

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, whether you have tens or hundreds or thousands of interconnected users, applications, network connections and storage devices. Improve observability of your Cloudian environment and track usage to make informed decisions. Improve supportability and corporate policy enforcement through predictive analytics to relieve the burden of infrastructure management.



The complexity of modern infrastructure and the legacy hands-on approach to infrastructure management put an undue infrastructure management burden on the IT team. HyperIQ transforms how modern cloud-like infrastructure like Cloudian HyperStore is managed and supported on-premises.

HyperIQ provides IT administrators with data and actionable insights to monitor their HyperStore cluster, whether they are using traditional HyperStore or HyperStore for Containers, and respond to system-wide performance changes, optimize resource utilization, and get a unified view of operational health. HyperIQ collects monitoring and operational data from 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, including users repeatedly attempting to unlock ransomware protected objects locked with Object Lock. Additionally, you can set alarms, visualize data and metrics side by side, take actions, troubleshoot issues, and discover insights to keep your infrastructure running smoothly.

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, HyperIQ allows 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.

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 Basic

Included with HyperStore license:

- Real-time dynamic dashboards and alerts
- Application and services monitoring
- Performance monitoring: Network, Disk, and System resources
- Capacity and usage trends

HyperIQ Enterprise

All HyperIQ Basic features, plus:

- User behavior analytics
- Predictive maintenance
- Compliance aid and enforcement
- Enhanced security analysis such as analyzing accesses to locked objects
- Cross Region Replication (CRR) metrics
- Per bucket usage statistics and bucket protection policy info

Predictive Maintenance

Proactive alerts for predicting hardware failures or additional storage needs, assessing maintenance needs, and avoiding performance impacts.

User Behavior Analytics

Monitor user activities to get insights into usage patterns such as uploads/downloads, API usage, S3 transactions, Object Lock access, request sizes, and HTTP response codes. This visibility can help you 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 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 your Cloudfian infrastructure, as well as analytics from global learning across Cloudfian's install base.

System Requirements

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

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

