

VMware Aria Operations for Logs

For Google Cloud VMware Engine

At a glance

- Move VMware workloads seamlessly to Google Cloud with lower risk, and leverage direct access to Google Cloud services to unlock business insights.
- Manage data at scale with centralized log management, deep operational visibility, and intelligent analytics for troubleshooting and auditing across environments.
- Collect and analyze audit, operations and security logs.
- Correlate events and gain visibility across on-premises and Google Cloud VMware Engine environments.

VMware Aria Operations™ for Logs (formerly VMware vRealize® Log Insight™) offers IT teams unified visibility across private, hybrid and native public clouds by adding structure to unstructured log data, providing intuitive dashboards, and leveraging machine learning for faster troubleshooting. With VMware Aria Operations for Logs, you can maintain consistent operations and unified visibility when moving or extending your on-premises VMware environments to Google Cloud VMware Engine, and reduce your troubleshooting times across on-premises and Google Cloud environments.

Typical challenges

Machine-generated data continues to increase exponentially, and it's become overly complicated to make any sense of it. As organizations move or extend to the public cloud, traditional log management tools leave challenges that aren't suitable for hybrid environments, such as:

- Log visibility – Lack of unified visibility to log streams across private, hybrid and native public cloud environments
- Ineffective tools – Ineffective monitoring and troubleshooting tools that can't handle the complexity of today's cloud environments
- Log collection and analytics – Difficulty correlating logs across third-party, VMware, and Google Cloud VMware Engine environments

The solution: VMware Aria Operations for Logs with Google Cloud VMware Engine

Achieve lower operating expenses and higher operational efficiency, from significant reduction in troubleshooting times to improved mean time to resolution, reduced manual effort, and automated alerts to prevent outages and downtime.

Quicker time to value

Get quick time to value with out-of-the-box log collection and analytics for Google Cloud VMware Engine private clouds, combined with efficient and intuitive dashboards.

Increased productivity

Automatically collect and organize information via centralized log management, allowing IT teams more time to focus on strategic tasks.

Cost savings

Enable search by utilizing innovative indexing and machine learning, which supports faster end-to-end troubleshooting.

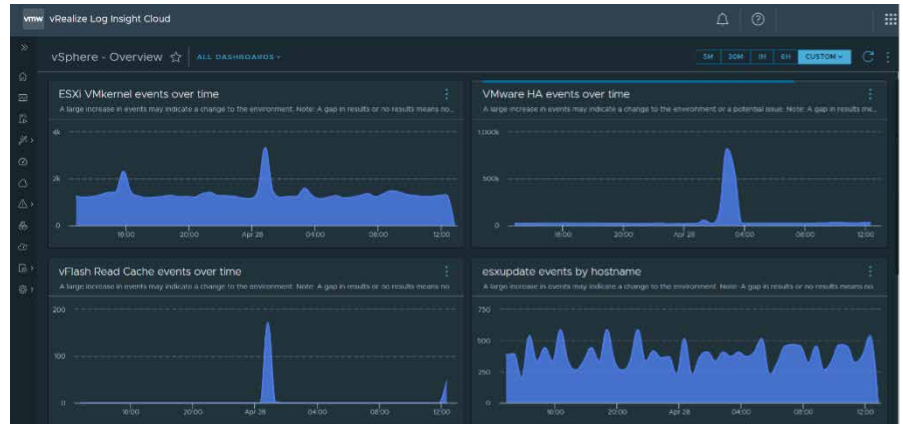


Figure 1: Event observations in VMware Aria Operations for Logs.

Key capabilities

- Quickly understand the health of your environment by identifying anomalies across infrastructure and applications.
- Utilize out-of-the-box dashboards for VMware software-defined data center (SDDC) technologies—such as VMware vCenter®, VMware NSX®, and VMware vSAN™—as well as robust log aggregation and analytics to accelerate troubleshooting.
- Ingest logs in a secure and efficient manner, and deliver sophisticated analytics.
- Leverage enterprise-class scalability designed to handle all kinds of machine-generated data while delivering near-real-time monitoring.

Google Cloud VMware Engine

VMware Aria Operations for Logs supports multi-cloud environments and can provide benefits for Google Cloud VMware Engine and public clouds, including Google Cloud Platform.

Google Cloud VMware Engine is a native Google Cloud service that enables deploying and running VMware applications in Google Cloud. The service is a VMware-verified, Google-managed cloud service that includes familiar enterprise-grade VMware compute, storage and network virtualization products (VMware vSphere®, vSAN, and NSX) plus vCenter management. It runs on dedicated, elastic Google Cloud bare-metal infrastructure with integrated, resilient networking for fast and easy adoption of Google Cloud without changes to applications, tools or processes.

Google Cloud VMware Engine provides rapid node deployment on demand in less than an hour, saves time, reduces costs, and eliminates much of the complexity and risk of moving to the cloud. Innovative networking with simplified regional and global routing, redundant switching, and 100Gbps of dedicated east-west networking with no oversubscription of bandwidth makes Google Cloud VMware Engine an excellent choice for demanding enterprise workloads. With 99.99 percent uptime¹, it can meet the needs of mission-critical applications.

Getting started

VMware Aria Operations for Logs is a log analysis tool for sophisticated analytics and broad third-party extensibility, providing deep operational visibility and faster troubleshooting.

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[Start a SaaS trial](#) of VMware Aria Operations for Logs.

Table 1: Capabilities of VMware Aria Operations for Logs for Google Cloud VMware Engine

Real time	Detect bugs through log data and events in real time.
Run applications better	Monitor, debug and pinpoint where applications and codebase are failing through trends and patterns.
Troubleshoot	Identify root-cause issues, poor performance, and runtime errors in production code.
Machine Learning	Enable automatic event clustering and schema discovery.

Summary

Accelerate cloud transformation with VMware and Google Cloud VMware Engine. Save OpEx, quickly expand capacity, and unlock insights by using VMware Aria Operations for Logs for collecting logs and metrics from Google Cloud VMware Engine environments.

For more information on Google Cloud VMware Engine, visit via.vmw.com/google-cloud.

1. Google. "Google Cloud VMware Engine Service Level Agreement (SLA)." May 2022.