Oracle® Airlines Data Model

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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 Enterprise 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

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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

This part provides introductory information and details for the Oracle Airlines Data Model Logical and Physical Data model.

Part I contains the following chapters:

1

Introducing Oracle Airlines Data Model

This chapter introduces the Oracle Airlines Data Model.

This chapter includes the following sections:

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. These business intelligence solution offerings take advantage of Oracle's scalability and reliability, using Oracle's familiar optimization, parallelism, and performance engineering within the database.

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.

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.

What Are the Components of Oracle Airlines Data Model?

Oracle Airlines Data Model includes the following components:

- Logical Model

  Chapter 2, "Logical Data Model" describes the logical data model.

- Physical Model

  Chapter 3, "Oracle Airlines Data Model Physical Data Model" describes the physical data model. The logical to physical mapping is detailed in Chapter 4, "Oracle Airlines Data Model Logical to Physical Mapping". Chapter 5, "Oracle Airlines Data Model Partitioning" provides the partitioning strategy for the Oracle Airlines Data Model physical base, derived, and aggregate tables.

- Intra-ETL database packages and SQL scripts to extract, transform, and load (ETL) data from one layer of Oracle Airlines Data Model to another. The intra-ETL packages and SQL scripts are described in detail in Chapter 6, "Oracle Airlines Data Model Intra-ETL".

- OLAP Models for Oracle Airlines Data Model

  Chapter 7, "Oracle Airlines Data Model OLAP Model Dimensions" and Chapter 8, "Oracle Airlines Data Model OLAP Model Cubes" describe the OLAP Models.

- Pre-defined Data Mining Models

  These models are described in detail in Chapter 9, "Oracle Airlines Data Model Data Mining Models".

- Utility Scripts

  The utility scripts are described in Chapter 10, "Oracle Airlines Data Model Utility Scripts".

- Sample reports and sample dashboards

  Chapter 11, "Oracle Airlines Data Model Sample Reports" shows sample reports.

- Installation scripts

  For more information on installation, refer to the *Oracle Airlines Data Model Installation Guide*.

Oracle Products That Make Up Oracle Airlines Data Model

Several Oracle technologies 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, and online analytical processing (OLAP).

Oracle Development Tools

Table 1–1 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 Enterprise Edition Presentation Tools

Oracle Business Intelligence Suite Enterprise 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 Enterprise 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

The logical data model of the Oracle Airlines Data Model defines the business entities and their relationships and provides an understanding of the business and data requirements for the Oracle Airlines Data Model data warehouse.

This chapter includes the following sections:

> **Note:** 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.

Reference Entities

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

Table 2–1 lists the reference entities.

Table 2–1 Reference Entity List

Entity List
ACCOUNT
AIRPORT
AWARD VOUCHER
BANK CARD
BOOKING OFFICE
BOOKING OFFICE USER

Table 2–1 (Cont.) Reference Entity List

Entity List
BOOKING PASSENGER DOCUMENT INFORMATION
BOOKING PASSENGER
BOOKING PRODUCT
BOOKING SEAT PREFERENCE
BOOKING SERIES
BOOKING SSR BRDG
BOOKING TST PRICE
BOOKING TST SEGMENT
CARRIER
CHECKIN BAGGAGE GROUP
CHECKIN INDIVIDUAL BAGGAGE
CODESHARE
CODESHARE BRIDGE
CUSTOMER SEGMENTATION
CUSTOMER SEGMENTATION DETAILS
FLIGHT
FREQUENT FLYER
GROUPING
INFLIGHT MEAL
LEG
LOYALTY ACCOUNT
LOYALTY LEVEL
ODT ACCOUNT
OPTION
PARTY
PASSENGER CONTACT
PASSENGER COUNTRY ADDRESS INFORMATION
PASSENGER VISA INFORMATION
PDI CHARACTERISTIC
PNR PARENT CHILD RELATIONSHIP
POS GOODS OFFICE
SERVICE
TICKET COUPON
TSM
TSM PASSENGER
VEHICLE

Lookup Entities

In Oracle Airlines Data Model 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.

Table 2–2 lists the lookup entities.

Table 2–2 Lookup Entity List

Entity List
ACCOUNT LEVEL
ACCOUNT TRANSFER REASON
ACCOUNT TYPE
AIRCRAFT TYPE
AIRCRAFT VERSION
BANK CARD TYPE
BOOKING CLASS
BOOKING OTHER SERVICE
BOOKING REMARK
CARRIER TYPE
COMPENSATORY REASON
COMPLAIN CLASS
COMPLAIN TYPE
FARE ELEMENT
INTERACTION REASON
INTERACTION RESULT TYPE
LETTER TYPE
PARTY INTERACTION ITEM STATUS
PARTY STATUS
PNR TYPE
PDI CHANNEL
SALES CHANNEL
TRAFFIC CATEGORY
TSM EXCESS BAGGAGE
TSM MCO
TSM PRICE
TSM ROUTE
TSM SERVICE

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 for advanced analysis.

Table 2–3 lists the Base entities.

Table 2–3 Base Entity List

Entity List
ACCOUNT LEVEL HISTORY
ACCOUNT TRANSFER
BOOKING
CAR RENTAL
CHECKIN
COMPENSATORY EARNING
COMPLAIN ADVICE
DIRECT EARNING
EARNING EVENT
FLIGHT CHANGE
FLIGHT SCHEDULE
HOTEL BOOKING
LOYALTY ACCOUNT LEVEL HISTORY
LOYALTY CONVERSION
LOYALTY POINTS EXPIRE
LOYALTY PROGRAM
PARTNER EARNING
PARTY INTERACTION CALL
PARTY INTERACTION EMAIL
PARTY INTERACTION
PARTY INTERACTION FAX
PARTY INTERACTION ITEM
PARTY INTERACTION LETTER
PARTY INTERACTION SMS
PARTY INTERACTION THREAD
PARTY INTERACTION VISIT
PNR
SEGMENT SCHEDULE
TICKET
TICKET DELIVERY ARRANGEMENT
TOUR
TRANSFER EARNING

Derived Entities

Table 2–4 lists the Derived entities.

Table 2–4 Derived Entity List

Entity List
BOOKING FACT
CALL CENTER PERFORMANCE
CHECKIN FACT
CUSTOMER LIFE TIME VALUE SUPPORT VECTOR MACHINE FACTOR
CUSTOMER LOYALTY DECISION TREE RULES
CUSTOMER LOYALTY SUPPORT VECTOR MACHINE FACTOR
CUSTOMER MINING
CUSTOMER RECENCY FREQUENCY MONETARY PROFITABILITY SCORE
FLIGHT DETAILS FACT
FREQUENT FLIER PREDICTION DECISION TREE RULES
FREQUENT FLIER PREDICTION SUPPORT VECTOR MACHINE FACTOR
LOYALTY ACCOUNT LEVEL HISTORY
LOYALTY PROGRAM
NON FREQUENT FLIER MINING
PNR
TICKET

Aggregate Entities

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

Table 2–5 lists the Aggregate entities.

Table 2–5 Aggregate Entity List

Entity List
BOOKING DAILY INVENTORY SNAPSHOT
CHECKIN DAILY FACT
DAILY BOOKING FACT
DAILY CALL CENTER PERFORMANCE
DAILY FLIGHT DETAILS
DAILY LOYALTY ACCOUNT
DAILY LOYALTY ACCOUNT BOOKING

Logical Data Model Entity Dictionary

Table 2–6 through Table 2–8 list the logical data model entities, in alphabetical order.

Table 2–6 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
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
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 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
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
AWARD VOUCHER	Reference	Specifies the award voucher given by an airline.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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.
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 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 ELECTRONIC MISCELLANEOUS DOCUMENT (EMD).
BILLING TRANSACTION EMD REMARKS	Base	The billing transaction remarks from 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.
BILLING TRANSACTION PREPAID TICKET ADVICE SPONSOR INFORMATION	Base	Billing transaction prepaid ticket advice sponsor information.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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.
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, cancellations, 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.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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: one booking can have two passengers only 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.
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	This entity is used to store the BOOKING change history.
BOOKING STATUS CHANGE REASON	Lookup	This entity is used to store 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.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
BOOKING TST TAX	Base	Booking TST Tax information.
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.
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 WEEK	Reference	Weeks as defined in the business calendar.
BUSINESS YEAR	Reference	Defines year in a business calendar.
CALENDAR	Reference	This is a global entity which stores 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 in order to retain, acquire or consolidate customers.
CAMPAIGN MANAGEMENT HISTORY	Reference	The history of 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 customer or public as part of the CAMPAIGN.
CAMPAIGN MESSAGE	Reference	Holds details about the execution message used in a CAMPAIGN.
CAMPAIGN STATUS	Lookup	This entity keeps 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
CAR RENTAL	Base	The main entity to store the car rental transaction information.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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	This entity stores 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, checkin channel, marketing channel, and so on.
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 in a particular day and is also based on other dimensions.
CHECKIN FACT	Derived	Check-in information at the LEG level.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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	This entity stores details about the codeshare flights along with the segment and CARRIER to which the flight belongs.
COMP INTEL CHARACTERISTIC	Reference	A characteristic quality or 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.
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 in order 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

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
COMPLAIN TYPE	Lookup	Lookup for the complaint type. For example: ■ Service complaint ■ Baggage lost complaint
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 event which is trackable at 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. 1 organization can own multiple cost center for different project/product operation.
CREDIT SCORE PROVIDER	Reference	Specifies reference financial rating scores for each customers to the service provider. It is also called Credit rating agency.
CURRENCY	Lookup	Currency information
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 ticket but canceled later is also a customer for airline
CUSTOMER INDIVIDUAL	Reference	Subtype of CUSTOMER (and PARTY), which contains details of individuals as opposed to organizations.
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	It stores 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.
CUSTOMER ORGANIZATION	Reference	Subtype of CUSTOMER (and PARTY), which contains details of organizations as opposed to individuals. Note: an organization can also consist of one individual only.
CUSTOMER RECENCY FREQUENCY MONETARY PROFITABILITY SCORE	Derived	Represents customers recency, frequency, monetary, and profitability score at month level.
CUSTOMER RESTRICTED INFO	Reference	It captures the restricted information for the customer or prospects.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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 customer. CUSTOMER REVENUE BAND may drift month by month.
CUSTOMER REVENUE TYPE	Lookup	Lookup for type of revenue customer may bring to the CARRIER.
CUSTOMER SCORE	Reference	Scores or 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 holds 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
CUSTOMER SEGMENTATION	Reference	Represents details of customer segments such as profile, support record count, dispersion, and so on.
CUSTOMER SEGMENTATION DETAILS	Reference	Provides details of customer segments, such as attributes and their values of customers in a segment. The segments are obtained from segmentation mining model.
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	How the customer came in touch to the sales team. Like Campaign, Advertisement, Call center, Dealer, and so on. It is important for campaign planning and management
CUSTOMER SURVEY AGG	Aggregate	This entity contains 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, 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 CUSTOMER SURVEY	Aggregate	Specifies the daily summary data about customer survey results.
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 who resells products or services from the CARRIER.
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 2–6 (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
DERIVED VALUE	Reference	This entity stores 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.
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 group.1 employee should have several discount group, several employee should 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.
EMPLOYEE SCHEDULE	Reference	This entity stores the planned schedule for an employee, which consists of the store, job role and shift the employee is planned to be working for.
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
EVENT PARTY ASSIGNMENT	Base	This entity relates parties with events. A PARTY can have many events; and an event can involve many parties.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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	This entity 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.
FISCAL YEAR	Reference	Defines year in a fiscal calendar.
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 CHANGE	Base	Subtype of PARTY INTERACTION THREAD, about flight change or cancel.
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. This entity is a factless fact table which provided information about leg and segment of a particular flight. The airport and the aircraft information is at the leg level
FLIGHT INVENTORY	Reference	The main entity for airline flight inventory information.
FLIGHT INVENTORY NUMBER OF UNITS	Reference	This entity specifies the number of units of data which will be used to present different KPIs about 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.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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.
FLIGHT LEG INVENTORY CABIN SALECONFIG	Reference	The LEG level cabin configuration for marking sales.
FLIGHT LEG INVENTORY CABIN SALECONFIG CHARACTERISTIC	Reference	The detailed characteristic about 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 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. This entity gives information about the schedule of the flight from the FLD system. This gives on a daily basis what are the flights and how each flights are having segments and legs 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 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.
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.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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.
FLIGHT SEGMENT INVENTORY TRAFFIC RESTRICTION	Reference	The segment level inventory traffic restriction data.
FORM OF PAYMENT	Reference	All kinds of form of payment.
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 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 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.
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.

Table 2–6 (Cont.) A to G Entity Descriptions

Entity Name	Type	Description
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
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 physical connection. This is an operational layer entity which stores the grouping information required to determine the connecting flight. The grouping types can be marriages or physical connection

Table 2–7 H to Q Entity Descriptions

Entity Name	Type	Description
HALF HOUR	Reference	Half-hours defined as part of time.
HALF MONTH TODATE TRANSFORMATION	Reference	Todate 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.
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 booking 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	What kind of hotel facility is offered inside 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.
INDIVIDUAL DEMOGRAPHY VALUE	Reference	Individual demography value, the detailed information and its value collected about customers. For example age will have 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.
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.

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
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
INTERACTION RESULT TYPE	Lookup	Lookup for type of response received from customer interaction. For example: ■ Showed Interest without Decision ■ Offer accepted ■ Never call again
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 Article.Product, article or bundle of SKUs. For example, Item could be Acme shirt, with associated SKUs for each color and size of the shirt.
ITEM SEASON	Reference	Associative entity for ITEM, SEASON, and PHASE.
JOB	Reference	The type of occupation that customer is currently taking, which is the principal activity customer do 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 Speaking or written language dialect
LEG	Reference	Leg is an operational term and means 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 customer according to the content and purpose. For example: ■ Direct Marketing ■ Legal Letter ■ Contract Confirmation letter (Welcome)
LOCAL AUTHORITY TYPE	Lookup	Lookup for 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.

Table 2–7 (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	This table contains the daily summary data about LOYALTY ACCOUNT (Frequent Flyer).
LOYALTY ACCOUNT LEVEL HISTORY	Derived	The change history of 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.
MARITAL STATUS	Lookup	Marital status.
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 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.

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
MEDIA OBJECT	Reference	This is any object the campaign message may appear on. Like a Page in the newspaper, or a time slot in TV broadcasting.
MEMBERSHIP ACCOUNT	Reference	A customer account in a membership program. For example a loyalty program.
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
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.
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.
OPTION	Reference	Information about the message queues sent to a different office which holds different information about the BOOKING.
ORGANIZATION	Reference	A company, association, institution, or other enterprise of interest to a organization including retail enterprise, or the retail organization itself.
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. Holds 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 warehouse. Business Entity in an ORGANIZATION represent any logical entity that is recognized as an enterprise for Business analysis and transactions. Possible classifications for a Business Entity can include, Company, Operation Units, Stores, Warehouse, and so on.
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 level in organization hierarchy.
ORGANIZATION HIERARCHY LEVEL ASSIGNMENT	Reference	Assignment of Hierarchy Levels to ORGANIZATION HIERARCHY.

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
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. Market related information about an ORGANIZATION. In LDM the Organization Market Data entity has the SIC code and DUNS number. Duns Numbers are specific to ORGANIZATIONs where as SIC codes are for Industry sectors. So many Organizations with different Duns number can have same SIC code
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. This entity stores 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
PARTNER EARNING	Base	The entity is used store all the miles earning activity from carrier's partners.
PARTNER PROMOTION PROGRAM	Reference	Assigns costs of a given promotion to a partner or PARTY participating in the promotion.
PARTY	Reference	Any individual or 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 as well as 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.

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PARTY ACCOUNT ASSIGNMENT	Reference	This entity keeps the relationship between PARTY and account. For example A party owns the account. It maybe owned by other parties than customer, such as content provider. Then 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, 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.
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

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
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 phone call interactions from the customer with details information including: holding, queuing, interaction time, run by the Automated Voice Response - AVR - or not.
PARTY INTERACTION EMAIL	Base	Subtype of PARTY INTERACTION, which represents the email interaction from customers.
PARTY INTERACTION FAX	Base	Subtype of PARTY INTERACTION, which represents the FAX interaction from customers.
PARTY INTERACTION ITEM	Base	The interaction items in each PARTY INTERACTION event. For example, in one party interaction event: customer call to the call center there can be several party interaction items: 1. Change flight A to B 2. Change flight C to D. 3. Complain about food on flight E.
PARTY INTERACTION ITEM STATUS	Lookup	Documents the various states an interaction with a customer may be in. 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.
PARTY INTERACTION THREAD	Base	If customer makes multiple calls to complain about 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 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)

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
PARTY ROLE	Reference	Lookup for Roles a PARTY may be assigned in 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 ROLE are X-X relationship 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	Keep track of current party status history, regarding to what carrier may be interested. Historical information captured for all lifetime of the customer or dealer. The information may be calculated from internal data. For example: ▪ Payment ▪ Obtained from external source, such as credit rating agent
PARTY STATUS TYPE	Reference	Status type of the party. For example: ▪ In category of Customer Status, Values may include Active, Inactive, Defaulted, New Customer, VIP customer, Black Listed, and so on. ▪ In category of Prospect Status, Values may include New Prospect, Contacted No interest, Interested, Purchased, Rejected, and so on
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.
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	Base	This entity describes the passenger checking details at the transaction level.
PHASE	Reference	Period within a SEASON.

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
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		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.
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.
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.

Table 2–7 (Cont.) H to Q Entity Descriptions

Entity Name	Type	Description
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 channel is a newspaper, then media object will be the page and the picture. For a tv advertizement, how frequently it broadcast, how much time in each broadcast.
PROMOTION PRODUCT OFFERING ASSIGNMENT	Reference	Associates product market plans to a promotion, typically, when a given market plan will be offered by the promotion only during a certain period.
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 up sell promotion with special segment, such as: Free extra checkin baggage. ▪ A special discount for retention programs: Additional Mileage with each flight. ▪ A Survey.
PROSPECT	Reference	An individual, collection of individuals, company, or public institution who has not purchased merchandise or services, but who 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.
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 2–8 R to Z Entity Descriptions

Entity Name	Type	Description
RELIGION	Reference	This lookup keeps information on religions. Examples are Christianity, Islamic, Hinduism.
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 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. This usually lists the shops where the communications service provider presents the products and sells directly to customers. Note: a retail store may contain several SELLING LOCATIONs.

Table 2–8 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
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.
REVENUE COST DERIVED	Derived	Summary level entity which represents the cost related summary calculation.
REVENUE COST ELEMENT	Lookup	This is a lookup entity to hold the different types of revenue cost items. The data in this entity is the lowest level of the revenue cost group hierarchy. For example: Fuel Surcharge, Mail Revenue, Fuel Tax
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)
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
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, PROMOTION, Clearance, at given levels of ITEM and ORGANIZATION HIERARCHYs.

Table 2–8 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
SALES RESTRICTION	Reference	A type of limitation that restricts the sale of a particular class of item.
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	Stores 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 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.
SETTING CUSTOMER DECISION TREE	Mining Support	Represents settings for Decision Tree algorithm.
SETTING CUSTOMER SUPPORT VECTOR MACHINE	Mining Support	Represents settings for Support Vector Machine (SVM) algorithm.
SETTING PROFILE KMEANS	Mining Support	Represents settings for K-means clustering algorithm.
SETTING USER ALL	Mining Support	Represents user settings.
SKILL TYPE	Lookup	Lookup of SKILL TYPE for a individual party

Table 2–8 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
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 a 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 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 OADM 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 standard, such as wheelchair usage, meals for special diets, and so forth. The Special Service Request captures the information of the history and current service request information added, deleted from the source system.
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.
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

Table 2–8 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
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.
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 entity which used to store the summary information related to ticket.
TICKET PRICE	Base	This is the base level entity which used to store the details of ticket price.
TICKET PRICING DISCOUNT	Base	This is the base level entity which used to store the details of ticket price discount related data like rate.
TICKET PRICING DOCUMENT DETAILS	Base	This is the base level entity which used to store the details of ticket price document.
TICKETING FORM OF PAYMENT	Reference	This is a reference entity which used to store the form of 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 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).
TOUR	Base	Represents tour and tour related information.
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.

Table 2–8 (Cont.) R to Z Entity Descriptions

Entity Name	Type	Description
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 which is used to store 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 which used to store the TSM MCO fare information.
TSM MCO TAX	Base	This is the base level entity which used to store 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 which used to store the details of TSM payment data.
TSM PRICE	Reference	Information about the fares and taxes, depending on the TSM type.
TSM RFI	Base	This is the base level entity which used to store 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 which used to store the details of TSM XSB rate data.
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 could be time or money.
VEHICLE	Reference	Details of the Vehicle which can be an aircraft, bus, ship, rail, and so on.
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
WEEK TODATE TRANSFORMATION	Reference	Cumulative time transformations at the week level.
WEEK TRANSFORMATION	Reference	Time transformations at the week level.
WEEKDAY	Reference	Calendar weekdays.
YEAR TRANSFORMATION	Reference	Transformations at the year level.

3

Oracle Airlines Data Model Physical Data Model

This chapter provides information about the physical data model of Oracle Airlines Data Model.

This chapter includes the following sections:

Introduction to Oracle Airlines Data Model Physical Data Model

The Physical Data Model of the Oracle Airlines Data Model is the physical manifestation of the logical data model into database tables and relationships (or foreign key constraints). Partitions and Materialized Views have been added to aid performance.

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

Table 3–1 shows the table name prefix conventions. When you examine the predefined physical model, keep in mind the naming conventions shown in Table 3–1 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.

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.

Table 3–2 lists the Reference tables in Oracle Airlines Data Model.

Table 3–2 Reference Tables

Table Name	Description and More information
DWR_ACCT	ACCOUNT
DWR_ACCT_DIM	ACCOUNT
DWR_ADDR_LOC	ADDRESS LOCATION
DWR_ADDR_LOC_STAT_HIST	ADDRESS LOCATION STATUS HISTORY
DWR_ADDR_RLTD	ADDRESS RELATED
DWR_AGNCY	AGENCY
DWR_ARCFT	AIRCRAFT
DWR_ARCFT_TYP	AIRCRAFT TYPE
DWR_ARCFT_VRSN	AIRCRAFT VERSION
DWR_ARCFT_VRSN_DIM	AIRCRAFT VERSION
DWR_ARPRT	AIRPORT
DWR_ARPRT_DIM	AIRPORT
DWR_BASE_DAY	BASE DAY
DWR_BKG_CLS	BOOKING CLASS
DWR_BKG_CLS_TYP	BOOKING CLASS TYPE
DWR_BKG_CUST_REF	HOTEL BOOKING CUSTOMER REFERENCE
DWR_BKG_OFFC	BOOKING OFFICE

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_BKG_OFFC_DIM	BOOKING OFFICE
DWR_BKG_OFFC_USER	BOOKING OFFICE USER
DWR_BKG_PROD	BOOKING PRODUCT
DWR_BKG_PROD_DTL	BOOKING PRODUCT DETAIL
DWR_BKG_PAX	BOOKING PASSENGER
DWR_BKG_PAX_DIM	BOOKING PASSENGER
DWR_BKG_PAX_DOC_INFO	BOOKING PASSENGER DOCUMENT INFORMATION
DWR_BKG_SEAT	BOOKING SEAT
DWR_BKG_SEAT_PREF	BOOKING SEAT PREFERENCE
DWR_BKG_SRIS	BOOKING SERIES
DWR_BKG_SVNG_AMT	HOTEL BOOKING SAVING AMOUNT
DWR_BKG_TST_DIM	
DWR_BLK_LST_HIST	BLACK LIST HISTORY
DWR_BNK	BANK
DWR_BNK_CARD	BANK CARD
DWR_BSNS_HLF_MO	BUSINESS HALF MONTH
DWR_BSNS_HLF_YR	BUSINESS HALF YEAR
DWR_BSNS_MO	BUSINESS MONTH
DWR_BSNS_MO_DIM	
DWR_BSNS_QTR	BUSINESS QUARTER
DWR_BSNS_TEN_DAYS_CYCL	
DWR_BSNS_UNIT_JB_RL	BUSINESS UNIT JOB ROLE
DWR_BSNS_UNIT_SHFT	BUSINESS UNIT SHIFT
DWR_BSNS_YR	BUSINESS YEAR
DWR_CALL_CNTR	CALL CENTER
DWR_CALL_CNTR_AGNT	CALL CENTER AGENT
DWR_CALL_CNTR_SRVC_CAPBLTY	CALL CENTER SERVICE CAPABILITY
DWR_CARRIER	CARRIER
DWR_CARRIER_DIM	CARRIER
DWR_CARRIER_TYP	CARRIER TYPE
DWR_CAR_PROD	CAR PRODUCT
DWR_CAR_RNTL_MDL	CAR RENTAL MODEL
DWR_CDSHR	CODESHARE
DWR_CHKIN_BAG_GRP	CHECKIN BAGGAGE GROUP
DWR_CHKIN_INDVL_BAG	CHECKIN INDIVIDUAL BAGGAGE
DWR_CHNL	CHANNEL
DWR_CLNDR	CALENDAR
DWR_CLNDR_HLF_MO	CALENDAR HALF MONTH
DWR_CLNDR_HLF_YR	CALENDAR HALF YEAR
DWR_CLNDR_QTR	CALENDAR QUARTER
DWR_CLNDR_MO	CALENDAR MONTH
DWR_CLNDR_WK	CALENDAR WEEK

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_CLNDR_YR	CALENDAR YEAR
DWR_CMPGN	CAMPAIGN
DWR_CMPGN_MEDIA_SLNG_ITEM	CAMPAIGN MEDIA SELLING ITEM
DWR_CMPGN_MGMT_HIST	CAMPAIGN MANAGEMENT HISTORY
DWR_CMPGN_MSG	CAMPAIGN MESSAGE
DWR_CMPTR	COMPETITOR
DWR_CMPTR_INTLGNCE	COMPETITOR INTELLIGENCE
DWR_CMPTR_INTLGNCE_PRTY_RL	COMPETITOR INTELLIGENCE PARTY ROLE
DWR_CMPTR_MKT_SEG_ASGN	COMPETITOR MARKET SEGMENT ASSIGNMENT
DWR_CMPTR_MKT_SEG_SWOT	COMPETITOR MARKET SEGMENT SWOT
DWR_CMPTR_PROD_CRLTN	COMPETITOR PRODUCT CORRELATION
DWR_CMPTR_SWOT	COMPETITOR SWOT
DWR_CMPTR_TIER_ASGN	COMPETITOR TIER ASSIGNMENT
DWR_CMPTVE_TIER	COMPETITIVE TIER
DWR_COMP_INTL_CHR	COMP INTEL CHARACTERISTIC
DWR_COMP_INTL_CHR_VAL	COMP INTEL CHARACTERISTIC VALUE
DWR_COMP_INTL_MKT_SEG	COMP INTEL MARKET SEGMENT
DWR_COMP_PROD_CRRL_CHR_ASGN	COMP PROD CRRL CHARACTERISTIC ASSIGNMENT
DWR_COMP_PROD_CRRL_CHR_VAL	COMP PROD CRRL CHARACTERISTIC VALUE
DWR_CRDT_SCR_PRVDR	CREDIT SCORE PROVIDER
DWR_CRPRT_BSNS_TYP	
DWR_CRPRT_CUST	CORPORATE CUSTOMER
DWR_CRTFCT	CERTIFICATE
DWR_CST_CNTR	COST CENTER
DWR_CUST	CUSTOMER
DWR_CUST_INDVL	CUSTOMER INDIVIDUAL
DWR_CUST_OCCSN	CUSTOMER OCCASION
DWR_CUST_ORG	CUSTOMER ORGANIZATION
DWR_CUST_RSTRCT_INFO	CUSTOMER RESTRICTED INFO
DWR_CUST_RVN_BND_ASGN	CUSTOMER REVENUE BAND ASSIGNMENT
DWR_CUST_SCR	CUSTOMER SCORE
DWR_CUST_SEG	CUSTOMER SEGMENT
DWR_CUST_SEGTN_MDL	CUSTOMER SEGMENTATION MODEL
DWR_CUST_SRC	CUSTOMER SOURCE
DWR_DAY	DAY
DWR_DAY_ACT_CNDTN	
DWR_DAY_TODATE_TRANS	
DWR_DAY_TRANS	
DWR_DEMOG_ATRIB	DEMOGRAPHY ATTRIBUTE
DWR_DEMOG_GRP	DEMOGRAPHY GROUP
DWR_DISC_GRP	DISCOUNT GROUP
DWR_DLR	DEALER

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_DRVR_VAL	DERIVED VALUE
DWR_EDU	EDUCATION
DWR_EML_ADDR	EMAIL ADDRESS
DWR_EMP	EMPLOYEE
DWR_EMP_DISC_GRP_ASGN	EMPLOYEE DISCOUNT GROUP ASSIGNMENT
DWR_EMP_JB_RL_ASGN	EMPLOYEE JOB ROLE ASSIGNMENT
DWR_EMP_LANG_CAPBLTY	EMPLOYEE LANGUAGE CAPABILITY
DWR_EMP_RSTRCT_INFO	EMPLOYEE RESTRICTED INFO
DWR_EMP_SCHL	EMPLOYEE SCHEDULE
DWR_EXTRNL_CRDT_PRFL	EXTERNAL CREDIT PROFILE
DWR_EXTRNL_CRDT_PRFL_ASGN	EXTERNAL CREDIT PROFILE ASSIGNMENT
DWR_FARE_ELMNT	FARE ELEMENT
DWR_FARE_TYP	FARE TYPE
DWR_FLT	FLIGHT
DWR_FLT_DIM	FLIGHT
DWR_FLT_INV	FLIGHT INVENTORY
DWR_FLT_INV_NBR_OF_UNITS	FLIGHT INVENTORY NUMBER OF UNITS
DWR_FLT_INV_OPRN	FLIGHT INVENTORY OPERATIONS
DWR_FLT_INV_SCHL_ASGN	FLIGHT INVENTORY SCHEDULE ASSIGNMENT
DWR_FLT_INV_STAT	FLIGHT INVENTORY STATUS
DWR_FLT_LEG_INV	FLIGHT LEG INVENTORY
DWR_FLT_LEG_INV_CBN	FLIGHT LEG INVENTORY CABIN
DWR_FLT_LEG_INV_CBN_ACV_CONFIG	FLIGHT LEG INVENTORY CABIN ACV CONFIG
DWR_FLT_LEG_INV_CBN_BLCKSPC	FLIGHT LEG INVENTORY CABIN BLOCKSPACE
DWR_FLT_LEG_INV_CBN_RMS	FLIGHT LEG INVENTORY CABIN RMS
DWR_FLT_LEG_INV_CBN_SLCONFIG	FLIGHT LEG INVENTORY CABIN SALECONFIG
DWR_FLT_LEG_INV_SSR	FLIGHT LEG INVENTORY SSR
DWR_FLT_LEG_INV_SSR_OPTN	FLIGHT LEG INVENTORY SSR OPTION
DWR_FLT_LEG_INV_STAT	FLIGHT LEG INVENTORY STATUS
DWR_FLT_LEGINV_CBN_SLCNFG_CHR	FLIGHT LEG INVENTORY CABIN SALECONFIG CHARACTERISTIC
DWR_FLT_SEG_INV	FLIGHT SEGMENT INVENTORY
DWR_FLT_SEG_INVCBN_BRDG_FIGDCS	FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE BOARDINGFIGURES DCS
DWR_FLT_SEG_INV_CBN	FLIGHT SEGMENT INVENTORY CABIN
DWR_FLT_SEG_INV_CBN_CDSHR	FLIGHT SEGMENT INVENTORY CABIN CODESHARE
DWR_FLT_SEG_INV_CDSHR	FLIGHT SEGMENT INVENTORY CODESHARE
DWR_FLT_SEG_INV_STAT	FLIGHT SEGMENT INVENTORY STATUS
DWR_FLT_SEG_INV_TRFC_RSTRCT	FLIGHT SEGMENT INVENTORY TRAFFIC RESTRICTION
DWR_FLTSEG_INCBBK_CLS_CSBRDRDC	FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE DCS
DWR_FLTSEG_INVCBNBKG_SBC_CNTRS	FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS COUNTERS
DWR_FLTSEG_INVCBNBKG_SBC_DTFLG	FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS DATEFLAG
DWR_FLTSEG_INVCBN_BKGCLS_CSRDC	FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS CODESHARE DCS
DWR_FLTSEG_INVCNBKG_SBC_AVLBTY	FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS AVAILABILITY

