

# Cloud BI Acceleration

Powered by Smart OLAP™



## BI ACCELERATION PLATFORM BUILT FOR THE CLOUD

Kyvos is the world's fastest and most powerful BI acceleration platform that helps users query trillions of rows of data in seconds. By combining performance with elasticity, Kyvos enables you to scale out your BI while saving costs and without compromising on performance.



Any Data Size



Any BI Tool



Instant Insights



Cloud Native

## UNMATCHED PERFORMANCE

Query trillions of rows in sub-seconds.. Interact with your data like never before. Roll up, drill down, slice and dice in seconds. Enable concurrent access to thousands of users with high performance for both warm and cold queries to produce a truly enterprise-class experience.

## SMART OLAP™ TECHNOLOGY

Deal with the scale and complexity of today's data with our disruptive OLAP technology. Advanced algorithms enable aggregations on huge cardinality and massive volumes, and ML-powered Smart Recommendation Engine™ brings in the intelligence required to build smarter aggregates on modern data platforms.

## SMART SEMANTIC LAYER™

Define all your metadata and business logic in one place and create a unified data view for users across the enterprise. Translate complex business use cases into accurate data models with advanced data modeling features.

## USE YOUR FAVORITE BI TOOLS

Visualize data using your existing BI tools with instant response times. Kyvos supports all major BI tools, including Tableau, MicroStrategy, Excel, Looker, Business Objects, Cognos, Power BI, Spotfire, and, as well as data science engines like R and Python.

## SAVE COSTS WITH ELASTIC BI

Reduce querying costs without compromising on performance with our build-once-query-limitlessly approach. You can deal with varying loads and cut down costs further with our scheduled autoscaling feature.

## SCALE-OUT ARCHITECTURE

Active-active load balancing helps you scale deployment for thousands of users across the enterprise. Kyvos delivers near-linear scalability with minimal degradation as new users are added, while providing enterprise-class high availability.

## KEY FEATURES



### SIMPLE AND POWERFUL CUBE DESIGN

Intuitive drag and drop UI for data modeling and cube designing.

ML-powered Smart Recommendation Engine™ to build intelligent aggregates automatically.

Support for recursive, unbalanced, ragged, and alternate hierarchies, as well as custom rollups.

Accurate distinct count on billions of transactions. Provision for many-to-many relationships.

Scheduled and automated incremental builds. Sliding window for automated data truncation during builds.

Cube design modifications without the need to rebuild.



### SUPPORT FOR ALL MODERN DATA PLATFORMS

Native support for all cloud platforms including Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform.

Support for Cloud Data Warehouses such as Snowflake, Amazon Redshift, Google BigQuery, & Databricks' Delta Lake.

Support for the latest releases of Cloudera.



### OPTIMIZED PERFORMANCE AT MASSIVE SCALE

Scale-out querying to support multiple groups and users.

Intelligent multi-level caching based on query patterns/usage.

Segmentation feature enables dedicated query engines for mission critical functions.

Querying and drill through on raw data using Presto & Hive.



### EASY TO DEPLOY AND MANAGE

Automated wizard and template-based deployment on cloud.

Built-in validation framework for system sanity check on deployment.

SSAS migration utility for quick onboarding.

Scheduled autoscaling on cloud for resource optimization.

No data movement or additional infrastructure needed for storing cubes.

Automatic health monitoring and management of all Kyvos components.

Consolidated dashboard to monitor resource consumption.



### INTEGRATE WITH BI AND DATA SCIENCE TOOLS

Connect visualization and analytics tools to Kyvos cubes with industry standard connectors and APIs.

- |                              |                 |            |
|------------------------------|-----------------|------------|
| • Tableau                    | • MicroStrategy | • Looker   |
| • BusinessObjects            | • Power BI      | • Spotfire |
| • Excel and Excel PowerPivot | • Python        | • Cognos   |
|                              | • R             |            |

Open API and Library Connectivity using SQL or MDX, JAVA and REST APIs, or existing libraries like OLAP4j or Python's OLAP.XMLA. Advanced plugin for Excel with high-end visualization capabilities. Custom connectors for Tableau, MicroStrategy, and Power BI.



### ENTERPRISE SECURITY FRAMEWORK

SOC2 Compliant.

Granular access control with row and column level security, role-based access control, and personal access token-based authentication.

Active directory integration with support for multiple LDAP accounts.

TLS encryption with mutual authentication for all internal communication.

SSO through providers such as Okta, SiteMinder using OIDC (OAuth 2.0 protocol).

Integration with enterprise security protocols like Knox, Ranger, Sentry, and Kerberos, as well as custom APIs.

