

XaasIO Observability Suite

Full-Stack Visibility for Modern, Complex Environments

EXECUTIVE SUMMARY

In a world of distributed microservices, dynamic infrastructure, and multiple clouds, traditional monitoring is not enough. You need deep observability—the ability to understand the state of your systems through their external outputs.

The XaasIO Observability Suite provides exactly that. It is a unified platform that ingests, correlates, and analyzes metrics, logs, and traces to provide actionable insights across your entire application and infrastructure stack. From proactive performance management to rapid troubleshooting and compliance auditing, the XaasIO Observability Suite turns data into intelligence, ensuring reliability and performance for your most critical services.

XaasIO MLT (Monitoring, Logging, and Telemetry)

The XaasIO MLT framework forms the core of the Observability Suite, enabling

AT A GLANCE: KEY CAPABILITIES

- **Unified Metrics, Logs & Traces:** Correlate data from any source into a single pane of glass.
- **Powerful Analytics & AIOps:** Leverage machine learning for anomaly detection and intelligent alerting.
- **Multi-Tenant Dashboards & Reporting:** Provide tailored insights for operators, developers, and tenants.
- **Scalable & Secure:** Built-in multi-tenancy and massive scalability for enterprise workloads.
- **Seamless Integration:** API-driven platform that fits into your existing toolchain.

CORE FEATURES & BENEFITS

1. Unified Monitoring & Intelligence

Gain real-time and historical insight into the health and performance of everything you run.

- **Infrastructure Monitoring:** Comprehensive monitoring of virtual machines, containers, hosts, networks, and storage from on-premises to cloud.
- **Application Performance Monitoring (APM):** Automatically discover application services, map dependencies, and trace requests across distributed systems to pinpoint bottlenecks.
- **Dynamic Dashboards:** Create highly customizable, interactive dashboards with a versatile library of visualizations. Tenant-aware dashboards provide customized views and reports for different business units or customers.
- **Customizable Reporting:** Generate and schedule detailed reports on performance, utilization, and availability. Export data in PDF, CSV, and XLS formats for further analysis.

2. Centralized Log Management & Analytics

enterprises to achieve unified visibility, faster troubleshooting, and intelligent insights across dynamic IT environments. By combining monitoring, logging, and telemetry into a single platform, XaaSIO ensures end-to-end observability across applications, infrastructure, and services.

Monitoring

- Provides real-time dashboards to track system health, application performance, and infrastructure utilization.
- Supports customizable views for operators, developers, and business units.
- Delivers alerting and anomaly detection to identify issues before they impact services.
- Enables trend analysis and capacity planning through historical data insights.

Logging

- Collects and centralizes logs from applications, containers, platforms, and network devices.
- Ensures high-speed indexing and search for rapid root cause analysis.

Troubleshoot faster and enhance your security posture by unifying all machine data.

- **Log Aggregation:** Ingest and centralize logs from applications, operating systems, network devices, and cloud platforms into a secure, scalable repository.
- **Powerful Search & Analytics:** Quickly parse, index, and analyze terabytes of log data with advanced querying to find the root cause of issues in seconds.
- **Audit & Compliance Ready:** Maintain immutable audit trails of user activity and system changes. Implement flexible data retention and archival policies to meet regulatory requirements.

3. Intelligent Alerting & Automation

Move from reactive firefighting to proactive incident prevention.

- **Smart Alerting:** Reduce noise with alerts based on dynamic thresholds and machine learning-powered anomaly detection, not just static rules.
- **Event Correlation:** Automatically group related alerts from metrics and logs into single, actionable incidents, dramatically reducing MTTR.
- **Automated Actions:** Trigger automated runbooks or notify integrated ITSM tools (e.g., ServiceNow) to kick off remediation workflows without manual intervention.

4. Enterprise Architecture

Built to meet the demands of the largest and most complex organizations.

- **Massive Scalability:** Horizontally scalable architecture designed to handle millions of metrics and log events per second.
- **Secure Multi-Tenancy:** Ensure complete data isolation between tenants with role-based access controls tailored to different user personas (Admin, User, Monitor).
- **Flexible Deployment:** Deploy as an all-in-one appliance or as a distributed, scalable cluster across on-premises and cloud environments.

- Maintains secure, compliant audit trails with flexible retention policies.
- Transforms raw log data into actionable intelligence with advanced analytics.

Telemetry

- Captures metrics, events, and traces across distributed and microservices-based environments.
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- Correlates telemetry with logs and monitoring metrics for holistic root cause analysis.

TECHNICAL SPECIFICATIONS

Category	Details
Data Types	Metrics, Logs, traces, Events
Data Collection	Integrated Agents, API Ingestion, SNMP, WMI, IPMI, Cloud APIs
Deployment	All-in-One Virtual Appliance, Scalable Distributed Cluster
Integration	REST API, Webhooks, Pre-built connectors for ITSM and messaging platforms
Security & Compliance	RBAC, LDAP/AD/SAML Integration, Data Encryption (TLS/at-rest), Audit Logging

BENEFITS OF XAASIO MLT

- **Unified Observability:** Single-pane-of-glass visibility across monitoring, logging, and telemetry.
- **Proactive Operations:** Intelligent alerting and anomaly detection reduce downtime and MTTR.
- **Enterprise Scale:** Designed to handle millions of events per second across hybrid and multi-cloud environments.

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