Accelerate Your BI on Trillions of Rows

Semantic Layer Powered by Smart OLAP™ Technology

CLOUD | ON-PREMISES

Revolutionize your analytics with the world’s fastest and most scalable BI acceleration platform. Our Smart OLAP™ technology helps your users query trillions of rows of data in seconds and uncover insights that were simply impossible before. By combining performance with elasticity, Kyvos helps you scale out your business intelligence while saving costs, without compromising on performance.
**BI ACCELERATION LAYER**

- Smart OLAP™ for unlimited scalability
- High-performing Universal Semantic Layer
- ML-powered Smart Recommendation Engine for smarter aggregates
- Incremental data refresh
- Support for recursive, unbalanced, ragged, and alternate hierarchies, as well as custom rollups
- Support for accurate and approximate distinct count
- Visual and code-free data preparation
- Support for all BI and analytics tools
- Enterprise-level security

**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.

**UNIVERSAL 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.

**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.

**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.

**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, Qlik, Excel, Looker, Business Objects, Cognos, Power BI, Spotfire, and, as well as data science engines like R and Python.

**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
Define relationships between datasets with simple drag and drop designer.
Build intelligent aggregates with Machine learning-powered Smart Recommendation Engine.
Support for recursive, unbalanced, ragged, and alternate hierarchies, as well as custom rollups.
Support for scheduled and automated incremental cube builds.
Automated sliding window allows for data truncation as part of the build process.
Intelligent resource monitor helps optimize resource usage.

DELIVERING OPTIMIZED PERFORMANCE AT MASSIVE SCALE
Scale-out querying capabilities to support multiple groups and users.
Segmentation feature enables dedicated query engines for mission critical functions.
Superior performance with advanced caching features such as auto-population, purge, and repopulation.
Intelligent multi-level caching based on query patterns and usage.
Allows querying and drill through on raw data using Presto and Hive.

SECURITY FRAMEWORK
Support for role, group, and user-based access control.
Integrates with enterprise security systems like Knox, Ranger, and Sentry, as well as custom APIs.
Kerberos authentication and support for multiple LDAP accounts.
End to end encryption for all authentication-related information throughout the cluster.
Granular access control at the object level with column and row level security built into system.
Integration with enterprise single sign-on tools such as SiteMinder and Okta.

INTEGRATE WITH BI AND DATA SCIENCE TOOLS
Connect visualization and analytics tools to Kyvos cubes with industry standard connectors and APIs.
- Tableau
- MicroStrategy
- Power BI
- Looker
- BusinessObjects
- Qlik
- Excel and Excel PowerPivot
- Python
- Spotfire
- R
- Cognos

Open API and Library Connectivity using SQL or MDX queries, full JAVA and REST APIs, or existing libraries like OLAP4j or Python's OLAP.XMLA. Custom connectors for Tableau and Power BI.

SUPPORT FOR ALL MODERN DATA PLATFORMS
Installs on clusters located in the cloud, on-premise, or in hybrid environments.
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, and Google BigQuery.
Support for the latest releases of Cloudera, MapR, as well as Apache Hadoop.

EASY TO DEPLOY AND MANAGE
Scheduled up and down-sizing of resources in cloud deployments.
No data movement or additional infrastructure costs as Kyvos leverages cloud storage or on-premise platforms for storing cubes.
Automated deployment of the Kyvos BI server and query engines from a single edge node using Kyvos Manager.
Built-in monitoring and management of all Kyvos components from a single console.
Wizard and template based installation for AWS and Azure.

KYVOS VISUALIZATION TOOL
Interactive multi-dimensional analytics on massive data. Slice and dice, drill down, and explore data through interactive charts and dashboards using a rich set of visualizations.
Create your own custom visualizations with D3 and our Custom Visualization Framework.
Export worksheets, dashboards, and visualizations as an image, pdf, or a comma-separated file.
Kyvos is the world’s fastest and most scalable BI acceleration platform that revolutionizes analytics on the cloud and on-premise platforms. Our Smart OLAP™ technology helps users query trillions of rows of data in seconds and uncover insights that were simply impossible before. By combining performance with elasticity, Kyvos helps enterprises scale out their business intelligence while saving costs, without compromising on performance. Headquartered in Los Gatos, California, Kyvos Insights was formed by a team of veterans from Yahoo!, Impetus, and Intelicus Technologies.

FOR MORE INFORMATION:

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