Data Innovation with Control:
Snowflake and Pyramid Working Together

The most successful companies in the world are data driven. In the era of data, machine learning, and AI organizations need to become data-empowered to remain competitive or risk becoming digital dinosaurs.

As data expands and becomes less structured, organizations can no longer rely exclusively on traditional databases and data warehouses, nor can they rely on legacy or self-service analytics and business intelligence tools to query this data. Recognizing this challenge is easy. Doing something about it is the hard part.

When it comes to database technologies, speed, concurrency, and simplicity matter. That's why Snowflake has become one of the leading cloud data technologies on the market today. To harness the power of Snowflake, many modern analytic and business intelligence platforms describe the ease with which they can connect to your Snowflake environment.

Yet configuring the environments are more difficult than anticipated, and connection issues persist—in some cases you cannot connect to your Snowflake data at all.

In a sea of hype, Pyramid's Analytics OS represents the ideal complement to Snowflake's high-performing database technology, especially in enterprise environments that have combination of legacy and next-generation infrastructure running on premises, in the cloud, or in hybrid environments. Pyramid can directly query Snowflake without transferring data to perform "in-place" analytics, or write back custom models to SnowFlake, ensuring all analytic data is kept in one place.

Why Pyramid and Snowflake?

Making the Sophisticated Simple

Drag-and-drop data preparation, analytics and Machine Learning

Rapid Deployment & Configuration

Pyramid promotes rapid deployment and configuration with Snowflake environments

Balanced Governance & Self-Service

Sophisticated browser based self-service analytics with central management and security

Scalability & High Uptime

Multi-tenant, enterprise-grade server architecture, yet simple installation for on-premises and cloud deployment

Total Cost of Ownership
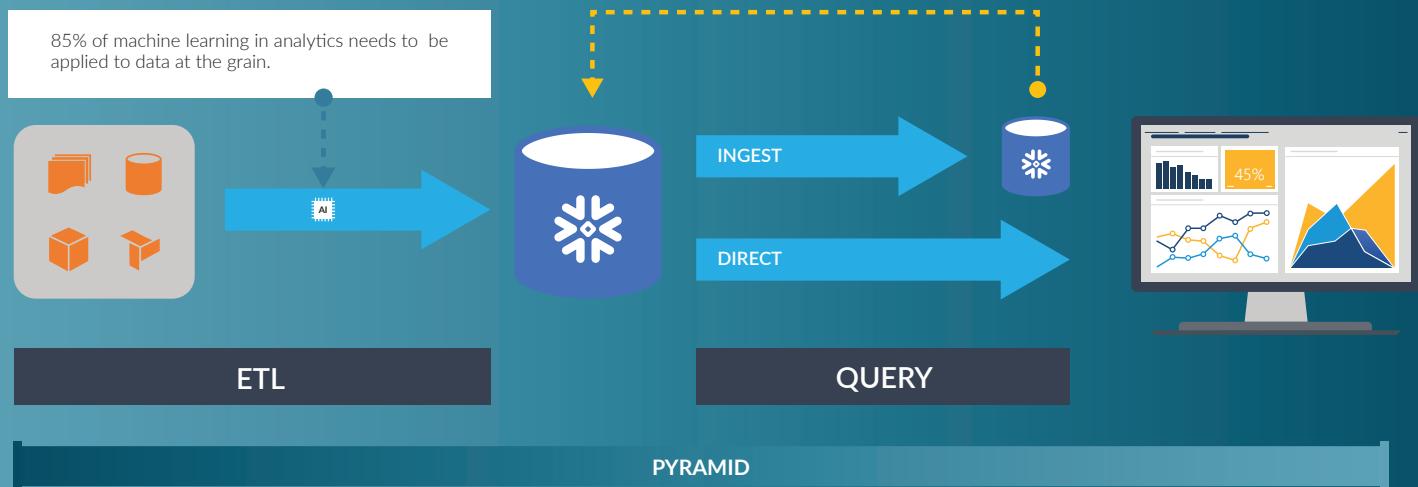
Highly competitive licensing for integrated end to end analytics

Snowflake and Pyramid: Better Together

The internal query and calculation engine in the Analytics OS™ offers one of the fastest analytic engines in the market. While Pyramid includes its own high-performance in-memory engine, customers can choose to use SnowFlake to store custom data models, leveraging existing data technology investments. Pyramid also can use Direct Query into SnowFlake databases to perform "In Place" analytics.