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_FLTSEG_INV_CBNBKG_CLS	
DWR_FLTSEG_INV_CBNBKG_CLS_STAT	FLIGHT SEGMENT INVENTORY CABIN BOOKING CLASS STATUS
DWR_FLTSEG_INV_CBNBKG_SBC	
DWR_FLTSEG_INV_CBNBKG_SBC_NEGO	FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS NEGO
DWR_FLTSEG_INV_CBN_BKG_SBC_FLG	FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS FLAG
DWR_FLTSEG_INV_CBN_BKG_SBC_YLD	FLIGHT SEGMENT INVENTORY CABIN BOOKING SUBCLASS YIELD
DWR_FLTSEG_IVCN_BGCS_BDFIG_DCS	FLIGHT SEGMENT INVENTORY CABIN BOARDING FIGURES DCS
DWR_FLTSEG_IVCN_CDSR_BLKSC_CTR	FLIGHT SEGMENT INVENTORY CABIN CODESHARE BLOCKSPACE COUNTER
DWR_FORM_OF_PYMT	FORM OF PAYMENT
DWR_FREQ_FLYR	FREQUENT FLYER
DWR_FREQ_FLYR_DIM	FREQUENT FLYER
DWR_FREQ_FLYR_PREF	FREQUENT FLYER PREFERENCE
DWR_FSCL_HLF_MO	FISCAL HALF MONTH
DWR_FSCL_HLF_YR	FISCAL HALF YEAR
DWR_FSCL_MO	FISCAL MONTH
DWR_FSCL_QTR	FISCAL QUARTER
DWR_FSCL_WK	FISCAL WEEK
DWR_FSCL_YR	FISCAL YEAR
DWR_GEO	GEOGRAPHY
DWR_GEO_DEMOG_ATRIB	GEOGRAPHY DEMOGRAPHY ATTRIBUTES
DWR_GEO_DEMOG_GRP	GEOGRAPHY DEMOGRAPHIC GROUP
DWR_GEO_DEMOG_VAL	GEOGRAPHY DEMOGRAPHY VALUE
DWR_GEO_ENT	GEOGRAPHY ENTITY
DWR_GEO_HRCHY	GEOGRAPHY HIERARCHY
DWR_GEO_HRCHY_LVL	GEOGRAPHY HIERARCHY LEVEL
DWR_GEO_HRCHY_LVL_ASGN	GEOGRAPHY HIERARCHY LEVEL ASSIGNMENT
DWR_GEO_HRCHY_VRSN	GEOGRAPHY HIERARCHY VERSION
DWR_GEO_LVL	GEOGRAPHY LEVEL
DWR_GEO_LVL_ATRIB	GEOGRAPHY LEVEL ATTRIBUTES
DWR_GEO_LVL_ATRIB_VAL	GEOGRAPHY LEVEL ATTRIBUTE VALUE
DWR_GNDR	GENDER
DWR_HLF_HR	HALF HOUR
DWR_HLF_MO_TODATE_TRANS	HALF MONTH TODATE TRANSFORMATION
DWR_HLF_MO_TRANS	HALF MONTH TRANSFORMATION
DWR_HLF_YR_TODATE_TRANS	HALF YEAR TODATE TRANSFORMATION
DWR_HLF_YR_TRANS	HALF YEAR TRANSFORMATION
DWR_HR	HOUR
DWR_HSHLD	HOUSEHOLD
DWR_HTL_BKG	HOTEL BOOKING
DWR_HTL_BKG_BILLBL_INFO	HOTEL BOOKING BILLABLE INFO
DWR_HTL_BKG_CNCT	HOTEL BOOKING CONTACT
DWR_HTL_BKG_FORM_OF_PYMT	HOTEL BOOKING FORM OF PAYMENT

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_HTL_BKG_MISC_RMRK	HOTEL BOOKING MISC REMARKS
DWR_HTL_BKG_OPTN_TXT	HOTEL BOOKING OPTION TEXT
DWR_HTL_BKG_STAT	HOTEL BOOKING STATUS
DWR_HTL_FCLTY	HOTEL FACILITY
DWR_HTL_PROD	HOTEL PRODUCT
DWR_HTL_PROD_AMNTY	HOTEL PRODUCT AMENITY
DWR_HTL_PYMT	HOTEL PAYMENT
DWR_HTL_RM	HOTEL ROOM
DWR_HTL_TRF	HOTEL TARIFF
DWR_HTL_TRF_CHRG	HOTEL TARIFF CHARGE
DWR_INDVL_DEMOG_VAL	INDIVIDUAL DEMOGRAPHY VALUE
DWR_INDVL_NAME	INDIVIDUAL NAME
DWR_INFLT_MEAL	INFLIGHT MEAL
DWR_INTRACN_RSLT	INTERACTION RESULT
DWR_INTRACN_RSLT_DIM	INTERACTION RESULT
DWR_INTRACN_RSN	INTERACTION REASON
DWR_INTRACN_RSN_DIM	INTERACTION REASON
DWR_ITEM	ITEM
DWR_ITEM_SEASON	ITEM SEASON
DWR_JB	JOB
DWR_JB_RL	JOB ROLE
DWR_LANG_DILCT	LANGUAGE DIALECT
DWR_LCL_TAX_AUTHRTY	LOCAL TAX AUTHORITY
DWR_LEG_DIM	LEG
DWR_LEG_H	LEG
DWR_LYLTY_ACCT	LOYALTY ACCOUNT
DWR_LYLTY_LVL	LOYALTY LEVEL
DWR_LYLTY_LVL_DIM	LOYALTY LEVEL
DWR_LYLTY_PROG	LOYALTY PROGRAM
DWR_LYLTY_PROG_DIM	LOYALTY PROGRAM
DWR_MBRSHIP_ACCT	MEMBERSHIP ACCOUNT
DWR_MEDIA_OBJ	MEDIA OBJECT
DWR_MISCLNS_RMRK	MISCELLANEOUS REMARKS
DWR_MKT_AREA	MARKET AREA
DWR_MKT_AREA_DIM	MARKET AREA
DWR_MKT_AREA_LVL	MARKET AREA LEVEL
DWR_MKT_SEG	MARKET SEGMENT
DWR_MKT_SEG_CHR	MARKET SEGMENT CHARACTERISTIC
DWR_MKT_SEG_CHR_VAL	MARKET SEGMENT CHARACTERISTIC VALUE
DWR_MKT_STTSTC	MARKET STATISTICS
DWR_MKT_STTSTC_INCLSN	MARKET STATISTIC INCLUSION
DWR_MNT	

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_MO_TODATE_TRANS	MONTH TODATE TRANSFORMATION
DWR_MO_TRANS	MONTH TRANSFORMATION
DWR_ODT_ACCT	ODT ACCOUNT
DWR_OPTN	OPTION
DWR_ORG	ORGANIZATION
DWR_ORG_AREA	ORGANIZATION AREA
DWR_ORG_BNR	ORGANIZATION BANNER
DWR_ORG_BSNS_ENT	ORGANIZATION BUSINESS ENTITY
DWR_ORG_BSNS_UNIT	ORGANIZATION BUSINESS UNIT
DWR_ORG_CHAIN	ORGANIZATION CHAIN
DWR_ORG_CMPNY	ORGANIZATION COMPANY
DWR_ORG_CRPRT	ORGANIZATION CORPORATE
DWR_ORG_DSTRCT	ORGANIZATION DISTRICT
DWR_ORG_HRCHY	ORGANIZATION HIERARCHY
DWR_ORG_HRCHY_LVL	ORGANIZATION HIERARCHY LEVEL
DWR_ORG_HRCHY_LVL_ASGN	ORGANIZATION HIERARCHY LEVEL ASSIGNMENT
DWR_ORG_HRCHY_VRSN	ORGANIZATION HIERARCHY VERSION
DWR_ORG_LVL	ORGANIZATION LEVEL
DWR_ORG_LVL_ATRIB	ORGANIZATION LEVEL ATTRIBUTES
DWR_ORG_LVL_ATRIB_VAL	ORGANIZATION LEVEL ATTRIBUTES VALUE
DWR_ORG_MKT_DATA	ORGANIZATION MARKET DATA
DWR_ORG_NAME	ORGANIZATION NAME
DWR_ORG_RGN	ORGANIZATION REGION
DWR_ORG_SRVC_WBSITE	ORGANIZATION SERVICE WEBSITE
DWR_ORG_WRHS	ORGANIZATION WAREHOUSE
DWR_ORGNTL_DEMOG_VAL	ORGANIZATIONAL DEMOGRAPHY VALUE
DWR_OTHR_INDVL	OTHER INDIVIDUAL
DWR_PASPRT	PASSPORT
DWR_PAX_CNCT	PASSENGER CONTACT
DWR_PAX_CPN_DATA	PAX COUPON DATA
DWR_PAX_INVC_HDR	PAX INVOICE HEADER
DWR_PDI_CHR	PDI CHARACTERISTIC
DWR_PDI_CHNL	PDI CHANNEL
DWR_PDI_CHNL_DIM	PDI CHANNEL
DWR_PHS	PHASE
DWR_PLNG_QTR	PLANNING QUARTER
DWR_PLNG_SEASON	PLANNING SEASON
DWR_PLNG_WK	PLANNING WEEK
DWR_PLNG_YR	PLANNING YEAR
DWR_PNR	PNR
DWR_PNR_DIM	PNR
DWR_PNR_TYP	PNR TYPE

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_POS_DEPT	POS DEPARTMENT
DWR_POS_ID	POS IDENTITY
DWR_POSTCD	POSTCODE
DWR_PRC_DRVTN_RULE	PRICE DERIVATION RULE
DWR_PRD_TODATE_TRANS	
DWR_PRD_TRANS	
DWR_PREF_TYP	PREFERENCE TYPE
DWR_PRFL_SRC	PROFILE SOURCE
DWR_PRMTN	PROMOTION
DWR_PRMTN_ITEM	PROMOTION ITEM
DWR_PRMTN_MSG_RNDRNG	PROMOTION MESSAGE RENDERING
DWR_PRMTN_PROD_OFRNG_ASGN	PROMOTION PRODUCT OFFERING ASSIGNMENT
DWR_PRMTN_SLNG_ITEM	PROMOTION SELLING ITEM
DWR_PROD_ENT	PRODUCT ENTITY
DWR_PROD_OFRNG	PRODUCT OFFERING
DWR_PRSPCT	PROSPECT
DWR_PRSPCT_INDVL	PROSPECT INDIVIDUAL
DWR_PRSPCT_ORG	PROSPECT ORGANIZATION
DWR_PRTNR_PRMTN_PROG	PARTNER PROMOTION PROGRAM
DWR_PRTY	PARTY
DWR_PRTY_ACCT_ASGN	PARTY ACCOUNT ASSIGNMENT
DWR_PRTY_ADDR_LOC_ASGN	PARTY ADDRESS LOCATION ASSIGNMENT
DWR_PRTY_ASGN	PARTY ASSIGNMENT
DWR_PRTY_CNCT_INFO	PARTY CONTACT INFORMATION
DWR_PRTY_CNCT_LST_PRTCPTN	PARTY CONTACT LIST PARTICIPATION
DWR_PRTY_DEMOG	PARTY DEMOGRAPHIC
DWR_PRTY_DEMOG_VAL	PARTY DEMOGRAPHY VALUE
DWR_PRTY_GEO_ENT_ASGN	PARTY GEOGRAPHY ENTITY ASSIGNMENT
DWR_PRTY_ID	PARTY IDENTIFICATION
DWR_PRTY_INTRACN_STAT	PARTY INTERACTION ITEM STATUS
DWR_PRTY_LANG_CAPBLTY	PARTY LANGUAGE CAPABILITY
DWR_PRTY_NAME	PARTY NAME
DWR_PRTY_RL	PARTY ROLE
DWR_PRTY_RL_ASGN	PARTY ROLE ASSIGNMENT
DWR_PRTY_SKILL	PARTY SKILL
DWR_PRTY_STAT	PARTY STATUS
DWR_PRTY_STAT_DIM	PARTY STATUS
DWR_QTR_TODATE_TRANS	QUARTER TO DATE TRANSFORMATION
DWR_QTR_TRANS	QUARTER TRANSFORMATION
DWR_RLGN	RELIGION
DWR_RL_HRCHY	ROLES HIERARCHY
DWR_ROUTEPAIRS	ROUTEPAIRS

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_ROUTES	ROUTES
DWR_RTL_SEASON	RETAIL SEASON
DWR_RTL_STORE	RETAIL STORE
DWR_SCND	SECOND
DWR_SEG_CRTRA	SEGMENT CRITERIA
DWR_SEG_DIM	
DWR_SEG_PAIR_DIM	
DWR_SKU_ITEM	SKU ITEM
DWR_SL_CHNL	SALES CHANNEL
DWR_SL_CHNL_RPRSTV	SALES CHANNEL REPRESENTATIVE
DWR_SL_FRCST_ITEM_ORG_HRCHY_WK	SALES FORECAST ITEM ORG HIERARCHY WEEK
DWR_SL_OR_RETRN_ACTN	SALE OR RETURN ACTION
DWR_SL_PLN_ITEM_ORG_HRCHY_WK	SALES PLAN ITEM ORG HIERARCHY WEEK
DWR_SL_RSTRCT	SALES RESTRICTION
DWR_SLNG_LOC	SELLING LOCATION
DWR_SOC_JB	SOC JOB
DWR_SRC_SYS	SOURCE SYSTEM
DWR_SRC_SYS_KEY_MAPNG	SOURCE SYSTEM KEY MAPPING
DWR_SRVC	SERVICE
DWR_SRVC_COVRG_AREA	SERVICE COVERAGE AREA
DWR_SRVC_COVRG_GEO_DTL	SERVICE COVERAGE GEO DETAIL
DWR_SRVC_DIM	SERVICE
DWR_SSR	SSR
DWR_SUPLIR	SUPPLIER
DWR_TAXBL_GRP	TAXABLE GROUP
DWR_TIME_DIM	TIME DIM
DWR_TIME_STNDRD_BY_DAY	TIME STANDARD BY DAY
DWR_TIME_STNDRD_BY_WK	TIME STANDARD BY WEEK
DWR_TIME_TOT	TIME TOTAL
DWR_TIME_ZN	TIME ZONE
DWR_TRFC_CTGRY	TRAFFIC CATEGORY
DWR_TRFC_CTGRY_DIM	TRAFFIC CATEGORY
DWR_TRGT_ACCS_MTHD	TARGET ACCESS METHOD
DWR_TRGT_ACCT	TARGET ACCOUNT
DWR_TRGT_GEO_AREA	TARGET GEOGRAPHY AREA
DWR_TRML	TERMINAL
DWR_TSM_PAX	TSM PASSENGER
DWR_TSM_EXCSS_BAG	TSM EXCESS BAGGAGE
DWR_TSM_MCO	TSM MCO
DWR_TSM_PRC	TSM PRICE
DWR_TSM_ROUTE	TSM ROUTE
DWR_TSM_SRVC	TSM SERVICE

Table 3–2 (Cont.) Reference Tables

Table Name	Description and More information
DWR_USER	USER
DWR_VHCL	VEHICLE
DWR_VRTL_TEAM	VIRTUAL TEAM
DWR_WKDAY	WEEKDAY
DWR_WK_TODATE_TRANS	WEEK TODATE TRANSFORMATION
DWR_WK_TRANS	WEEK TRANSFORMATION

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.

Table 3–3 lists the Base tables in Oracle Airlines Data Model.

Table 3–3 Base Tables

Table Name	Description and More Information
DWB_ACCT_LVL_HIST	ACCOUNT LEVEL HISTORY
DWB_ACCT_PYMT	ACCOUNT PAYMENT
DWB_AWRD_VCHR	AWARD VOUCHER
DWB_ACCT_TRNSFR	ACCOUNT TRANSFER
DWB_BKG	BOOKING
DWB_BKG_AGNT_OPT_LN	BOOKING AGENT OPT LINE
DWB_BKG_BLLG	BOOKING BILLING
DWB_BKG_CMPGN_ASGN	BOOKING CAMPAIGN ASSIGNMENT
DWB_BKG_OTHR_SRVC	BOOKING OTHER SERVICE
DWB_BKG_RMRK	BOOKING REMARK
DWB_BKG_SSR	BOOKING SSR
DWB_BKG_SSR_BRDG	BOOKING SSR BRDG
DWB_BKG_STAT_CHNG_HIST	BOOKING STATUS CHANGE HISTORY
DWB_BKG_TST	BOOKING TST
DWB_BKG_TST_FARE_DATA	BOOKING TST FARE DATA
DWB_BKG_TST_PFC_TAX_AMT	BOOKING TST PFC TAX AMOUNT
DWB_BKG_TST_PRC	BOOKING TST PRICE
DWB_BKG_TST_SEG	BOOKING TST SEGMENT
DWB_BKG_TST_TAX	BOOKING TST TAX
DWB_BLLG_ANLYS_HDR	BILLING ANALYSIS HEADER
DWB_BLLG_ANLYS_TOT_CRNCY	BILLING ANALYSIS TOTALS CURRENCY
DWB_BLLG_OFFC_HDR	BILLING OFFICE HEADER
DWB_BLLG_OFFC_SBTOT_TRX_CRNCY	BILLING OFFICE SUBTOTALS TRANSACTION CURRENCY
DWB_BLLG_OFFC_TOT_CRNCY	BILLING OFFICE TOTALS CURRENCY
DWB_BLLG_TRX_AGNCY_ARLN_INFO	BILLING TRANSACTION AGENCY AIRLINE INFO
DWB_BLLG_TRX_CMPLT_FORMOF_PYMT	BILLING TRANSACTION COMPLETE FORM OF PAYMENT

Table 3–3 (Cont.) Base Tables

Table Name	Description and More Information
DWB_BLLG_TRX_CMPLT_TCKT_DOC	BILLING TRANSACTION COMPLETE TICKET DOCUMENT
DWB_BLLG_TRX_CPN_ADDL_PRINT_LN	BILLING TRANSACTION COUPON ADDITIONAL PRINT LINES
DWB_BLLG_TRX_DOC_AMT	BILLING TRANSACTION DOCUMENT AMOUNTS
DWB_BLLG_TRX_ELCTRNC_TRX	BILLING TRANSACTION ELECTRONIC TRANSACTION
DWB_BLLG_TRX_EMD_CPN_DTL	BILLING TRANSACTION EMD COUPON DETAIL
DWB_BLLG_TRX_EMD_RMRK	BILLING TRANSACTION EMD REMARKS
DWB_BLLG_TRX_FARE_CALC	BILLING TRANSACTION FARE CALCULATION
DWB_BLLG_TRX_FL_TOT_CRNCY	BILLING TRANSACTION FILE TOTALS CURRENCY
DWB_BLLG_TRX_FORM_OF_PYMT	BILLING TRANSACTION FORM OF PAYMENT
DWB_BLLG_TRX_HDR	BILLING TRANSACTION HEADER
DWB_BLLG_TRX_MD_ADDL_INFO	BILLING TRANSACTION MD ADDITIONAL INFO
DWB_BLLG_TRX_MD_INFO_AMT	BILLING TRANSACTION MD INFO AMOUNT
DWB_BLLG_TRX_MD_ISSNCE_RSN	BILLING TRANSACTION MD ISSUANCE REASON
DWB_BLLG_TRX_NETNG_VAL	BILLING TRANSACTION NETTING VALUES
DWB_BLLG_TRX_PYMT_ATHRZTN	BILLING TRANSACTION PAYMENT AUTHORIZATION
DWB_BLLG_TRX_RLTD_TCKT	BILLING TRANSACTION RELATED TICKET
DWB_BLLG_TRX_TCKT	BILLING TRANSACTION TICKET
DWB_BLLG_TRX_TCKT_AMT	BILLING TRANSACTION TICKET AMOUNT
DWB_BLLG_TRX_TCKT_CMISN	BILLING TRANSACTION TICKET COMMISSION
DWB_BLLG_TRX_TCKT_FORM_OF_PYMT	BILLING TRANSACTION TICKET FORM OF PAYMENT
DWB_BLLG_TRX_TCKT_PAX	BILLING TRANSACTION TICKET PASSENGER
DWB_BLLG_TRX_TCKT_TAX_ON_CMISN	BILLING TRANSACTION TICKET TAX ON COMMISSION
DWB_BLLG_TRX_TCKT_VAT_INFO	BILLING TRANSACTION TICKET VAT INFORMATION
DWB_BT_PRPD_TCKT_ADC_SPNSR_INF	BILLING TRANSACTION PREPAID TICKET ADVICE SPONSOR INFORMATION
DWB_BT_TCKT_ITNRY_DATA_SEG	BILLING TRANSACTION TICKET ITINERARY DATA SEGMENT
DWB_BT_TCKT_MISCLNSADDL_PRNTLN	BILLING TRANSACTION TICKET MISCELLANEOUS ADDITIONAL PRINT LINES
DWB_BT_TCKT_QLFYNG_ISSUE_INFO	BILLING TRANSACTION TICKET QUALIFYING ISSUE INFORMATION
DWB_CAR_RNTL	CAR RENTAL
DWB_CAR_RNTL_ADDL_RT_CD_INFO	CAR RENTAL ADDITIONAL RATE CODE INFO
DWB_CAR_RNTL_CHRG_PRD	CAR RENTAL CHARGE PERIOD
DWB_CAR_RNTL_ESTM_DISTNC	CAR RENTAL ESTIMATE DISTANCE
DWB_CAR_RNTL_FOP	CAR RENTAL FOP
DWB_CAR_RNTL_LOC	CAR RENTAL LOCATION
DWB_CAR_RNTL_OTHR_RT_RULE	CAR RENTAL OTHER RATE RULE
DWB_CAR_RNTL_OTHR_RT_RULE_DT	CAR RENTAL OTHER RATE RULE DATE
DWB_CAR_RNTL_PREF_TYP	CAR RENTAL PREFERENCE TYPE
DWB_CAR_RNTL_RMRK	CAR RENTAL REMARKS
DWB_CAR_RNTL_SRCHRG_RPD	CAR RENTAL SURCHARGE PERIOD
DWB_CAR_RNTL_SRCHRG_RPD_TRFC	CAR RENTAL SURCHARGE PERIOD TARIFF
DWB_CAR_RNTL_TRFC	CAR RENTAL TARIFF
DWB_CAR_RNTL_TRFC_CHRG	CAR RENTAL TARIFF CHARGE
DWB_CDSHR_BRDG	CODESHARE BRIDGE

Table 3–3 (Cont.) Base Tables

Table Name	Description and More Information
DWB_CHKIN	CHECKIN
DWB_CMNSTRY_ERNG	COMPENSATORY EARNING
DWB_CMPLN_ADVC	COMPLAIN ADVICE
DWB_CST	COST
DWB_CUST_ORDR	CUSTOMER ORDER
DWB_CUST_ORDR_LN_ITEM	CUSTOMER ORDER LINE ITEM
DWB_DRCT_ERNG	DIRECT EARNING
DWB_EMP_ACT_LBR_HRLY	EMPLOYEE ACTUAL LABOR HOURLY
DWB_EMP_ACT_LBR_SLRED	EMPLOYEE ACTUAL LABOR SALARIED
DWB_EMP_TRNG_REC	EMPLOYEE TRAINING RECORD
DWB_ERNG_EVT	EARNING EVENT
DWB_EVT_PRTY_ASGN	EVENT PARTY ASSIGNMENT
DWB_EVT_PRTY_INTRACN	EVENT PARTY INTERACTION
DWB_FLT_CHNG	FLIGHT CHANGE
DWB_FLT_SCHL	FLIGHT SCHEDULE
DWB_GRPNG	GROUPING
DWB_HOT_FL_HDR	HOT FILE HEADER
DWB_HTL_BKG_CMISN	HOTEL BOOKING COMMISSION
DWB_LEG_SCHL	LEG SCHEDULE
DWB_LYLTY_ACCT_BAL_HIST	LOYALTY ACCOUNT BALANCE HISTORY
DWB_LYLTY_ACCT_LVL_HIST	LOYALTY ACCOUNT LEVEL HISTORY
DWB_LYLTY_CNVRSN	LOYALTY CONVERSION
DWB_LYLTY_PTS_EXP	LOYALTY POINTS EXPIRE
DWB_MIN_CNCTNG_TMS	MINIMUM CONNECTING TIMES
DWB_PAX_CNTRY_ADDR_INFO	PASSENGER COUNTRY ADDRESS INFORMATION
DWB_PAX_VISA_INFO	PASSENGER VISA INFORMATION
DWB_PDH_H	
DWB_PNR_GDS_INFO	PNR GDS INFO
DWB_PNR_PRNT_CHILD_RLTN	PNR PARENT CHILD RELATIONSHIP
DWB_PNR_RLTN	PNR RELATIONSHIP
DWB_PRC_MDFCTN_LN_ITEM	PRICE MODIFICATION LINE ITEM
DWB_PRMTN_CLSTR_USG	PROMOTION CLUSTER USAGE
DWB_PRMTN_MGMT_HIST	PROMOTION MANAGEMENT HISTORY
DWB_PRTNR_ERNG	PARTNER EARNING
DWB_PRTY_CST_ASGN	PARTY COST ASSIGNMENT
DWB_PRTY_INTRACN	PARTY INTERACTION
DWB_PRTY_INTRACN_CALL	PARTY INTERACTION CALL
DWB_PRTY_INTRACN_EML	PARTY INTERACTION EMAIL
DWB_PRTY_INTRACN_FAX	PARTY INTERACTION FAX
DWB_PRTY_INTRACN_ITEM	PARTY INTERACTION ITEM
DWB_PRTY_INTRACN_LTTR	PARTY INTERACTION LETTER
DWB_PRTY_INTRACN_SMS	PARTY INTERACTION SMS

Table 3–3 (Cont.) Base Tables

Table Name	Description and More Information
DWB_PRTY_INTRACN_THRD	PARTY INTERACTION THREAD
DWB_PRTY_INTRACN_VST	PARTY INTERACTION VISIT
DWB_PRTY_ORDR_ASGN	PARTY ORDER ASSIGNMENT
DWB_PRTY_PRMTN_RESPN	PARTY PROMOTION RESPONSE
DWB_PRTY_STAT_HIST	PARTY STATUS HISTORY
DWB_RTL_CST_TRX	REVENUE COST TRANSACTION
DWB_RTL_SL_RETRN_LN_ITEM	RETAIL SALE RETURN LINE ITEM
DWB_RTL_TRX	RETAIL TRANSACTION
DWB_RTL_TRX_LN_ITEM	RETAIL TRANSACTION LINE ITEM
DWB_SEG_SCHL	SEGMENT SCHEDULE
DWB_TAX_LN_ITEM	TAX LINE ITEM
DWB_TCKT	TICKET
DWB_TCKT_CPN	TICKET COUPON
DWB_TCKT_DLVRY_ARNGMNT	TICKET DELIVERY ARRANGEMENT
DWB_TCKT_PRC	TICKET PRICE
DWB_TCKT_PRCNG_DISC	TICKET PRICING DISCOUNT
DWB_TCKT_PRCNG_DISC_DTLS	TICKET PRICING DOCUMENT DETAILS
DWB_TCKTNG_FORM_OF_PYMT	TICKETING FORM OF PAYMENT
DWB_TSM	TSM
DWB_TOUR	TOUR
DWB_TRNSFR_ERNG	TRANSFER EARNING
DWB_TSM_DOC	TSM DOC
DWB_TSM_MCO_FARES	TSM MCO FARES
DWB_TSM_MCO_TAX	TSM MCO TAX
DWB_TSM_PYMT	TSM PAYMENT
DWB_TSM_RFI	TSM RFI
DWB_TSM_XSB_RT	TSM ROUTE

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.

Table 3–4 lists the Derived tables in Oracle Airlines Data Model.

Table 3–4 Derived Tables

Table Name	Description and More Information
DWD_BKG_FCT	BOOKING FACT
DWD_CALL_CNTR_PRFMNC	CALL CENTER PERFORMANCE
DWD_CHKIN	CHECKIN FACT
DWD_CUST_LTV_SVM_FACTOR	CUSTOMER LIFE TIME VALUE SUPPORT VECTOR MACHINE FACTOR
DWD_CUST_LYLTY_DT_RULES	CUSTOMER LOYALTY DECISION TREE RULES
DWD_CUST_LYLTY_SVM_FACTOR	CUSTOMER LOYALTY SUPPORT VECTOR MACHINE FACTOR
DWD_CUST_MNNG	CUSTOMER MINING
DWD_CUST_RFMP_SCR	CUSTOMER RECENCY FREQUENCY MONETARY PROFITABILITY SCORE
DWD_CUST_SRVY	CUSTOMER SURVEY DERIVED
DWD_FFP_PRED_DT_RULES	FREQUENT FLIER PREDICTION DECISION TREE RULES
DWD_FFP_PRED_SVM_FACTOR	FREQUENT FLIER PREDICTION SUPPORT VECTOR MACHINE FACTOR
DWD_FLT_DTLS	FLIGHT DETAILS FACT
DWD_LYLTY_ACCT_BAL_HIST	LOYALTY ACCOUNT BALANCE HISTORY
DWD_LYLTY_ACCT_LVL_HIST	LOYALTY ACCOUNT LEVEL HISTORY
DWD_NON_FFP_MNNG	NON FREQUENT FLIER MINING
DWD_PNR	PNR
DWD_RVN_CST_DRVD	REVENUE COST DERIVED
DWD_TCKT	TICKET

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 derived table. The aggregate tables provide a view of the data similar to the view provided by a fact table in a snowflake schema.

Table 3–5 lists the Aggregate tables in Oracle Airlines Data Model.

Table 3–5 Aggregate Tables

Table Name	Description and More Information
DWA_BKG_DLY_INV_SNPST	BOOKING DAILY INVENTORY SNAPSHOT
DWA_CDSHR_BRDG	CODESHARE BRIDGE
DWA_CHKIN_DLY	CHECKIN DAILY FACT
DWA_CUST_SRVY	CUSTOMER SURVEY AGG
DWA_DLY_BKG	DAILY BOOKING FACT
DWA_DLY_CALL_CNTR_PRFMNC	DAILY CALL CENTER PERFORMANCE
DWA_DLY_LYLTY_ACCT	DAILY LOYALTY ACCOUNT
DWA_DLY_LYLTY_ACCT_BKG	DAILY LOYALTY ACCOUNT BOOKING

Lookup Tables

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.

Table 3–6 lists the Lookup tables in Oracle Airlines Data Model.

