Qubole®

Discover the Autonomous Data Platform

That lets you focus on outcomes, not the technology

Too often, complexities get in the way of your big data aspirations. Projects take longer and require bigger teams than expected, and often fail to deliver meaningful insights.

Data platforms should self-manage and self-optimize, freeing the data team from the day-to-day minutiae of managing their big data infrastructure and allowing it to scale its potential, without growing headcount. And, that's exactly what Qubole has built with the first ever autonomous data platform.

Why Data Driven Companies Choose Qubole

BUILT FOR EVERYONE WHO USES DATA

Data Engineers | Data Ops | Analytics
Data Scientists

WORKS THE WAY YOU DO

Notebooks | BI Integrations | REST API |
ODBC/JDBC

SINGLE PLATFORM FOR ANY USE CASE

ETL/Reporting | Ad Hoc Queries |
Machine Learning | More

OPEN SOURCE ENGINES, OPTIMIZED FOR THE CLOUD

Spark | Hadoop | Presto | More

CLOUD NATIVE CLOUD OPTIMIZED CLOUD AGNOSTIC

Amazon AWS | Oracle BMC |
Microsoft Azure | Google Cloud

Qubole's Autonomous Data Platform

Leveraging big data is no longer a luxury. It's necessary for survival. The question is how, when the hurdles—complexity, scalability, speed, cost, reliability, expertise—are many. The answer is the world's first Autonomous Data Platform where metadata talks back and gives back.

Qubole's Autonomous Data Platform self-manages and self-optimizes by sending Alerts, Insights and Recommendations (AIR) and allows your data team to set specific data policies and preferences via Cloud Agents.

Monitoring Insights	Alerts	AI Recommendations	AI Automation
Infrastructure • Cluster • Node • CPU • Memory • Disk	**Simple Alerts** Rule Based	**Data Discovery** Suggestions Auto-complete	**Data Modeling**
Platform Data Platform　Executive Engine	**Smart Alerts** Intelligence Based	**Data Modeling** • Models (partitions, normalization sorting etc) • Formats (columnar, compression	**Compute Engine** • Choice • Config Mgmt
Application ETL　SQL ML　Reporting	**Predictive Alerts** ML Based		**Cluster Concierge** • Auto Scaling • Spot Bidding • Heterogeneous
			Data Tiering • Policy • Usage • Tennent

AIR

Using a combination of heuristics and machine learning, AIR provides actionable alerts, insights and recommendations to ensure:

Workload continuity

Low reliance on Cloud resources

High performance

Greater cost savings

By automating lower-level, repetitive tasks, your engineering team can be less reactive to problems and more focused on directing better business outcomes. With AIR, QDS constantly analyzes metadata about infrastructure (cluster, nodes, CPU, memory, disk), platforms (data models and compute engines) and applications (SQL, reporting, ETL, machine learning) so you can better understand performance, usage patterns and Cloud spend.

Agents

Cloud Agents perform actions determined by the data team. These typically include:

Executing automated tasks, based on a policy or configuration

Bundling specific low-level features

Learning based on individual, company and system-wide behavior

Cloud Agents are valuable to a data team because they:

Minimize resources consumed

Reduce costs

Automate repetitive, low-level activities

Increase productivity

Reduce custom development

WORKLOAD AWARE AUTO SCALING AGENT

Predictively manages cluster compute/storage size in real-time Estimated Cost Savings:

40%

SPOT SHOPPER AGENT

Shops for compute resources with optimal combination of price / performance / availability (AWS Only) Estimated Cost Savings:

80-90%

DATA CACHING AGENT

Improves performance between cloud object store and compute

Qubole Products

Whether your project entails migrating from an on-premise big-data platform, adding autonomous data management capabilities to your existing cloud solution, or creating a new big-data enabled application, Qubole offers a combination of pricing packages designed to simplify your budgeting, avoid cost overruns and maximize the return on your investments.

Learn more at www.qubole.com

Qubole Data Service (QDS) Enterprise Edition

- Full scale platform replaces QDS
- Includes new Alerts, Insights and recommendations (AIR) features

Qubole Cloud Agents

- Add-on to Enterprise
- Includes Agents which automate/act and learn
- Reduces cost per resource, reduces resource requirements, improves productivity via automation

About Qubole

Qubole is passionate about making data-driven insights easily accessible to anyone. Qubole customers currently process nearly an exabyte of data every month, making us the leading cloud-agnostic big-data-as-a-service provider. Customers have chosen Qubole because we created the industry's first autonomous data platform. This cloud-based data platform self-manages, self-optimizes and learns to improve automatically and as a result delivers unbeatable agility, flexibility, and TCO. Qubole customers focus on their data, not their data platform. Qubole investors include CRV, Lightspeed Venture Partners, Norwest Venture Partners and IVP. For more information visit www.qubole.com