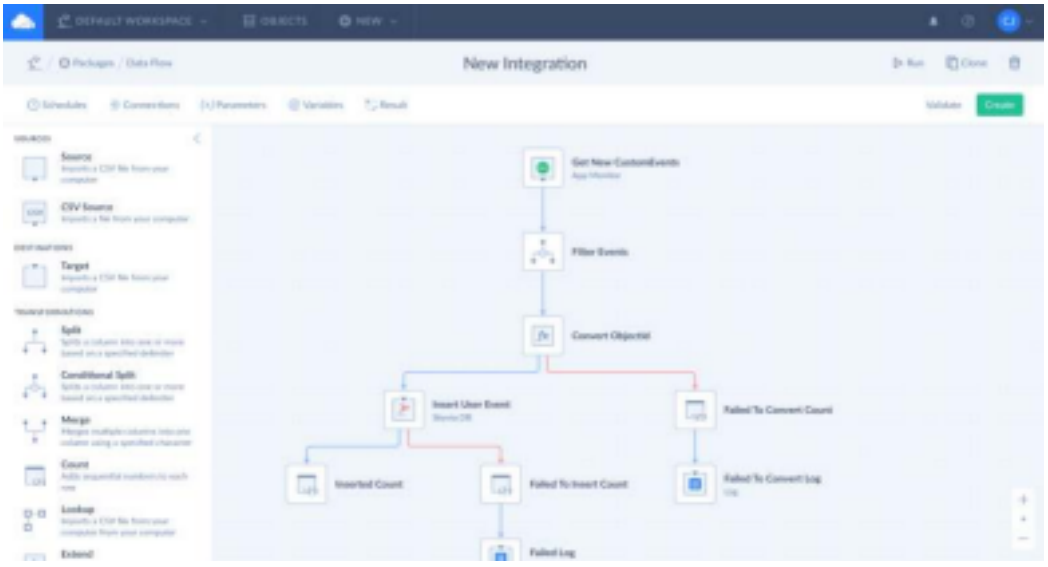
whitepaper


New Integration
Get New CustomEvents
Filter Events
Convert Objectid
Insert User Event
Failed To Convert Count
Inserted Count
Failed To Insert Count
Failed To Convert Log
Failed Log

Guide to Evaluate ETL Solutions

How to choose the right tool to get fresh, actionable data every day Skyvia |

skyvia.com

Table of Contents

Define the meanings

Executive summary
The what and the why

Checklist before trying out ETL solutions
Model and explore your data infrastructure

Business benefits
Build a data-driven ecosystem

A paradigm shift with Skyvia
Empower your data movement for better analytics

ETL tools evaluation criteria
Identify challenges for choosing the right ELT solution

What is ETL

Use this guide to define the ETL solution features critical for your business

“

Any business has two main goals: earn more and spend less. Having implemented a modern data stack, including the ETL tool, a business of any size can make data driven decisions to reach its goals and evolve faster than its competitors, who still run their business operations manually in Excel.

Dm itry Alasan ia
Head of Product Growth at Skyvia

Executive summary

Based on , the Foundry's 2022 Data & Analytics study majority of organizations (84%) have either already deployed or have data-driven projects on their roadmaps. Fortunately, with the advent of newer cloud services, practically any business can store and analyze data to get well-tuned analytics. However, it's still a very challenging task to choose, integrate, and manage the data stack

In this study from Skyvia, our team provides insights into how to make a strong and capable choice for businesses of any size to ensure you deliver value and maintain a competitive advantage.

88% of IT decision-makers agree that the collection and analysis of data have the potential to fundamentally change the way their company does business over the next 1-3 years

What is ETL?

data into a consistent format (by applying aggregation, cleaning, deduplication, etc.)

E

EXTRACT

data from various sources (cloud apps, databases, flat files, etc.)

Benefits

360-degree holistic view

Get a single source of truth for all company data

T

Transform

Improved decision-making

Build visual dashboards and advanced reporting

L

Load

data into a target place (data warehouse, mart, lake, repository, etc.)

capabilities

Supply business teams with actual operational data

Reverse ETL

Checklist before trying out ETL solutions

01

Define what business use cases you need an ETL tool for (data analytics, reporting, machine learning, etc.) and whether you're also in need of Reverse ETL (when after transformation, the data gets back from the target to the source and enriches it).