Table 3–6 Lookup Tables

Table Name	Description and More Information
DWL_ACCT_LVL	ACCOUNT LEVEL
DWL_ACCT_TRNSFR_RSN	ACCOUNT TRANSFER REASON
DWL_ACCT_TYP	ACCOUNT TYPE
DWL_ADDR_TYP	ADDRESS TYPE
DWL_AMT_TYP	AMOUNT TYPE
DWL_BKG_PROD_TYP	BOOKING PRODUCT TYPE
DWL_BKG_STAT_CHNG_RSN	BOOKING STATUS CHANGE REASON
DWL_BNK_CARD_TYP	BANK CARD TYPE
DWL_BNNING_RSN	BANNING REASON
DWL_BSNS_LEGAL_STAT	BUSINESS LEGAL STATUS
DWL_CMNSTRY_RSN	COMPENSATORY REASON
DWL_CMPGN_STAT	CAMPAIGN STATUS
DWL_CMPGN_TYP	CAMPAIGN TYPE
DWL_CMPLN_CLS	COMPLAIN CLASS
DWL_CMPLN_TYP	COMPLAIN TYPE
DWL_CRNCY	CURRENCY
DWL_CUST_OCCSN_TYP	CUSTOMER OCCASION TYPE
DWL_CUST_RVN_BND	CUSTOMER REVENUE BAND
DWL_CUST_RVN_TYP	CUSTOMER REVENUE TYPE
DWL_CUST_TYP	CUSTOMER TYPE
DWL_EMP_DESIG	EMPLOYEE DESIGNATION
DWL_EMP_TYP	EMPLOYEE TYPE
DWL_EXTRNL_ORG_TYP	EXTERNAL ORGANIZATION TYPE
DWL_FLT_INV_OPRN_TYP	FLIGHT INVENTORY OPERATION TYPE
DWL_INTTV_RSLT_TYP	INITIATIVE RESULT TYPE
DWL_INTTV_TYP	INITIATIVE TYPE
DWL_LANG	LANGUAGE
DWL_LCL_AUTHRTY_TYP	LOCAL AUTHORITY TYPE
DWL_LEG_TYP	LEG TYPE
DWL_LTTR_TYP	LETTER TYPE
DWL_MRTL_STAT	MARITAL STATUS
DWL_NTNLTY	NATIONALITY
DWL_ORG_BSNS_UNIT_TYP	ORGANIZATION BUSINESS UNIT TYPE
DWL_PRMTN_TYP	PROMOTION TYPE
DWL_PRTY_CNCT_INFO_TYP	PARTY CONTACT INFORMATION TYPE
DWL_PRTY_ID_TYP	PARTY IDENTIFICATION TYPE
DWL_PRTY_STAT_CHNG_RSN	PARTY STATUS CHANGE REASON
DWL_PRTY_STAT_TYP	PARTY STATUS TYPE
DWL_PRTY_TYP	PARTY TYPE

Table 3–6 (Cont.) Lookup Tables

Table Name	Description and More Information
DWL_RVN_CST_ELMNT	REVENUE COST ELEMENT
DWL_RVN_CST_ELMNT_CTGRY	REVENUE COST ELEMENT CATEGORY
DWL_RVN_CST_ELMNT_GRP	REVENUE COST ELEMENT GROUP
DWL_SEASON	SEASON
DWL_SKILL_TYP	SKILL TYPE
DWL_SLNG_LOC_TYP	SELLING LOCATION TYPE
DWL_SWOT_TYP	SWOT TYPE
DWL_TRGT_TYP	TARGET TYPE
DWL_TRX_TYP	TRANSACTION TYPE
DWL_VAL_TYP	VALUE TYPE

Mining Tables

Table 3–7 lists the Data Mining control and Data Mining settings tables in Oracle Airlines Data Model.

Table 3–7 Data Mining and Data Mining Settings Tables

Table Name	Description
DM_STNG_CUST_LTY_DT	SETTING CUSTOMER DECISION TREE
DM_STNG_CUST_LTY_SVM	SETTING CUSTOMER SUPPORT VECTOR MACHINE
DM_STNG_PROFILE_KMEANS	SETTING PROFILE KMEANS
DM_STNG_USER_ALL	SETTING USER ALL
DMV_BKG_FACT_APPLY	FREQUENT FLIER BOOKING FACT APPLY
DMV_BKG_FACT_SRC	FREQUENT FLIER BOOKING FACT SOURCE
DMV_CUST_LOYALTY_APPLY	FREQUENT FLIER CUSTOMER LOYALTY APPLY
DMV_CUST_LOYALTY_SRC	FREQUENT FLIER CUSTOMER LOYALTY SOURCE
DMV_CUST_LTV_APPLY	FREQUENT FLIER CUSTOMER LIFE TIME VALUE APPLY
DMV_CUST_LTV_SRC	FREQUENT FLIER CUSTOMER LIFE TIME VALUE SOURCE
DMV_CUST_PROFILE_APPLY	FREQUENT FLIER CUSTOMER PROFILE APPLY
DMV_CUST_PROFILE_SRC	FREQUENT FLIER CUSTOMER PROFILE SOURCE
DMV_FFP_PRED_APPLY	FREQUENT FLIER PREDICTION APPLY
DMV_FFP_PRED_SRC	FREQUENT FLIER PREDICTION SOURCE
DMV_LYLTY_ACCT_BAL_APPLY	FREQUENT FLIER LOYALTY ACCOUNT BALANCE APPLY
DMV_LYLTY_ACCT_BAL_SRC	FREQUENT FLIER LOYALTY ACCOUNT BALANCE SOURCE

Database Sequences

Table 3–8 lists the Sequence Names in Oracle Airlines Data Model.

Table 3–8 Database Sequences

Generates the Physical Key for Table Name	Sequence Name
DWA_CUST_SRVY	SEQ_DWA_CUST_SRVY

Table 3–8 (Cont.) Database Sequences

Generates the Physical Key for Table Name	Sequence Name
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

Metadata Tables

Table 3–9 lists the Metadata tables in Oracle Airlines Data Model.

Table 3–9 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.

Oracle Airlines Data Model OLAP Cube MV, Cube View

Table 3–10 shows the cube materialized views in `oadm_sys` schema.

Table 3–10 OLAP Cube Materialized Views in oadm_sys Schema

Cube Materialized View Name	OLAP Object Name	OLAP Object Type	More Information
CB$BKCLS_HBKCLS	BKCLS_HBKCLS	Dimension_Hierarchy	Booking Class: BKCLS
CB$BKOFC_HCNTYP	BKOFC_HCNTYP	Dimension_Hierarchy	Booking Office: BKOFC
CB$BKOFC_HBKOFC	BKOFC_HBKOFC	Dimension_Hierarchy	Booking Office: BKOFC
CB$BSDF	BSDF	Cube	Booking Segment Departure Fact Forecast Cube: BSDF_F
CB$BSDF_F	BSDF_F	Cube	Booking Segment Departure Fact Forecast Cube: BSDF_F
CB$CCPF	CCPF	Cube	Call Center Performance Fact Cube: CCPF
CB$CSDF	CSDF	Cube	Customer Survey Daily Fact Cube: CSDF
CB$FDDF	FDDF	Cube	Flight Detail Daily Fact Cube: FDDF
CB$GEO_HGEO	GEO_HGEO	Dimension_Hierarchy	Geography: GEO

Table 3–10 (Cont.) OLAP Cube Materialized Views in oadm_sys Schema

Cube Materialized View Name	OLAP Object Name	OLAP Object Type	More Information
CB$IRSN_HIRSN	IRSN_HIRSN	Dimension_Hierarchy	Interaction Reason: IRSN
CB$LOYLV_HLOYLY	LOYLV_HLOYLY	Dimension_Hierarchy	Loyalty Level: LOYLV
CB$LYAF	LYAF	Cube	Loyalty Account Fact Cube: LYAF
CB$LYBF	LYBF	Cube	Loyalty Booking Fact Cube: LYBF
CB$OPFLT_HOPFLT	OPFLT_HOPFLT	Dimension_Hierarchy	Operating Flight: OPFLT
CB$OPSMT_HOPSMT	OPSMT_HOPSMT	Dimension_Hierarchy	Operating Segment: OPSMT
CB$ROUTE_HROUTE	ROUTE_HROUTE	Dimension_Hierarchy	Route: ROUTE
CB$SRVC_HSRVC	SRVC	Dimension_Hierarchy	Service: SRVC
CB$TIME_HTIME	TIME_HTIME	Dimension_Hierarchy	Time: TIME
CB$TIME_HWEEK	TIME_HWEEK	Dimension_Hierarchy	Time: TIME

Table 3–11 shows the OLAP cube views in `oadm_sys` schema.

Table 3–11 OLAP Cube Views in oadm_sys schema

Cube View Name	OLAP Object Name	OLAP Object Type	More Information
BKCLS_HBKCLS_VIEW	BKCLS_HBKCLS	Hierarchy	Booking Class: BKCLS
BKCLS_VIEW	BKCLS	Dimension	Booking Class: BKCLS
BKOFC_HCNTYP_VIEW	BKOFC_HCNTYP	Hierarchy	Booking Office: BKOFC
BKOFC_HBKOFC_VIEW	BKOFC_HBKOFC	Hierarchy	Booking Office: BKOFC
BKOFC_VIEW	BKOFC	Dimension	Booking Office: BKOFC
BSDF_VIEW	BSDF	Cube	Booking Segment Departure Fact Cube: BSDF
BSDF_F_VIEW	BSDF_F	Cube	Booking Segment Departure Fact Forecast Cube: BSDF_F
CCPF_VIEW	CCPF	Cube	Call Center Performance Fact Cube: CCPF
CSDF_VIEW	CSDF	Cube	Customer Survey Daily Fact Cube: CSDF
FDDF_VIEW	FDDF	Cube	Flight Detail Daily Fact Cube: FDDF
GEO_HGEO_VIEW	GEO_HGEO	Hierarchy	Geography: GEO
GEO_VIEW	GEO	Dimension	Geography: GEO
IRSN_HIRSN_VIEW	IRSN_HIRSN	Hierarchy	Interaction Reason: IRSN
IRSN_VIEW	IRSN	Dimension	Interaction Reason: IRSN
LOYLV_HLOYLY_VIEW	LOYLV_HLOYLY	Hierarchy	Loyalty Level: LOYLV
LOYLV_VIEW	LOYLV	Dimension	Loyalty Level: LOYLV
LYAF_VIEW	LYAF	Cube	Loyalty Account Fact Cube: LYAF
LYBF_VIEW	LYBF	Cube	Loyalty Booking Fact Cube: LYBF

Table 3–11 (Cont.) OLAP Cube Views in oadm_sys schema

Cube View Name	OLAP Object Name	OLAP Object Type	More Information
OPFLT_HOPFLT_VIEW	OPFLT_HOPFLT	Hierarchy	Operating Flight: OPFLT
OPFLT_VIEW	OPFLT	Dimension	Operating Flight: OPFLT
OPSMT_HOPSMT_VIEW	OPSMT_HOPSMT	Hierarchy	Operating Segment: OPSMT
OPSMT_VIEW	OPSMT	Dimension	Operating Segment: OPSMT
ROUTE_HROUTE_VIEW	ROUTE_HROUTE	Hierarchy	Route: ROUTE
ROUTE_VIEW	ROUTE	Dimension	Route: ROUTE
SRVC_HSRVC_VIEW	SRVC	Hierarchy	Service: SRVC
SRVC_VIEW	SRVC	Dimension	Service: SRVC
TIME_HTIME_VIEW	TIME_HTIME	Hierarchy	Time: TIME
TIME_HWEEK_VIEW	TIME_HWEEK	Hierarchy	Time: TIME
TIME_VIEW	TIME	Dimension	Time: TIME

4

Oracle Airlines Data Model Logical to Physical Mapping

This chapter 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".

This chapter includes the following section:

- Logical to Physical Mappings for Oracle Airlines Data Model

Logical to Physical Mappings for Oracle Airlines Data Model

Table 4–1 lists 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

Table or View	Entity
ACCOUNT	DWR_ACCT
ACCOUNT	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 TYPE	DWR_ARCFT_TYP
AIRCRAFT VERSION	DWR_ARCFT_VRSN
AIRCRAFT VERSION	DWR_ARCFT_VRSN_DIM

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

Table or View	Entity
AIRPORT	DWR_ARPRT
AIRPORT	DWR_ARPRT_DIM
AMOUNT TYPE	DWL_AMT_TYP
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
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

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

Table or View	Entity
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
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

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

Table or View	Entity
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
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
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

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

Table or View	Entity
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	DWB_CDSHR_BRDG
CODESHARE BRIDGE	DWA_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
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

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

Table or View	Entity
COMPLAIN TYPE	DWL_CMPLN_TYP
CORPORATE CUSTOMER	DWR_CRPRT_CUST
COST	DWB_CST
COST CENTER	DWR_CST_CNTR
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
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
DEMOGRAPHY ATTRIBUTE	DWR_DEMOG_ATRIB
DEMOGRAPHY GROUP	DWR_DEMOG_GRP
DERIVED VALUE	DWR_DRVR_VAL
DIRECT EARNING	DWB_DRCT_ERNG
DISCOUNT GROUP	DWR_DISC_GRP
EARNING EVENT	DWB_ERNG_EVT
EDUCATION	DWR_EDU
EMAIL ADDRESS	DWR_EML_ADDR

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

Table or View	Entity
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 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
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
FLIGHT	DWR_FLT
FLIGHT CHANGE	DWB_FLT_CHNG
FLIGHT	DWR_FLT_DIM
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

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

Table or View	Entity
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 SCHEDULE	DWB_FLT_SCHL
FLIGHT SEGMENT INVENTORY	DWR_FLT_SEG_INV
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
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

Table or View	Entity
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

Table or View	Entity
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	DWR_LEG_DIM
LEG	DWR_LEG_H
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
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
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
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
MEDIA OBJECT	DWR_MEDIA_OBJ
MEMBERSHIP ACCOUNT	DWR_MBRSHIP_ACCT

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

Table or View	Entity
MINIMUM CONNECTING TIMES	DWB_MIN_CNCTNG_TMS
MISCELLANEOUS REMARKS	DWR_MISCLNS_RMRK
MONTH TODATE TRANSFORMATION	DWR_MO_TODATE_TRANS
MONTH TRANSFORMATION	DWR_MO_TRANS
NATIONALITY	DWL_NTNLTY
ODT ACCOUNT	DWR_ODT_ACCT
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
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
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

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

Table or View	Entity
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
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 CHANGE REASON	DWL_PRTY_STAT_CHNG_RSN
PARTY STATUS	DWR_PRTY_STAT_DIM
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

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

Table or View	Entity
PAX INVOICE HEADER	DWR_PAX_INVC_HDR
PDI CHANNEL	DWR_PDI_CHNL
PDI CHANNEL	DWR_PDI_CHNL_DIM
PDI CHARACTERISTIC	DWR_PDI_CHR
PDI CHANNEL	DWB_PDH_H
PHASE	DWR_PHS
PLANNING QUARTER	DWR_PLNG_QTR
PLANNING SEASON	DWR_PLNG_SEASON
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
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
QUARTER TO DATE TRANSFORMATION	DWR_QTR_TODATE_TRANS

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

Table or View	Entity
QUARTER TRANSFORMATION	DWR_QTR_TRANS
RELIGION	DWR_RLGN
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
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
SEASON	DWL_SEASON
SECOND	DWR_SCND
SEGMENT CRITERIA	DWR_SEG_CRTRA
	DWR_SEG_DIM
	DWR_SEG_PAIR_DIM
SEGMENT SCHEDULE	DWB_SEG_SCHL
SELLING LOCATION	DWR_SLNG_LOC
SELLING LOCATION TYPE	DWL_SLNG_LOC_TYP
SERVICE	DWR_SRVC
SERVICE COVERAGE AREA	DWR_SRVC_COVRG_AREA
SERVICE COVERAGE GEO DETAIL	DWR_SRVC_COVRG_GEO_DTL
SERVICE	DWR_SRVC_DIM
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

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

Table or View	Entity
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
TAX LINE ITEM	DWB_TAX_LN_ITEM
TAXABLE GROUP	DWR_TAXBL_GRP
	DWR_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_MNT
	DWR_PRD_TODATE_TRANS
SSR	DWR_PRD_TRANS
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 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
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

Table or View	Entity
TRANSFER EARNING	DWB_TRNSFR_ERNG
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	DWR_TSM_ROUTE
TSM ROUTE	DWB_TSM_XSB_RT
TSM SERVICE	DWR_TSM_SRVC
USER	DWR_USER
VALUE TYPE	DWL_VAL_TYP
VEHICLE	DWR_VHCL
VIRTUAL TEAM	DWR_VRTL_TEAM
WEEK TODATE TRANSFORMATION	DWR_WK_TODATE_TRANS
WEEK TRANSFORMATION	DWR_WK_TRANS
WEEKDAY	DWR_WKDAY

5

Oracle Airlines Data Model Partitioning

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

This chapter includes the following section:

- Partitioning Strategy for Oracle Airlines Data Model

Partitioning Strategy for Oracle Airlines Data Model

Table 5–1 shows the partitioning strategy 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_DRVD	DAY_KEY	DAY	TBS_DERIVED
DWD_TCKT	CLNDR_KEY	DAY	TBS_DERIVED

Part II

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

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

Part II contains the following chapters:

6

Oracle Airlines Data Model Intra-ETL

This chapter includes the following sections:

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**: A database package containing scripts that populate the derived tables based on the content of the base and reference tables.
- **Aggregate Population**: A database package containing 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" and the *Oracle Airlines Data Model Implementation and Operations Guide*.

Value Lookup Models for PL/SQL Procedures

Oracle Airlines Data Model value lookup values contains the lookup tables and the associated values which are used in Intra-ETL mapping.

Table 6–1 shows the tables and values which are used in join conditions and filter conditions in Intra-ETL mapping.

Table 6–1 shows the lookup tables and values which are used 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

Intra-ETL PL/SQL Mapping Source and Target Tables

Table 6–2 shows the PL/SQL packages for mapping source tables to target tables to populate Aggregate tables.

Table 6–3 shows the PL/SQL packages for mapping source tables to target tables to populate Derived tables.

Table 6–2 Intra-ETL Aggregate Table Mapping Packages

Package Name
PKG_DWA_CUST_SRVY Mapping
PKG_DWA_DLY_BKG Mapping
PKG_DWA_DLY_CALL_CNTR_PRFMNC Mapping
PKG_DWA_DLY_FLT_DTLS Mapping
PKG_DWA_DLY_LYALTY_ACCT_BKG Mapping
PKG_DWA_DLY_LYALTY_ACCT Mapping

Table 6–3 Intra-ETL Derived Table Mapping Packages

Package Name
PKG_DWD_BKG_FCT Mapping
PKG_DWD_CALL_CNTR_PRFMNC Mapping
PKG_DWD_CHKIN Mapping
PKG_DWD_CUST_SRVY Mapping
PKG_DWD_FLT_DTLS Mapping
PKG_DWD_LYLTY_ACCT_BAL_HIST Mapping
PKG_DWD_LYLTY_ACCT_LVL_HIST Mapping
PKG_DWD_TCKT Mapping

PKG_DWA_CUST_SRVY Mapping

Table 6–4 shows the source to target mapping to populate target table DWA_CUST_SRVY. For more information, see `CUSTOMER SURVEY AGG`.

Source Tables

DWD_CUST_SRVY

DWR_INTRATN_RSN

DWR_INTRATN_RSLT

Table 6–4 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	
SRVC_KEY	DWD_CUST_SRVY	SRVC_KEY	Direct Mapping.The foreign key to DWR_SRVC
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')

PKG_DWA_DLY_BKG Mapping

Table 6–5 shows the mapping to populate target table DWA_DLY_BKG. For more information, see DAILY BOOKING FACT.

Source Tables

DWD_BKG_FCT

DWR_CMPGN

DWR_RVN_CST_DRVD

Table 6–5 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_DRVD	CARGO_FRGHT_RVN	DWD_BKG_FCT left join DWD_RVN_CST_DRVD 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		Count(bkg.BKG_CD)
BKG_CLS_KEY	DWD_BKG_FCT	BKG_CLS_KEY	Direct Mapping.The foreign key to DWR_BKG_CLS	
CARRIER_KEY	DWD_BKG_FCT	CARRIER_KEY	Direct Mapping.The foreign key to DWR_CARRIER	
CDSHR_RVN	DWD_BKG_FCT	CPN_AMT		Sum(Case When bkg.CDSHR_IND='Y' Then nvl(bkg.CPN_AMT,0) Else 0 end)

Table 6–5 (Cont.) PKG_DWA_DLY_BKG_ ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
CHARTER_RVN	DWD_RVN_CST_DRVD	CHARTER_RVN	DWD_BKG_FCT left join DWD_RVN_CST_DRVD 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	
CLNDR_KEY	DWD_BKG_FCT	CLNDR_KEY	Direct Mapping.The foreign key to DWR_CLNDR	
CMPGN_KEY	DWR_CMPGN	CMPGN_KEY	Direct Mapping.The foreign key to DWR_CMPGN	
CNCL_CNT	DWD_BKG_FCT	BKG_CD		Count(Case When bkg.CNCL_DTTIME is not null Then bkg.BKG_CD end) CNCL_CNT
CNCL_FROM_CNFRMD	DWD_BKG_FCT	BKG_CD		Count(Case When bkg.CNFRM_DTTIME<bkg.CNCL_DTTIME then bkg.BKG_CD end) CNCL_FROM_CNFRMD
CNFRMD_CNT	DWD_BKG_FCT	BKG_CD		Count(Case When bkg.CNFRM_DTTIME is not null Then bkg.BKG_CD end) CNFRMD_CNT
CPN_CNT	DWD_BKG_FCT	CPN_CD		Count(bkg.CPN_CD) CPN_CNT
CRPRT_CUST_KEY	DWD_BKG_FCT	CRPRT_CUST_KEY	Direct Mapping.The foreign key to DWR_CRPRT_CUST	
EXCSS_BAG_RVN	DWD_RVN_CST_DRVD	EXCSS_BAG_RVN	DWD_BKG_FCT left join DWD_RVN_CST_DRVD 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	
GRP_BKD_QTY	DWD_BKG_FCT	BKG_CD		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		Count(Case When bkg.GRPNG_IND is not null Then bkg.PAX_KEY end) GRP_PAX_CNT

Table 6–5 (Cont.) PKG_DWA_DLY_BKG_ ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
INDVL_BKD_QTY	DWD_BKG_FCT	BKG_CD		Count(Case When bkg.GRPNG_IND is null Then bkg.BKG_CD end) INDVL_BKD_QTY
INDVL_PAX_CNT	DWD_BKG_FCT	PAX_KEY		Count(Case When bkg.GRPNG_IND is null Then bkg.PAX_KEY end) INDVL_PAX_CNT
MO_KEY	DWD_BKG_FCT	MO_KEY	Direct Mapping.It indicates the foreign key which is the primary key of the other table	
NET_BKD	DWD_BKG_FCT	BKG_CD		Count(Case When not bkg.CNFRM_ DTTIME<bkg.CNCL_ DTTIME then bkg.BKG_CD end) NET_BKD
NET_CNFRMD	DWD_BKG_FCT	KG_CD		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	
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_ DRVD	OTHR_OVRFLYNG_ CHRGS	DWD_BKG_FCT left join DWD_RVN_CST_DRVD 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_ DRVD	OTHR_RVN_ CHARTER	DWD_BKG_FCT left join DWD_RVN_CST_DRVD rvn on (rvn.DAY_ KEY=bkg.CLNDR_KEY and rvn.FLT_ KEY=bkg.FLT_KEY)	Sum(Nvl(rvn.OTHR_RVN_ CHARTER,0)) OTHR_RVN

Table 6–5 (Cont.) PKG_DWA_DLY_BKG_ ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
PAX_CNT	DWD_BKG_FCT	PAX_KEY		Count(bkg.PAX_KEY) PAX_CNT
SEG_KEY	DWD_BKG_FCT	SEG_KEY	Direct Mapping.The foreign key to DWR_SEG	
SEG_PAIR_KEY	DWD_BKG_FCT	SEG_PAIR_KEY	Direct Mapping.The foreign key to DWR_SEG_PAIR	
SL_CHNL_KEY	DWD_BKG_FCT	SL_CHNL_KEY	Direct Mapping.The foreign key to DWR_SL_CHNL	
TAX_AMT	DWD_RVN_CST_DRVD	PAX_TAX	DWD_BKG_FCT left join DWD_RVN_CST_DRVD 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		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		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	
WTLSTD	DWD_BKG_FCT	BKG_CD		

PKG_DWA_DLY_CALL_CNTR_PRFMNC Mapping

Table 6–6 shows the mapping to populate target table DWA_DLY_CALL_CNTR__PRFMNC. For more information, see `DAILY CALL CENTER PERFORMANCE`.

Source Tables

DWD_CALL_CNTR_PRFMNC

Table 6–6 PKG_DWA_DLY_CC_PRFM 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		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		COUNT(PRTY_INTRACN_CALL_CD) AS CALL_CNT
CLNDR_KEY	DWD_CALL_CNTR_PRFMNC	CLNDR_KEY	Direct Mapping.The foreign key to DWR_CLNDR	

Table 6–6 (Cont.) PKG_DWA_DLY_CC_PRFM ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
MNT_OF_CALL_DRTN	DWD_CALL_CNTR_PRFMNC	CUST_SATISFACTN_IND,DLY_CALL_CNTR_PRFMNC_KEY		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	
OFFC_KEY	DWD_CALL_CNTR_PRFMNC	OFFC_KEY	Direct Mapping.The foreign key to DWR_BKG_OFFC	
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)

PKG_DWA_DLY_FLT_DTLS Mapping

Table 6–7 shows the mapping to populate target table DWA_DLY_FLT_DTLS.

Source Tables

DWD_FLT_DETLS

Table 6–7 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	
FLT_KEY	DWD_FLT_DTLS	FLT_KEY	Direct Mapping.The foreign key to DWR_FLT	
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	

PKG_DWA_DLY_LYALTY_ACCT_BKG Mapping

Table 6–8 shows the mapping to populate target DWA_DLY_LYALTY_ACCT_BKG. For more information, see `DAILY LOYALTY ACCOUNT BOOKING`.

Source Tables

DWD_BKG_FACT

DWR_FREQ_FLYR

Table 6–8 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			count(1) --bkg.BKD_CNT
CLNDR_KEY	DWD_BKG_FCT	CLNDR_KEY	Direct Mapping.The foreign key to DWR_CLNDR	
CNCL_CNT	DWD_BKG_FCT	CNCL_DTTIME		Sum (Case When bkg.CNCL_DTTIME is not null Then 1 Else 0 end) CNCL_CNT
CNFRMD_CNT	DWD_BKG_FCT	CNFRM_DTTIME		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		Count(Distinct bkg.FLT_KEY) FLT_CNT
LYLTY_ACCT_CNT	DWD_BKG_FCT	FRQTFLR_CARD_KEY		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	
LYLTY_PROG_KEY	DWR_FREQ_FLYR	LYLTY_PROG_KEY	Direct Mapping.The foreign key to DWR_LYLTY_PROG	
MO_KEY	DWD_BKG_FCT	MO_KEY	Direct Mapping.It indicates the foreign key which is the primary key of the other table	
OFFC_KEY	DWD_BKG_FCT	OFFC_KEY	It indicates the foreign key which is the primary key of the other table	
PAX_CNT	DWD_BKG_FCT	PAX_KEY		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

PKG_DWA_DLY_LYALTY_ACCT Mapping

Table 6–9 shows the mapping to populate target table DWA_DLY_LYALTY_ACCT. For more information, see DAILY LOYALTY ACCOUNT.

Source Tables

DWR_FREQ_FLYR

DWD_LYLTY_ACCT_LVL_HIST

DWD_LYLTY_ACCT_BAL_HIST

Table 6–9 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	
CLNDR_KEY	DWD_LYLTY_ ACCT_LVL_HIST	CLNDR_KEY	Direct Mapping.The foreign key to DWR_CLNDR	
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	
LYLTY_ PTROGRAM_ KEY	DWD_LYLTY_ ACCT_BAL_HIST	LYLTY_PROG_KEY	The foreign key to DWR_ LYLTY_PROG	
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 6–9 (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	
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
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		Count(Distinct CASE WHEN last_lvl.LAST_LVL_KEY < ff.LYLTY_LVL_KEY Then lalh.FRQTFLR_CARD_KEY end) UPGD_CNT

PKG_DWD_BKG_FCT Mapping

Table 6–10 shows the list of source tables for PKG_DWD_BKG_FCT. Table 6–11 shows the mapping to populate target table DWD_BKG_FCT. For more information, see BOOKING FACT.

Table 6–10 PKG_DWD_ BKG_FCT ETL Mapping Source Tables

Source Table Name
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 6–11 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.	
APIS_CMPLT_IND	DWB_BKG	APIS_CMPLT_IND	Direct Mapping.	
BID_PRC	DWB_BKG	BID_PRC	Direct Mapping.	
BKG_CD	DWB_BKG	BKG_CD	Direct Mapping.	
BKG_CLS_KEY	DWB_BKG	BKG_CLS_KEY	Direct Mapping.	
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)	
BKG_CRTN_TMSTMP	DWB_BKG	SRC_SYS_CRTD_ TMSTMP	Direct Mapping.	
BKG_GRP_IND	DWB_BKG	BKG_GRP_IND	Direct Mapping.	
BKG_LAST_UPDT_ TMSTMP	DWB_BKG	SRC_SYS_UPDTD_ TMSTMP	Direct Mapping.	
BKG_MKTG_FLT_DT	DWB_BKG	MKTG_FLT_DPRT_ DT_TIME	Direct Mapping.	
BKG_MKTG_FLT_DT_ LCL	DWB_BKG	MKTG_FLT_DPRT_ DT_TIME	Direct Mapping.	
BKG_OPERTNG_FLT_ DT_UTC	DWB_BKG	OPRN_FLT_DPTR_ DT_UTC	Direct Mapping.	
BKG_OPRTNG_FLT_ DT_LCL	DWB_BKG	OPRN_FLT_DPTR_DT	Direct Mapping.	
BKG_OPRTNL_FLT_ DT	DWB_BKG	OPRN_FLT_DPTR_DT	Direct Mapping.	
BKG_STAT_CHNG_ IND	DWB_BKG	BKG_STAT_CHNG_ IND	Direct Mapping.	
BKG_TYP	DWB_BKG	BKG_TYP	Direct Mapping.	
BRDNG_IND	DWB_BKG	BRDNG_IND	Direct Mapping.	
BSNS_IND	DWB_BKG	BSNS_IND	Direct Mapping.	

Table 6–11 (Cont.) PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
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')	
CBN_CD	DWB_BKG	CBN_CD	Direct Mapping.	
CDSHR_AGRMNT	DWB_BKG	CDSHR_AGRMNT	Direct Mapping.	
CDSHR_CLS	DWB_BKG	CDSHR_CLS	Direct Mapping.	
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')	
CLNDR_KEY	DWB_BKG	PNR_CRTN_DT	to_char(bkg.PNR_CRTN_ DT,'YYYYMMDD') --CLNDR_ KEY	
CLS	DWB_BKG	BKG_CLS	Direct Mapping.	
CNCL_DTTIME	DWB_BKG	BKG_CNCL_DTTIME	Direct Mapping.	
CNFRM_DTTIME	DWB_BKG	BKG_CNFRM_ DTTIME	Direct Mapping.	
CNFRM_IND	DWB_BKG	CNFRM_IND	Direct Mapping.	
CPN_AMT	DWB_TCKT	TOT_AMT	DWB_TCKT_CPN left join DWB_TCKT tckt on (tcpn.CPN_ CD=tckt.TCKT_CD)	
CPN_CD	DWB_BKG	PAX_CPN_CD	Direct Mapping.	
CRPRT_CUST_KEY	DWB_BKG	PAX_KEY	Case When bkg.PAX_ TYP='CRPRT_CUST' Then bkg.PAX_KEY end	
CURR_STAT	DWB_BKG	CURR_IND	Direct Mapping.	
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.	
ECONOMY_IND	DWB_BKG	ECONOMY_IND	Direct Mapping.	
FIRST_IND	DWB_BKG	FIRST_IND	Direct Mapping.	
FLN_PAX_CNT	DWB_BKG	FLN_PAX_CNT	Direct Mapping.	
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 6–11 (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')	
FRQTFLR_CARD_ KEY	DWB_BKG	FRQTFLR_CARD_KEY	Direct Mapping.	
FRQTFLR_NBR	DWB_BKG	FRQTFLR_NBR	Direct Mapping.	
GRPNG_IND	DWB_BKG	GRPNG_IND	Direct Mapping.	
INFNT_CPN_AMT	DWB_TCKT	TOT_AMT	DWB_TCKT_CPN left join DWB_TCKT tckt2 on (tcpn2.CPN_CD=tckt2.TCKT_ CD)	
INFNT_CPN_CD	DWB_BKG	INFNT_CPN_CD	Direct Mapping.	
INFO_IND	DWB_BKG	INFORMATIONAL_ IND	Direct Mapping.	
MEAL_CD	DWB_BKG	MEAL_CD	Direct Mapping.	
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)	
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)	
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.	
NIGHT_IND	DWB_BKG	NIGHT_IND	Direct Mapping.	
NON_RVN_FLN_ PAX_CNT	DWB_BKG	NON_RVN_FLN_ PAX_CNT	Direct Mapping.	
OFF_KEY	DWB_BKG	OFFC_KEY	Direct Mapping.It indicates the foreign key which is the primary key of the other table	
OFRD_ORGN_TO_ DSTN_FLN_PAX_ CNT	DWB_BKG	OFRD_ORGN_TO_ DSTN_FLN_PAX_CNT	Direct Mapping.	
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.	
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)	
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)	
ORIGINL_ACTN_CD	DWB_BKG	ORGNL_ACTN_CD	Direct Mapping.	

