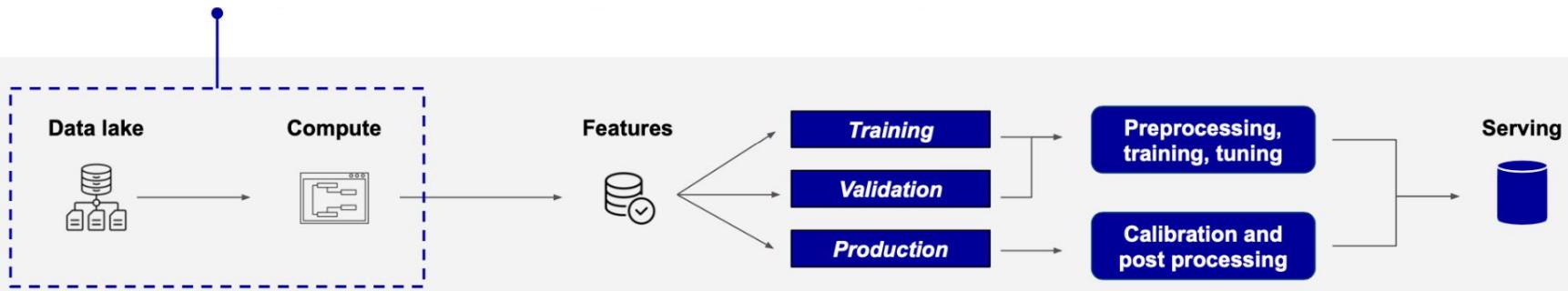


Data processing tools for compute are an integral component of AI/ML workflows



Industry trends

30.4%

Global Machine Learning
market CAGR through 2030

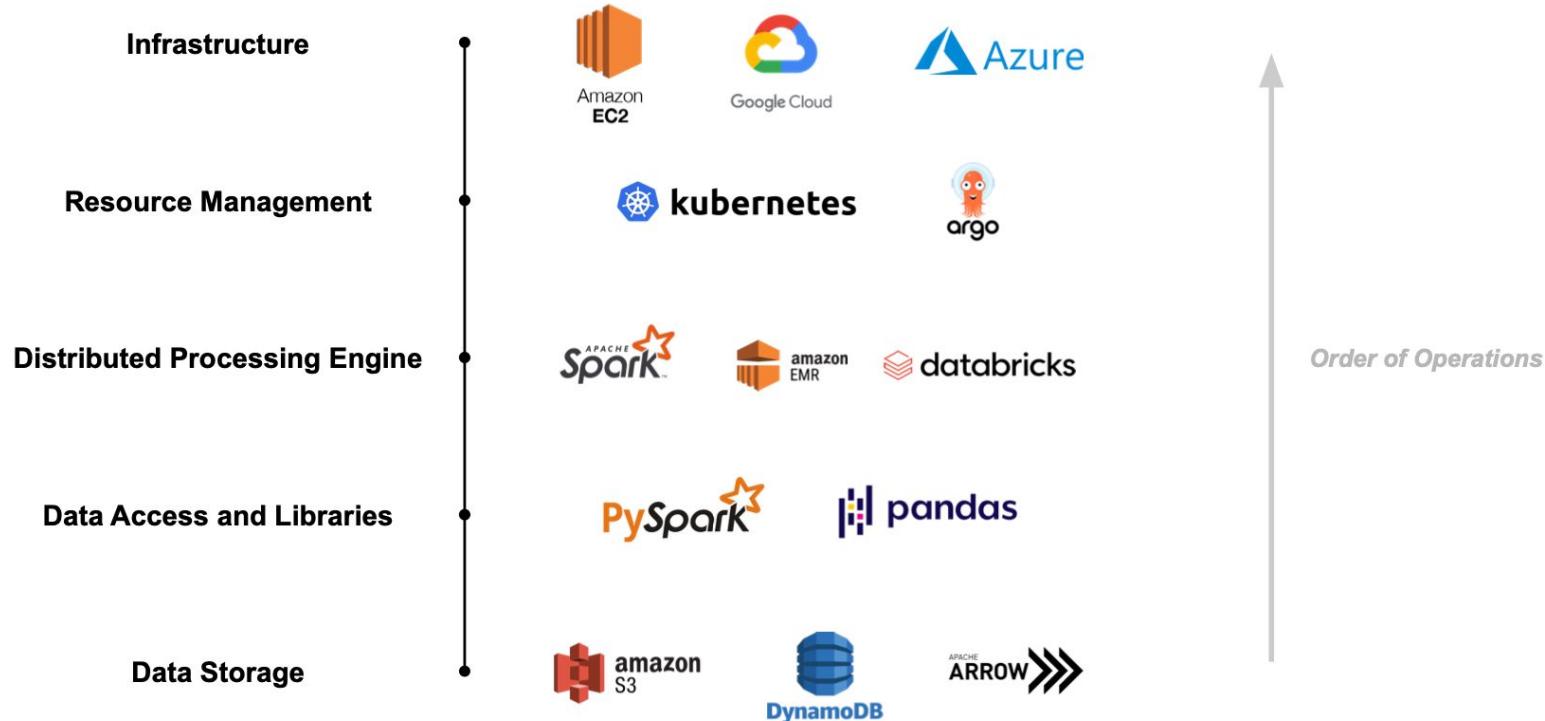
19-22%

