Cloudian HyperIQ

An Observability and Analytics Solution for Cloudian Storage Infrastructure

Going beyond conventional monitoring and reporting with Cloudian HyperIQ

Get dynamic insights across your distributed infrastructure encompassing hundreds or thousands of interconnected users, applications, network connections and storage devices to improve observability and track usage to make informed decisions. Improve supportability and corporate policy enforcement through predictive analytics to relieve burden of infrastructure management.

Complexity of modern infrastructure and legacy hands-on approach to infrastructure management puts undue burden on IT team for infrastructure management. HyperIQ transforms how modern cloud-like infrastructure like Cloudian HyperStore is managed and supported on-premise.

HyperIQ provides IT administrators with data and actionable insights to monitor your HyperStore cluster, respond to system-wide performance changes, optimize resource utilization, and get a unified view of operational health. HyperIQ collects monitoring and operational data form logs, system metrics, and events, providing you with a unified view of user and system resource activity. You can use HyperIQ to detect anomalous behavior in your environments, set alarms, visualize data and metrics side by side, take actions, troubleshoot issues, and discover insights to keep your infrastructure running smoothly.

KEY BENEFITS

Intelligent Monitoring
- Reduce administrative overhead
- Lower operational cost

Predictive Maintenance
- Actionable intelligence
- Minimize outages and disruptions

Advanced User Analytics
- Manage data lifecycle
- Detect usage anomalies
- Enforce compliance policies

HyperIQ Features and Capabilities

Intelligent Monitoring
Complete observability with real-time interactive dashboards and historical data that include the ability to slice and dice resource utilization by data center, node, services and more.

Customizable Dashboards
In addition to pre-configured dashboards, flexibility to build one's own dashboards from over 100 available data panels and drill into user or storage data at a more granular level.

Predictive Maintenance
Proactive alerts for predicting hardware failures, assessing maintenance needs, and avoiding performance impacts.

User Behavior Analytics
Monitor user activities provide insights into usage patterns such as uploads/downloads, API usage, S3 transactions, request sizes and HTTP response codes and enforce security and compliance policies.

Anomaly Detection
Identification of trends and faults so that rectifying action can be taken, such as creating support cases, triggering repairs or making other corrective actions to ensure optimal operations.

Custom Notifications
Custom alerts for more proactive monitoring of applications and flexibility to integrate with multiple notification channels such as Slack, OpsGenie, Kafka and PagerDuty.
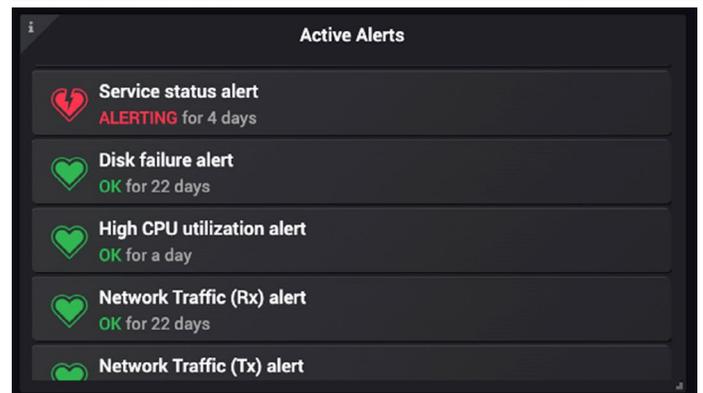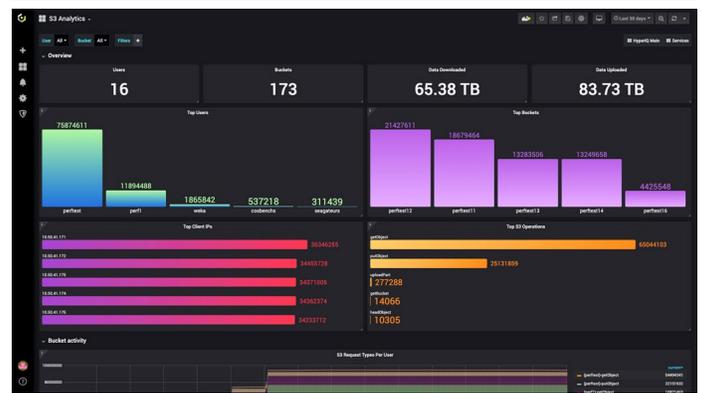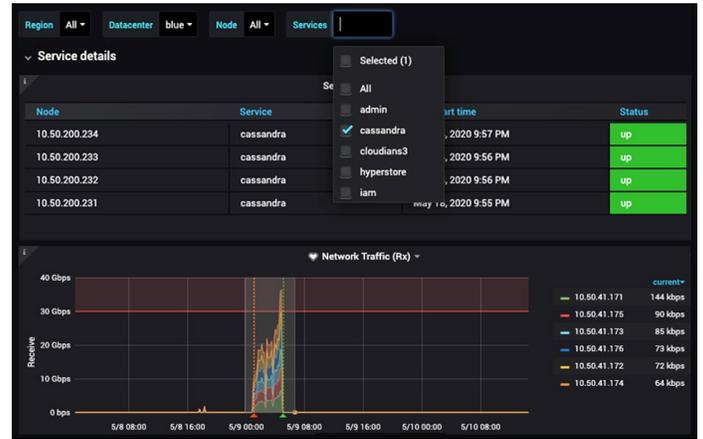
Customer Health Checks
Personalized monthly health checks with actionable plans based on trends and analysis from the customer's Cloudian infrastructure as well as analytics from global learning across Cloudian's install base.

System Requirements
HyperIQ is deployed as a standalone VM within your firewall. The recommended system requirements for HyperIQ virtual machine are:

- 2 cores
- 8GB RAM
- 32GB Disk for OS (Ubuntu Linux 64-bit)
- 128GB Disk for data