ETL Basics

- Lesson 4: ETL Tools

Lesson Objectives

- On completion of this lesson on ETL basics, you will be able to understand:
  - Consideration of ETL tool
  - Different ETL tools

The ETL Process

- Extract
  - Extract relevant data
- Transform
  - Transform data to DW format
  - Build keys, etc.
  - Cleansing of data
- Load
  - Load data into DW
  - Build aggregates, etc

Criteria for tool identification

- Criteria for Identifying Tools

- The Source System Platform and Database.
  - - Tools cannot access all types of data source on all types of Computing platforms

- Data Size
  - - Tools need to handle desired volume and type of data. E.g. Structured and unstructured data.

- Functionality required
  - - Tools have build in functionalities

- Cost of the tool

SAMPLE Extraction Tools

- Extraction Tools include

- Apertus Carleton. Passport

- Evolutionary Technologies. ETL Extract.

- Platinum. InfoPump

Sample ETL Tools

- Teradata Warehouse Builder from Teradata
- DataStage from IBM
- SAS System from SAS Institute
- Power Mart / Power Center from Informatica
- Sagent Solution from Sagent Software
- Hummingbird Genio Suite from Hummingbird Communication
- Abinitio
- Oracle Warehouse Builder
- Talend
- Pentaho

Sample Scheduling Tools

- AutoSys
- Control-M
- Flux
- IBM Workload Scheduler (TWS)

Sample Reporting Tools

- SAP- Business Object
- IBM- Cognos
- Microsoft SQL Server Reporting Services -SSRS
- Microstrategy
- Oracle Business Intelligence Enterprise Edition
- QLikView
- Tableau
- PowerBI -Microsoft

Summary

- In this module, you learned about the following:
    - Consideration for selecting ETL tool
    - Different ETL tools