Table 6–11 (Cont.) PKG_DWD_ BKG_FCT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
OVERBKG_RSN	DWB_BKG	OVERBKG_RSN_ DSCR	Direct Mapping.	
OVERBKG_TYP	DWB_BKG	OVERBKG_TYP	Direct Mapping.	
PAX_KEY	DWB_BKG	PAX_KEY	Direct Mapping.	
PNR_CRTN_DT	DWB_BKG	PNR_CRTN_DT	Direct Mapping.	
PNR_KEY	DWB_BKG	PNR_KEY	Direct Mapping.	
PNR_ RECORDLOCATOR	DWB_BKG	BKG_PNR_RLOC	Direct Mapping.	
SEAT_NBR	DWB_BKG	SEAT_NBR	Direct Mapping.	
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)	
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')	
SRC_SYS_CRTD_ TMSTMP	DWB_BKG	SRC_SYS_CRTD_ TMSTMP	Direct Mapping.	
SRC_SYS_DEL_IND	DWB_BKG	SRC_SYS_DEL_IND	Direct Mapping.	
SRC_SYS_ID	DWB_BKG	SRC_SYS_ID	Direct Mapping.	
SRC_SYS_UPDTD_ TMSTMP	DWB_BKG	SRC_SYS_UPDTD_ TMSTMP	Direct Mapping.	
SSR_KEY	DWB_BKG_SSR	SSR_KEY	DWB_BKG left join DWB_BKG_ SSR bssr on (bkg.BKG_ CD=bssr.BKG_CD)	
STAT_CD	DWB_BKG	STAT_CD	Direct Mapping.	
TCKT_CD	DWB_TCKT_CPN	TCKT_CD	DWB_BKG left join DWB_ TCKT_CPN tcpn on (bkg.PAX_ CPN_CD=tcpn.CPN_CD)	
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)	
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')	
TST_CD	DWB_BKG	TST_CD	Direct Mapping.	
TST_INFNT_FARE_ BASIS_CD	DWB_BKG	TST_INFNT_FARE_ BASIS_CD	Direct Mapping.	
TST_PAX_FARE_ BASIS_CD	DWB_BKG	TST_PAX_FARE_ BASIS_CD	Direct Mapping.	
WAITLIST_DTTIME	DWB_BKG	WAITLIST_DTTIME	Direct Mapping.	
WAITLIST_IND	DWB_BKG	WAITLIST_IND	Direct Mapping.	
YLD	DWB_BKG	YLD	Direct Mapping.	

PKG_DWD_CALL_CNTR_PRFMNC Mapping

Table 6–12 shows the mapping to populate target table DWD_CALL_CNTR_PRFMNC. For more information, see CALL CENTER PERFORMANCE.

Source Tables

DWB_PRTY_INTRACN_CALL

DWR_CALL_CNTR

DWR_CALL_CNTR_AGNT

Table 6–12 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')	
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	
HLD_DRTN	DWB_PRTY_INTRACN_CALL	HLD_DRTN	Direct Mapping.This indicates the HOLD DURATION	
HNDL_BY_IVR_IND	DWB_PRTY_INTRACN_CALL	HNDL_BY_IVR_IND	Direct Mapping.This indicates the HANDLED BY IVR INDICATOR	
INTRACN_DRTN	DWB_PRTY_INTRACN_CALL	INTRACN_DRTN	Direct Mapping.This indicates the INTERACTION DURATION	
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	
PRTY_INTRACN_CALL_CD	DWB_PRTY_INTRACN_CALL	PRTY_INTRACN_CALL_CD	Direct Mapping.	
QUE_DRTN	DWB_PRTY_INTRACN_CALL	QUE_DRTN	Direct Mapping.This indicates the QUEUE DURATION	
TALK_DRTN	DWB_PRTY_INTRACN_CALL	TALK_DRTN	Direct Mapping.This indicates the TALK DURATION	

PKG_DWD_CHKIN Mapping

Source Tables

DWB_BKG

DWB_CHKIN

DWB_SEG_SCHL

DWR_CHKIN_BAG_GRP

DWR_LEG

Table 6–13 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	
ACPT_STAT	DWB_CHKIN	ACPT_STAT	Direct Mapping.This indicates the ACCEPTANCE STATUS	
ARPRT_KEY	DWB_CHKIN	DPRT_ARPRT_KEY	Direct Mapping.	
ARRVL_ARPRT	DWB_CHKIN	ARRVL_ARPRT_KEY	Direct Mapping.	
BAG_GRP_CHKIN_ BAG_CNT	DWB_CHKIN	TOT_BAG_NBR	Direct Mapping.This indicates the TOTAL BAGGAGE NUMBER	
BAG_GRP_CHKIN_ BAG_WEIGHTT	DWB_CHKIN	TOT_BAG_WT	Direct Mapping.This indicates the TOTAL BAGGAGE WEIGHT	
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')	
BAG_GRP_POOL_ REF	DWB_CHKIN	BAG_GRP_POOL_REF	Direct Mapping.	
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')	
BAG_STAT	DWB_CHKIN	BAG_STAT	Direct Mapping.This indicates the BAGGAGE STATUS	
BKG_KEY	DWB_CHKIN	BKG_CD	Direct Mapping.	
BKG_PDI_INFNT_ IND	DWB_CHKIN	BKG_PDI_INFNT_IND	Direct Mapping.This indicates the BOOKING PDI INFANT INDICATOR	
BRDNG_STAT	DWB_CHKIN	BRDNG_STAT	Direct Mapping.This indicates the BOARDING STATUS	
CARRIER_KEY	DWB_CHKIN	CARRIER_KEY	Direct Mapping.	
CHNL_KEY	DWB_CHKIN	CHNL_KEY	Direct Mapping.	
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.	
CUST_REC_STAT	DWB_CHKIN	CUST_REC_STAT	Direct Mapping.This indicates the CUSTOMER RECORD STATUS	
DPRT_ARPRT	DWB_CHKIN	DPRT_ARPRT_KEY	Direct Mapping.	
DWFEED_CD	DWB_CHKIN	DWFEED_CD	Direct Mapping.	
FLT_KEY	DWB_CHKIN	FLT_KEY	Direct Mapping.	
IATC_ORGNL_INFO	DWB_CHKIN	IATC_ORGN_INFO	Direct Mapping.This indicates the IATC ORIGIN INFORMATION	
IATCI_ORGNL_ CMPNY	DWB_CHKIN	IATCI_ORGN_CMPNY	Direct Mapping.This indicates the IATCI ORIGIN COMPANY	
IATCI_TRGT	DWB_CHKIN	IATCI_TRGT	Direct Mapping.This indicates the IATCI TARGET	

Table 6–13 (Cont.) PKG_DWD_ CHKIN ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
IATCI_TRGT_CMPNY	DWB_CHKIN	IATCI_TRGT_CMPNY	Direct Mapping.This indicates the IATCI TARGET COMPANY	
IATCI_TRGT_ CMPNY_CD	DWB_CHKIN	IATCI_TRGT_CMPNY	Direct Mapping.This indicates the IATCI TARGET COMPANY	
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')	
MO_KEY	DWB_CHKIN	DPRT_DT		to_char(dc.DPRT_ DT,'YYYYMM') || '01'
OFF_KEY	DWB_CHKIN	OFFC_KEY	Direct Mapping.	
PAX_KEY	DWB_BKG	PAX_KEY	DWB_CHKIN left join DWB_ BKG bkg on (dc.BKG_ CD=bkg.BKG_CD)	
PDI_CD	DWB_CHKIN	PDI_CD	Direct Mapping.	
REGRADE_CBN_CD	DWB_CHKIN	REGRADE_CBN_CD	Direct Mapping.This indicates the REGRADE CABIN CODE	
REGRADE_DSCR	DWB_CHKIN	REGRADE_DSCR	Direct Mapping.This indicates the REGRADE DESCRIPTION	
REGRADE_STAT	DWB_CHKIN	REGRADE_STAT	Direct Mapping.This indicates the REGRADE STATUS	
RESPBL_CUST_KEY	DWB_CHKIN	RESPBL_CUST_KEY	Direct Mapping.	
RESPBL_CUST_ NAME	DWB_CHKIN	RESPBL_CUST_NAME	Direct Mapping.This indicates the RESPONSIBLE CUSTOMER NAME	
SEAT_DTLS	DWB_CHKIN	SEAT_DTL	Direct Mapping.This indicates the SEAT DETAIL	
SEG_KEY	DWB_SEG_SCHL	SEG_KEY	DWB_CHKIN left join DWB_ SEG_SCHL segs on (dc.SEG_ SCHL_CD=segs.SEG_SCHL_ CD)	
TOT_BAG_CNT	DWB_CHKIN	TOT_BAG_NBR	Direct Mapping.This indicates the TOTAL BAGGAGE NUMBER	

PKG_DWD_CUST_SRVY Mapping

Table 6–14 shows the mapping to populate target table DWD_CUST_SRVY. For more information, see `CUSTOMER SURVEY DERIVED`.

Source Tables

DWB_PRTY_INTRACN_THRD

Table 6–14 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	
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	
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	
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.	
SRVC_KEY	DWB_PRTY_ INTRACN_THRD	SRVC_KEY	Direct Mapping.It indicates the foreign key which is the primary key of the other table	

PKG_DWD_FLT_DTLS Mapping

Table 6–15 shows the mapping to populate target table DWD_FLT_DTLS. For more information, see FLIGHT DETAILS FACT.

Source Tables

DWB_FLT_SCHD

DWB_LEG_SCHL

DWB_SEG_SCHL

DWR_ARCFT_VRSN

DWR_LEG

Table 6–15 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)	
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')	
CDSHR_TYP	DWB_FLT_SCHL	FLT_CDSHR_TYP	Direct Mapping.This indicates the FLIGHT CODESHARE TYPE	

Table 6–15 (Cont.) PKG_DWD_FLT_DTLS ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
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	
END_DT	DWB_FLT_SCHL	END_DT	Direct Mapping.This indicates the END DATE	
FLT_ALPHA_SUFX	DWB_FLT_SCHL	FLT_ALPHA_SUFX	Direct Mapping.This indicates the FLIGHT ALPHA SUFFIX	
FLT_CARRIER_CD	DWB_FLT_SCHL	FLT_CARRIER_CD	Direct Mapping.This indicates the FLIGHT CARRIER CODE	
FLT_DT	DWB_FLT_SCHL	FLT_FST_DPRT_DT	Direct Mapping.This indicates the FLIGHT FST DEPARTURE DATE	
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	
FLT_KEY	DWB_FLT_SCHL	FLT_KEY	Direct Mapping.It indicates the foreign key which is the primary key of the other table	
FLT_NBR	DWB_FLT_SCHL	FLT_NBR	Direct Mapping.This indicates the FLIGHT NUMBER	
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')	
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)	
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)	
SALEBLE_TOT_CPCTY	DWB_FLT_SCHL	TOT_SLBL_CPCTY	Direct Mapping.This indicates the TOTAL SALEABLE CAPACITY	
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)	
STAT_FLG	DWB_FLT_SCHL	STAT_FLG	Direct Mapping.This indicates the STATUS FLAG	
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	

PKG_DWD_LYLTY_ACCT_BAL_HIST Mapping

Table 6–16 shows the mapping to populate target table DWD_LYLTY_ACCT_BAL_HIST. For more information, see.

Source Tables

DWB_LYLTY_ACCT_BAL_HIST

DWR_FREQ_FLYR

DWR_LYLTY_ACCT

Table 6–16 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')	
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	
CURR_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	CURR_MILES_AMT_LCL	Direct Mapping.	
CURR_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	CURR_MILES_AMT_RPT	Direct Mapping.	
EXPIRED_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	EXPIRED_MILES_AMT	Direct Mapping.This indicates the EXPIRED MILES AMOUNT	
EXPIRED_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	EXPIRED_MILES_AMT_LCL	Direct Mapping.	
EXPIRED_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	EXPIRED_MILES_AMT_RPT	Direct Mapping.	
EXTRA_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	EXTRA_MILES_AMT	Direct Mapping.This indicates the EXTRA MILES AMOUNT	
EXTRA_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	EXTRA_MILES_AMT_LCL	Direct Mapping.	
EXTRA_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	EXTRA_MILES_AMT_RPT	Direct Mapping.	
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')	
LAST_BAL_AMT	DWB_LYLTY_ACCT_BAL_HIST	LAST_BAL_AMT	Direct Mapping.This indicates the LAST BALANCE AMOUNT	
LAST_BAL_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	LAST_BAL_AMT_LCL	Direct Mapping.	
LAST_BAL_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	LAST_BAL_AMT_RPT	Direct Mapping.	

Table 6–16 (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)
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	
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')	
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	
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	
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	
PRMTN_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	PRMTN_MILES_AMT	Direct Mapping.This indicates the PROMOTION MILES AMOUNT	
PRMTN_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	PRMTN_MILES_AMT_LCL	Direct Mapping.	
PRMTN_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	PRMTN_MILES_AMT_RPT	Direct Mapping.	
REDM_MILES_AMT	DWB_LYLTY_ACCT_BAL_HIST	REDM_MILES_AMT	Direct Mapping.This indicates the REDEEM MILES AMOUNT	
REDM_MILES_AMT_LCL	DWB_LYLTY_ACCT_BAL_HIST	REDM_MILES_AMT_LCL	Direct Mapping.	
REDM_MILES_AMT_RPT	DWB_LYLTY_ACCT_BAL_HIST	REDM_MILES_AMT_RPT	Direct Mapping.	

PKG_DWD_LYLTY_ACCT_LVL_HIST Mapping

Table 6–17 shows the mapping to populate target table DWD_LYLTY_ACCT_LVL_HIST. For more information, see LOYALTY ACCOUNT LEVEL HISTORY.

Source Tables

DWB_LYLTY_ACCT_LVL_HIST

DWR_FREQ_FLYR

DWR_LYLTY_LVL

Table 6–17 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.	
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')	
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')	
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.	
VALID_UPTO	DWB_LYLTY_ACCT_LVL_HIST	EXP_DT	Direct Mapping.	

PKG_DWD_TCKT Mapping

Table 6–18 shows the mapping to populate target table DWD_TCKT. For more information, see TICKET.

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	Comments (Formula If Any)
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	to_char(TCKT_ISSUING_DT,'yyyymm')||'01'
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	

Table 6–18 (Cont.) PKG_DWD_TCKT ETL Source to Target Mapping

Column Name	Source Table Name	Source Column Name	Transformation Description	Comments (Formula If Any)
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.	

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_DRVD, the code in ETL package is as follows:

    PKG_DWD_RVN_CST_DRVD.Load('DWD_RVN_CST_DRVD',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

This chapter describes the data Flow between the fact tables of Oracle Airlines Data Model.

This chapter includes the following sections:

- Oracle Airlines Data Model Introduction to OLAP Dimensions
- Oracle Airlines Data Model OLAP Dimensions

For more information, see Chapter 8, "Oracle Airlines Data Model OLAP Model Cubes".

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

Oracle Airlines Data Model OLAP Dimensions

Table 7–1 lists the Dimension tables.

Table 7–1 Oracle Airlines Data Model Dimension Tables

Dimension
Booking Class: BKCLS
Booking Office: BKOFC
Geography: GEO
Interaction Reason: IRSN
Loyalty Level: LOYLV
Operating Flight: OPFLT
Operating Segment: OPSMT
Route: ROUTE

Table 7–1 (Cont.) Oracle Airlines Data Model Dimension Tables

Dimension
Service: SRVC
Time: TIME

Booking Class: BKCLS

Table 7–2 briefly describes all the information of the Booking Class Dimension.

Table 7–2 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 7–3 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 7–4 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

Booking Office: BKOFC

Table 8-3 briefly describes all the information of the Booking Office Dimension.

Table 7–5 Booking Office (HBKOFC) Levels and Hierarchies

Levels	Description	Booking Office Hierarchy (HBKOFC)	Channel Type Hierarchy (HCNTYP)
TBKOFC	Total Booking Office	TBKOFC	TBKOFC
ACNTNT	Agent Continent	ACNTNT	
ACUNTRY	Agent Country	ACUNTRY	
ARGN	Agent Region	ARGN	
ACITY	Agent City	ACITY	

Table 7–5 (Cont.) Booking Office (HBKOFC) Levels and Hierarchies

Levels	Description	Booking Office Hierarchy (HBKOFC)	Channel Type Hierarchy (HCNTYP)
BKOFC	Booking Office	BKOFC	
CNTYP	Channel Type		CNTYP
AGNT	Agent	AGNT	AGNT

Hierarchy of HBKOFC

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7–6 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 7–7 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 7–8 Booking Office HBKOFC Agent Status Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	
ACNTNT	
ACUNTRY	
ARGN	
ACITY	
BKOFC	

Table 7–8 (Cont.) Booking Office HBKOFC Agent Status Attribute Mapping

Level	Mapping (Physical Column)
AGNT	DWR_BKG_OFFC.STAT_CD

Attribute Name: Agent Name (ANM)

Table 7–9 Booking Office HBKOFC Agent Name Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	
ACNTNT	
ACUNTRY	
ARGN	
ACITY	
BKOFC	
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Agent IATA Code (AITCD)

Table 7–10 Booking Office HBKOFC Agent IATA Code Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	
ACNTNT	
ACUNTRY	
ARGN	
ACITY	
BKOFC	
AGNT	DWR_BKG_OFFC.IATA_CD

Hierarchy of HCNTYP

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7–11 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 7–12 Booking Office HCNTYP Short Description Mapping

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

Table 7–12 (Cont.) Booking Office HCNTYP Short Description Mapping

Level	Mapping (Physical Column)
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Agent IATA Code (AITCD))

Table 7–13 Booking Office HCNTYP IATA Code Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	
CNTYP	
AGNT	DWR_BKG_OFFC.IATA_CD

Attribute Name: Agent Name (ANM)

Table 7–14 Booking Office HCNTYP Agent Name Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	
CNTYP	
AGNT	DWR_BKG_OFFC.AGNT_NM

Attribute Name: Agent Status (ASTUS)

Table 7–15 Booking Office HCNTYP Agent Status Attribute Mapping

Level	Mapping (Physical Column)
TBKOFC	
CNTYP	
AGNT	DWR_BKG_OFF.C. STAT_CD

Geography: GEO

Table 8-4 briefly describes all the information of the Geography Dimension.

Table 7–16 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 7–17 Geography Long Description Attribute Mapping

Level	Mapping (Physical Column)
TGEO	Total Geography

Table 7–17 (Cont.) Geography Long Description Attribute Mapping

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

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7–18 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

Interaction Reason: IRSN

Table 8-5 briefly describes all the information of the Interaction Reason Dimension.

Table 7–19 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 7–20 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 7–21 Interaction Reason Short Description Attribute Mapping

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

Loyalty Level: LOYLV

Table 8-6 briefly describes all the information of the Loyalty Level Dimension.

Table 7–22 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 7–23 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 7–24 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 7–25 Loyalty Level Qualifying Start Points Attribute Mapping

Level	Mapping (Physical Column)
TLOYLY	
LOYLY	DWR_LYLTY_LVL. LVL_QLFYNG_STRT_PTS

Operating Flight: OPFLT

Table 8-7 briefly describes all the information of the Operating Flight Dimension.

Table 7–26 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 7–27 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 7–28 Operating Flight Short Description Attribute Mapping

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

Operating Segment: OPSMT

Table 8-8 briefly describes all the information of the Operating Segment Dimension.

Table 7–29 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 7–30 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 7–31 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 7–32 Operating Segment Pair Attribute Mapping

Level	Mapping (Physical Column)
TOPSMT	
TFRGN	
OPSMT	DWR_SEG. OFFPOINT_ARPRT_NAME || DWR_SEG. BRD_ARPRT_NAME

Route: ROUTE

Table 8-9 briefly describes all the information of the Route Dimension.

Table 7–33 Route (ROUTE) Levels and Hierarchies

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

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7–34 Route Long Description Attribute Mapping

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

Attribute Name: Short Description (SHORT_DESCRIPTION)

Table 7–35 Route Short Description Attribute Mapping

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

Service: SRVC

Table 8-10 briefly describes all the information of the Service Dimension.

Table 7–36 Service (SRVC) Levels and Hierarchies

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

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7–37 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 7–38 Service Short Description Attribute Mapping

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

Time: TIME

Table 8-11 briefly describes all the information of the Time Dimension.

Table 7–39 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
WEEK	Week	WEEK
DAY	Day	DAY

Attribute Name: Long Description (LONG_DESCRIPTION)

Table 7–40 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 7–41 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 7–42 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

Table 7–42 (Cont.) Time End Date Attribute Mapping

Level	Mapping (Physical Column)
MONTH	DWR_CLNDR.CLNDR_MO_END_DT
WEEK	DWR_CLNDR.CLNDR_WK_END_DT
DAY	DWR_CLNDR.CLNDR_DT

Attribute Name: Time Span (TIME_SPAN)

Table 7–43 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 7–44 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 7–45 Time Day of Week Number Attribute Mapping

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

Attribute Name: Day of Week Name (DOWNM)

Table 7–46 Time Day of Week Name Attribute Mapping

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

8

Oracle Airlines Data Model OLAP Model Cubes

This chapter includes the following sections:

For more information, see Chapter 7, "Oracle Airlines Data Model OLAP Model Dimensions".

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

Table 8–1 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	BSDF
Booking Segment Departure Fact Forecast Cube: BSDF_F	BSDF_F
Call Center Performance Fact Cube: CCPF	CCPF
Customer Survey Daily Fact Cube: CSDF	CSDF
Flight Detail Daily Fact Cube: FDDF	FDDF
Loyalty Account Fact Cube: LYAF	LYAF
Loyalty Booking Fact Cube: LYBF	LYBF

Booking Segment Departure Fact Cube: BSDF

Contains the summarized booking segment departure information.

Physical Name: BSDF

Dimensions and Load Level

Table 8–2 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

Table 8–3 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

Table 8–4 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

Table 8–4 (Cont.) Booking Segment Departure Fact Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
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

Table 8–5 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)

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

Physical Name	Logical Name	Definition
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)
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)

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

Physical Name	Logical Name	Definition
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")
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)
CTRVN_LP_PCT_CHG	Charter Revenue % Change LP	LAG_VARIANCE_PERCENT(BSDF.CTRVN, 1) OVER HIERARCHY ("TIME".HTIME)

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

Physical Name	Logical Name	Definition
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")
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)

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

Physical Name	Logical Name	Definition
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)
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

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

Physical Name	Logical Name	Definition
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)
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)

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

Physical Name	Logical Name	Definition
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)
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)
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)

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

Physical Name	Logical Name	Definition
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)
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)

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

Physical Name	Logical Name	Definition
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)
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)

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

Table 8–6 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

Table 8–6 (Cont.) Booking Segment Departure Fact Forecast Cube Dimensions and

Dimensions	Load Level
OPSMT	OPSMT
BKOFC	AGNT

Aggregation Order/Operator

Table 8–7 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

Table 8–8 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

Derived Measures

Table 8–9 briefly describes the Derived Measures.

Table 8–9 Booking Segment Departure Fact Forecast Derived Measures

Physical Name	Logical Name	Definition

Call Center Performance Fact Cube: CCPF

Contains the summarized call center performance information.

Physical Name: CCPF

Dimensions and Load Level

Table 8–10 briefly describes the Dimensions and Load Level.

Table 8–10 Call Center Performance Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
BKOFC	AGNT

Aggregation Order/Operator

Table 8–11 briefly describes the Aggregation Operator and Order

Table 8–11 Call Center Performance Fact Aggregation Operator and Order

Dimension Name	Operator	Order
TIME	sum	1
BKOFC	sum	2

Base Measures

Table 8–12 briefly describes the Base Measures

Table 8–12 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

Table 8–13 briefly describes the Derived Measures

Table 8–13 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)

Table 8–13 (Cont.) Call Center Performance Fact Cube Derived Measures

Physical Name	Logical Name	Definition
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")
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)

Customer Survey Daily Fact Cube: CSDF

Contains the summarized customer survey daily information.

Physical Name: CSDF

Dimensions and Load Level

Table 8–14 briefly describes the Dimensions and Load Level.

Table 8–14 Customer Survey Daily Fact Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
IRSN	IRSN
SRV	SRVC

Aggregation Order/Operator

Table 8–15 briefly describes the Aggregation Operator and Order.

Table 8–15 Customer Survey Daily Fact Cube Aggregation Operator and Order

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

Base Measures

Table 8–16 briefly describes the Base Measures.

Table 8–16 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

Table 8–17 briefly describes the Derived Measures.

Table 8–17 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)
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)

Table 8–17 (Cont.) Customer Survey Daily Fact Cube Derived Measures

Physical Name	Logical Name	Definition
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)

Flight Detail Daily Fact Cube: FDDF

Contains the summarized flight detail daily information.

Physical Name: FDDF

Dimensions and Load Level

Table 8–18 briefly describes the Dimensions and Load Level.

Table 8–18 Flight Detail Daily Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
OPSMT	OPSMT
OPFLT	OPFLT

Aggregation Order/Operator

Table 8–19 briefly describes the Aggregation Operator and Order.

Table 8–19 Flight Detail Daily Cube Aggregation Operator and Order

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

Base Measures

Table 8–20 briefly describes the Base Measures.

Table 8–20 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

Table 8–21 briefly describes the Derived Measures.

Table 8–21 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)

Loyalty Account Fact Cube: LYAF

Contains the summarized loyalty account information.

Physical Name: LYAF

Dimensions and Load Level

Table 8–22 briefly describes the Dimensions and Load Level.

Table 8–22 Loyalty Account Fact Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
GEO	CITY
LOYLV	LOYLY

Aggregation Order/Operator

Table 8–23 briefly describes the Aggregation Operator and Order.

Table 8–23 Loyalty Account Fact Cube Aggregation Operator and Order

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

Base Measures

Table 8–24 briefly describes the Base Measures.

Table 8–24 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

Table 8–24 (Cont.) Loyalty Account Fact Cube Base Measures

Physical Name	Logical Name	Physical Column	Description
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_ERND_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

Table 8–25 briefly describes the Derived Measures.

Table 8–25 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)
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 8–25 (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")
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)

Loyalty Booking Fact Cube: LYBF

Contains the summarized loyalty account booking information.

Physical Name: LYBF

Dimensions and Load Level

Table 8–26 briefly describes the Dimensions and Load Level.

Table 8–26 Loyalty Booking Fact Cube Dimensions and Load Level

Dimensions	Load Level
TIME	DAY
LOYLV	LOYLY
BKOFC	AGNT

Aggregation Order/Operator

Table 8–27 briefly describes the Aggregation Operator and Order.

Table 8–27 Loyalty Booking Fact Cube Aggregation Operator and Order

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

Base Measures

Table 8–28 briefly describes the Base Measures.

Table 8–28 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
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

Table 8–29 briefly describes the Derived Measures.

Table 8–29 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)
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 8–29 (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)
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")

Table 8–29 (Cont.) Loyalty Booking Fact Cube Derived Measures

Physical Name	Logical Name	Definition
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")
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

This chapter provides reference information about the data mining models provided with Oracle Airlines Data Model.

This chapter includes the following sections:

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.

As shown in Table 9–2, the Oracle Airlines Data Model mining models use the specified algorithms for specific problem types.

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)
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

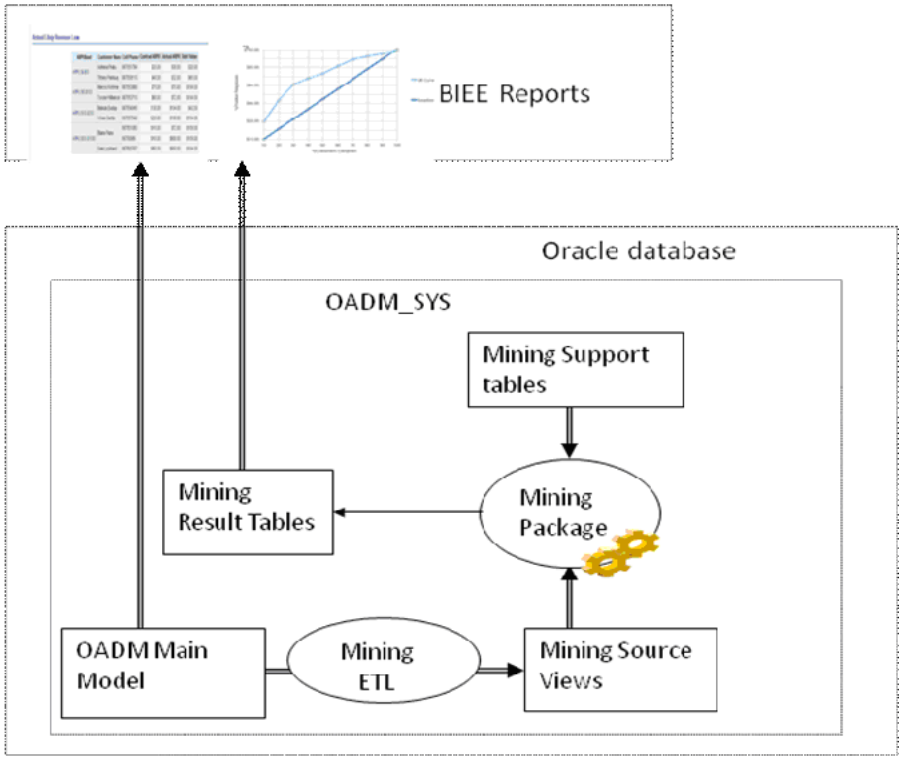
Oracle Airlines Data Model consists of one schema, `oadm_sys`. Table 9–1shows how mining source tables (MV) are mapped and how mining packages function.

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.

For more information about the Oracle Mining training and Scoring (applying) process, see *Oracle Data Mining Concepts*.

Figure 9–1 Oracle Airlines Data Model Mining Package Overview



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 best one of them is picked. The mining model refresh process is divided into three 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.

About Data Mining in Oracle Airlines Data Model

Table 9–2 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)
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)

Oracle Airlines Data Model Mining Result Tables

Table 9–3 shows the `dwd_cust_mnng` data mining result table.

Table 9–3 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

Table 9–4 shows the `dwr_cust_sgmnt` result table.

Table 9–4 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
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

Table 9–5 shows the `dwd_cust_lylty_dt_rules` data mining result table.

Table 9–5 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

Table 9–6 shows the `dwd_cust_lylty_svm_factor` data mining result table.

Table 9–6 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)	

Table 9–6 (Cont.) dwd_cust_lylty_svm_factor Data Mining Result Table

Name	Type	Description
ATTRIBUTE_SUBNAME	VARCHAR2(4000)	
ATTRIBUTE_VALUE	VARCHAR2(4000)	
COEFFICIENT	NUMBER	

Table 9–7 shows the `dwd_cust_ltv_dt_rules` data mining result table.

