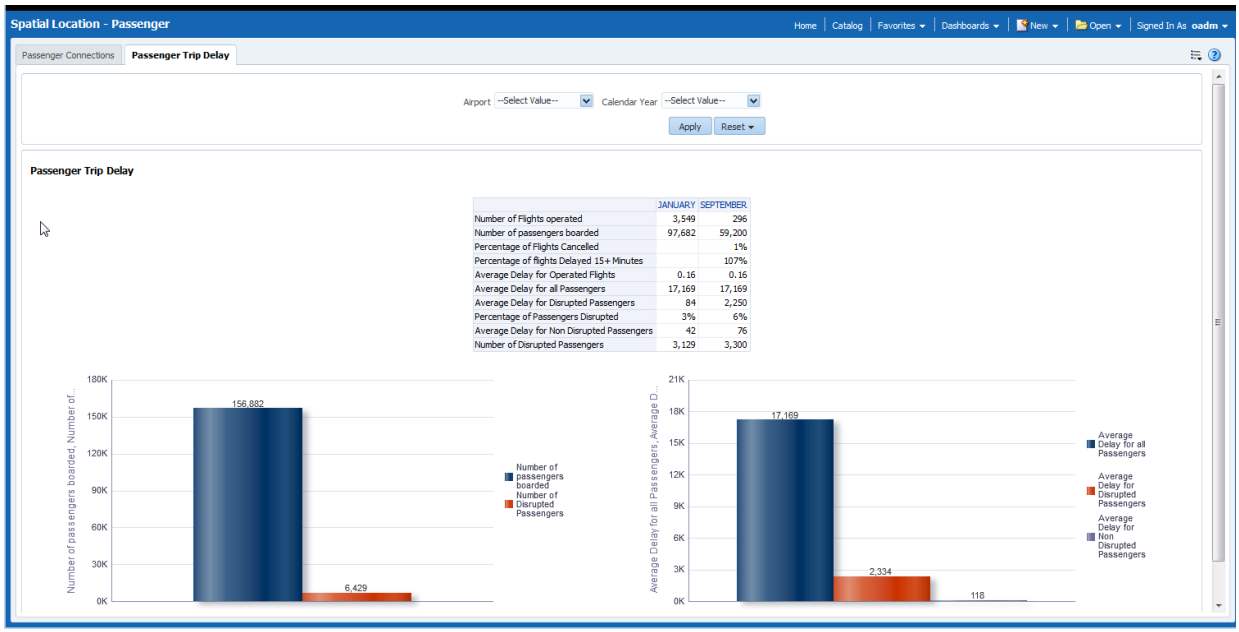
11.12.2 Passenger Trip Delay

This report provides information on passenger trip delays.

Report dimensions are:

-

Figure 11-61 Passenger Trip Delay



11.13 TAT Analysis Reports

The reports include the following areas:

- Aircraft Dispatch Reliability (page 11-54)

