

Telecom Market Analysis System

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Abstract— The Project entitled “Telecom Market Analysis System” deals with the various levels of Analysis to study and analyze the existing source database of Tele Communication System. Collect the Information and Business Requirements and its specifications from the Organization. Study and understand the existing System Information. This information becomes the basis for rational decision making of facilitate the decision making process, the Decision Support System (DSS) was developed. The Telecom Market Analysis System (TMAS) describe the process of exactly the data ware housing is fit for the data processing in Telecommunications organizations. This project concentrates more on four steps of data warehouse project which is an important aspect at Data Warehouse life cycle. A data warehouse is a subject-oriented, integrated, non-volatile, time-variant collection of data designed to support management DSS requirements. Data warehousing is a process of that involves delivery of information which improves decision making and business practices. It maintains the history of detailed and summarized data. Datawarehouse refers to a collection of information used to manage a business DWH updates business activities.
Key words: Databases, User interface, volatile, integrated, and data ware housing.

I. INTRODUCTION

A. Data Trak Solutions:

has been governed by its principles and center values. DataTrak Solutions is a leading provider of IT Solutions, sales to businesses across the Globe. It hosts the database for data warehousing project away from shore for the small and mid-sized companies. We provide 24/7 support to the client's systems. By using different reporting tools we can generate the BI reports and we make sure that we are providing the Best Quality, Speed and Low Cost.

B. Data Trak Solutions:

growth and success can be achieved in large part to the deliberate and skill of our partial and unparalleled support from our Clients. Data Trak Solutions partially has the connections with the best IT and Engineering jobs at the best companies. Data Trak Solutions offers very good opportunities with challenging Research and Development jobs in the IT Industries and also in Mechanical Engineering Solutions.

C. The Data Trak Solutions:

their wishes is to participate with clients that can make intellectual relationship between with each other then we can ask ourselves "how can we allow more value?" Mainly our work comes around client referral and we allow offering and providing service where we are personally interested in and showing empathy towards the work for the Client Organization. We are thinking to provide new Ideas as well as maneuver's.

D. As, per the client they require. It is not dependent of any hardware or software vendors, clients can make sure and secure that we remain actual existence and focused.

II. SCOPE OF THE SYSTEM

The project Telecom Market Analysis System (TMAS) describe the process of how exactly the data warehousing is fit for the data processing in Telecom Applications. This project concentrates more on four Steps of data warehouse project which is an important aspect at Data warehouse Life Cycle

- what is the Business?
- what are the dimensions?
- what are the facts?
- what is the granularity.?

III. EXISTING SYSTEM

- The current manual procedures that are being followed in the organization now for information capture, processing and trend predictions involve tedious routines for data collection, data organization.
- Since such primitive, inefficient manual procedures cannot be distributed, availability of required information across the organization will have serious limitations.
- Any changes that may occur have to be recorded at multiple locations to maintain data integrity, which will become almost impossible after crossing a certain degree of system complexity.
- In addition to these major drawbacks, there are a number of other shortcomings with the existing system.

IV. PROPOSED SYSTEM

- 1) Analyzing the Count of products measures.
We have spent time of collecting the Information from the Organization, Study and Understand the Information System and Collecting the Business Requirements
- 2) Designing Star schema dimensional model.
Design the Star schema dimensional model.
- 3) Working on ETL Tool for data loading,
Working on OLAP Tool for multi-dimensional reports

V. MODULE DESCRIPTION

A. Home Page:

In this page developer will give brief description about the company and the products. The source and target which are newly created are posted by the developer.

B. Informatica Power Center Repository:

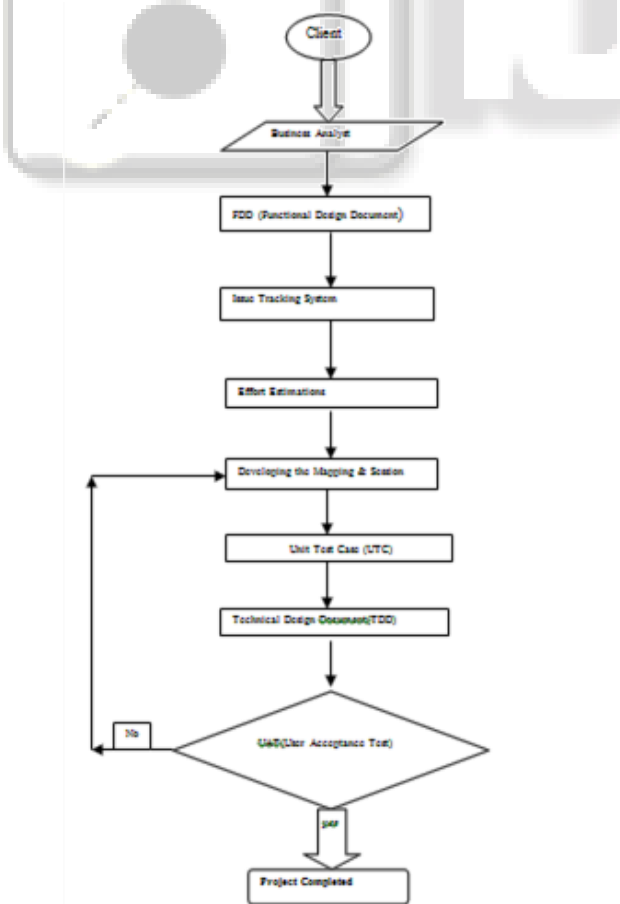
The heart of Informatica tools is repository. Repository is a type of data storage where all the data related to mappings, sources, targets etc . This is the place where all the designed application are stored. The client tools and Informatica Server receive data from Repository. Without repository the informatica client and server is same as a PC without memory/hard disk, which have the capacity to process the data but it doesn't have data to process. It acts as backend of Informatica.