Table 9–7 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 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

Table 9–8 shows the `dwd_cust_ltv_svm_factor` data mining result table.

Table 9–8 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

Table 9–9 shows the dwd_ffp_pred_dt_rules data mining result table.

Table 9–9 dwd_cust_lylty_svm_factor 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 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

Table 9–10 shows the dwd_ffp_pred_svm_factor data mining result table.

Table 9–10 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

Table 9–11 shows the dwd_non_ffp_mnng data mining result table.

Table 9–11 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 9–11 (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

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

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.

Table 9–12 shows the Materialized View, dmv_cust_profile_src, columns identified as input source variables for the model.

Table 9–12 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
card_carr	
carr_cd	
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

Table 9–12 (Cont.) Customer Segmentation Source: dmv_cust_profile_src

Column Name	Description
airl_tier_desc	Airline tier description
airl_cust_value	Airline customer value
alan_membr_lvl	
all_airl_prorty_cd	
alan_tier_desc	
cert_nbr	
alanc_cd	
stk_cntrl_nbr	
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
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

Table 9–12 (Cont.) Customer Segmentation Source: dmv_cust_profile_src

Column Name	Description
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

Customer Segmentation Output

The mined rules are saved into following target table:

- dwr_cust_sgmnt

The scoring results are saved into following column(s) of target table, dwd_cust_mnng.

- dwd_cust_mnng. cust_sgmnt_cd

Customer Segmentation Algorithm

- K-Means clustering algorithm

Model 2: Customer Loyalty Analysis

The business problem is to build a profile of customers to explain 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 twofold:

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

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`

Customer Loyalty Source

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

- cust_rfmp_cd
- cust_lylty_score
- cust_lylty_cd

Customer Loyalty Output

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

- dwd_cust_lylty_dt_rules
- dwd_cust_lylty_svm_factor

The scoring results are saved into 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

Customer Loyalty Algorithms

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

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 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

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

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 following column(s):

- cust_ltv_bnd

Customer Life Time Value Output

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

- dwd_cust_ltv_dt_rules
- dwd_cust_ltv_svm_factor

The scoring results are saved into following column(s) of target table, dwd_cust_mnng

- ltv_band_cd
- ltv_value
- lt_srvvl_cd
- lt_srvvl_value

Customer Life Time Value Algorithm

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

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 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.

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

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.

Table 9–13 shows the Materialized View: `dmv_ffp_pred_src`, columns identified as input source variables for the model.

Table 9–13 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
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

Table 9–13 (Cont.) Frequent Flyer Passenger Prediction Source: dmv_ffp_pred_src

Column Name	Description
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"

Non-Frequent Flyer Passenger Output

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

- dwd_ffp_pred_dt_rules
- dwd_ffp_pred_svm_factor

The scoring results are saved into following column(s) of target table, dwd_non_ffp_mnng

- ffp_dt_pred
- ffp_dt_nd_nbr
- ffp_svm_pred
- ffp_svm_prob

Non-Frequent Flyer Passenger Algorithm

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

10

Oracle Airlines Data Model Utility Scripts

This chapter describes the Oracle Airlines Data Model utility scripts.

This chapter includes the following sections:

Calendar Population

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

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.

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

This chapter provides Oracle Airlines Data Model sample reports and includes the following sections:

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.

Agent Performance Analysis

The Agent Performance Analysis reports include the following areas:

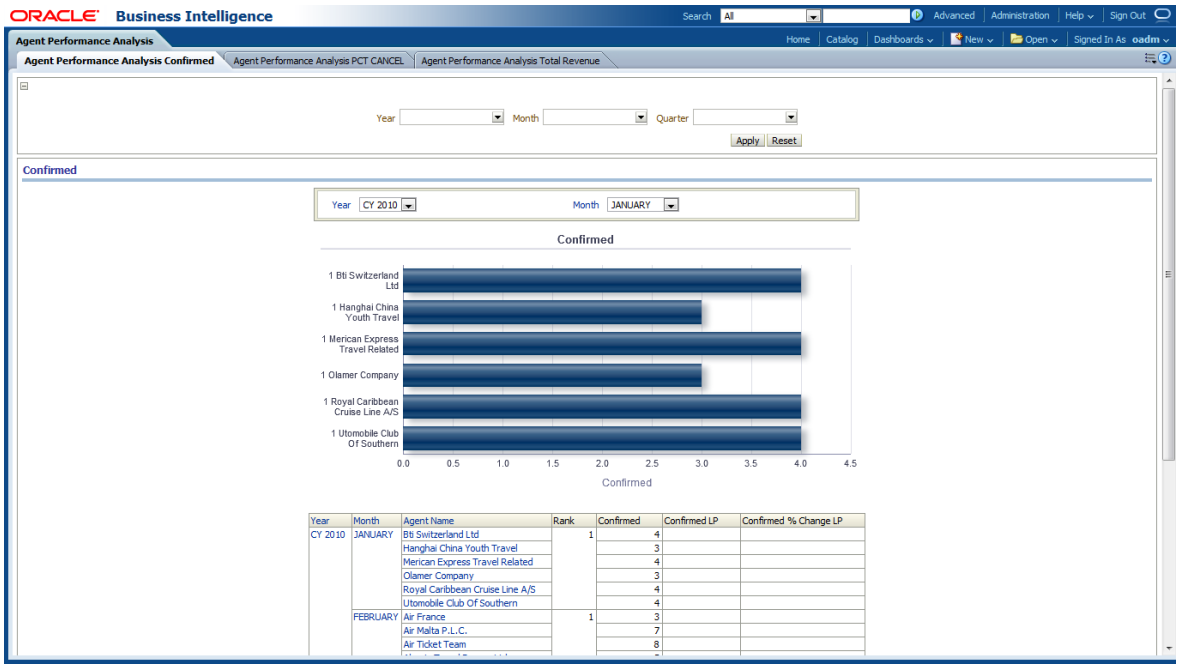
Agent Performance Analysis Confirmed

This report, as shown in Figure 11–1 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 Sample Report



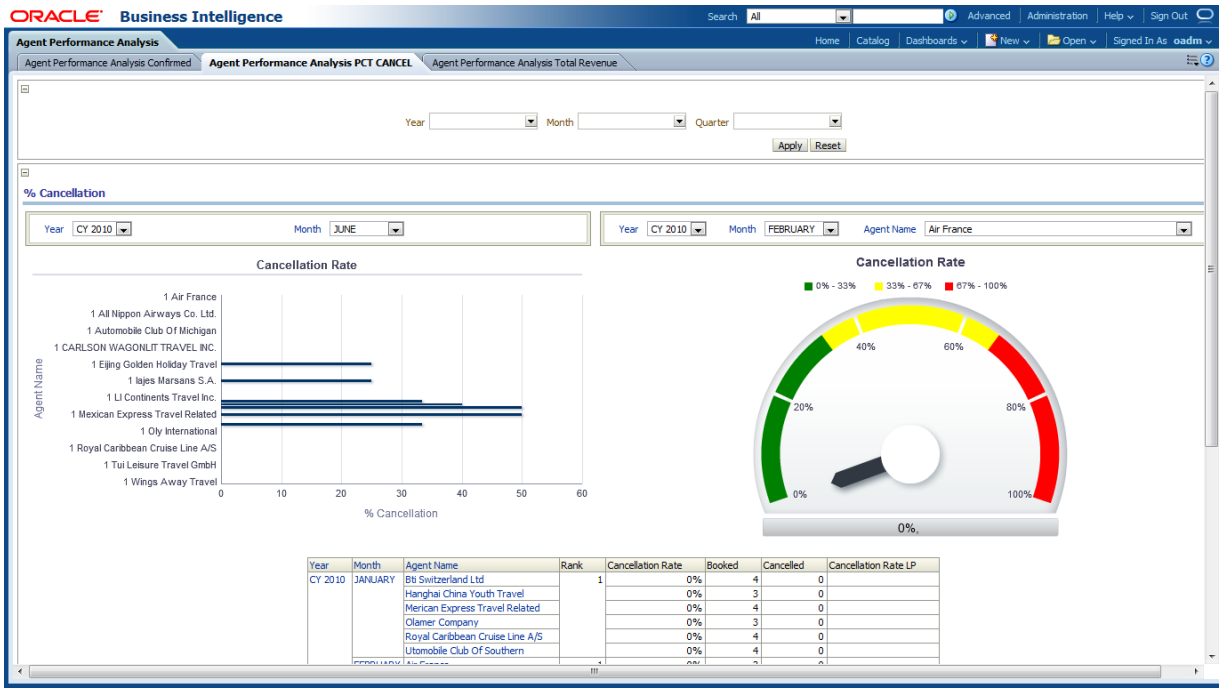
Agent Performance Analysis PCT CANCEL

This report, as shown in Figure 11–2 provides the cancellation rate out of total bookings at month level for agents, along with their ranks. The report includes metrics such as LP for the cancellation rate.

Report dimensions are:

- Time

Figure 11–2 Agent Performance Analysis PCT CANCEL Sample Report



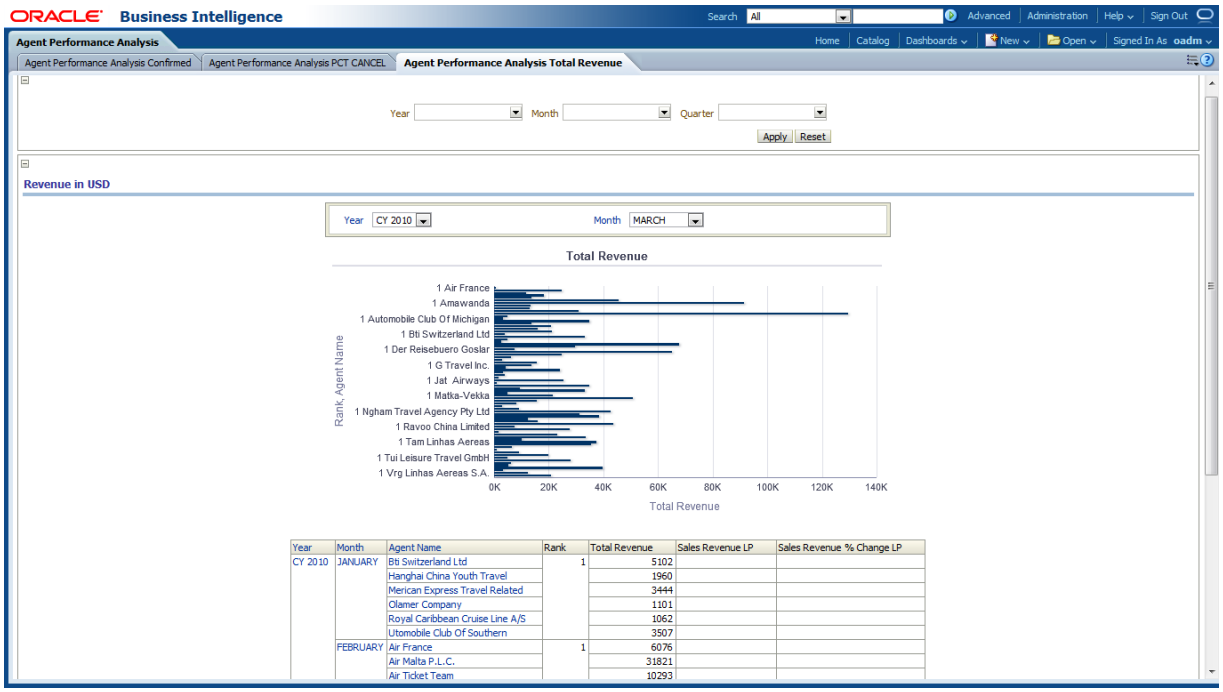
Agent Performance Analysis Total Revenue

This report, as shown in Figure 11–3, 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 Sample Report



Booking Analysis

The Booking Analysis reports include the following areas:

- Agent Booking Analysis
- Booking Segment Analysis
- Daily Booking Analysis
- Flight booking Analysis
- Group Booking Analysis
- Monthly Booking Analysis
- Quarterly Booking Analysis
- Service Class Analysis
- Weekly Booking Analysis

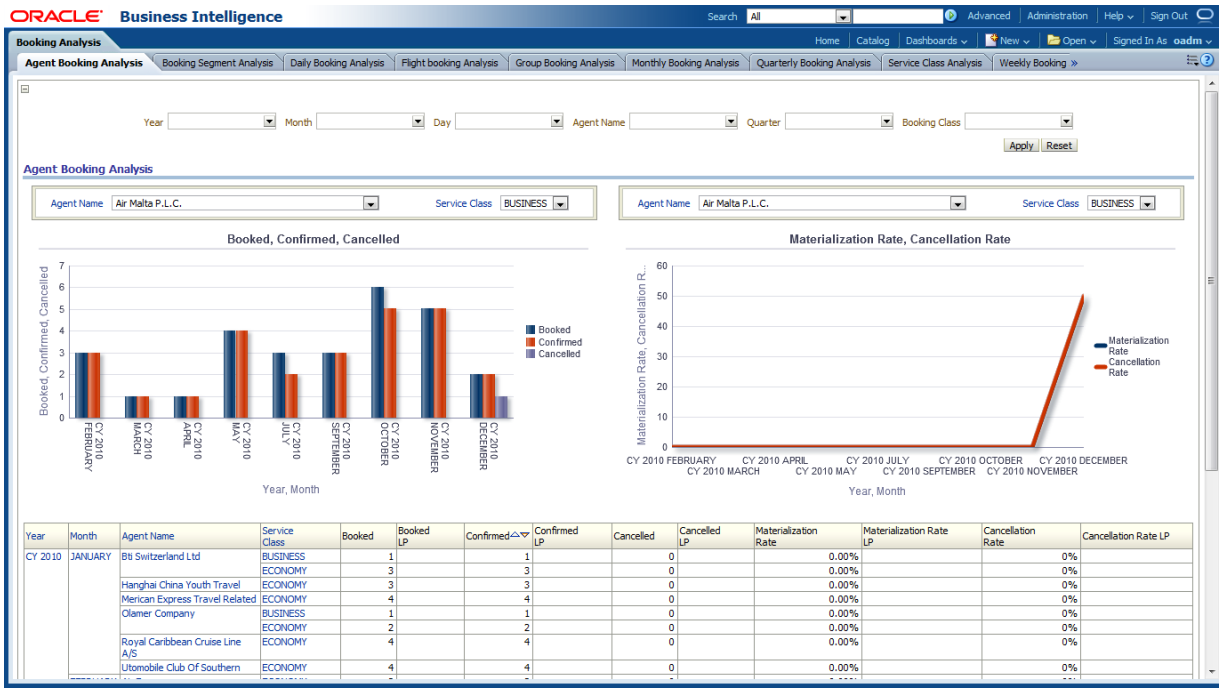
Agent Booking Analysis

This report, as shown in Figure 11–4 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 Sample Reports



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%	

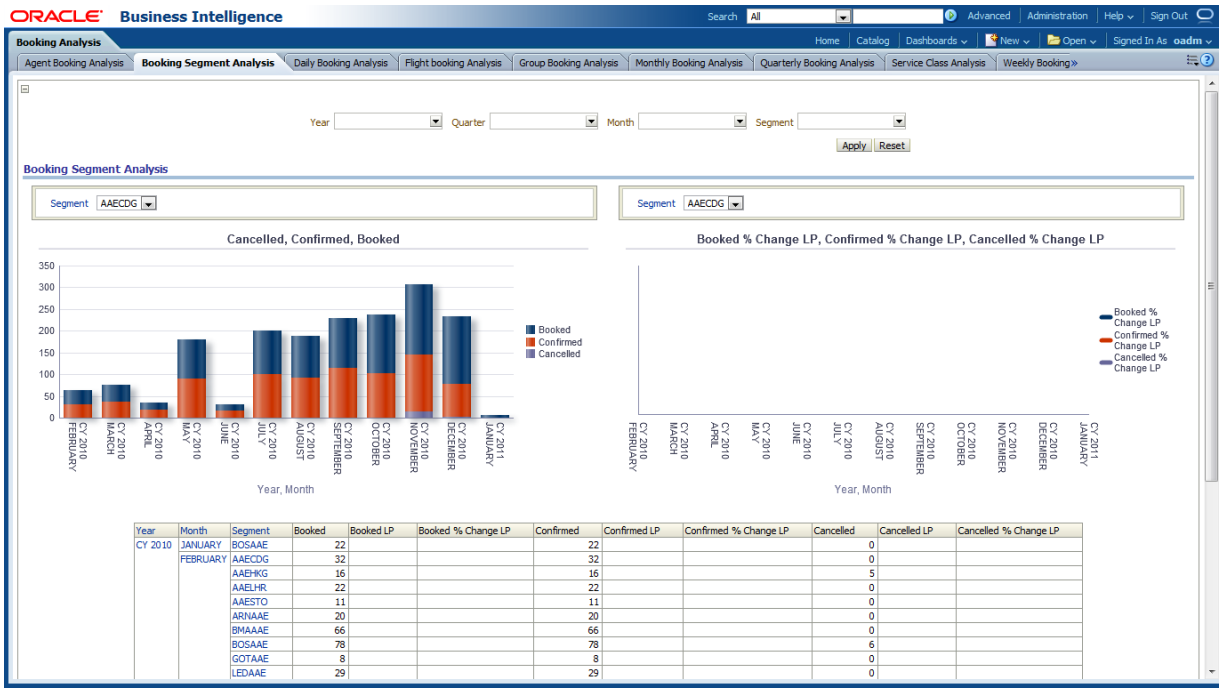
Booking Segment Analysis

This report, as shown in Figure 11–5 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 Sample Report



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		

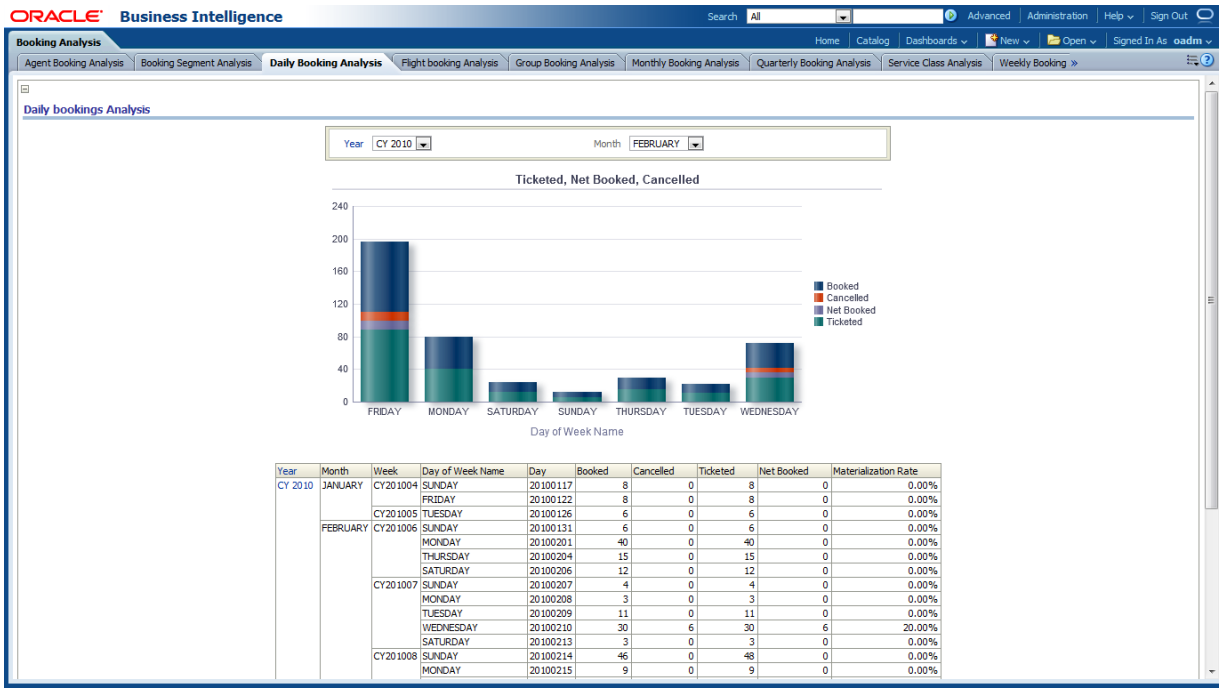
Daily Booking Analysis

This report, as shown in Figure 11–6 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 Sample Report



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%

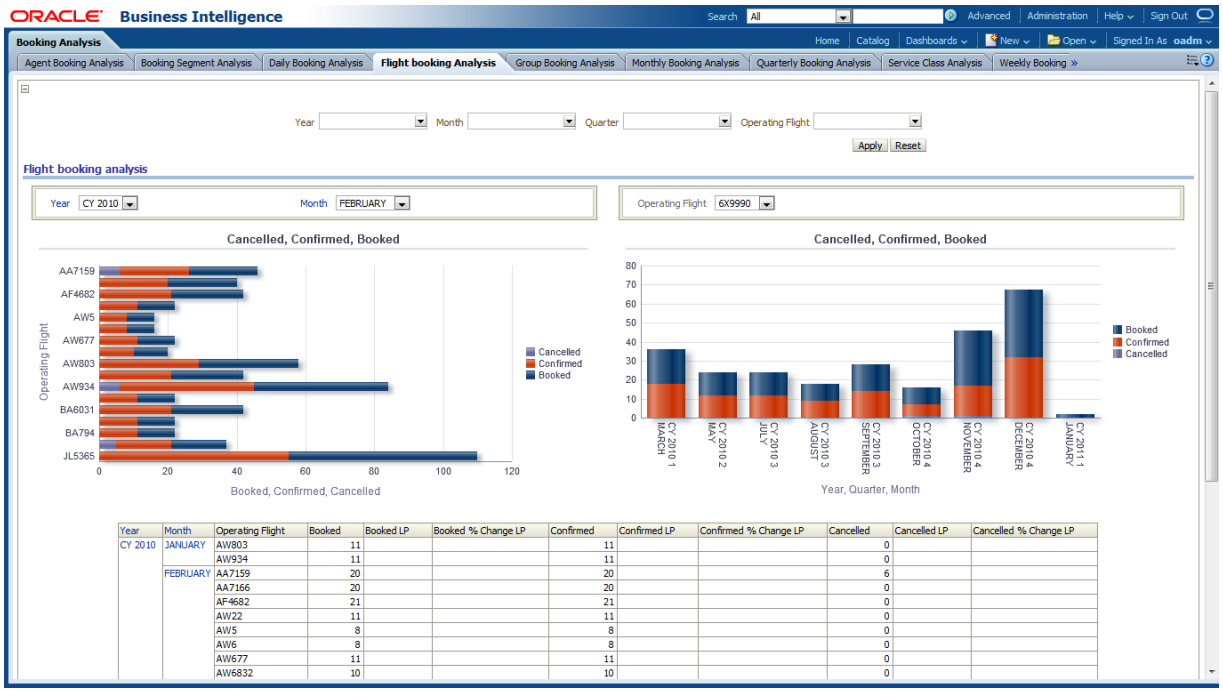
Flight booking Analysis

This report, as shown in Figure 11–7 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 Sample Report



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		

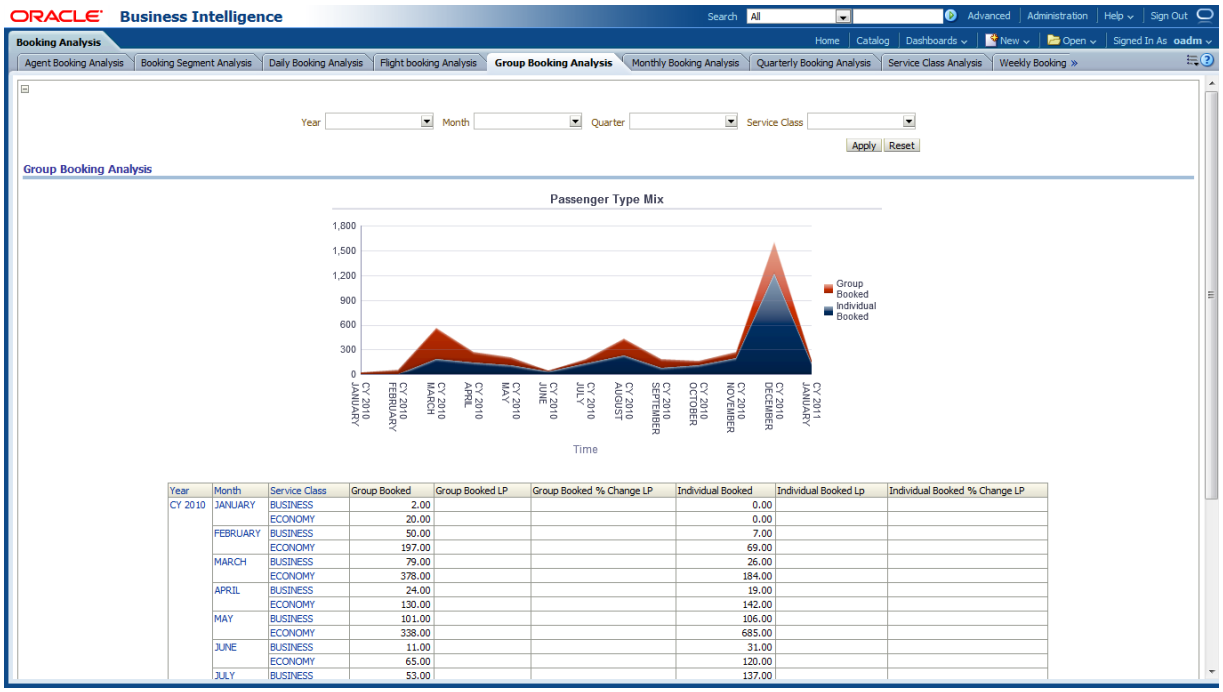
Group Booking Analysis

This report, as shown in Figure 11–8 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 Sample Report

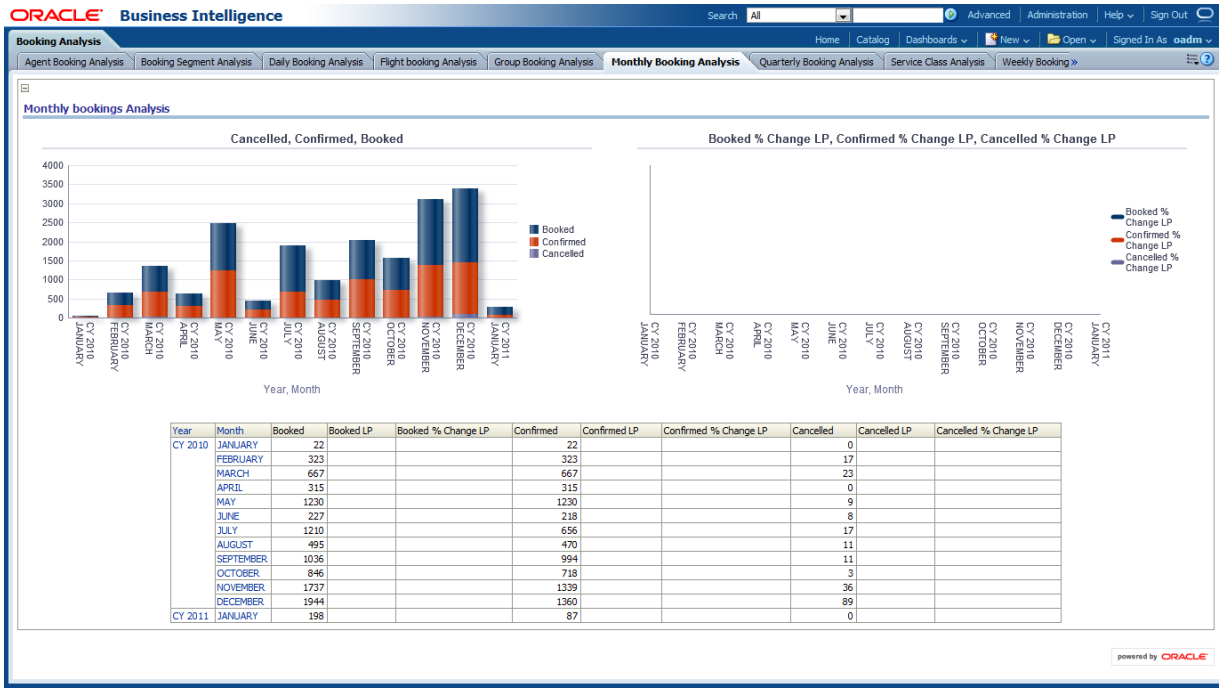


Year	Month	Service Class	Group Booked	Group Booked LP	Group Booked % Change LP	Individual Booked	Individual Booked Lp	Individual Booked % Change LP
CY 2010	JANUARY	BUSINESS	2.00			0.00		
		ECONOMY	20.00			0.00		
	FEBRUARY	BUSINESS	50.00			7.00		
		ECONOMY	197.00			69.00		
	MARCH	BUSINESS	79.00			26.00		
		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		

Monthly Booking Analysis

This report, as shown in Figure 11–9 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 Sample Report



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		

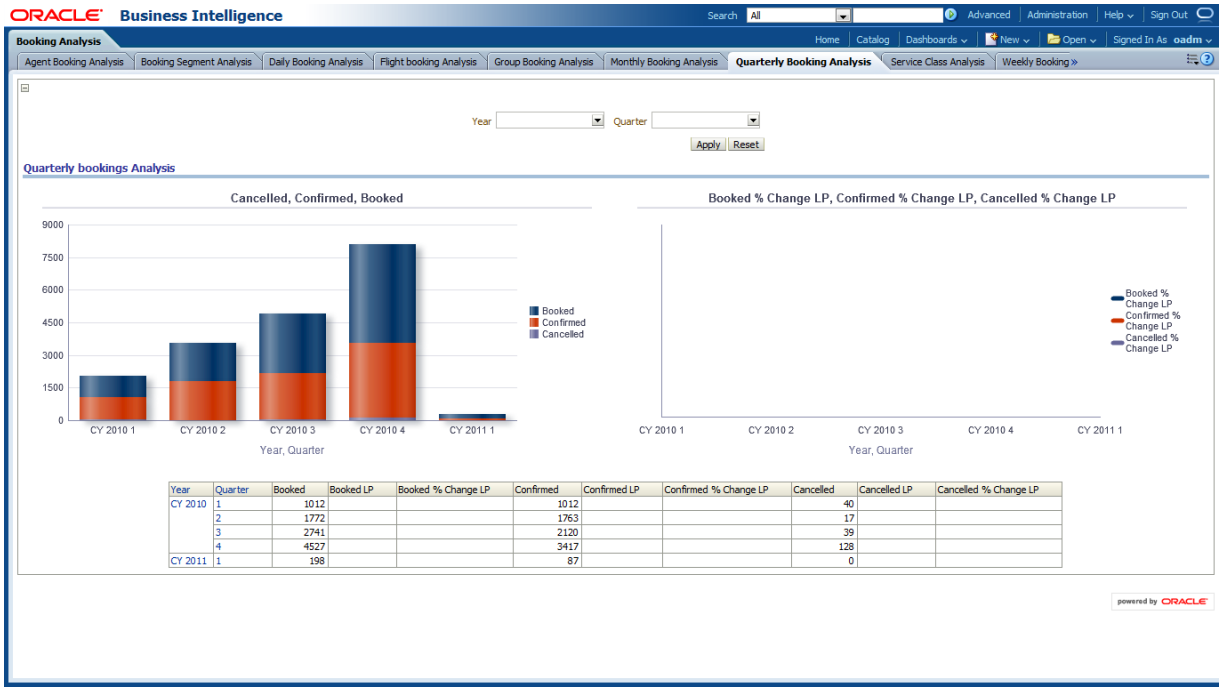
Quarterly Booking Analysis

This report, as shown in Figure 11–10 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 Sample Report