Increase in global demand
for data center capacity

23%

YoY growth of enterprise
spending on cloud services

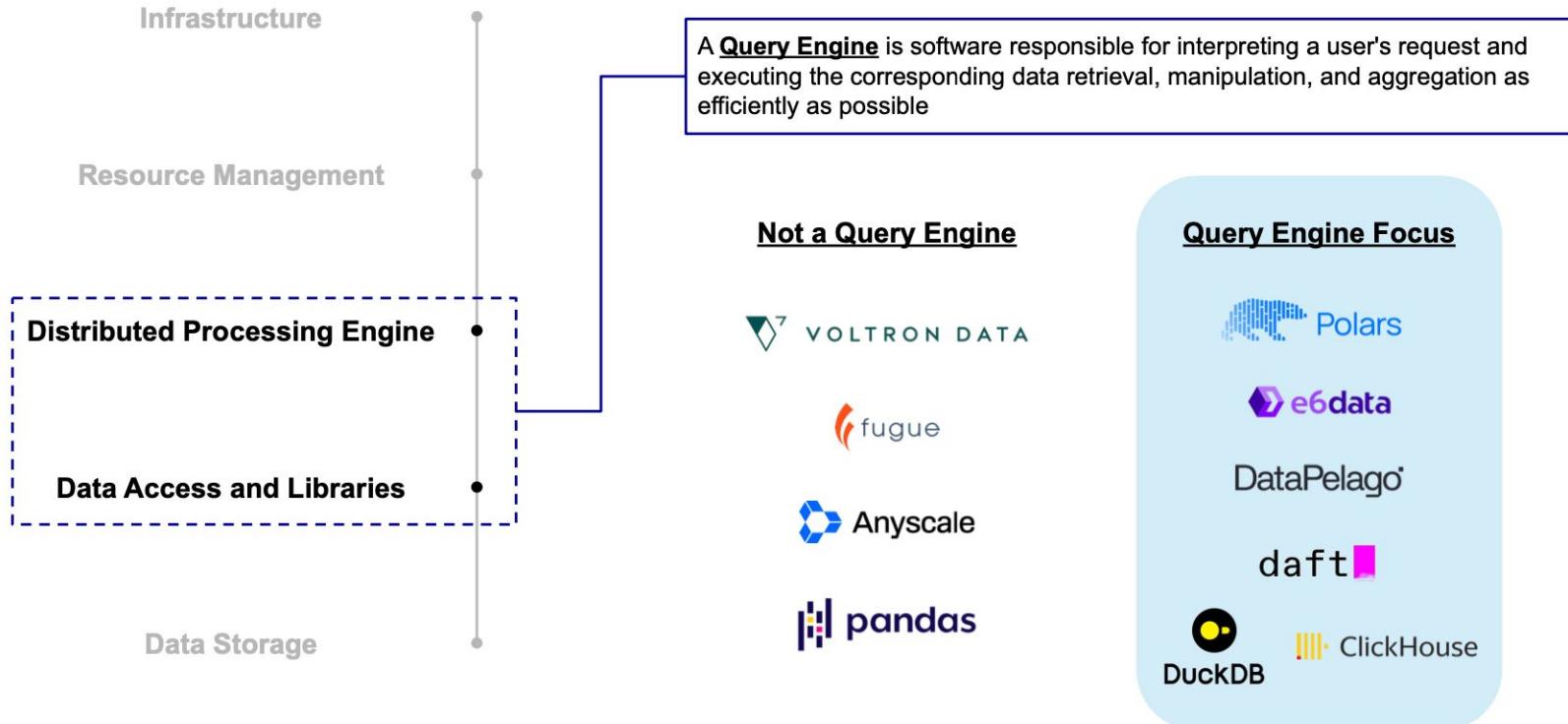
Storage-to-compute stacks are comprised of various hyperscaler and open source offerings



