Function and services

Data Extraction

1. select data sources and determine the types of filters to be applied to individual source.
2. Create intermediary files to store selected data to be merged later.
3. Transport extracted files from multiple platforms.
4. Generate common application codes for data extraction.

Data Transformation

1. clean data, de-duplicate, and merge/purge.
2. De-normalize extracted data structures as required by dimensional model of the data warehouse.
3. Convert data types.
4. Aggregate data as needed.
5. Resolve missing values.
6. Consolidate and integrate data.

Data Staging

1. Provide backup and recovery for staging area repository.
2. Store and merge files.
3. Resolve and create primary and foreign keys for load tables.

Data Storage

1. Load data for full refreshes of data warehouse tables.
2. Provide automated job control services for loading the data warehouse.
3. Provide backup and recovery for the data warehouse database.
4. Periodically archive data from the database according to present conditions.

Information Delivery

1. Allow users to browse data warehouse content.
2. Simplify access by hiding internal complexities of data storage from users.

3. Govern queries and control runaway queries.
4. Store result sets of queries and reports for future use.