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		

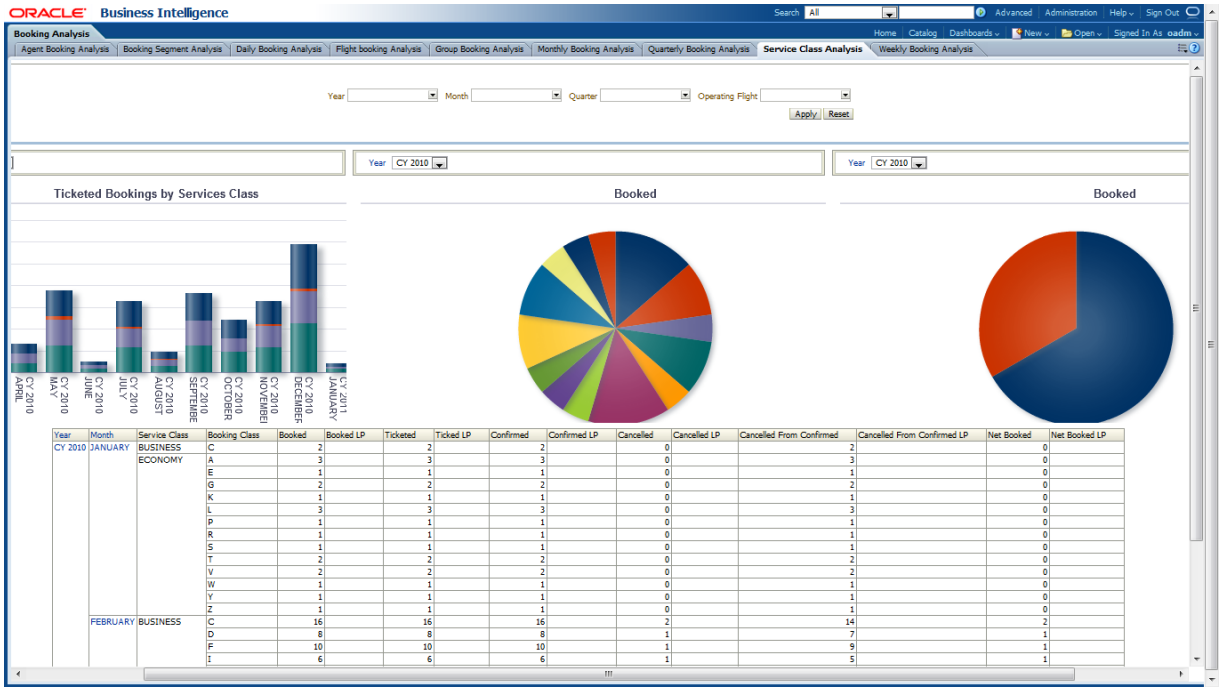
Service Class Analysis

This report, as shown in Figure 11–11 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 Sample Report



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	

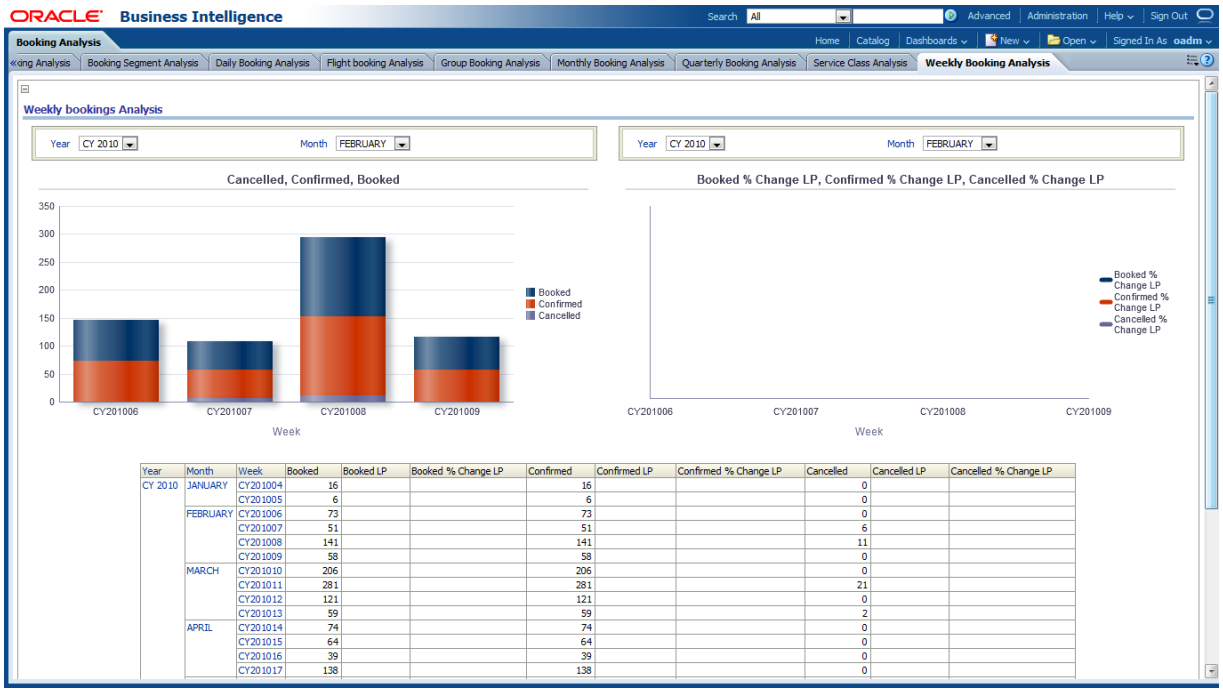
Weekly Booking Analysis

This report, as shown in Figure 11–12 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 Sample Report



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		

Channel Performance Analysis

The Channel Performance Analysis reports include the following areas:

- Agent Booking Analysis
- Sales Channel Performance Analysis

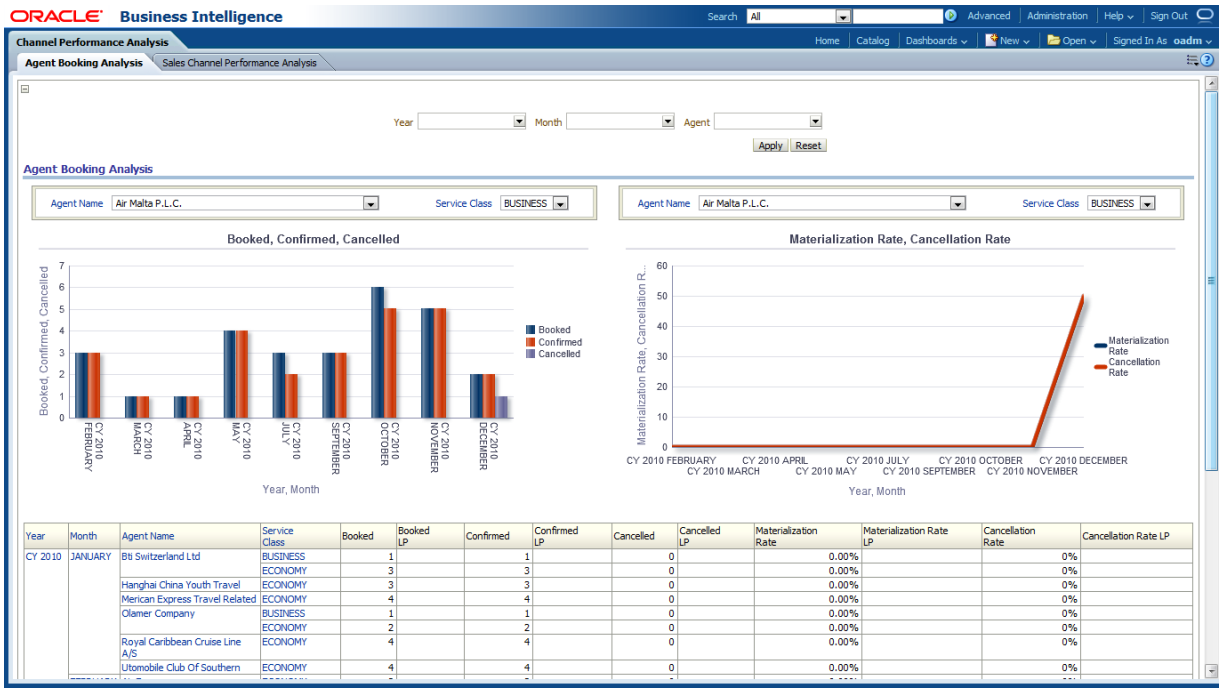
Agent Booking Analysis

This report, as shown in Figure 11–13 provides the booking analysis of agents. The report shows information on which service class is well booked at which agent, how many are confirmed and canceled, and what is the materialization rate.

Report dimensions are:

- Time
- Agent

Figure 11–13 Agent Booking Analysis Sample Report



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%	

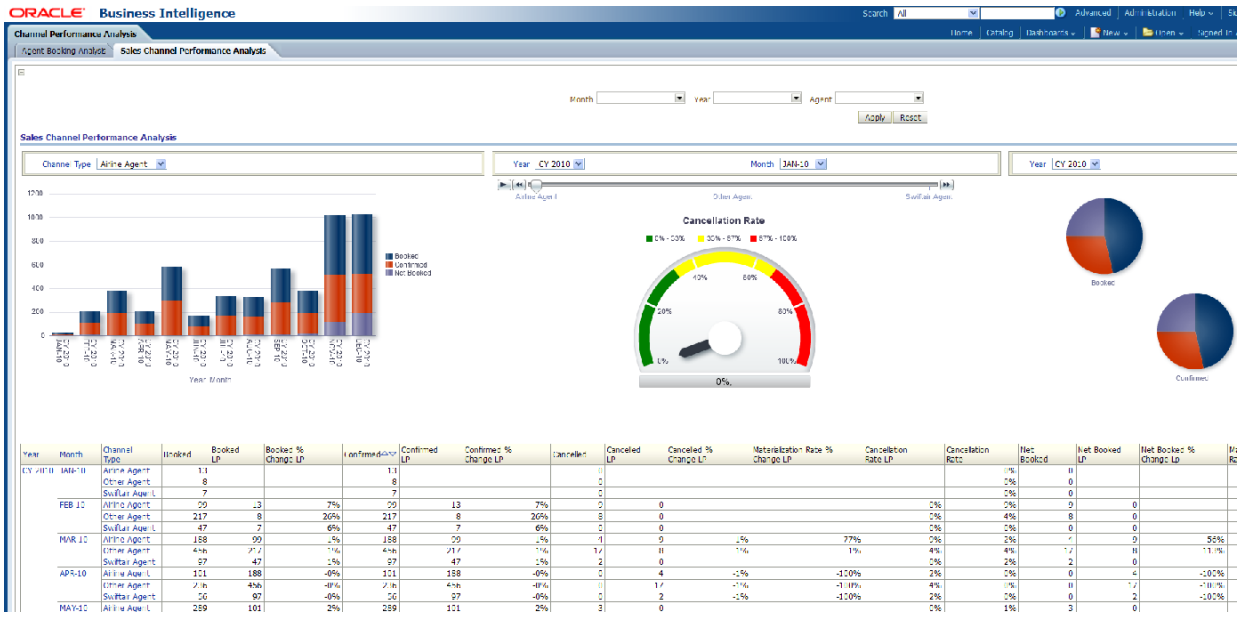
Sales Channel Performance Analysis

This report, as shown in Figure 11–14 provides the sales channel performance analysis.

Report dimensions are:

- Time
- Agent

Figure 11–14 Sales Channel Performance Analysis Sample Report



Revenue Analysis

The Revenue Analysis reports include the following areas:

- Agent Revenue Analysis in USD
- Booking Class Revenue Analysis in USD
- Channel Revenue Analysis in USD
- Flight Revenue Analysis in USD
- Flown Revenue Per Sales Region
- Flown Revenue per Sales Region and Service Class
- Sales - Net Revenue Flown Channel Flop 10
- Sales - Net Revenue Flown Channel Top 10
- Sales - Net Revenue Flown Flop 10 Countries
- Sales - Net Revenue Flown Top 10 Countries
- Sales - Net Revenue Per Agency - Top 10 Revenue
- Segment Revenue Analysis in USD
- Service Class Revenue Analysis in USD

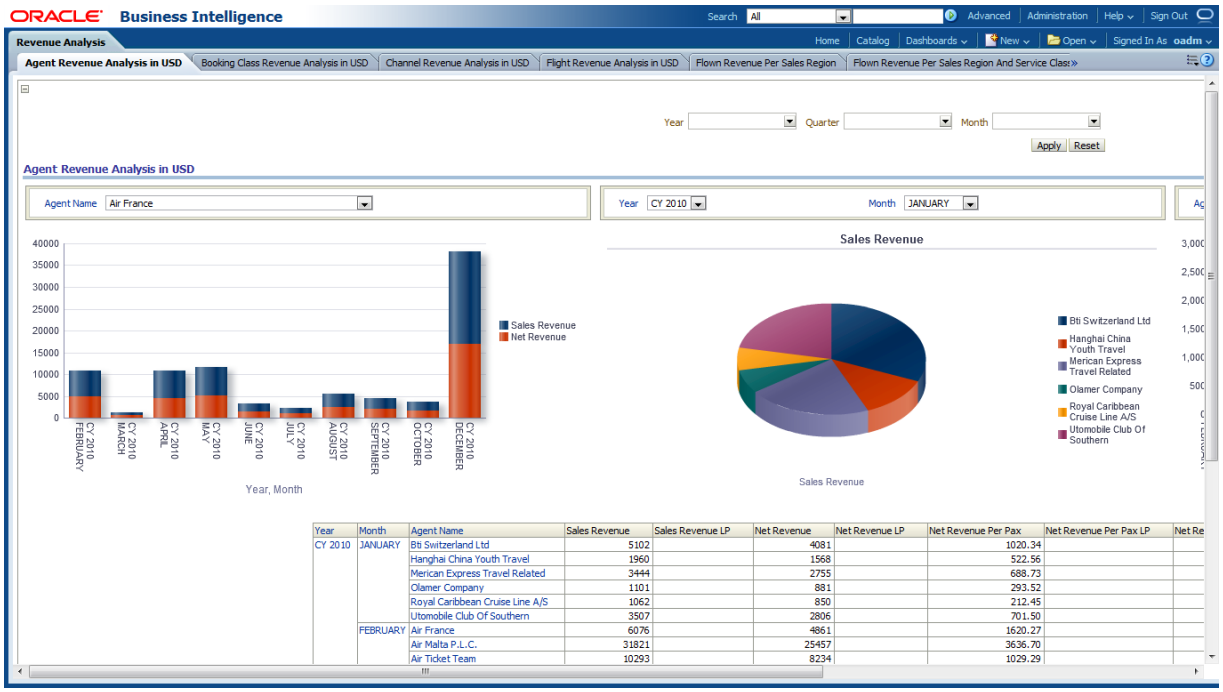
Agent Revenue Analysis in USD

This report, as shown in Figure 11–15 provides the revenue analysis in terms of USD among the agents at the month level. This report provides information that allows 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 Sample Report



Year	Month	Agent Name	Sales Revenue	Sales Revenue LP	Net Revenue	Net Revenue LP	Net Revenue Per Pax	Net Revenue Per Pax LP	Net Re
CY 2010	JANUARY	Bti Switzerland Ltd	5102		4081		1020.34		
		Hanghai China Youth Travel	1960		1568		522.56		
		Merican Express Travel Related	3444		2755		688.73		
		Olamer Company	1101		881		293.52		
		Royal Caribbean Cruise Line A/S	1062		850		212.45		
		Utomobile Club Of Southern	3507		2806		701.50		
	FEBRUARY	Air France	6076		4861		1620.27		
		Air Malta P.L.C.	31821		25457		3636.70		
		Air Ticket Team	10293		8234		1029.29		

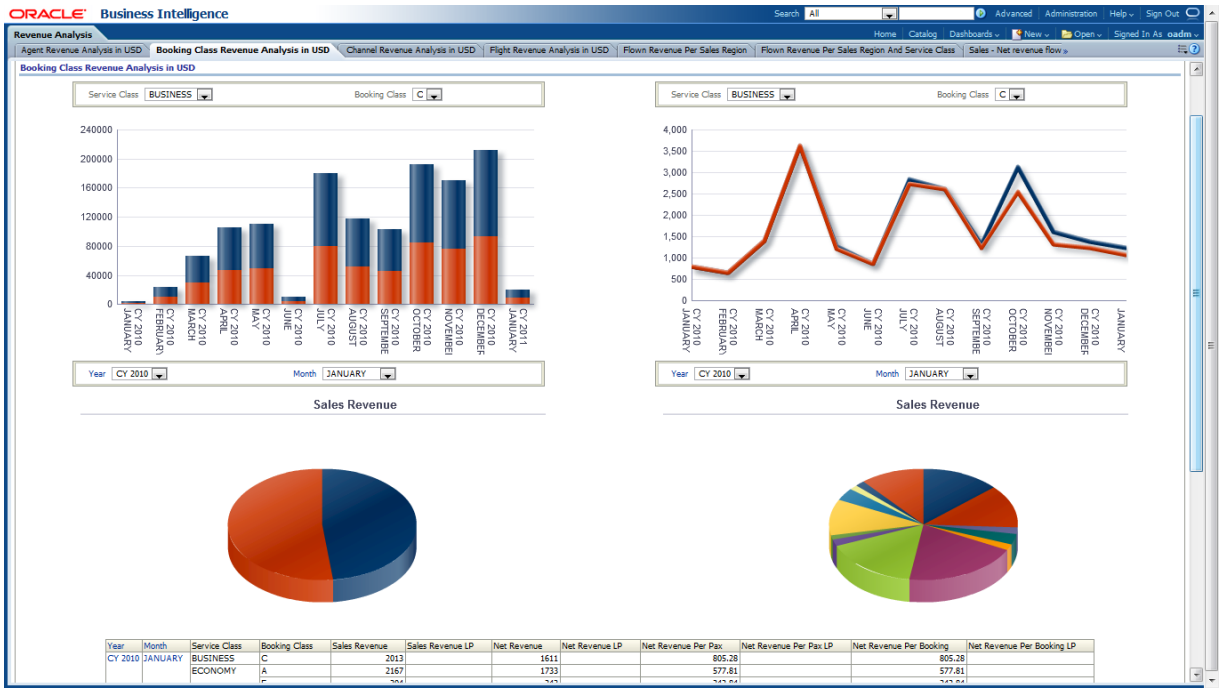
Booking Class Revenue Analysis in USD

This report, as shown in Figure 11–16 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 Sample Report



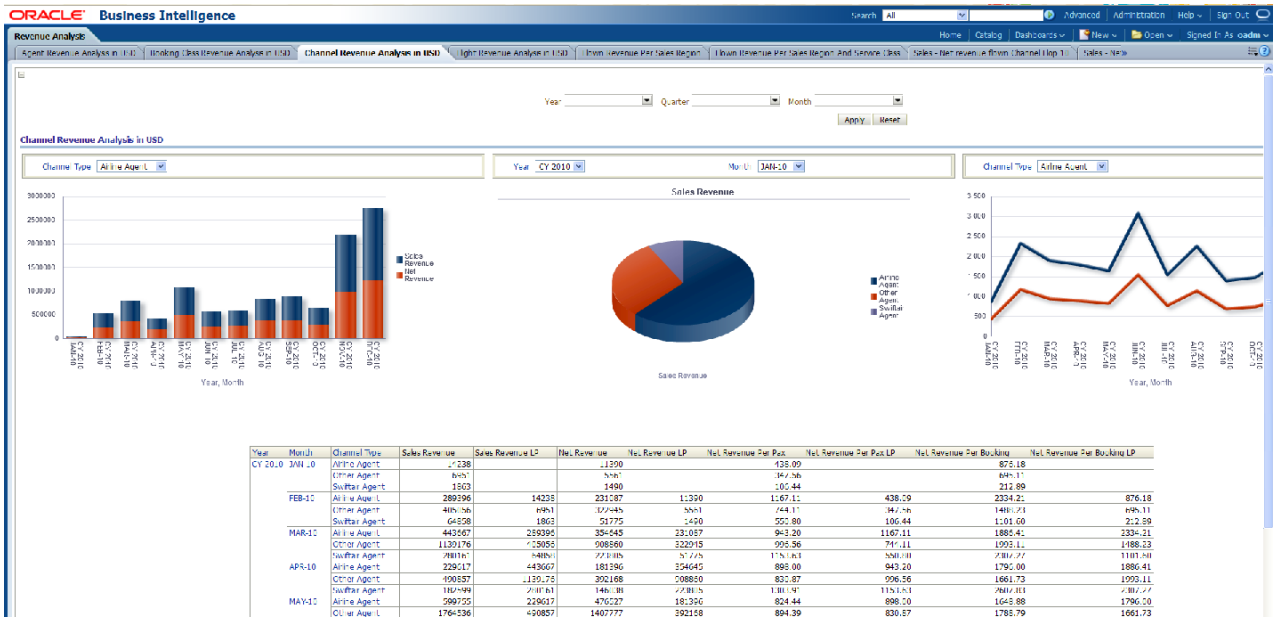
Channel Revenue Analysis in USD

This report, as shown in Figure 11–17 provides the channel revenue analysis in USD.

Report dimensions are:

- Time

Figure 11–17 Channel Revenue Analysis in USD Sample Report



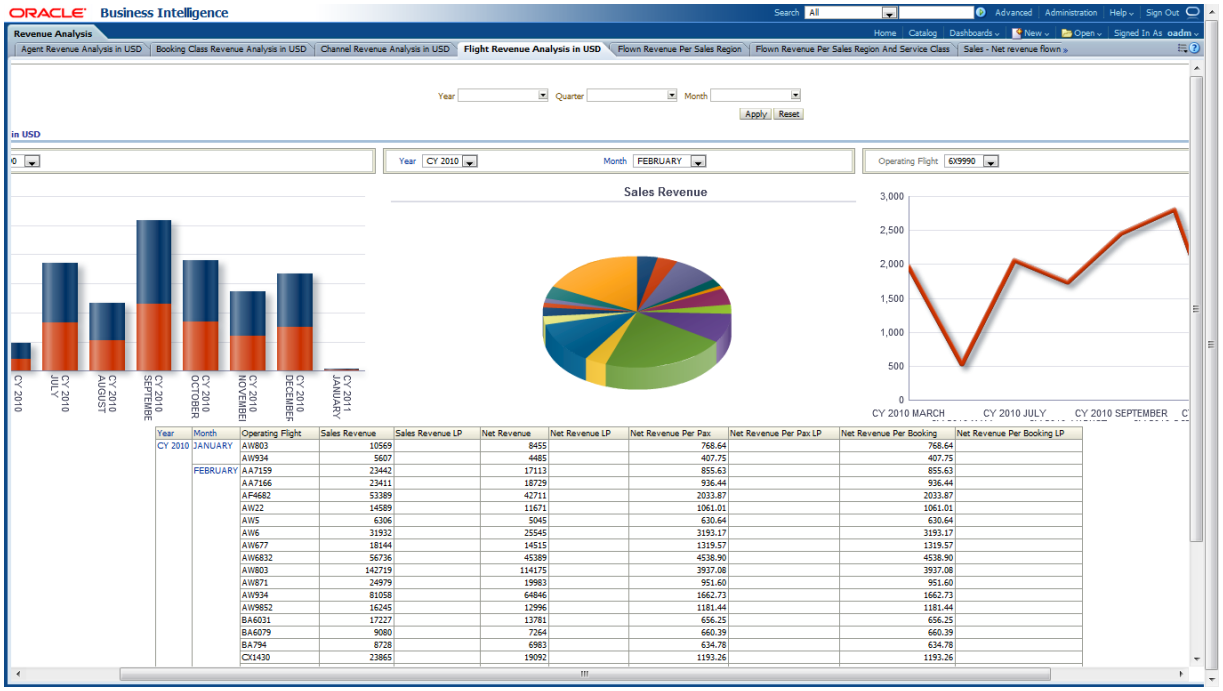
Flight Revenue Analysis in USD

This report, as shown in Figure 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 Sample Report



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	

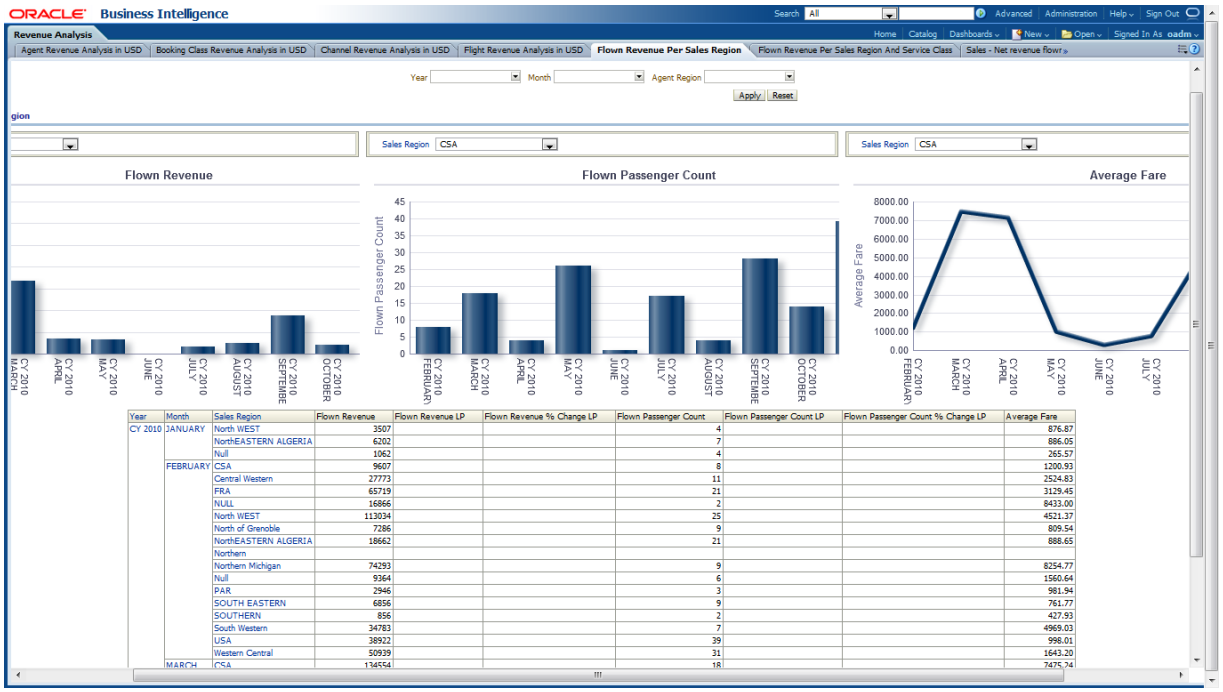
Flown Revenue Per Sales Region

This report, as shown in Figure 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 Sample Report



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	136554			18			7475.24

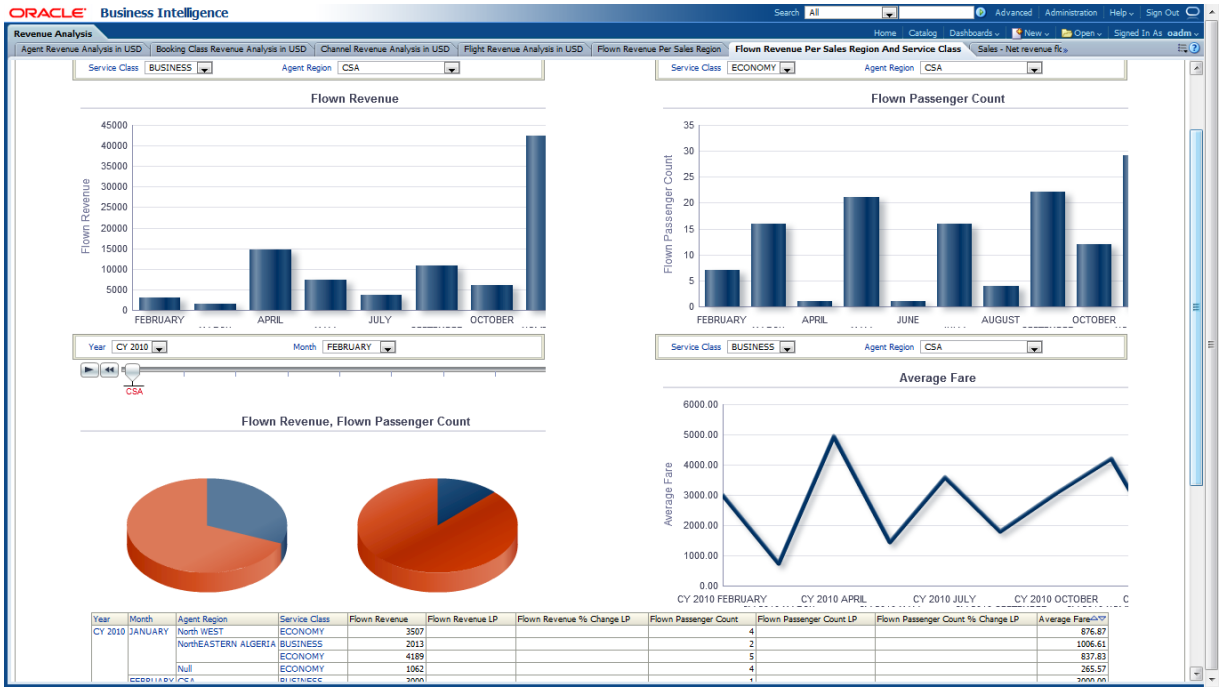
Flown Revenue per Sales Region and Service Class

This report, as shown in Figure 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 Sample Report



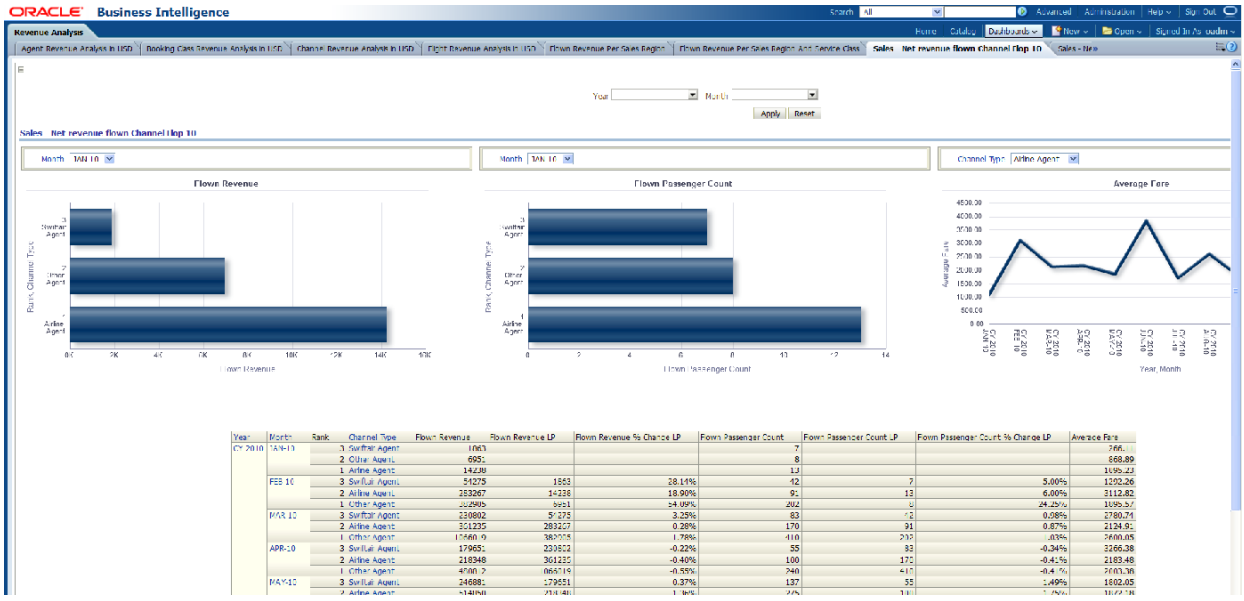
Sales - Net Revenue Flown Channel Flop 10

This report, as shown in Figure 11–21 provides the Sales, Net Revenue Flown Channel Flop 10 report.