... and emerging startups that offer optimized alternatives to baseline tools



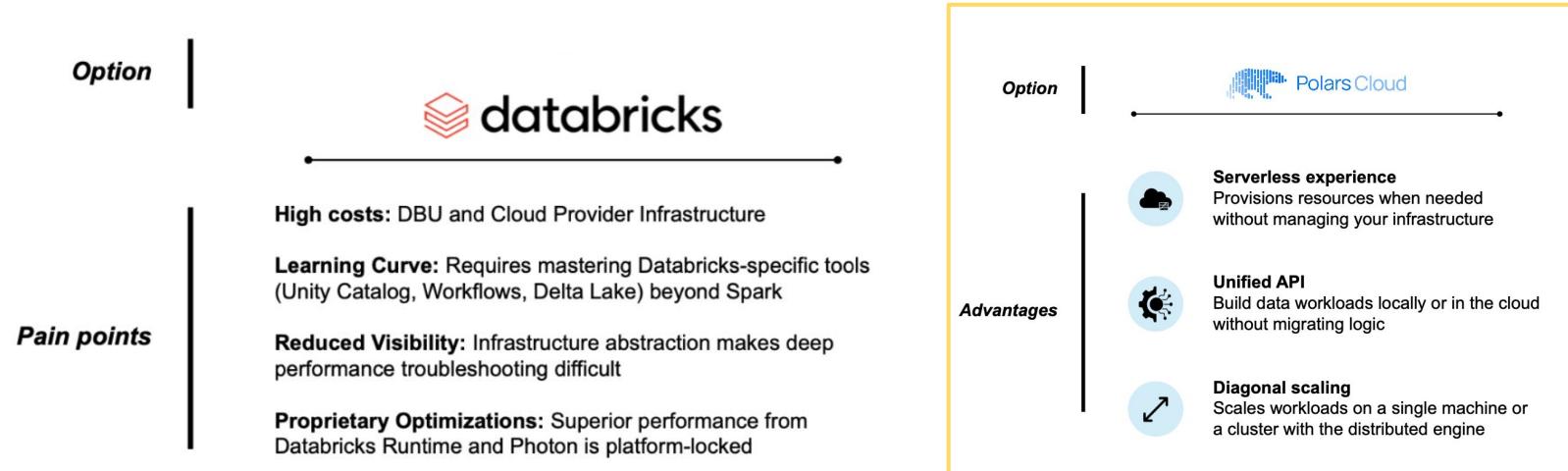
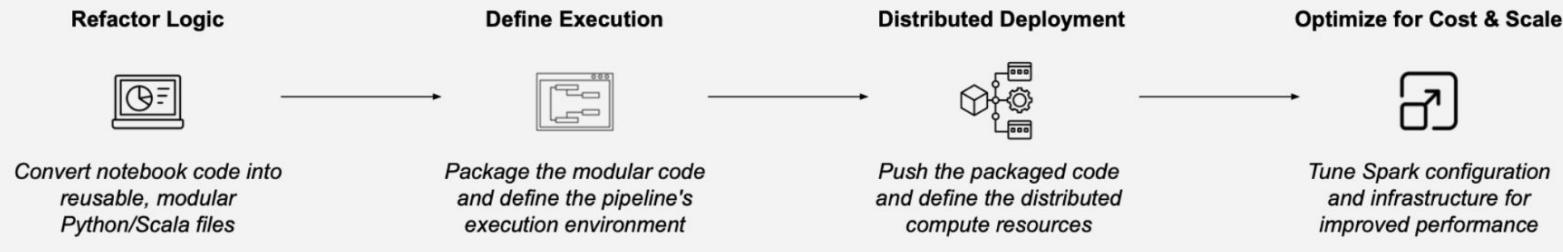
Query engines are the optimization layers for how data is computed



Market landscape: Data processing startups with a query engine optimization layer