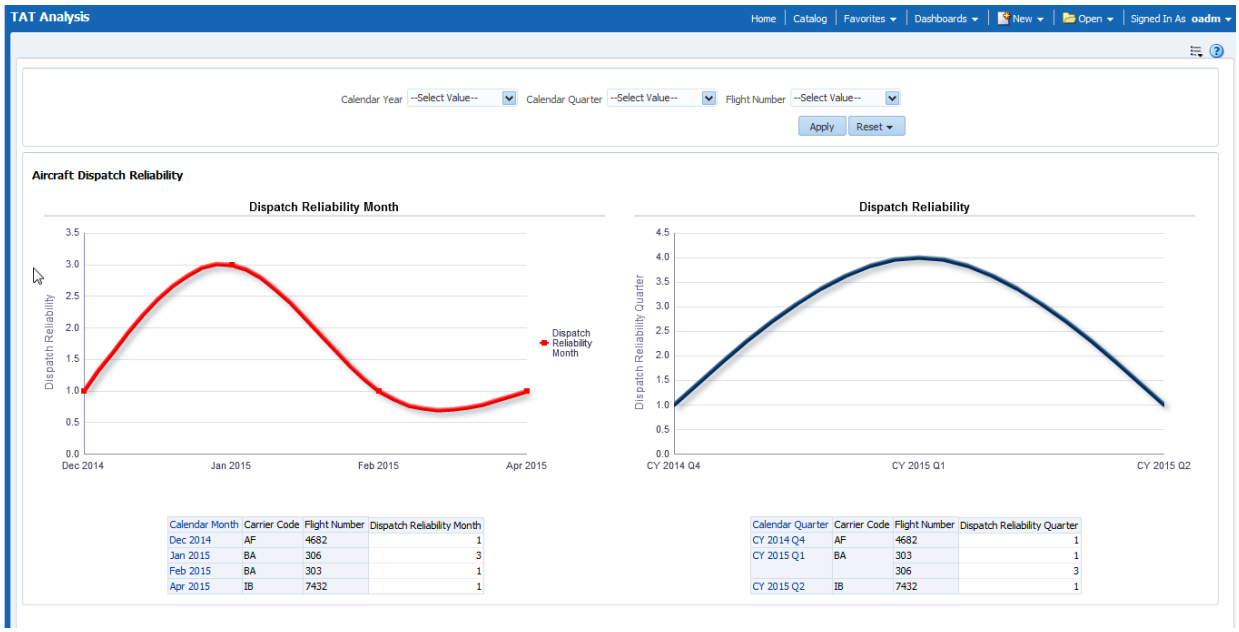
11.13.1 Aircraft Dispatch Reliability

This report provides a report on the probability that the aircraft will take off on scheduled time.

Report dimensions are:

- Flight Number
- Time

Figure 11-62 Aircraft Dispatch Reliability



Part III
Appendices

Part III contains the following Appendixes:

- Control Tables (page A-1)
  Some tables are defined in the OADM_SYS schema and use a DWC_ prefix, but are not part of Oracle Airlines Data Model. You use the DWC_ control tables when processing the model. For example, when loading data or when monitoring errors.
- Database Users and Privileges (page B-1)
  Describes the Oracle Airlines Data Model users and privileges for OADM_SYS, OADM_SAMPLE, OADM_USER, and OADM_REPORT.

A
Control Tables

Some tables are defined in the OADM_SYS schema and use a DWC_ prefix, but are not part of Oracle Airlines Data Model. You use the DWC_ control tables when processing the model. For example, when loading data or when monitoring errors.

- Intra-ETL Load Parameters Control Table (page A-1)
  Before you run the Intra-ETL, for an incremental load, you must update the Oracle Airlines Data Model Relational ETL parameters in the DWC_ETL_PARAMETER table so that this information can be used when loading the relational data. This program prompts for several environment parameter values, and reads ETL parameters from the DWC_ETL_PARAMETER table.
- Intra-ETL OLAP Mapping Control Table (page A-2)
  The OLAP MAP mapping that loads OLAP cube data invokes the analytic workspace build function from the PKG_OADM_OLAP_ETL_AW_LOAD package. This package loads data from Oracle Airlines Data Model aggregate materialized views into the Oracle Airlines Data Model analytical workspace and calculates the forecast data.
- Intra-ETL Monitoring Process Control Tables (page A-3)
  Two control tables in the `oadm_sys` schema, `DWC_INTRA_ETL_PROCESS` and `DWC_INTRA_ETL_ACTIVITY`, monitor the execution of the Intra-ETL process.
- Intra-ETL Parameter Management Tables (page A-4)
  The design of the parameter management enables you to restrict the control on the parameter values. The parameter restrictions should be managed only by a project DBA and architect. A project DBA must provide only read access to others.
- Intra-ETL Error Management Table (page A-5)
  Shows the Intra-ETL error control management and message tables.

