|  |
| --- |
|  |
| Flight Performance |



Contents

[1. Business Description 3](#_Toc412572569)

[1.1. Business background 3](#_Toc412572570)

[1.2. Problems because of poor data management 3](#_Toc412572571)

[1.3. Benefits from implementing a Data Warehouse 3](#_Toc412572572)

[2. Dimensions of a Business 3](#_Toc412572573)

[3. Logical Scheme 3](#_Toc412572574)

[4. Data Flow 3](#_Toc412572575)

[5. Fact Table Partitioning Strategy 3](#_Toc412572576)

[6. Strategy of Parallel Load 3](#_Toc412572577)

[7. Report Layouts 3](#_Toc412572578)

# Business Description

## Business background

* + **Business background**

DWH will provide research department of the all airports and companies schedule with flight performance information (departures, arrivals, etc.).

* + **Problems because of poor data management**

Today it’s hard to know/analyze data about flight performance.

* + **Benefits from implementing a Data Warehouse**

As a result the data will have performance statistics that can be analyzed to improve companies and airports schedule and gain more passengers by static time flights.

# Dimensions of a Business

1. **Time Dim**   
   year, quarter, month, day of month, day of week, flight date(yyyymmdd)
2. **Airline Dim**  
   Unique Carrier Code, Airline ID, Headquarters City, Headquarters Country, Head of the company, Personal number
3. **Airport Dim**  
   Airport ID, Origin City Market ID, Airport Name, City Name, State Code, State Name, Airport World Area Code, Gates, Head of the Airport, Number of personal
4. **Pilot Dim**

License ID, Name, Surname, Date of Birth, Origin City, Origin Country, Hours in the air

1. **Planes Dim**

Plane Id, Name, Role, Country Origin, Manufacturer, Status, Number built

# 3NF model

# D:\Hanna_Klimovich\Oracle DWH\3nf.jpeg

# Logical Scheme

# Data Flow

# Fact Table Partitioning Strategy

# Strategy of Parallel Load

# Report Layouts