C. Informatica Power Center Server:

The execution takes place at the server side. Server makes physical connections to sources/targets, extracting data, applies the transformations given in the mapping and loads the data in target system.

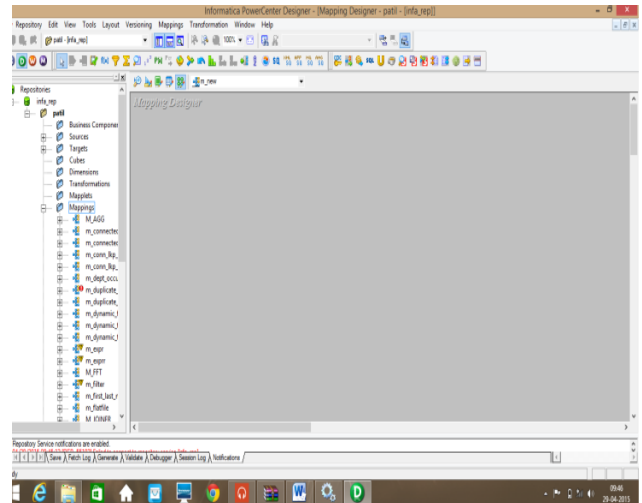
- 1) **Effort Estimation:** This estimation will be done by senior people(s) including technical lead, project manager and business analyst. It includes how many days required to build the project, cost of the project, cost of software's, team members (development, testing, production and support), and how many mappings needed/sessions needed, which versions well supports.
- 2) **Developing the Mappings & sessions:** It includes designing and development of workflow, worklets, mapping & mapplets, sessions and codes with Business logics according to requirement in order to implement the data warehouse.

VI. DIAGRAM FOR TEST AUTOMATION TOOLS

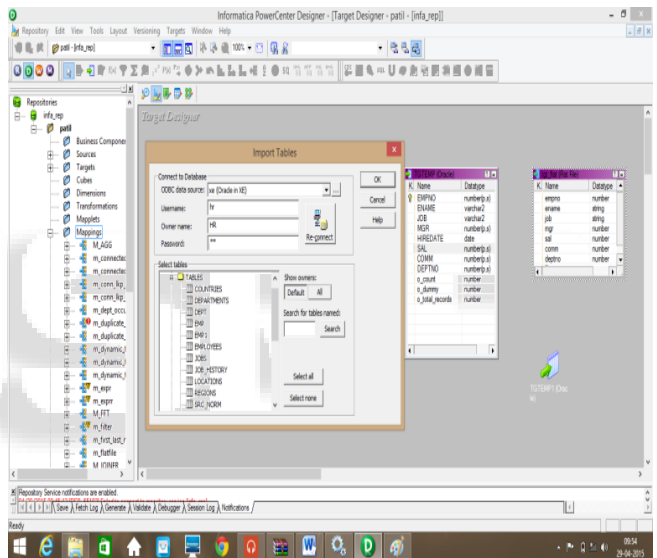


VII. SCREENSHOTS

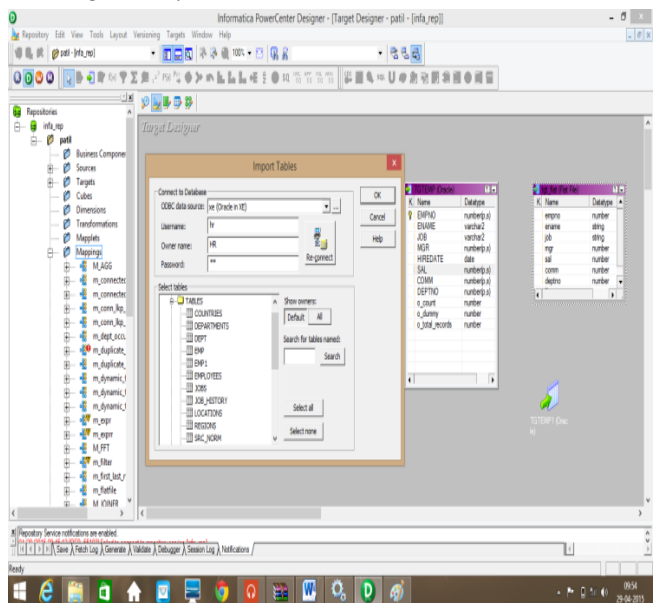
A. Home Screen:



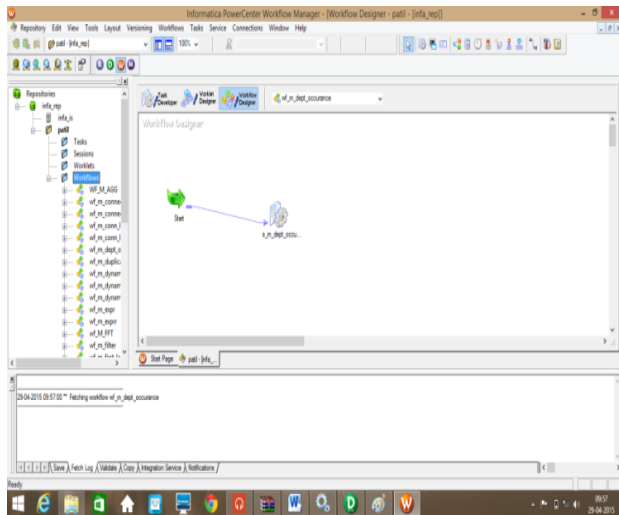
B. Source analyzer



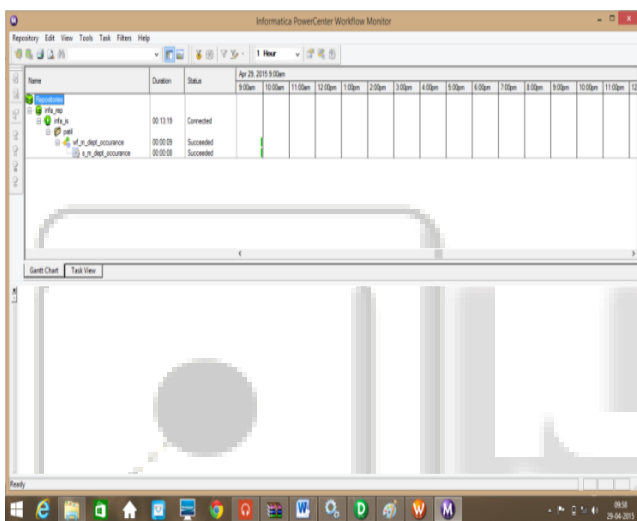
C. Target Analyzer:



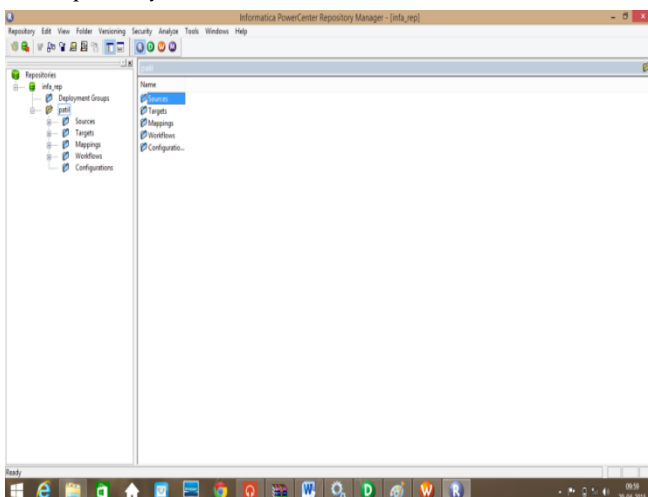
D. Workflow



E. Work Flow Monitor:



F. Repository Monitor:



VIII. REQUIREMENT SPECIFICATION:

A. Hardware Requirement

- Processor: Intel Core i3.
- Processor Speed: 1.80 GHz.
- Hard Disk: 500 GB.

B. Software Requirement

- Software: Informatica tool.
- Database: Sql
- Operating System: windows 7, windows 8.1

IX. CONCLUSION

This project was developed successfully and tested for requirements. The Reports and business formats in this project is to predict business. This project provided me with the hands on experience of a real time application and was able to go through the different stages of DATA WAREHOUSING LIFE CYCLE. Throughout this project, the company provided me with a good environment and there was always support from other team members.

To increase the value of present information resources, OLAP tools can be used. Call detail records can be used to combine with demographic data in order to obtain best and most valuable results. The data can be put together and analysed by using an OLAP cube. The cube is used for many different purposes like, rate adjustment plans, marketing campaign development and pricing improvement.

REFERENCES

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