A.1 Intra-ETL Load Parameters Control Table

Before you run the Intra-ETL, for an incremental load, you must update the Oracle Airlines Data Model Relational ETL parameters in the DWC_ETL_PARAMETER table so that this information can be used when loading the relational data. This program prompts for several environment parameter values, and reads ETL parameters from the DWC_ETL_PARAMETER table.

The PKG_DWD_*_MAP loads data from Oracle Airlines Data Model base tables into the Oracle Airlines Data Model derived tables. These packages read relational ETL parameters from the DWC_ETL_PARAMETER table.

You update the parameters in the `DWC_ETL_PARAMETER` control table in the `oadm_sys` schema so that this information can be used when loading the derived and aggregate tables and views.

Table A-1 DWC_ETL_PARAMETER Table

Column	Description
PROCESS_NAME	OADM-INTRA-ETL
FROM_DATE_ETL	The start date of ETL period.
TO_DATE_ETL	The end date of ETL period.
LOAD_DT	The date when this record are populated.
LAST_UPDT_DT	The date when this record are last updated
LAST_UPDT_BY	The user who last updated this record

A.2 Intra-ETL OLAP Mapping Control Table

The OLAP MAP mapping that loads OLAP cube data invokes the analytic workspace build function from the PKG_OADM_OLAP_ETL_AW_LOAD package. This package loads data from Oracle Airlines Data Model aggregate materialized views into the Oracle Airlines Data Model analytical workspace and calculates the forecast data.

The PKG_OADM_OLAP_ETL_AW_LOAD reads OLAP ETL parameters from the DWC_OLAP_ETL_PARM table.

You update the Oracle Airlines Data Model OLAP ETL parameters in `DWC_OLAP_ETL_PARM` control table in the `oadm_sys` schema so that this information can be used when loading the OLAP cube data.

Table A-2 ETL Parameters in the DWC_OLAP_ETL_PARM Table

Column Name	Description
BUILD_METHOD	Cube build/refresh method specified by a value: • `C` specifies a complete refresh which clears all dimension values before loading. • `?` specifies a fast refresh if possible; otherwise, a complete refresh. (Default)
CUBENAME	Specifies the cubes you want to build: `ALL` builds all of the cubes in the Oracle Airlines Data Model analytic workspace. *`cubename`*[[`|`*`cubename`*]...] specifies one or more cubes, as specified with *`cubename`*, to build.
MAXJOBQUEUES	A decimal value that specifies the number of parallel processes to allocate to this job. (Default value is `4`.) The value that you specify varies depending on the setting of the JOB_QUEUE_PROCESSES database initialization parameter
CALC_FCST	One of the following values depending on whether you want to calculate forecast cubes: • `Y` specifies calculate forecast cubes. • `N` specifies do not calculate forecast cubes.
NO_FCST_YRS	If the value for the CALC_FCST column is Y, specify a decimal value that specifies how many years forecast data you want to calculate; otherwise, specify NULL.

Table A-2 (Cont.) ETL Parameters in the DWC_OLAP_ETL_PARM Table

Column Name	Description
FCST_MTHD	If the value for the CALC_FCST column is Y, then specify AUTO; otherwise, specify NULL.
FCST_ST_YR	If the value for the CALC_FCST column is Y, then specify value specified as yyyy which is the "start business year" of a historical period;.
FCST_END_YR	If the value for the CALC_FCST column is Y, then specify value specified as yyyy which is the "end business year" of a historical period;
OTHER1	Specify NULL.
OTHER2	Specify NULL.

A.3 Intra-ETL Monitoring Process Control Tables

Two control tables in the `oadm_sys` schema, `DWC_INTRA_ETL_PROCESS` and `DWC_INTRA_ETL_ACTIVITY`, monitor the execution of the Intra-ETL process.