02

Discuss the requirements within a company and map out all the data sources that will be used throughout the ETL process.

03

Estimate what data volumes are needed and where data should be stored: in the cloud or locally on premise.

04

Determine who will use the chosen solution (data engineers, marketing, sales teams, C-level users, etc.), as it defines the level of technical knowledge required for applying the ETL tool.

Explore Skyvia features now

Get started for free

63% of organizations say they have introduced new revenue opportunities and/or lines of

business over the last three years due to data and analytics

Here’s a snapshot of Skyvia’s scenarios

Data integration

ETL or Reverse ETL. Solve simple integration scenarios with the Data Import feature, whereas for more complex data pipelines and their orchestration, there are Data Flow and Control Flow tools.

Data warehousing

ELT, business data replication from disparate data sources to a database or data warehouse.

Data migration

Transfer your data from similar systems, as well as move legacy data to CRM systems (by using CSV or migrating from databases).

Data loading

Automate CSV data loading to/from cloud apps and databases with support for FTP/ SFTP and file storages.

ETL tools evaluation criteria

01

Integrations

ETL tool should be flexible to read and write data regardless of where the data is located, whether on premises or in the cloud. Although most vendors focus on adding pre-built integrations, different vendors focus on different sizes/types of businesses and support different connectors. So it's a good idea to to find out whether they chat with each vendor support the needed data sources and discuss their integration strategy. Moreover, some vendors allow users to create new connectors using REST API SDK or can build one on demand.

02

Ease of use

IT professionals and business users need access to a data integration solution they could work with. That’s why the service of choice should be user-friendly, code-free, and allow you to get data in a matter of minutes.

03

Scalability

Great ETL tools can accommodate business needs

Functionality

Ensure that the chosen ETL tool contains features your business requires, either basic or advanced. These data-related processes include mapping, transformations, data management, role-based access, and features, notification system, custom integration logic, etc.

and analytics tools, they're most often looking for data reporting capabilities (36%), security and governance capabilities (31%), and integration into their existing infrastructure (31%).

When IT decision-makers evaluate features in data

through the ability to scale up and down within any data volume and offer a flexible pricing structure. Shortly put, there are different integration scenarios, and the service should be able to support any.

Integration into their existing infrastructure

36%

31% 31%

data reporting capabilities

security and governance capabilities

you with all the services you need.

ETL tools evaluation criteria

05

Support

Sometimes integration issues occur, meaning it's vital to have reliable and responsive support: comprehensive documentation, tutorials, and various support channels. However, while some services are very responsive to their customers, others are not. As each vendor tends to have varying levels of support, you should find a vendor that will provide

06

Security and Compliance

Data is the most valuable asset of each company and should be protected on all levels. While working with sensitive data, clarify whether the vendor is ready to

pass the security assessment and specify how the data is encrypted, etc. Vendor security and compliance are also essential, especially when your business needs to follow regulatory requirements and frameworks like HIPAA and GDPR. Moreover, some ETL tools also offer , which is a

cloud data backup

convenient feature.

the bank.

Organizations are struggling with poor data quality (41%) and data security and governance issues (38%).

07

Pricing

Usually, the pricing structure depends on data volume, features, number and types of connectors, support level, etc. It’s important to take into account pricing commitments and hidden costs. If your business is growing, it’s important to use ETL tools that allow scaling data consumption without breaking

41% poor data quality

38% data security and governance issues

A paradigm shift with Skyvia

Skyvia is a cloud-based platform that integrates with local and cloud-based services and applications in a fast and easy way. The service allows to build ETL, ELT, and reverse ETL data pipelines, sync data in both directions, and offers data migration services. It also

provides a range of capabilities, like data management, sharing data as REST API, and cloud data backups.

88% of our customers say they've set up their first integration package within 30 minutes

200+ Partners

1.5k + Customers

150+ Enterprise

T Requires little-to-no configuration

T No maintenance costs

T No-code, visual data flow builder

Technically wise

T 100% cloud-based platform

T Hosted in Microsoft Azure

T Capable of meeting any load

Scalable

Flexible plans for each product suites for businesses of any size, from a small startup to an enterprise company.

Easy to set up

Connect any and all

See Skyvia in action!