Universal Query & Data Stack

85% of machine learning in analytics needs to be applied to data at the grain.

AI

INGEST

DIRECT

ETL

QUERY

PYRAMID

Experience Analytics at Scale

Pyramid provides in-depth Machine Learning algorithms that may be applied to raw data while loading into SnowFlake, or applied at aggregate levels for analysis, while keeping all analytic data in a single data management platform. Ingested data from multiple sources, blended with SnowFlake sourced data, can be written to and managed in the SnowFlake platform.

Connecting to and managing the SnowFlake platform is simple, easy and quick. There are no special tables to create, nor complex joins to define. Pyramid simply snaps onto your SnowFlake server which becomes instantly available for analytics.

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Avi Perez, Pyramid CTO

What is the Analytics OS?

The Analytics OS™ delivers a deep, robust set of functionalities through a singular multi-tiered, server-based application. Designed to scale to hundreds of thousands of users, the platform's modern architecture is designed with cutting edge technologies that are in tune with current technology trends.

The web-based, desktop-like HTML5 client is designed for end-users and administrators—functioning on any device or operating system with full gesture support. All apps are designed around a "no-code" model, ensuring that every analytic function does not require code-based development.

Analytics OS Modules

Model
Prepare data, deploy machine learning, and build data models.

Present
Design presentations and analytic applications with your content.

Administration
Control every aspect of your Analytics OS environment.

Discover
Interact with data models and make new data discoveries.

Publish
Build publications and reports to tell compelling analytic stories.

CMS
Access analytic content from a centralized location.

Formulate
Define and reuse calculations, KPIs, and scripts.

Illustrate
Create data-driven graphics, text, and visual elements.
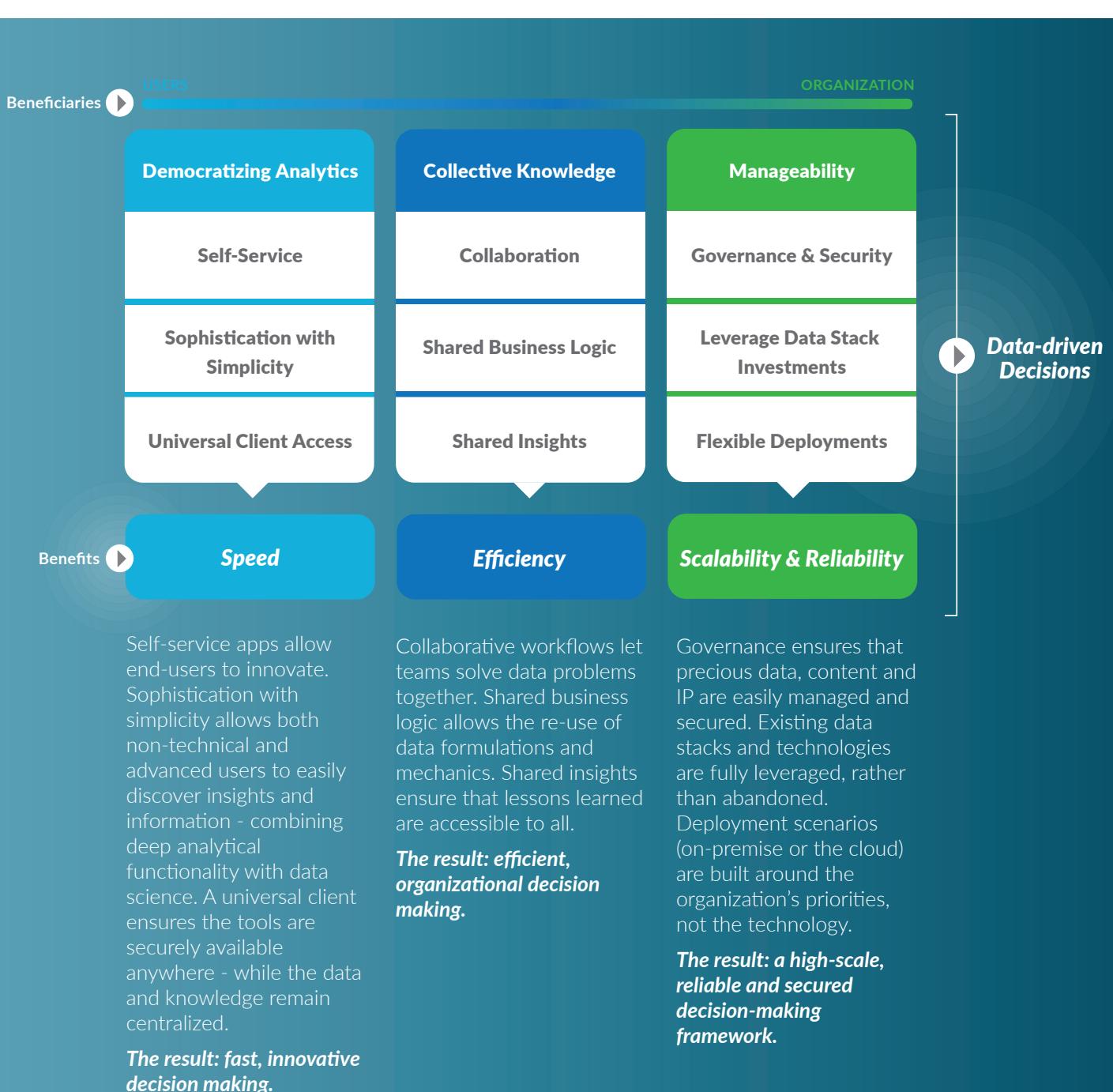
Embed
Modern, HTML5 content embedding and APIs for custom applications and OEMs.