Report dimensions are:

- Time

Figure 11–21 Sales - Net Revenue Flown Channel Flop 10



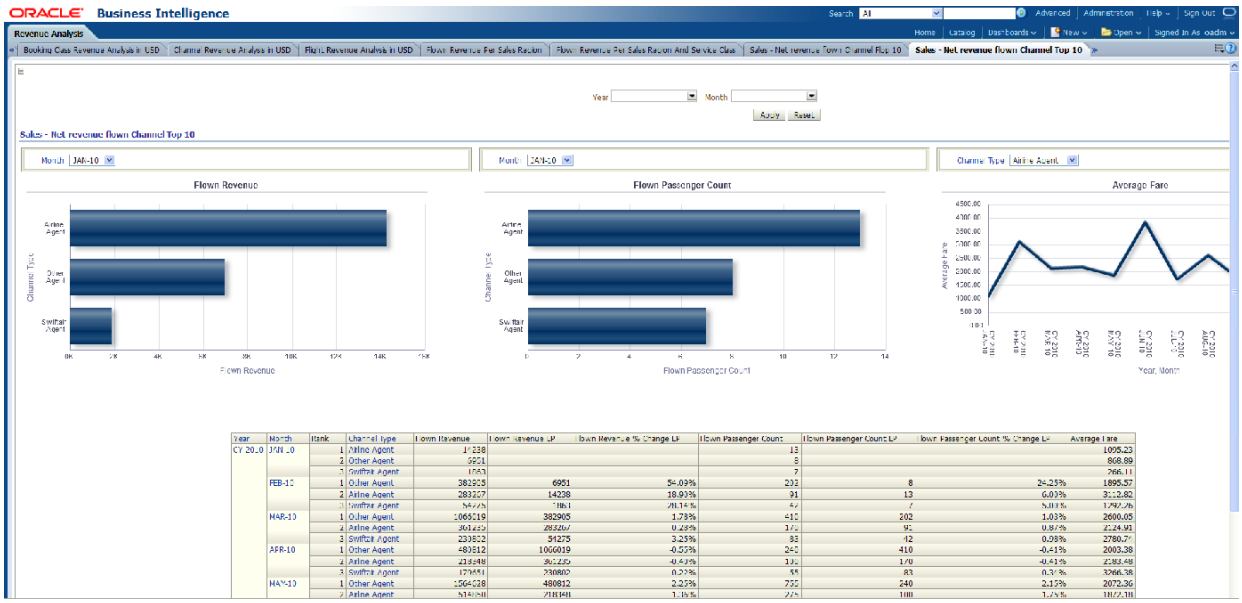
Sales - Net Revenue Flown Channel Top 10

This report, as shown in Figure 11–22 provides the sales net revenue flown channel by channel type.

Report dimensions are:

- Time

Figure 11–22 Net Revenue Flown Channel Top 10 Sample Report



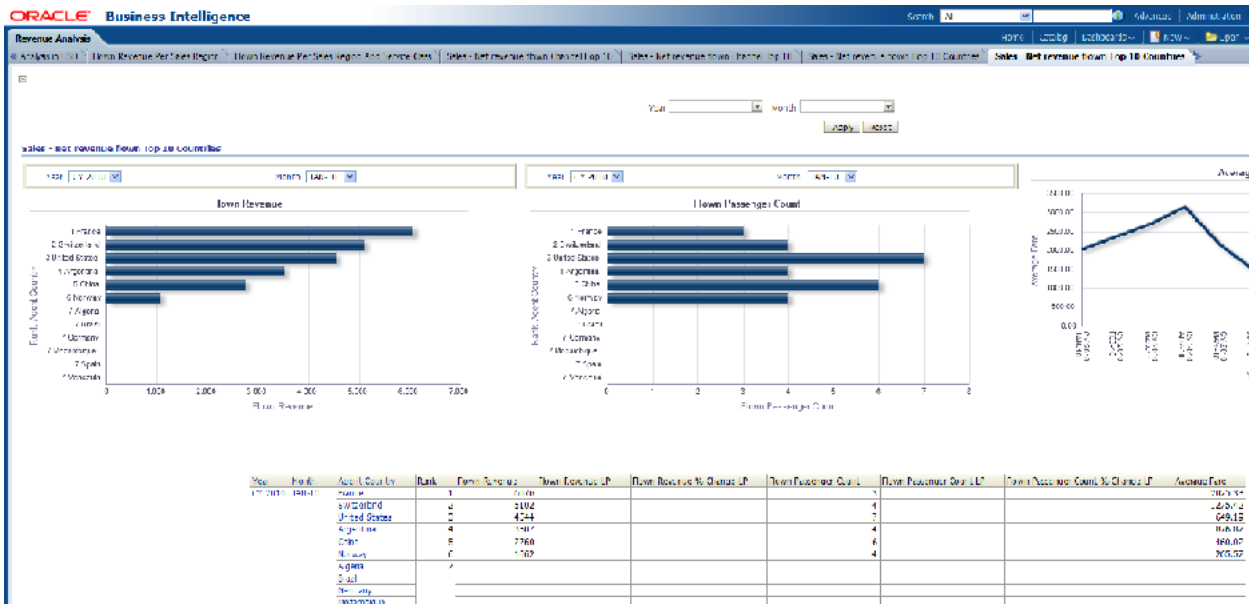
Sales - Net Revenue Flown Flop 10 Countries

This report, as shown in Figure 11–23 provides information on flown passenger counts by country.

Report dimensions are:

- Time

Figure 11–23 Net revenue flown Flop 10 Countries Sample Report



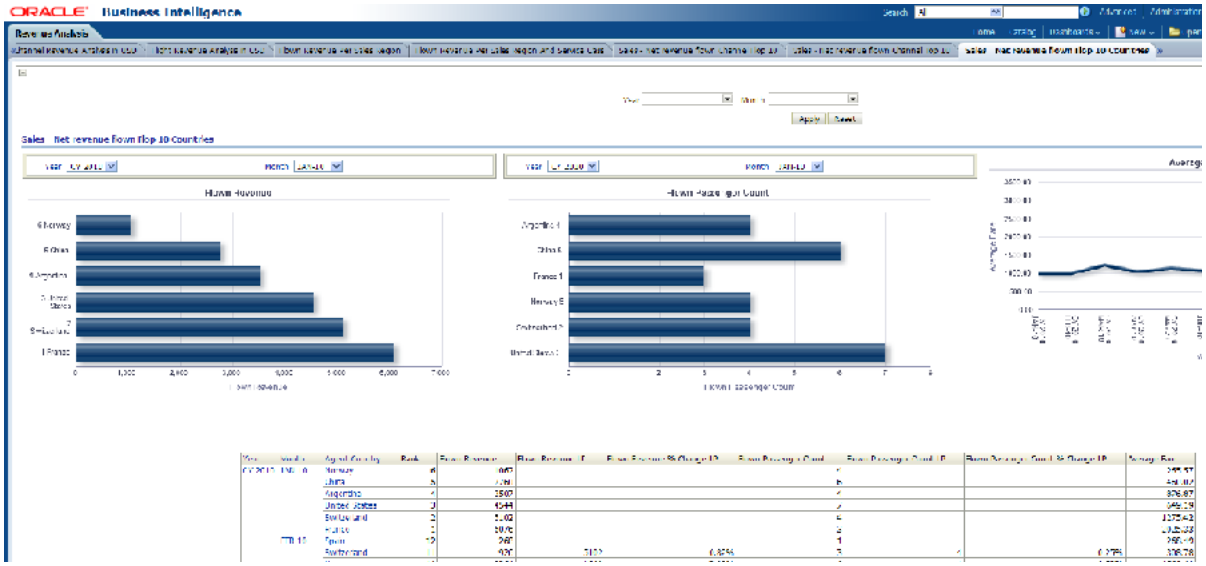
Sales - Net Revenue Flown Top 10 Countries

This report, as shown in Figure 11–24 provides the net revenue flown for the top ten countries.

Report dimensions are:

- Time

Figure 11–24 Sales - Net revenue flown Top 10 Countries Sample Report



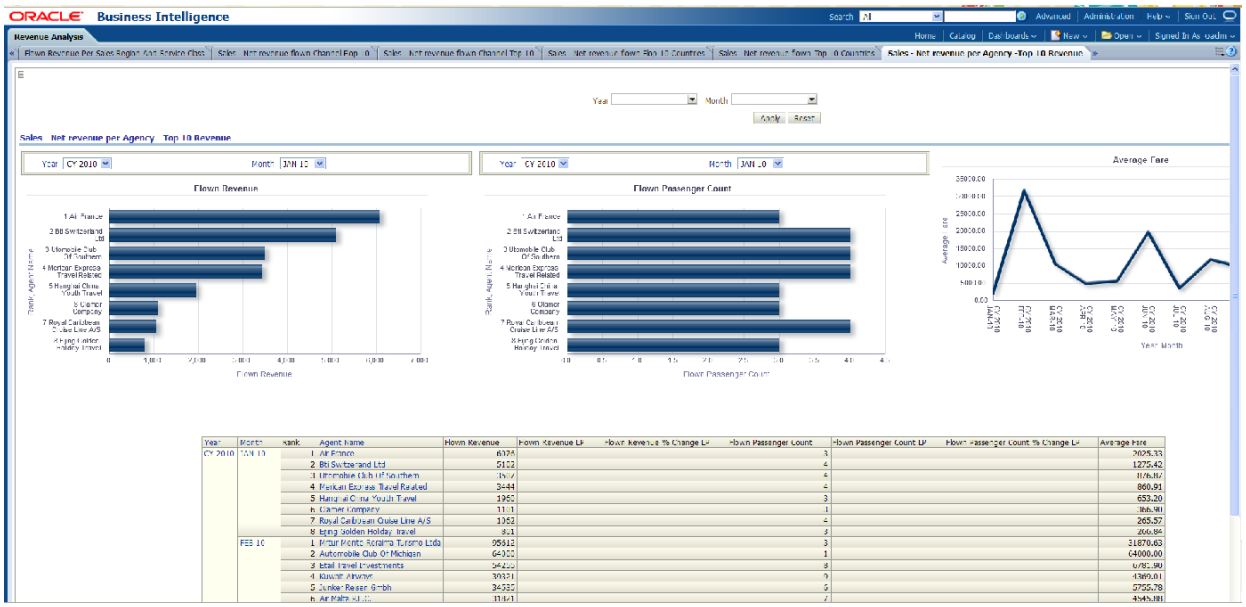
Sales - Net Revenue Per Agency - Top 10 Revenue

This report, as shown in Figure 11–25 provides the sales net revenue per top ten agency.

Report dimensions are:

- Time

Figure 11–25 Sales - Net Revenue Per Agency - Top 10 Revenue Sample Report



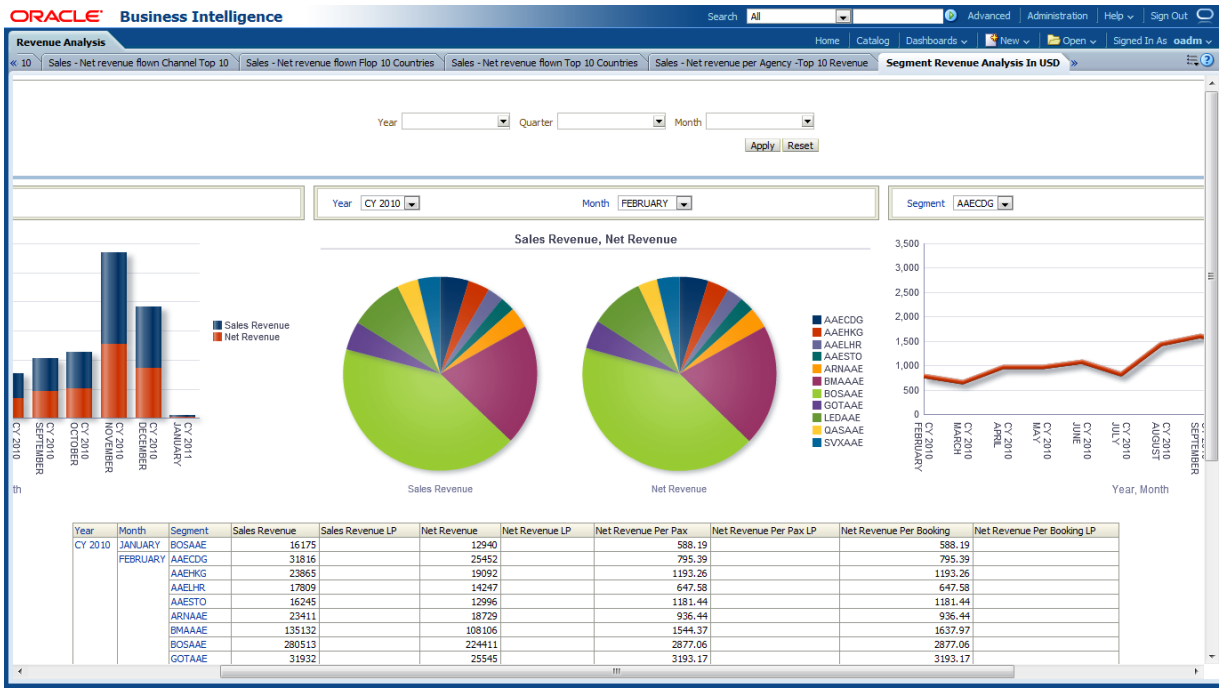
Segment Revenue Analysis in USD

This report, as shown in Figure 11–26 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 reports can help you determine which segment is well used based on revenue.

Report dimensions are:

- Time

Figure 11–26 Segment Revenue Analysis in USD Sample Report



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	

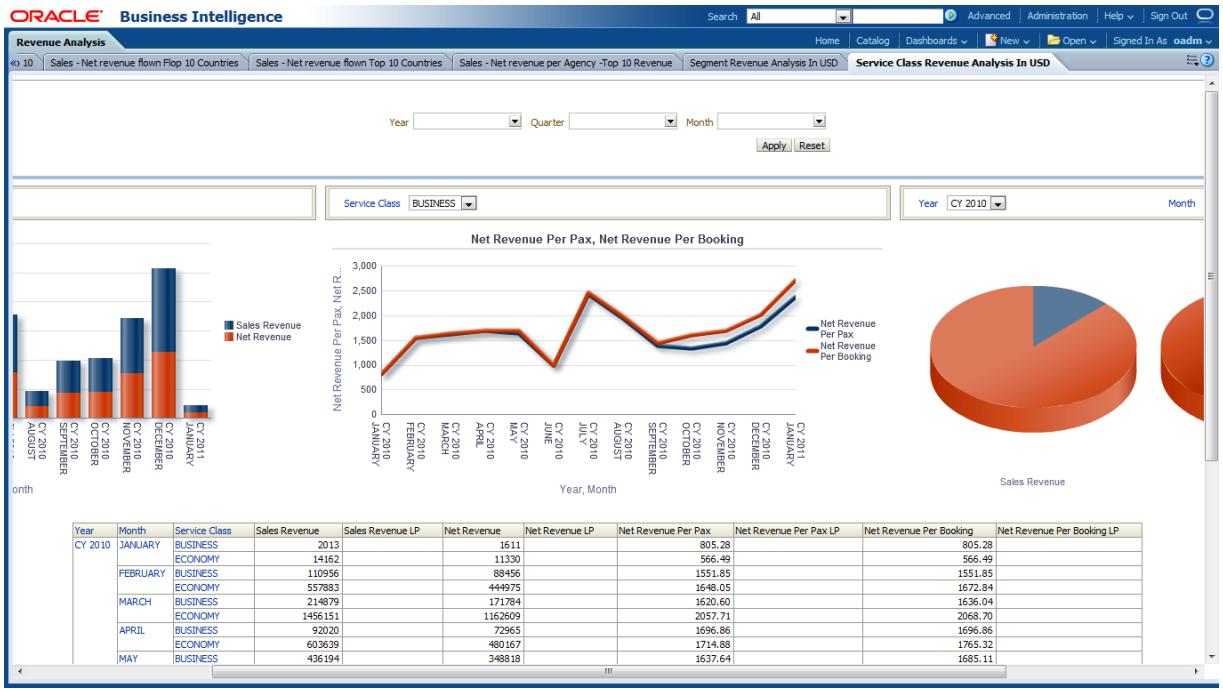
Service Class Revenue Analysis in USD

This report, as shown in Figure 11–27 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 Sample Report



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	

Route Analysis Reports

The Route Analysis Reports are includes one report:

- Route Ranking on Bookings

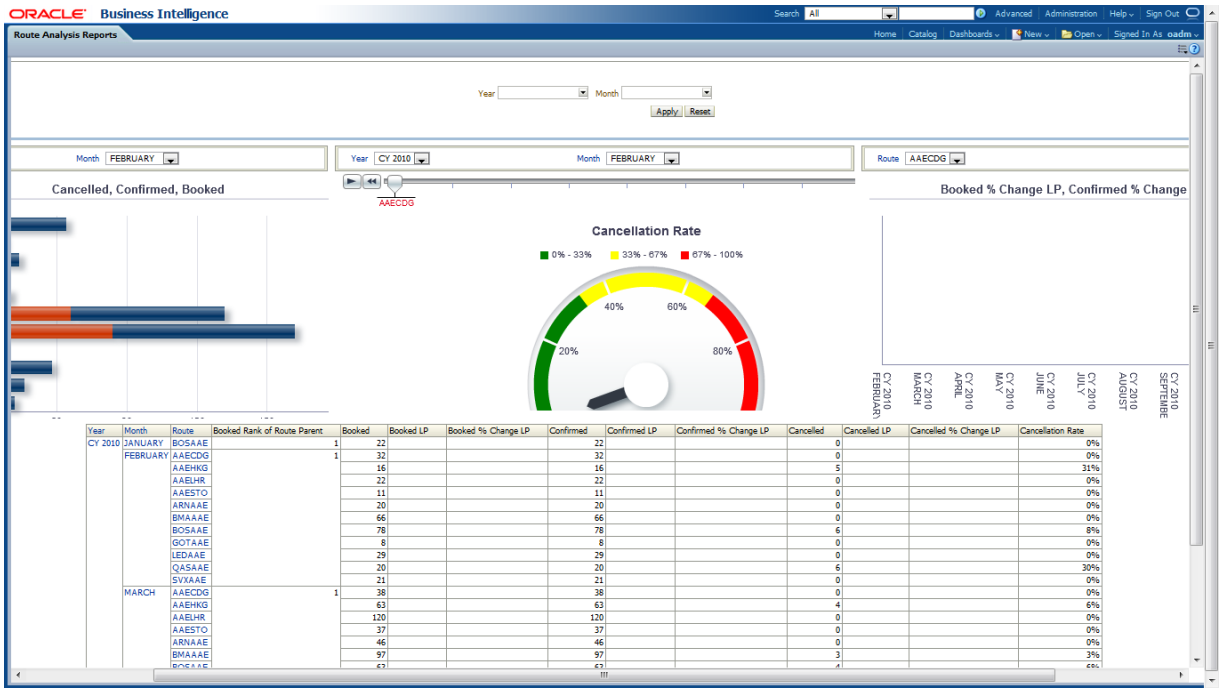
Route Ranking on Bookings

This report, as shown in Figure 11–28 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 Sample Report



Call Center Performance Analysis

The Call Center Performance Analysis reports include the following areas:

- Call Center Performance
- Call Center Sales Performance

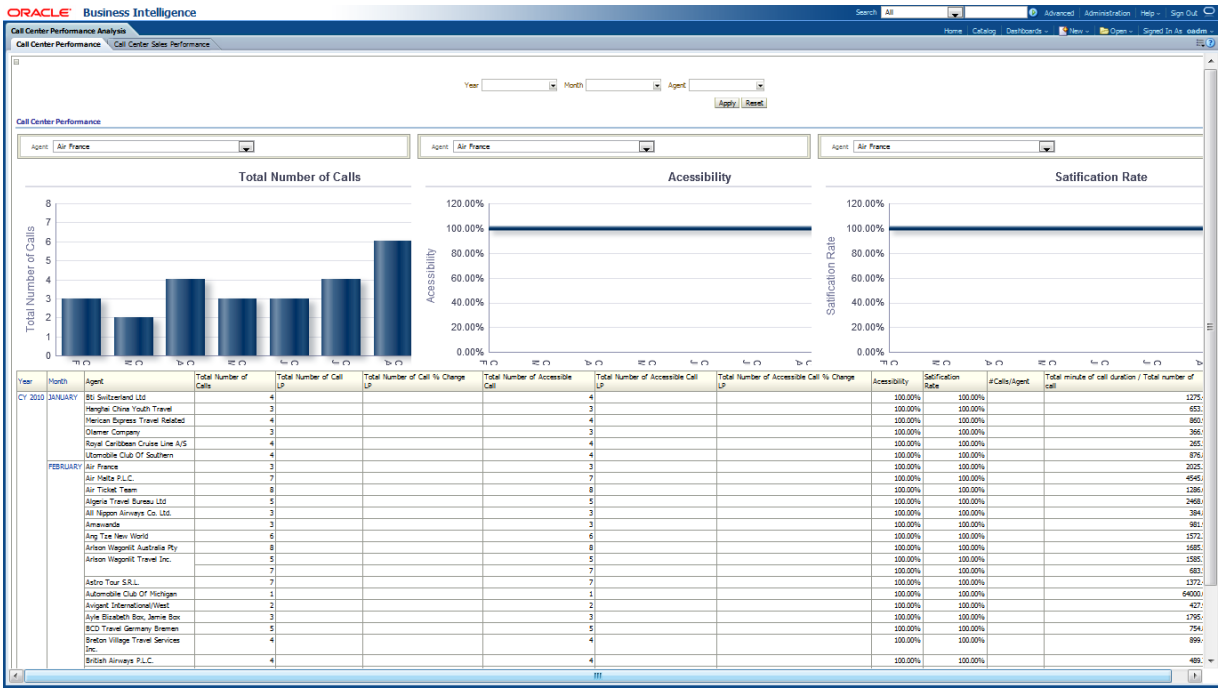
Call Center Performance

This report, as shown in Figure 11–29 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 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 11–29 Call Center Performance Sample Report



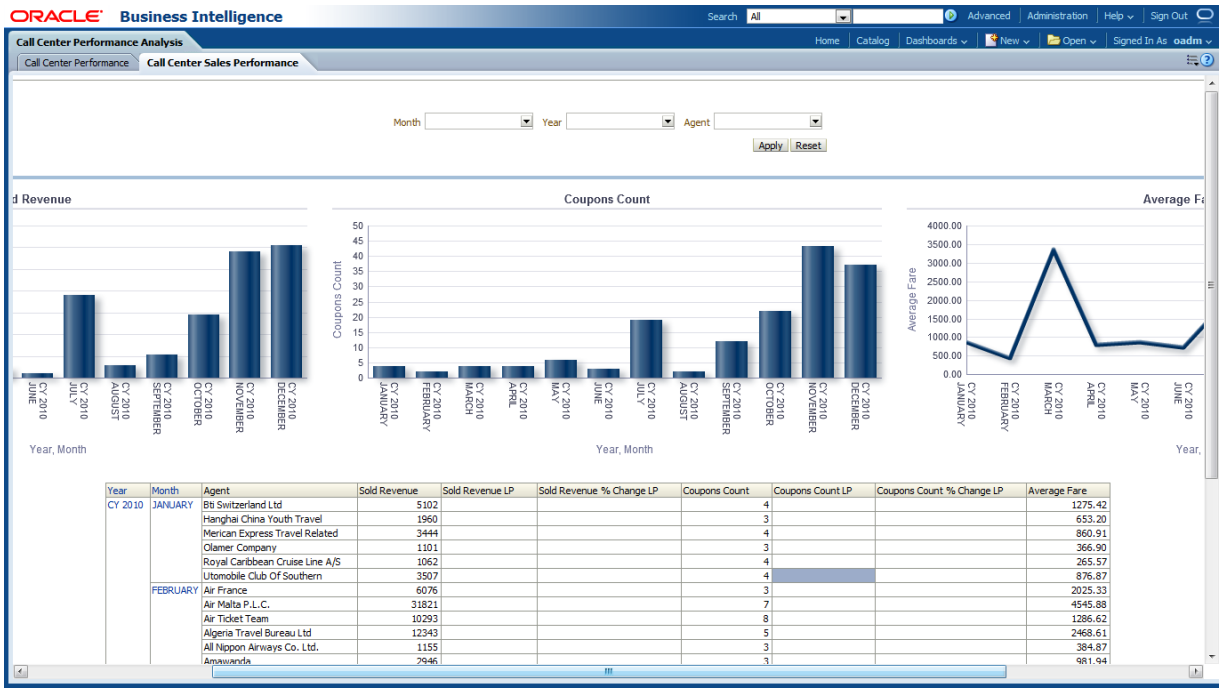
Call Center Sales Performance

This report, as shown in Figure 11–30 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 11–30 Call Center Sales Performance Sample Report



Customer Loyalty Analysis

The Customer Loyalty Analysis reports include the following areas:

- Airline Contribution
- Earn / Redemption
- Membership Development
- Frequent Flyer Customer Mining
- Non-Frequent Flyer Customer Mining

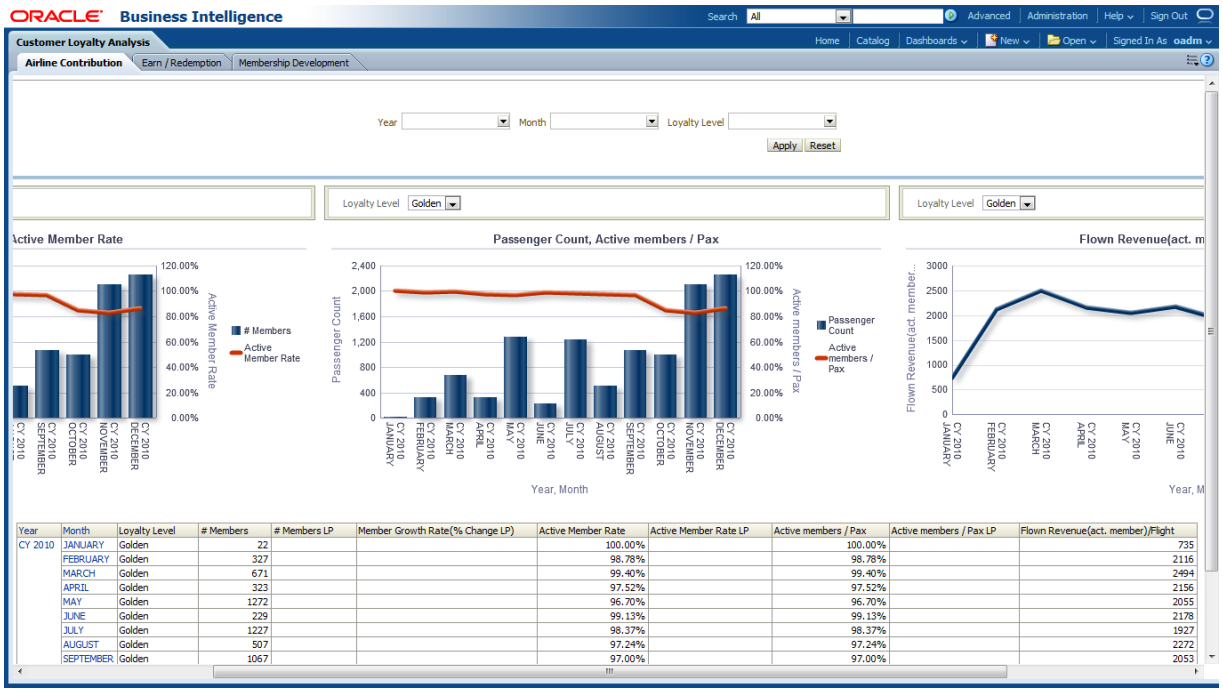
Airline Contribution

This report, as shown in Figure 11–31 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 11–31 Airline Contribution Sample Report



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

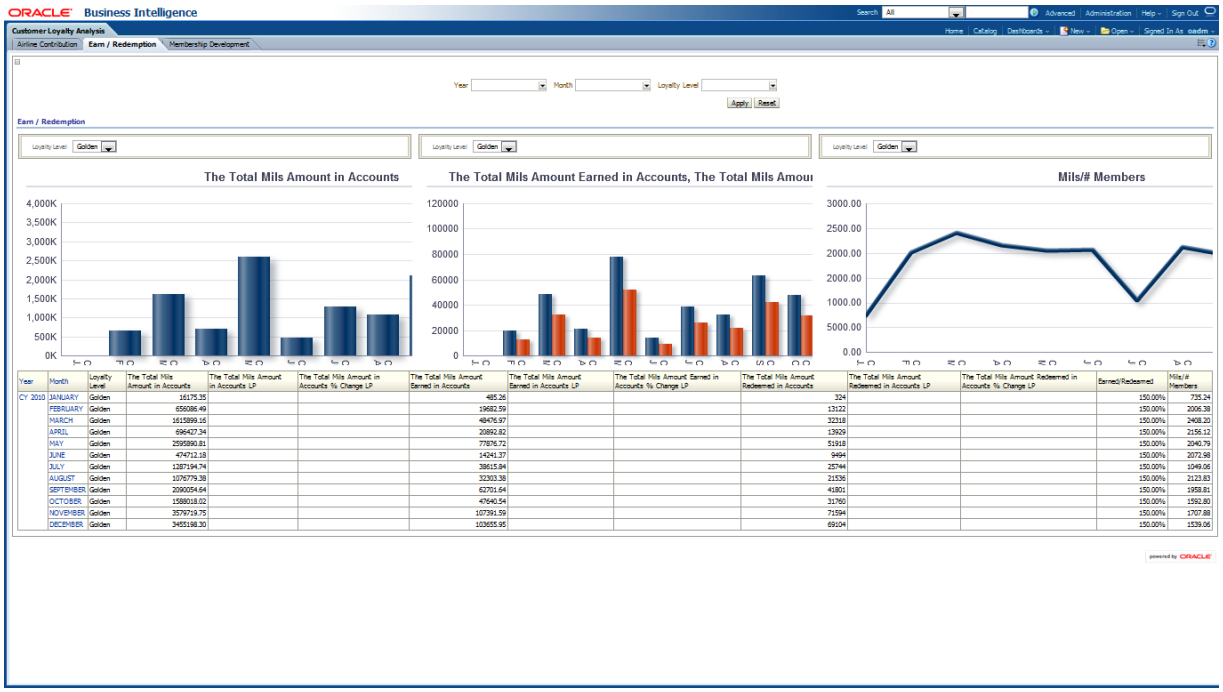
Earn / Redemption

This report, as shown in Figure 11–32 provides the current year month level earnings and redemptions. The report includes the total mils amount in accounts, total mils amount earned, and redeemed in the accounts. This report also provides the metrics LP, % Change LP for the total mils amount in accounts, total mils amount earned in accounts and total mils amount redeemed in account.

