ASCEND.IO

The Unified Data Engineering Platform

WHY ASCEND?

- ⚒ Ascend is the only unified platform for autonomous data pipelines with **zero maintenance**
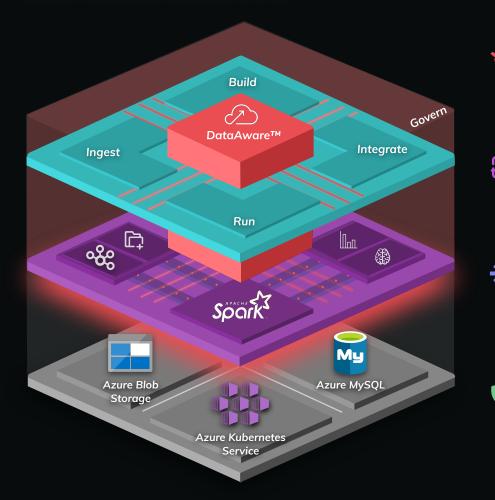
- ⚒ Ascend's Declarative Pipeline Builder allows you to create pipelines **10x faster** and with **95% less code**

- ⚒ Ascend's **DataAware™** intelligence tracks the link between all your code and data, ensuring your pipelines are up-to-date and running optimally

The tremendous growth of data volumes, variety, and velocity has created a new era of data challenges that have quickly surpassed the capabilities of traditional ETL. Today, data pipelines are the backbone of modern data systems, yet are also the bottleneck to fulfilling the exploding demand for analytics and insights. As demand for data pipelines skyrockets, so does the complexity and brittleness of existing solutions, further delaying the realization of the promised value.

Evolving beyond traditional ETL, the Ascend Unified Data Engineering Platform revolutionizes how data teams build by introducing autonomous data pipelines that dynamically adapt to changes in data, code, and environment. Freed from manual configurations and maintenance, data teams on Ascend drive innovation and deliver insights 10x faster than their competition.

ADVANCED DATA ENGINEERING CAPABILITIES

Ingest – easily ingest data from any data lake, warehouse, database, stream, or API with little to no code. Ascend monitors, profiles, and optimizes your data automatically.

Build – create data pipelines with declarative definitions in Python, SQL, Scala, and YAML. Ascend's Declarative Pipeline Builder visualizes code and data for easy exploration, prototyping, and instant lineage tracking.

Run – Ascend's Autonomous Pipeline Engine optimizes your data pipelines and infrastructure with Adaptive Spark Cluster Management, dynamic resourcing, proactive data persistence, and automatic backfills.

Integrate – connect notebooks, business intelligence, machine learning, and AI applications directly to live data pipelines via JDBC, APIs, and more. Ascend's Structured Data Lake synchronizes your data lake and pipelines, ensuring data integrity at all times.

Govern – track how data is processed, accessed, and used throughout your organization. Ascend maintains detailed records of user behavior, changes in code, and data lineage, providing unprecedented levels of auditability, reporting, and security.

The **Ascend Unified Data Engineering Platform** combines a powerful suite of capabilities to dramatically accelerate the engineering journey from prototype to production data pipelines. At the platform's core is Ascend's **DataAware™** intelligence, which tracks every piece of data and every action ever performed on it, ensuring your data pipelines not only run at optimal efficiency, but do so with integrated governance capabilities.

10x
FASTER BUILD VELOCITY

95%
REDUCTION IN CODE

COMMON USE CASES

Low-Code Data Ingestion
Move your data from anywhere, to anywhere. Whether you're hydrating your data lake, or expanding to new data sets, onboard data with little to no code in minutes.

Data Warehouse Offload & Optimization
ELT burning through your budget? Pre-process complex data transforms and load clean, optimized data sets into your data warehouse. Ascend pipelines offload costly ELT and "last mile" ETL, while providing faster performance and lower costs.

Data Platform Modernization
Whether migrating from on-prem to cloud, or from traditional ETL to low-cost big data infrastructure, accelerate your migration and lower your ongoing maintenance with Ascend. Built on top of modern data infrastructure, Ascend's Unified Data Engineering Platform provides industry leading governance capabilities, and democratizes data engineering with broad support for languages and experience.

DESIGNED TO EMPOWER THE WHOLE TEAM

Data Engineers
Fast & Flexible
Zero Maintenance

Data Scientists
Notebook Friendly
On-Demand Access

Data Analysts
Low-Code, Visual Lineage
JDBC Connector to Live Data

DEPLOYMENT OPTIONS

Serverless
Multi-tenant
Fully Managed
Ascend Spark & Infrastructure

Cluster
Single Tenant
Hosted in your VPC
Connects to your Spark

Enterprise
VPC Peering
On-prem VPN Connectivity
Intra-node Encryption for Spark

Free trial: ascend.io/trial | **Contact:** info@ascend.io