Polars	e6data	DataPelago	Daft (Eventual)	DuckDB	
 PolarsCloud	 e6data	DataPelago ⁺	daft ⁺	 DuckDB	
Funding Investors, Stage	\$25M Accel, Series A	\$13.6M Accel, Series A	\$47M Eclipse, Qualcomm, Series A	\$30M Felicis, YC, Citi, Series A	OSS non-profit foundation
Employees Size	10	95	63	29	24
Momentum Customers, Adoption	Open Beta on AWS OSS 36k+ stars	Chargebee and Freshworks	McAfee, Hidden Layer and more ...	OSS 4.7k+ stars Amazon, Together.AI and more ...	OSS 34k+ stars
Product snapshot	Python-native distributed data processing engine	Kubernetes-native for distributed SQL tasks	Accelerated compute platform focused on hardware abstraction	Python-native distributed data processing engine	Single-Node Analytical Database (OLAP DBMS)
Compete?					

Data compute flows are limited by configuration friction for cloud deployments



Polars and Polars Cloud



New era of DataFrames with Polars

Polars is a DataFrame library designed from the ground up for fast and efficient data processing on a single machine. Used in the data ecosystem for fast transformations to replace pandas and PySpark.

- **Intuitive DataFrame API**, enabling full columnar context and reusable blocks to build your queries.
- **Optimizer takes responsibility for query performance**, incorporating decades of database system research to execute as efficient as possible.
- **Different engines for each use case**, process data in-memory, with streaming for larger than RAM datasets, or accelerated using the GPU engine.
- **End to end integrated**, written from scratch to have a tight integration from IO to query engine and full control of performance critical parts.

Growing popularity in the data community

22M+
monthly
downloads

35k+
Github
stars

250M+
total
downloads

Powering production workflows at leading organizations



Integrating with popular data ecosystem partners



SEAMLESS PROCESSING AT ANY SCALE

Introducing Polars Cloud to run Polars at scale

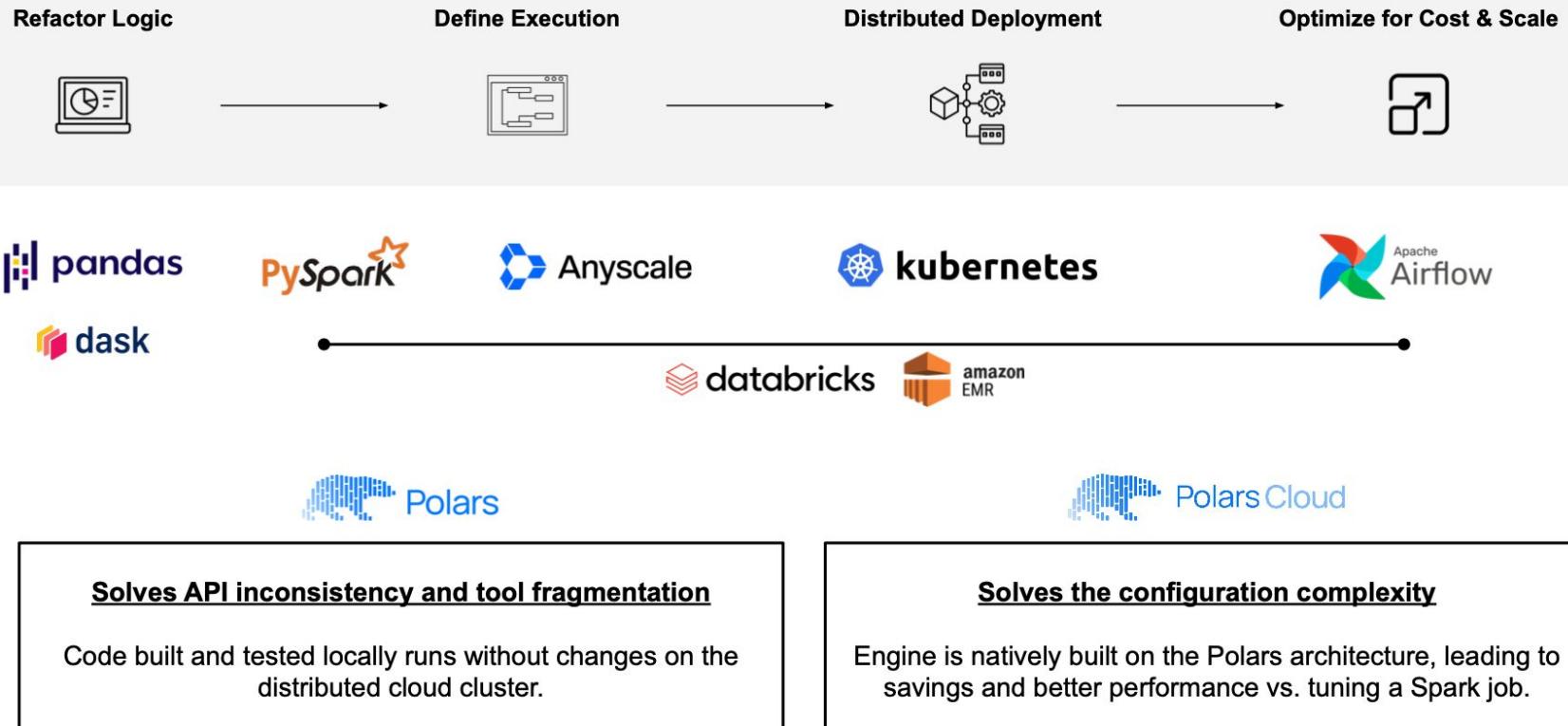
Deploy and scale data processing workloads with zero infrastructure management. Natively built on top of the popular Polars API that data teams know and love.

