Data warehousing Architecture

Data Sources

On Line Transaction Processing

SAP
Enterprise Resources Planning

Logistics

Human Resources

X

Business Data

On Line Analytical Processing Environment

Staging Area

Data Warehouse

Data Mart

Staging Database

- ❏ Temporary storage location
- ❏ Data loading into staging at not peak hour time
- ❏ Usually truncate and load operation

E-Extract Data
T-Transform Data
L-Load Data

ETL

ETL

Raw Data

Summary Data

Metadata

Human Resources

Inventory

Logistics

Purchasing

Sales

ETL

Business users

HUMAN RESOURCE MANAGEMENT

Human Resources Management

Sales and Purchasing Analysts

Reporting Users

Data Miner/ Scientists

Technical Meta Data/ Business Meta Data   **Business Meta Data**

Process Meta Data / Control Framework

Data Governance Framework