Azure Key Vault (with AES encryption) and AWS Secrets Manager support for storing sensitive information.



### KYVOS VISUALIZATION TOOL

Native visualization layer with an intuitive drag-and-drop interface for self-service analytics.

Extensive library of charts including bar, line, GIS, heat map, treemap, and other advanced visualizations.

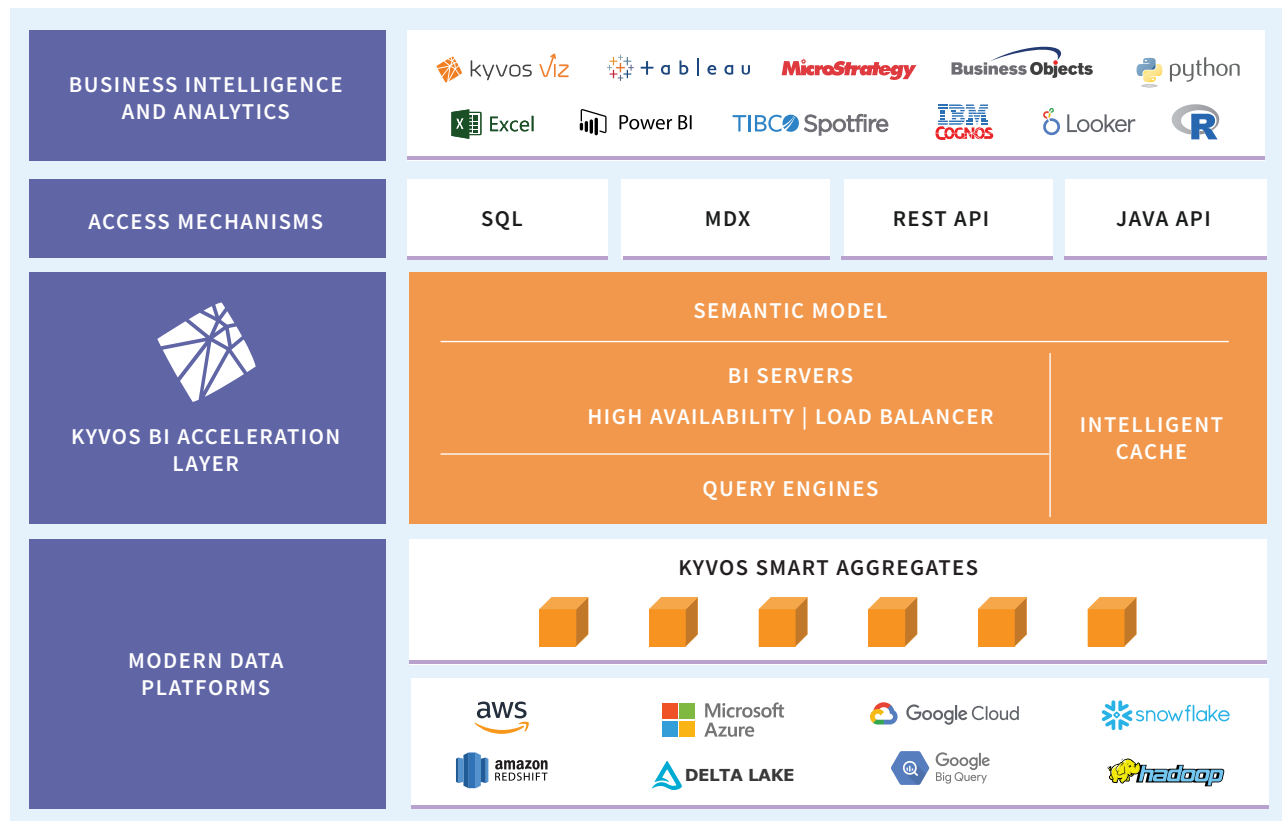
Built-in support for cohort analysis on massive datasets.

Auto-visualization feature to automatically choose the correct visualization based on the type of data that is being loaded.

Ability to create custom visualizations using industry standard, D3.js.

Support for export and sharing of worksheets and dashboards for enterprise-wide collaboration.

# Cloud-Native Architecture for Unlimited Scalability



Kyvos is a cloud BI acceleration platform that enables users to visualize, explore, and analyze massive datasets on the cloud with sub-second response times using any BI tool they like. The company's cloud-native Smart OLAP™ technology helps enterprises scale their BI to trillions of rows of data while saving costs and without compromising performance. Headquartered in Los Gatos, California, Kyvos Insights was formed by a team of veterans from Yahoo!, Impetus, and Intellicus Technologies.

FOR MORE INFORMATION:

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