THE CHAOSSEARCH DATA LAKE PLATFORM

Scalable Log Analytics for CloudOps and DevOps teams

CHALLENGE

Log Volume and the Need for Analytics is Overwhelming Cloud Operations Teams

The growth in cloud-native apps and adoption of microservices architectures has resulted in an explosion in log volume. And the variety of log sources and formats in a distributed, microservices architecture has created a new complexity that can make it expensive and difficult to effectively troubleshoot and optimize the health of your cloud infrastructure and services.

Cost vs. Data Retention Trade-Offs

CloudOps teams are often forced to make trade-offs in log retention due to the high cost and unreliability of storing log data at scale. They face the choice of throttling log ingest or shortening retention. In either case, you are constantly reducing visibility and limiting insights to save money.

Containers and Microservices Architectures Complicate Troubleshooting

With the growth of containers and microservices architecture, trimming the number of logs analyzed to reduce costs results in analytical blindspots that exacerbate performance and availability issues. Architects and engineers can't create a complete view of all the data spanning network, core, application, and microservices logs that they need to troubleshoot and optimize cloud services.

Management Overhead & Complexity

An Elasticsearch cluster—whether managed in the cloud or on-premises—becomes brittle at scale and requires active, hands-on administration. Compute and storage are tightly coupled, resulting in cost spikes or failures when log volumes rise (which they always do).

High Storage Costs

Most cloud management and application monitoring tools are designed to act on days of data in near real time, but are not designed to store large volumes of log data for long periods of time. Using them to store months of data becomes costly. In addition, custom JSON file formats can explode database size when flattened for analysis. Keeping fidelity of insights becomes cost-prohibitive.

A BETTER APPROACH TO CLOUD OPERATIONS

Imagine sending all your data to your cloud environment in its native format—no parsing or schema changes required. ChaosSearch indexes all data as - is, without transformation, while auto-detecting native schemas. CloudOps teams can improve log coverage and ensure the stability and agility of cloud applications, infrastructure, and services.

SOLUTION

Scalable Log Analytics for Efficient Cloud Operations

ChaosSearch empowers customers to Know Better™, activating the data lake for analytics. Unlike traditional log management, cloud management, and APM/observability tools, ChaosSearch indexes all log data in your cloud object storage, as-is, without the need for pipelines, data transformation, or data movement. This transforms your cloud object storage into an analytics data lake, making all your data available for analysis.

ChaosSearch complements cloud management solutions with centralized log management that can more efficiently manage growing log volume and provide deeper insights into cloud resource utilization and consumption, container behavior, user activity, network traffic, and much more. Our revolutionary approach supports the cloud environments' scalability and economic advantages so organizations can retain more log data at lower cost and give operations teams the data they need to optimize their cloud services and applications.

CHAOSSEARCH BENEFITS FOR CLOUD OPERATIONS

Eliminate the Cost vs. Retention Trade-Off
Without the need to sacrifice data ingest or retention, ChaosSearch lets you keep more log data from multiple systems in a single repository—your cloud storage. CloudOps, DevOps, and SecOps teams work with the same data to collaborate more effectively, isolate issues faster, and identify trends over time that can impact the business

Optimize Microservices Architecture
Architects and engineers get full visibility across containers and microservices for better data analysis and troubleshooting. ChaosSearch transforms your cloud object storage (Amazon S3, Google Cloud Storage) into a hot analytics platform with no data movement or ETL required. You'll be able to keep more log data from multiple systems in a single repository. All your data is in your cloud object storage for as long as you need—at a fraction of the cost of existing solutions.

Put an End to Management Headaches
ChaosSearch is a fully managed service that eliminates the need to add, deploy, and manage hardware and software. ChaosSearch automatically scales on the fly so you can build your cloud applications and services without worrying about managing your logs. And it's easy to get started. Just land your logs in Amazon S3, connect ChaosSearch, and leverage our published ElasticSearch API / Kibana UI. You eliminate management overhead and reduce costs without making your users change their behavior or the tools they use.

Dramatically Reduce Storage Costs
You can keep all your data in your cloud object storage with a virtually unlimited total capacity. And if you're struggling with analyzing custom JSON files, our JSON Flex capability allows you to store raw JSON and analyze it as if it were structured at different nested levels—with no data explosion, no complex and unwieldy queries, and no lost insights.

"ChaosSearch has been a right-fit solution for us. We have a reliable platform that 'just works' without our intervention or care—with incredible support to back it. This is one of the few products that simultaneously delivers real cost savings with real increases in productivity."

Jason Standiford, CTO, Revinate

ABOUT CHAOSSEARCH

ChaosSearch empowers data-driven businesses like Blackboard, Equifax, and Klarna to Know Better™, delivering data insights at scale while fulfilling the true promise of the data lake. The ChaosSearch Data Lake Platform indexes a customer's cloud data, rendering it fully searchable and enabling data analytics at scale with massive reductions of time, cost and complexity. The Boston-based company raised $40M Series B in December 2020 and is hiring to support its hyper growth.

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