Table A-3 DWC_INTRA_ETL_PROCESS Columns

Columns Name	Data Type	Not Null	Remarks
PROCESS_KEY	NUMBER(30,0)	No	Primary Key, System Generated Unique Identifier
PROCESS_TYPE	VARCHAR2(20 BYTE)	No	No value
PROCESS_START_TIME	DATE	No	ETL Process Start Date and Time
PROCESS_END_TIME	DATE	Yes	No value
PROCESS_STATUS	VARCHAR2(30 BYTE)	No	Current status of the process
OLD_PROCESS_KEY	NUMBER(22,0)	Yes	No value
FROM_DATE_ETL	DATE	Yes	No value
TO_DATE_ETL	DATE	Yes	No value
LOAD_DT	DATE	Yes	No value
LAST_UPDT_DT	DATE	Yes	No value
LAST_UPDT_BY	VARCHAR2(30 BYTE)	Yes	No value

Table A-4 DWC_INTRA_ETL_ACTIVITY Columns

Columns Name	Data Type	Not Null	Remarks
ACTIVITY_KEY	NUMBER(30,0)	No	Primary Key, System Generated Unique Identifier

Table A-4 (Cont.) DWC_INTRA_ETL_ACTIVITY Columns

Columns Name	Data Type	Not Null	Remarks
PROCESS_KEY	NUMBER(30,0)	No	Process Key. FK to DWC_INTRA_ETL_PROCESS table.
ACTIVITY_NAME	VARCHAR2(50 BYTE)	No	Activity Name or Intra-ETL Program Name
ACTIVITY_DESC	VARCHAR2(500 BYTE)	Yes	No value
ACTIVITY_START_TIME	DATE	No	Intra ETL Program Start Date and Time
ACTIVITY_END_TIME	DATE	Yes	No value
ACTIVITY_STATUS	VARCHAR2(30 BYTE)	No	Current status of the process
COPIED_REC_IND	CHAR(1 BYTE)	Yes	No value
ERROR_DTL	VARCHAR2(2000 BYTE)	Yes	No value
LOAD_DT	DATE	Yes	No value
LAST_UPDT_DT	DATE	Yes	No value
LAST_UPDT_BY	VARCHAR2(30 BYTE)	Yes	No value

A.4 Intra-ETL Parameter Management Tables

The design of the parameter management enables you to restrict the control on the parameter values. The parameter restrictions should be managed only by a project DBA and architect. A project DBA must provide only read access to others.

Table A-5 DWC_ACTIVITY Columns

Columns Name	Data Type	Not Null	Remarks
ACTIVITY_ID	NUMBER	No	Marks the identifier for PL/SQL procedures.
ACTIVITY_NAME	VARCHAR2(255 BYTE)	Yes	Name of the PL/SQL program.

Table A-6 DWC_ACTIVITY_PARM Columns

Columns Name	Data Type	Not Null	Remarks
ACTIVITY_ID	NUMBER	No	The identifier for PL/SQL procedures
PARM_TYPE_ID	NUMBER	No	The identifier for a defined parameter
PARM_POSITION	NUMBER	Yes	A unique number for repeated use of the same parameter in a program
PARM_VAL_TXT	VARCHAR2(255 BYTE)	Yes	The true value of the parameter

Table A-7 DWC_ACTIVITY_PARM_TYP Columns

Columns Name	Data Type	Not Null	Remarks
PARM_TYPE_ID	NUMBER	No	The identifier for a defined parameter.
PARM_TYPE_NAME	VARCHAR2(255 BYTE)	Yes	Name of the parameter

A.5 Intra-ETL Error Management Table

Shows the Intra-ETL error control management and message tables.