- Build data workloads locally or in the cloud. No more migration between tools, write Polars once and run.
- Scale out data workloads on a single machine or a compute cluster with the new distributed engine.
- Spin up the compute resources you need to execute at scale without managing infrastructure.

Product comparisons

	 Polaris Cloud	 e6data	 daft
Description	Managed service that deploys the Polars distributed engine for large-scale queries with zero infrastructure management.	Lakehouse Engine with a decentralized, Kubernetes-native architecture designed to optimize large-scale SQL workloads.	An open-source, Python-Native, Distributed Data Engine and DataFrame library built specifically for AI/ML workloads.
Advantages	<ul style="list-style-type: none">✓ Maximizes core usage through diagonal scaling (vertical AND horizontal)✓ Write once, run anywhere (seamless local to prod deployment)✓ Speed (Rust backend)	<ul style="list-style-type: none">✓ 5-10x faster than Databricks/Snowflake✓ Interoperability with all major lakehouse formats and catalogs (Delta, Iceberg)	<ul style="list-style-type: none">✓ Speed (Rust backend)✓ Native support for multimodal data
Disadvantages	<ul style="list-style-type: none">✗ Polaris Cloud offering is in Beta✗ Extended data catalog and job scheduling features are still on the roadmap	<ul style="list-style-type: none">✗ Primarily a SQL-centric engine✗ Does not offer a native, Python-first DataFrame experience	<ul style="list-style-type: none">✗ No support for diagonal scaling (horizontal only)✗ Relies on Ray's object and memory handling framework (dependency)

Spark alternatives is not a new market, but a distributed engine solution that connects seamlessly with a performant upstream dataframe library is rare



Polars team and history

Founding Team



Ritchie Vink

CEO and Co-founder

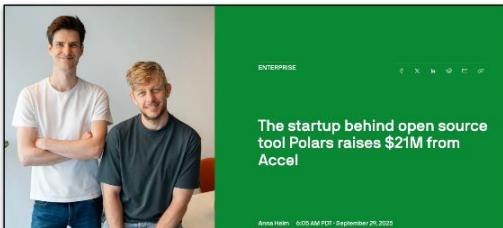
- Xomnia (data + AI servicing)
- Adidas



Chiel Peters

Co-founder

- CTO @ Xomnia (data + AI servicing)



Key Facts

Founding

- Founded 2020 as an open source, high-performance and multi-threaded DataFrame library to address performance limitations in existing data manipulation tools like Pandas.

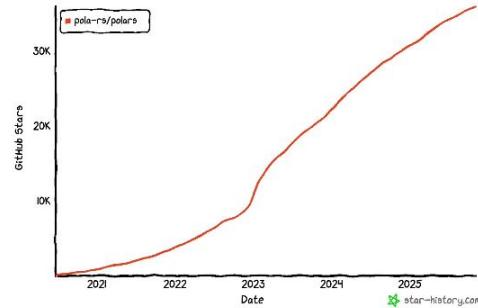
Fundraising

\$21M Series A in
September 2025

Accel

BainCapital
VENTURES

Polars Open Source Star Count (36K+)



Users of Polars Open Source Offering

CapitalOne

appian

NETFLIX

and more ...