Scalable Server Architecture

Administratively, the Analytics OS™ offers complete control and governance of the entire platform from the web-based console. This extends to user, content and data security; performance configurations, monitoring, device and system management. The Java-based multi-tiered server is designed to scale up and out in a cluster configuration, to meet any load demand.

Why Choose an Analytics OS?

The Analytics OS™ is a powerful framework for enterprise analytics that goes well beyond the tip of the 'analytics iceberg'. It is designed around three central tenants of data-driven organizations—Democratized Analytics, Collective Knowledge, and Manageability—delivering the operational workflows and technology stack to facilitate data-oriented cultures, programs and initiatives.

Beneficiaries

USERS — ORGANIZATION

Democratizing Analytics	Collective Knowledge	Manageability
Self-Service	Collaboration	Governance & Security
Sophistication with Simplicity	Shared Business Logic	Leverage Data Stack Investments
Universal Client Access	Shared Insights	Flexible Deployments

Data-driven Decisions

Benefits

Speed	*Efficiency*	*Scalability & Reliability*

Self-service apps allow end-users to innovate. Sophistication with simplicity allows both non-technical and advanced users to easily discover insights and information - combining deep analytical functionality with data science. A universal client ensures the tools are securely available anywhere - while the data and knowledge remain centralized.

The result: fast, innovative decision making.

Collaborative workflows let teams solve data problems together. Shared business logic allows the re-use of data formulations and mechanics. Shared insights ensure that lessons learned are accessible to all.

The result: efficient, organizational decision making.

Governance ensures that precious data, content and IP are easily managed and secured. Existing data stacks and technologies are fully leveraged, rather than abandoned. Deployment scenarios (on-premise or the cloud) are built around the organization's priorities, not the technology.

The result: a high-scale, reliable and secured decision-making framework.

Helping organizations become data driven

Hundreds of enterprise customers with over a million users have deployed Pyramid to bring data-driven decisions to their organizations. Now, more leading companies are trusting Snowflake and Pyramid for their data and analytics.