

## Extract, Transform, and Load (ETL)

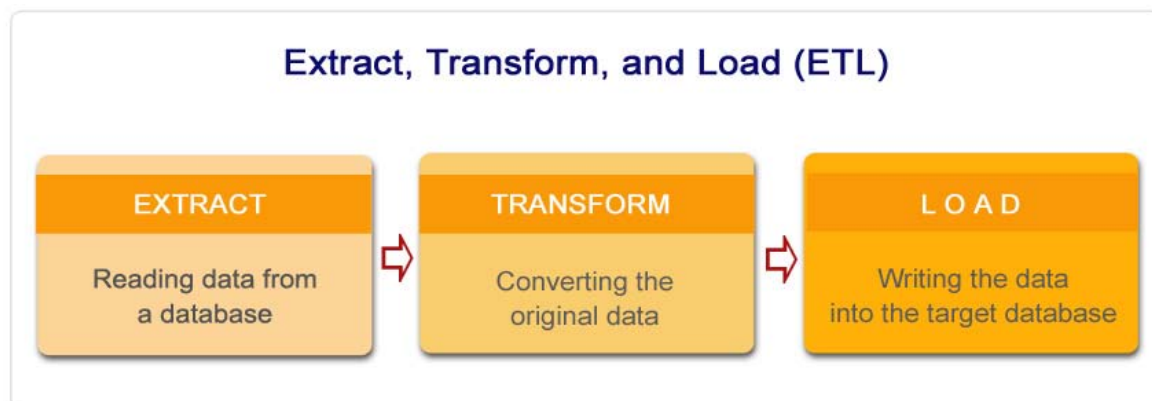
ETL tool is a data-extraction software which allows extracting data from outside sources, transforming it to fit business needs, and ultimately loading it into a data warehouse. It is usually constructed as a form of Client-Server architecture. The Client runs developer and administrator tools. The Server, on the other hand, executes managing the data. The data used in ETL processes can originate from any sources; a mainframe application, an ERP application, a CRM tool, a flat file, an Excel spreadsheet-even a message file.

ETL process can be quite complex, and significant operational problems can occur with improperly designed ETL systems. Recent development in ETL software has been the implementation of parallel processing. This has enabled a number of methods to improve overall performance of ETL processes when dealing with large volumes of data. Three main types of parallelisms are implemented in ETL applications-data, pipeline, and component. All these three types of parallelisms are usually combined in a single job. An additional difficulty is making sure the data being uploaded in relatively consistent.

Our consultants have expertise with various ETL tools and Enterprise Application Integration (EAI) tools that we use to integrate data from different sources and deliver coordinated performance management across your organization. Timewell consulting service offers:

- Planning and designing your ETL system
- Developing and Choosing the most suitable architecture
- Managing the implementation
- Managing the day to day operations
- Building the development/test/production suite of ETL processes
- Establishing a data cleaning subsystem
- Understanding the tradeoffs of various staging data structures, including flat files, normalized schemas, XML, and dimensional schemas
- Analyzing and extracting source data

Our goal of ETL consulting for our clients is to shorten clients' development cycle, reduce overall costs, and maximize the success of implementations. Our consulting rates are very competitive and our work is reliable. We employ experienced people that understand business processes and have the technical skills to deliver a successful solution. Our consultants are experienced in the source system analysis process and will be able to manage the process of using ETL tools to effectively integrate all of the necessary data and incorporate this process with Timewell's overall methodology.



**Some ETL tools :**

- Ab Initio
- BusinessObjects Data Integrator
- Case Iron
- Corssflo Systems: DataExchange
- Data Transformation Services (Included in Microsoft SQL Server 2000)
- ETL4ALL Ikan Software
- IBM Websphere DataStage
- Informatica PowerCenter
- MetaSuite Ikan Software
- Percasice Data Integrator
- SQL Server Integration Services (Included in Microsoft SQL Server 2005)
- Sunopsis
- Syncsort's DMExpress