Table A-8 DWC_ERROR_LOG Columns

Columns Name	Data Type	Not Null	Remarks
ERROR_ID	NUMBER	NO	Primary Key, System Generated Unique Identifier
ERROR_CD	VARCHAR2(30 BYTE)	YES	It contains error code which generate at execution time.
ERROR_DESC	VARCHAR2(600 BYTE)	YES	It contains the long description of error.
SRC_ID	NUMBER	YES	It contains the primary key of the source table.
LOAD_DT	TIMESTAMP(6)	YES	It contains the execution timestamp which helps to determine the load time.
OBJECT_TYP	VARCHAR2(25 BYTE)	YES	The attribute stores the type of object. For example, Package or Procedure and so on.
OBJECT_NM	VARCHAR2(250 BYTE)	YES	The attribute stores object name.
OWNR	VARCHAR2(40 BYTE)	YES	None
CRE_BY	VARCHAR2(60 BYTE)	YES	None
CRE_TMSTMP	TIMESTAMP(6)	YES	None
UPD_BY	VARCHAR2(60 BYTE)	YES	None
UPD_TMSTMP	TIMESTAMP(6)	None	None

Table A-9 DWC_MESSAGE Columns

Columns Name	Data Type	Not Null
MESSAGE_NO	NUMBER(6,0)	NO
LANGUAGE	VARCHAR2(50 BYTE)	NO
MESSAGE_TEXT	VARCHAR2(200 BYTE)	NO

B

Database Users and Privileges

Describes the Oracle Airlines Data Model users and privileges for OADM_SYS, OADM_SAMPLE, OADM_USER, and OADM_REPORT.

B.1 Oracle Airlines Data Model Database Users and Privileges

Describes the Oracle Airlines Data Model users and privileges for OADM_SYS, OADM_SAMPLE, OADM_USER, and OADM_REPORT.

OADM_SYS and OADM_SAMPLE Privileges

OADM_SYS is the schema owner of OADM database objects and OADM_SAMPLE is schema owner of OADM database objects with sample data. The same set of privileges are set for both OADM_SYS and OADM_SAMPLE.

Table B-1 Database Users and Privileges: OADM_SYS and OADM_SAMPLE

Privilege	Justification
create materialized view	To create materialized view in OADM_SYS and OADM_SAMPLE schemas
create procedure	To create procedure in OADM_SYS and OADM_SAMPLE schemas
create sequence	To create sequence in OADM_SYS and OADM_SAMPLE schemas
create session	To create session to execute SQL,PL/SQL scripts as OADM_SYS and OADM_SAMPLE users
create synonym	Synonyms are used as alternative table names
create table	To create table in OADM_SYS and OADM_SAMPLE schemas
create tablespace	To create tablespace in OADM_SYS and OADM_SAMPLE schemas
create type	To create type in OADM_SYS and OADM_SAMPLE schemas
create view	To create view in OADM_SYS and OADM_SAMPLE schemas
create mining model	To create mining model in OADM_SYS and OADM_SAMPLE schemas
execute on ctxsys.ctx_ddl	To use Oracle Text for customer sentiment analysis in OADM_SYS and OADM_SAMPLE schemas
olap_user	To create Analytic Workspace, cubes, and cube dimensions in OADM_SYS and OADM_SAMPLE schemas
create dimension	To create dimension in OADM_SYS and OADM_SAMPLE schemas
create job	for OADM_user to run olap package

OADM_USER Privileges

The OADM_USER database user invokes the Intra-ETL packages and OLAP data loading.

Table B-2 Database Users and Privileges: OADM_USER

Privilege	Justification
create session	To create session to invoke Intra-ETL packages and OLAP data loading.
execute on	Privilege to invoke Intra-ETL packages and OLAP package owner by OADM_SYS schema

OADM_REPORT Privileges

The OADM_REPORT database user invokes OBIEE services to query data from the OADM_SYS schema and return query results back to OBIEE services.

Table B-3 Database Users and Privileges: OADM_REPORT

Privilege	Justification
create session	To create session to query data from OADM_SYS schema.
select on	Select privilege on OADM_SYS tables, views, cubes, and cube dimensions.

Index

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