



ALTAIR® RAPIDMINER® FOR ETL

Extract, transform, load (ETL) is the process of combining and cleansing data from multiple sources into one single data store. ETL has many names, ranging from data preparation to data transformation. No matter what your organization calls ETL, [Altair® RapidMiner®](#), our data analytics and artificial intelligence (AI) platform, is there to help you seamlessly connect different data sources and formats, making it easy for business users and data specialists to access, cleanse, and transform data to make better decisions.

ETL Process Step by Step

The three steps of ETL are:

Extract: Raw data is copied or exported from source locations to a staging area during this step. Teams can extract data from structured or unstructured data sources.

Transform: The raw data from the extraction is processed here and cleansed for its intended use case.

Load: Data that was transformed is uploaded to its end target.

ETL Challenges

With only three steps, ETL sounds a lot simpler than it actually is. There are many challenges data teams face when it comes to ETL: lack of expertise, platforms that aren't cost-effective or user-friendly, etc. We live in a data-driven world, and teams are looking for a trusted platform to make sure their ETL processes run smoothly.

What Differentiates Altair RapidMiner?

Altair RapidMiner offers a complete ETL approach. It features:

- A low/no-code solution suite that can be leveraged by any user that's part of the data management life cycle.
- Market-leading Microsoft® Excel® extraction capabilities.
- Prebuilt connectivity to allow enterprises to extract, transform, and load data from any source to streamline data processing and reporting.
- End-to-end data workflow solutions for all steps of a data life cycle.
- A full solution suite accessible through a single units-based licensing model that gives users full access to all technologies within the tool chain.

Learn More at:
altair.com/data-transformation



ETL Use Cases

- Extracting data from PDFs and Microsoft® Excel®.
- General ledger statement reconciliation.
- Transforming reports from mortgage servicing platforms into tabular data.
- Extracting data from invoices and purchase orders for automated processing for accounts payable/receivable.
- Loan servicing/loan portfolio analysis in support of credit risk and delinquency management use cases.
- Regulatory reporting.
- Data collection, aggregation, and analysis of third-party vulnerability and exposure data for improving cybersecurity.
- Personal data preparation.