Report dimensions are:

- Time
- Loyalty Level

Figure 11–32 Earn / Redemption Sample Report



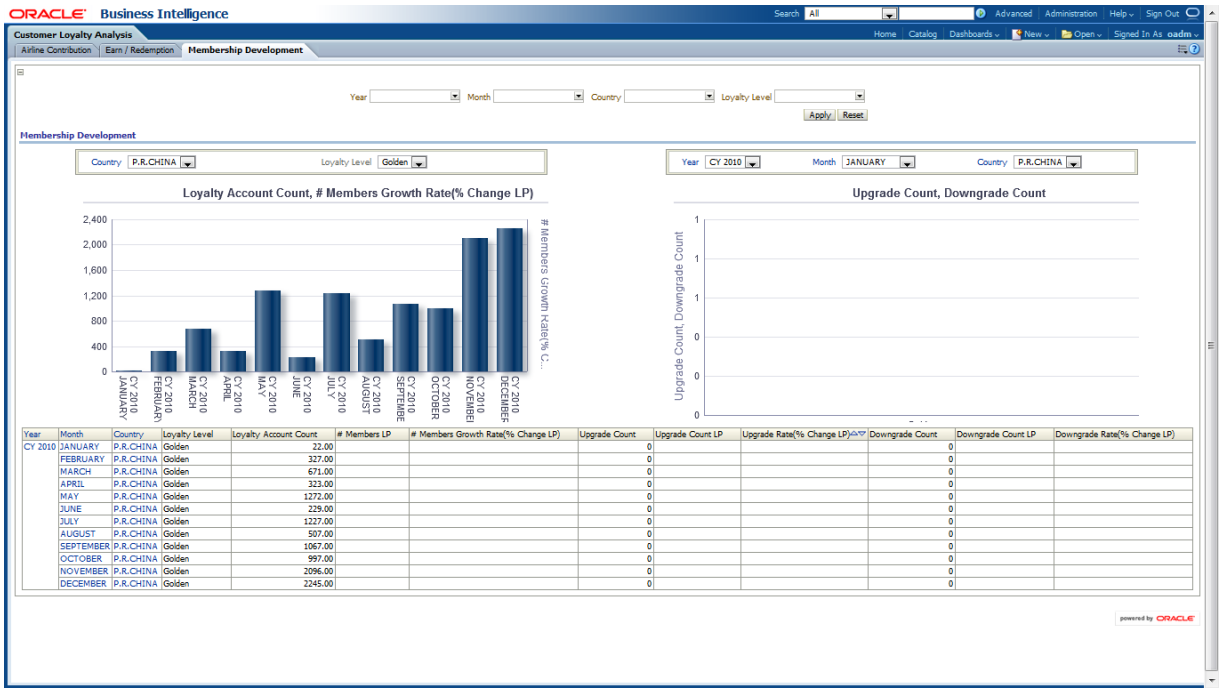
Membership Development

This report, as shown in Figure 11–33 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 11–33 Membership Development Sample Report



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		

Frequent Flyer Customer Mining

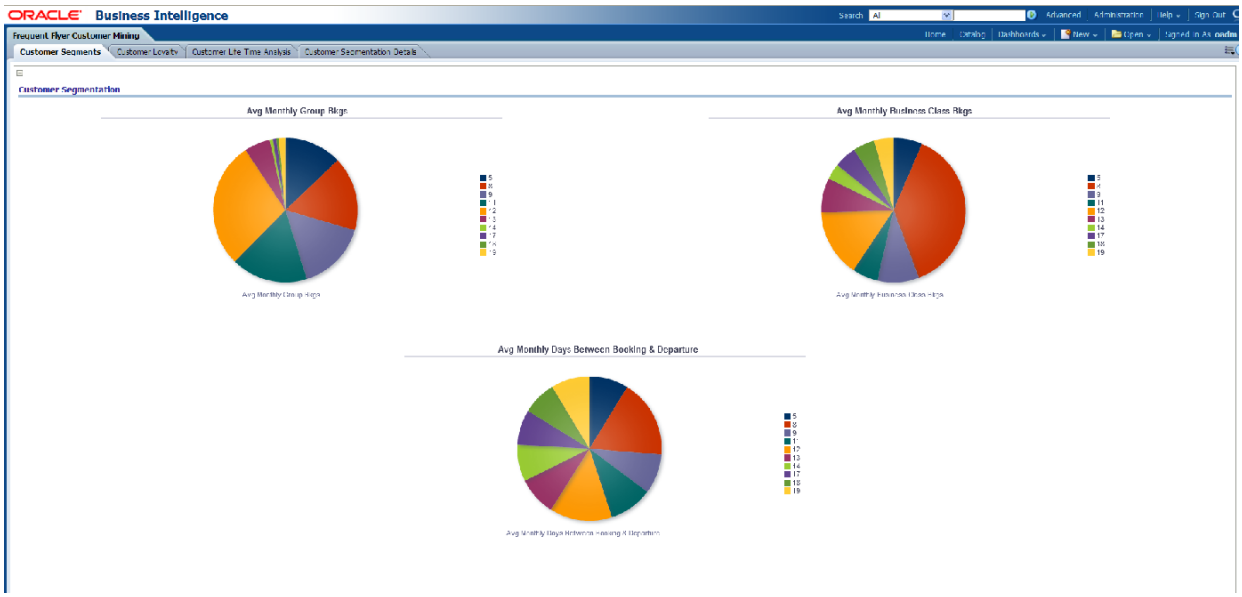
The Frequent Flyer Customer Mining reports include the following areas:

- Customer Segments
- Customer Loyalty
- Customer Life Time Analysis
- Customer Segmentation Details

Customer Segments

This report, as shown in Figure 11–34 provides the frequent flyer customer mining report for segments.

Figure 11–34 Frequent Flyer Customer Mining Customer Segments



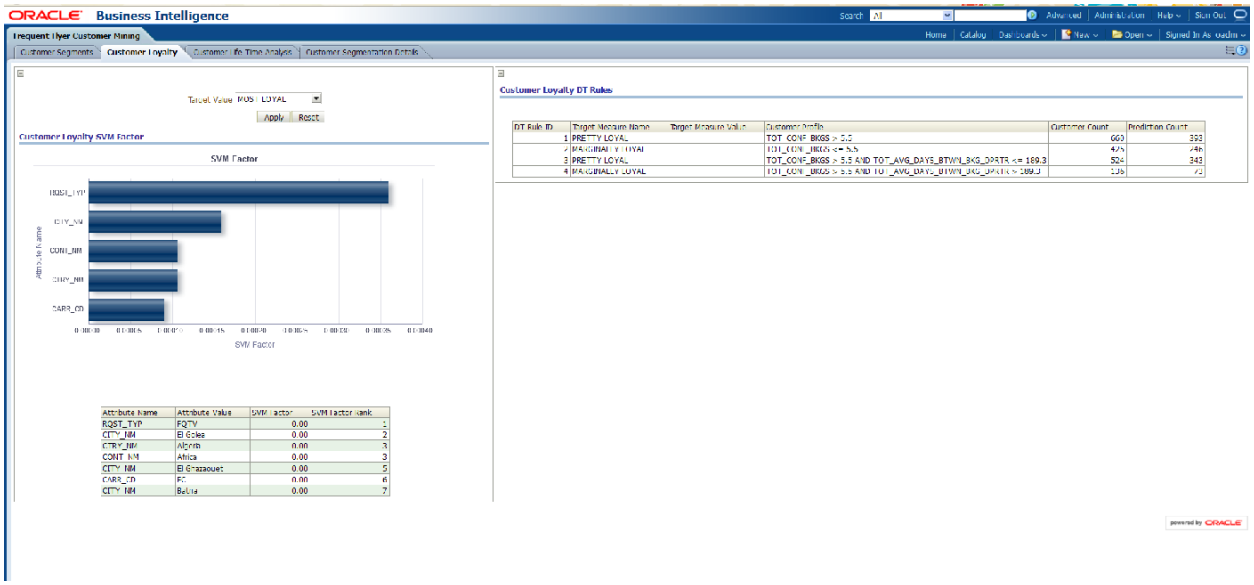
Customer Loyalty

This report, as shown in Figure 11–35 provides the frequent flyer customer mining for customer loyalty.

Report dimensions are:

- Target Value

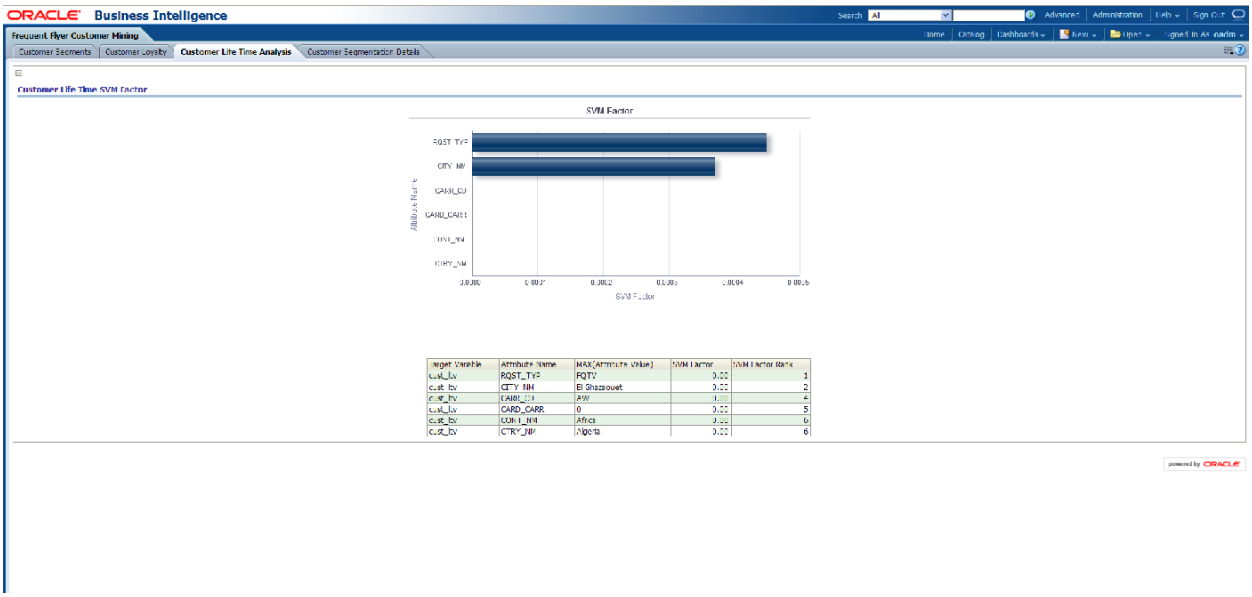
Figure 11–35 Frequent Flyer Customer Mining Customer Loyalty Sample Report



Customer Life Time Analysis

This report, as shown in Figure 11–36 provides the frequent flyer customer mining report for expected customer life time.

Figure 11–36 Frequent Flyer Customer Mining: Customer Life Time Analysis Sample Report



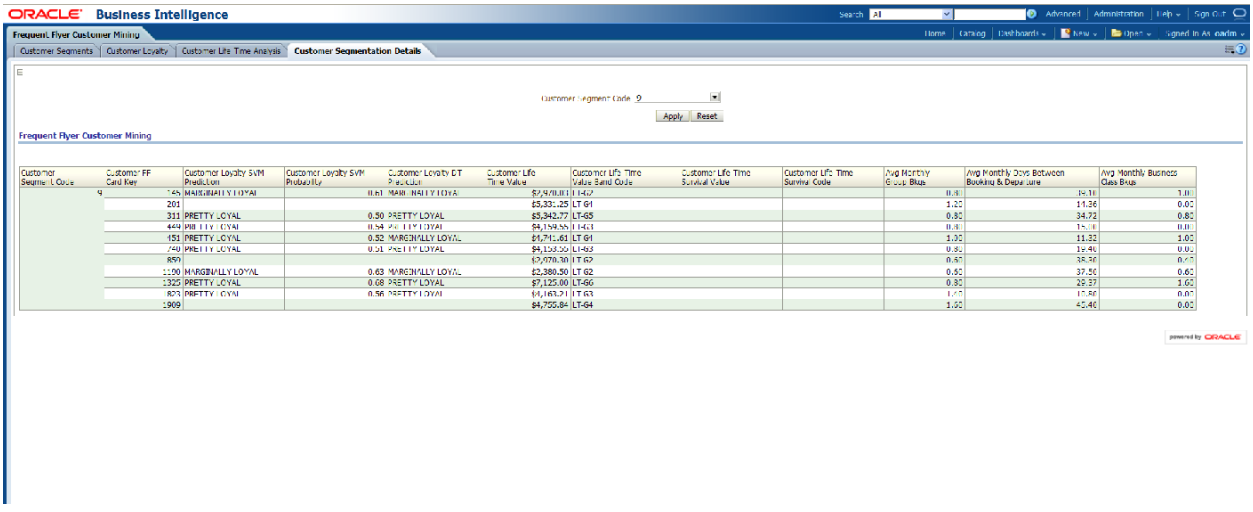
Customer Segmentation Details

This report, as shown in Figure 11–37 provides the frequent flyer customer mining report for customer segmentation.

Report dimensions are:

- Customer Segment Code

Figure 11–37 Frequent Flyer Customer Mining: Customer Segmentation Details Report



Non-Frequent Flyer Customer Mining

Non-Frequent Flyer Customer Mining

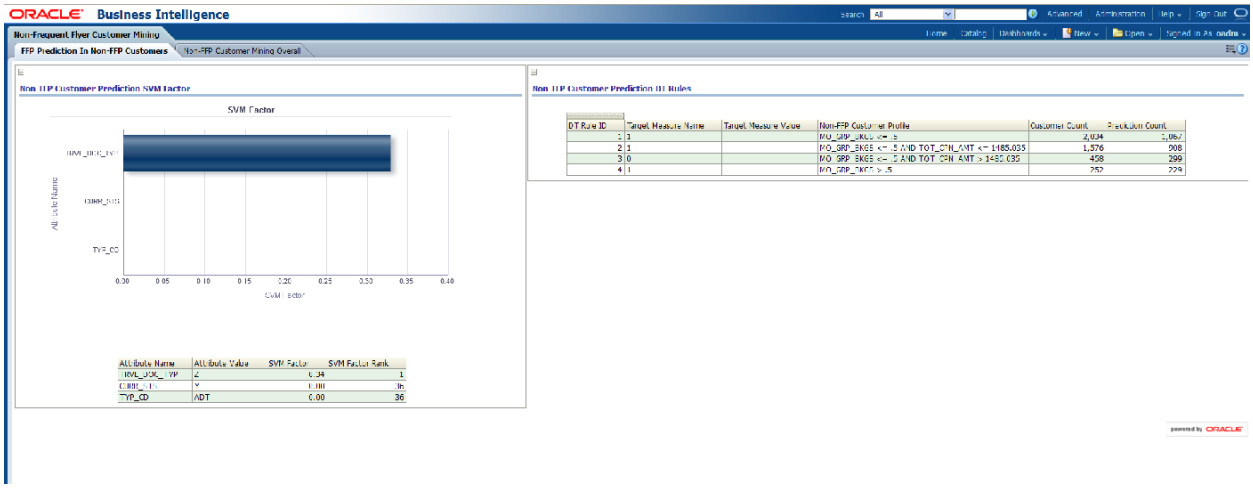
This Non-Frequent Flyer Customer Mining reports include the following areas:

- FFP Prediction In Non-FFP Customers
- Non-FFP Customer Mining Overall

FFP Prediction In Non-FFP Customers

This report, as shown in Figure 11–38 provides the Non-Frequent Flyer Customer Mining FFP Prediction Sample Report.

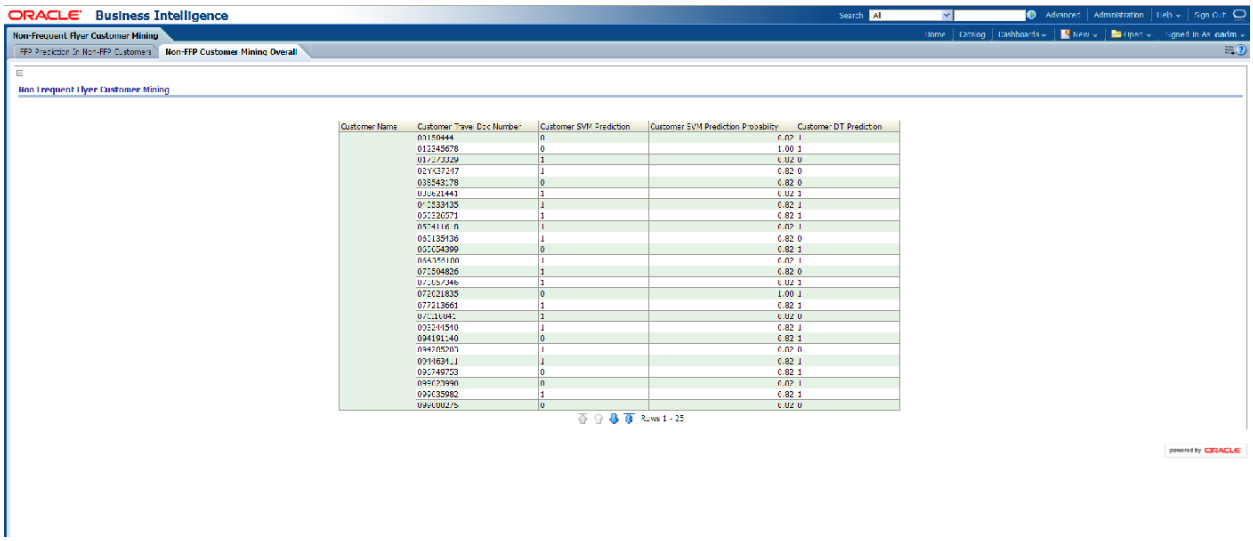
Figure 11–38 Non-Frequent Flyer Customer Mining FFP Prediction In Non-FFP Customers Sample Report



Non-FFP Customer Mining Overall

This report, as shown in Figure 11–39 provides the Non-FFP Customer Mining Overall Sample Report.

Figure 11–39 Non-FFP Customer Mining Overall Sample Report



Customer Interaction Analysis

This Customer Interaction Analysis reports include the following areas:

- Customer Satisfaction Survey Summary
- Customer Satisfaction Onboard Survey Detail
- Customer Satisfaction Ground Survey Detail

- Customer Relations Customer Comments

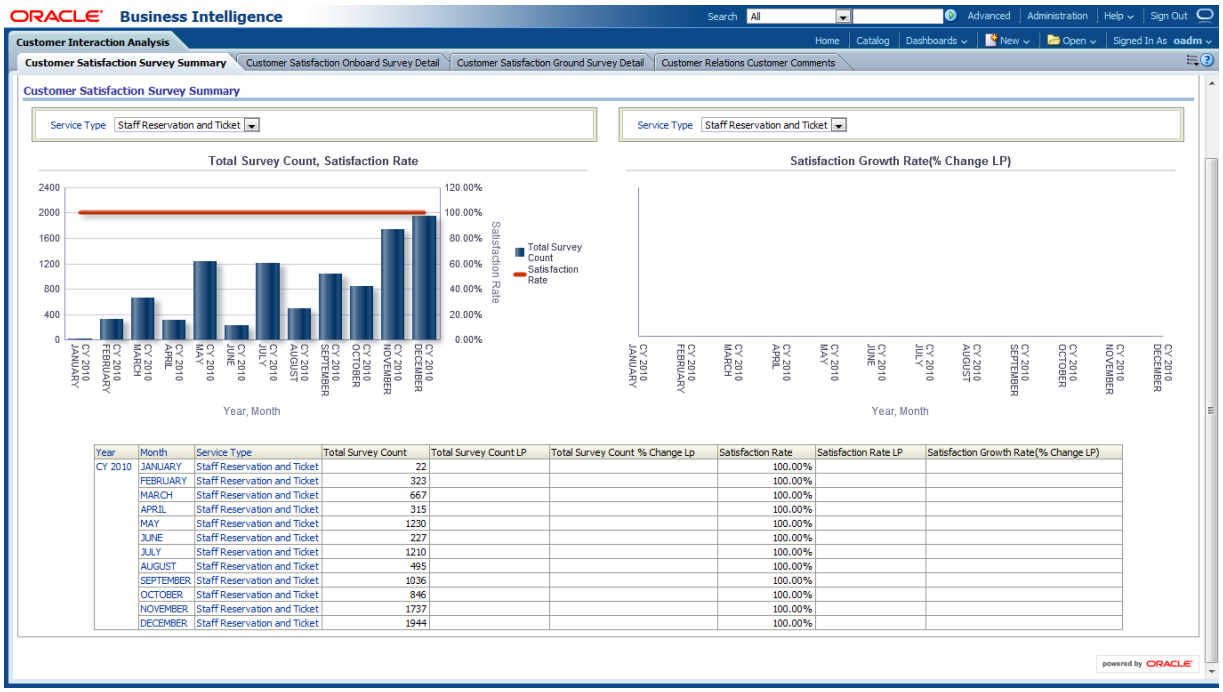
Customer Satisfaction Survey Summary

This report, as shown in Figure 11–40 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 11–40 Customer Satisfaction Survey Summary Sample Report



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%		
	NOVEMBER	Staff Reservation and Ticket	1737			100.00%		
	DECEMBER	Staff Reservation and Ticket	1944			100.00%		

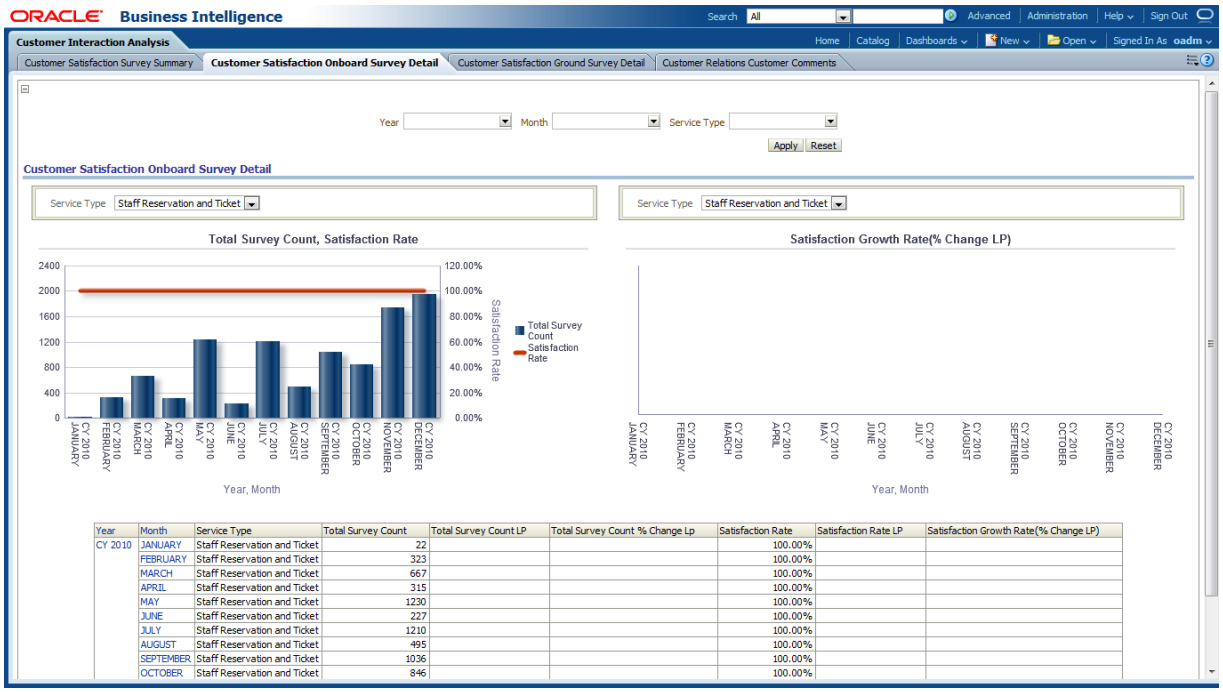
Customer Satisfaction Onboard Survey Detail

This report, as shown in Figure 11–41 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 11–41 Customer Satisfaction Onboard Survey Detail Sample Report



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%		

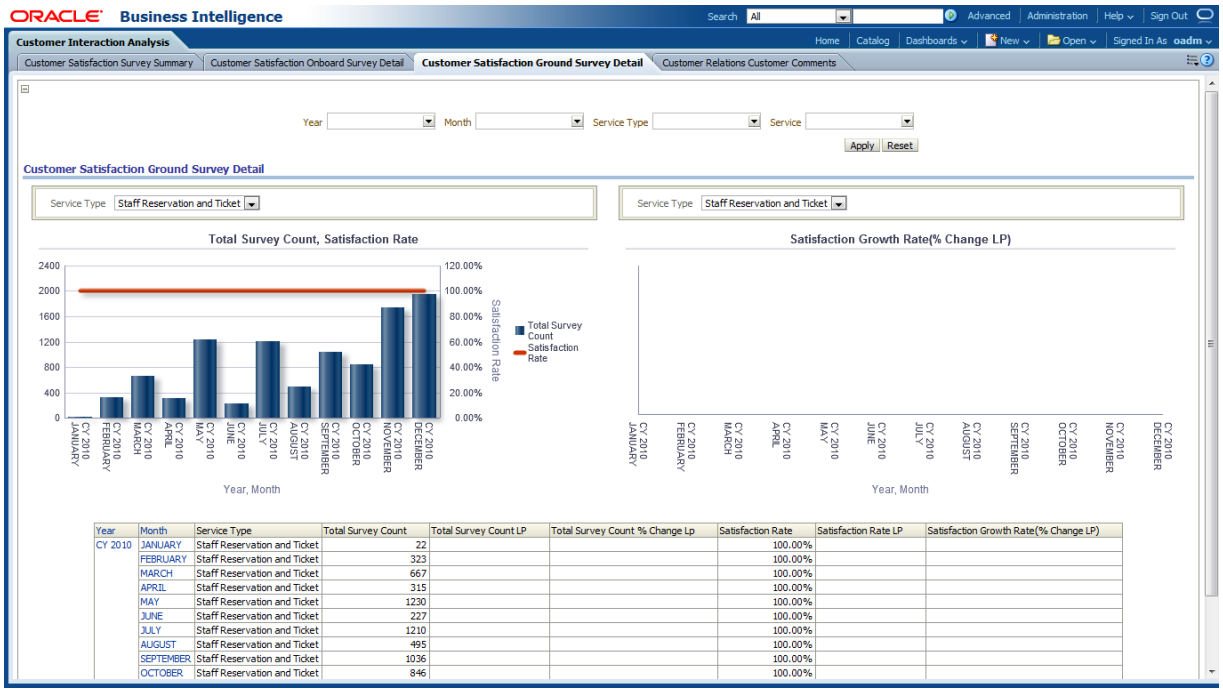
Customer Satisfaction Ground Survey Detail

This report, as shown in Figure 11–42 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 11–42 Customer Satisfaction Ground Survey Detail Sample Report



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%		

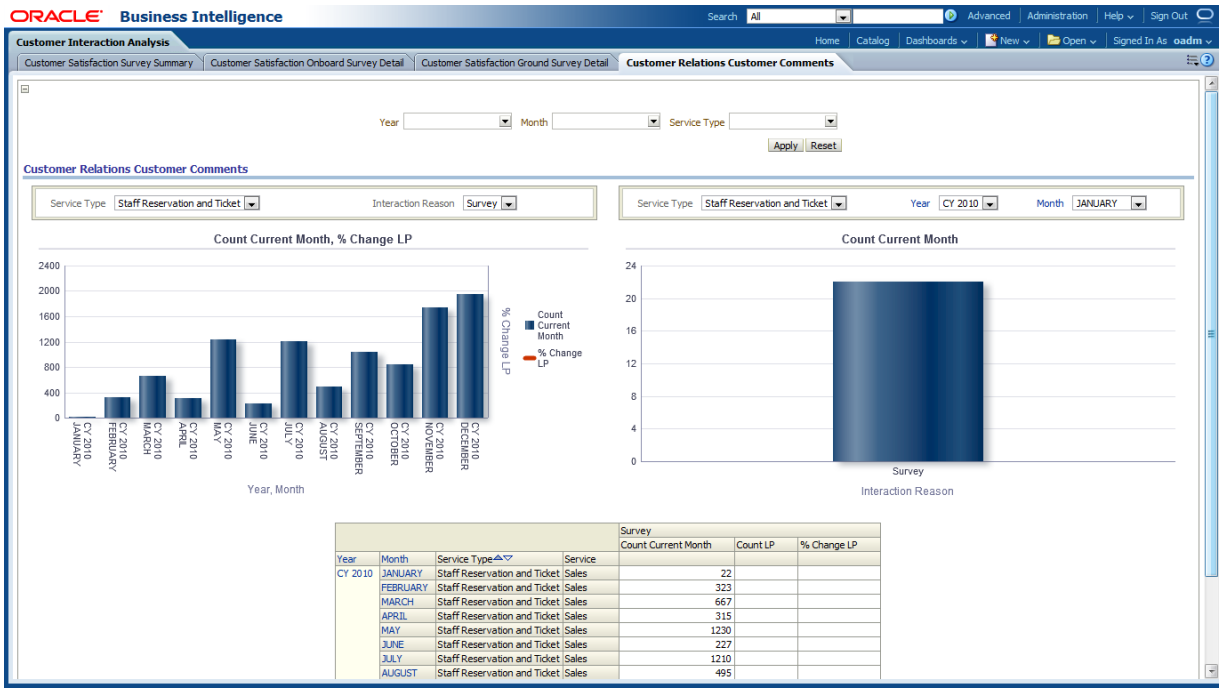
Customer Relations Customer Comments

This report, as shown in Figure 11–43 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 11–43 Customer Relations Customer Comments Sample Report



Part III

Appendices

Part III contains the following Appendixes:

- Appendix A, "Control Tables"

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.

This appendix includes the following sections:

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 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 DWC_ETL_PARAMETER table, as shown in Table A–1, and DWC_OLAP_ETL_PARM table, as shown in Table A–2. For more information on running the Intra-ETL, see *Oracle Airlines Data Model Implementation and Operations Guide*

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 `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 describes the valid values for the DWC_ETL_PARAMETER table.

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.

Table A–1 (Cont.) DWC_ETL_PARAMETER Table

Column	Description
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

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 describes the valid values for the DWC_OLAP_ETL_PARM table. For more information on the values to specify when performing an initial load of OLAP cube data or when refreshing the OLAP cubes after an initial load, see *Oracle Airlines Data Model Implementation and Operations Guide*.

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.
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;.

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

Column Name	Description
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.

Intra-ETL Monitoring Process Control Tables

The two control table 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 contains column name information for `DWC_INTRA_ETL_PROCESS`. Table A–4 contains column name information for `DWC_INTRA_ETL_ACTIVITY`.

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	
PROCESS_START_TIME	DATE	No	ETL Process Start Date and Time
PROCESS_END_TIME	DATE	Yes	
PROCESS_STATUS	VARCHAR2(30 BYTE)	No	Current status of the process
OLD_PROCESS_KEY	NUMBER(22,0)	Yes	
FROM_DATE_ETL	DATE	Yes	
TO_DATE_ETL	DATE	Yes	
LOAD_DT	DATE	Yes	
LAST_UPDT_DT	DATE	Yes	
LAST_UPDT_BY	VARCHAR2(30 BYTE)	Yes	

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
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	
ACTIVITY_START_TIME	DATE	No	Intra ETL Program Start Date and Time
ACTIVITY_END_TIME	DATE	Yes	
ACTIVITY_STATUS	VARCHAR2(30 BYTE)	No	Current status of the process

Table A–4 (Cont.) DWC_INTRA_ETL_ACTIVITY Columns

Columns Name	Data Type	Not Null	Remarks
COPIED_REC_IND	CHAR(1 BYTE)	Yes	
ERROR_DTL	VARCHAR2(2000 BYTE)	Yes	
LOAD_DT	DATE	Yes	
LAST_UPDT_DT	DATE	Yes	
LAST_UPDT_BY	VARCHAR2(30 BYTE)	Yes	

Intra-ETL Parameter Management Tables

Table A–5 contains column name information for DWC_ACTIVITY.

Table A–6 contains column name information for DWC_ACTIVITY_PARM.

Table A–7 contains column name information for DWC_ACTIVITY_PARM_TYP.

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. The approach to insert and update of these tables is defined in detail in *Oracle Airlines Data Model Implementation and Operations Guide*.

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

Intra-ETL Error Management Table

Table A-8 contains column name information for DWC_ERROR_LOG.

Table A-9 contains column name information for DWC_MESSAGE.

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	
CRE_BY	VARCHAR2(60 BYTE)	YES	
CRE_TMSTMP	TIMESTAMP(6)	YES	
UPD_BY	VARCHAR2(60 BYTE)	YES	
UPD_TMSTMP	TIMESTAMP(6)		

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

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