

ESG BUSINESS JUSTIFICATION BRIEF

Coralogix Next-level Observability

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DevOps Must Accelerate to Meet the Scale of Contemporary Cloud Application Environments

Modern business is digital: 59% of organizations surveyed by ESG derive at least some revenue from information-based products and/or services.¹ Today’s application environments fuel operational excellence, support customer retention, and generate revenue.

Therefore, optimizing and accelerating day-to-day DevOps activities must be a top priority. In addition, monitoring, maintaining, and securing the data that those application environments utilize is a key part of the process. However, given the scale and diversity of contemporary applications and their supporting infrastructures, traditional monitoring tools quickly reveal their limitations. This is concerning—especially considering that, according to ESG research:^{2 3}



50% of App Dev/DevOps tool users expect to accelerate their spending on those technologies in 2022.



27% of organizations face problematic skill shortages in the area of App Dev /DevOps.



62% of organizations expect to increase their spending on cloud application security in 2022.

Log data collection and analysis has long been the foundation for creating an application environment that meets service-level agreements, improves user experience, and fuels revenue growth.

Traditional agent-based collection/analysis technologies typically collect, index, and store logs in a centralized data store, and then they analyze them. This serial process quickly becomes resource-intensive as environments scale. Additionally, a tradeoff exists between storage costs and performance of the analysis: Given the massive (and ever-increasing) scale of log data, the time required for analysis creates risk, wastes valuable personnel time, and eats into revenue. Thanks to the rampant pace of development and recent upticks in cloud-native, container-based environments, organizations need to modernize their tools and embrace observability.

Coralogix In-Stream Data Analytics for Observability that Scales

Thankfully, [Coralogix](#) has flipped the script with its in-stream data analytics pipeline. Instead of indexing all data upon ingestion and then running an analysis, the Coralogix platform analyzes the data in-stream. This way, Coralogix enables its users to be far better positioned to keep pace with rapid increases in the scale of log data. Log data storage is optimized, reducing the infrastructure cost burden. For example, users can prioritize log data in real-time, decide how/where they will store it, and how long they will retain it. The entire process is faster, more reliable, more manageable, more accurate, more scalable, and ultimately more cost-effective. Coralogix real-time analysis technology can even improve cloud security with its built-in automated threat detection.

¹ Source: ESG Research Report, [Data Infrastructure Trends: Accelerating IT Operations in the Era of the Distributed Cloud](#), November 2021.

² Source: ESG Research Report, [2022 Technology Spending Intentions Survey](#), November 2021.

³ Source: ESG Complete Survey Results, [2022 Technology Spending Intentions Survey](#), November 2021.

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With Coralogix, you can:

- Leverage a single, centralized platform for monitoring, visualizing, and alerting on all your observability data. Get full data coverage without incurring the unnecessary costs and performance deficits associated with indexing.
- Collect hundreds of sources into a single aggregated view of system health—use the user interface and query language that you are familiar with to accelerate time to value.
- Analyze and monitor logs, metrics, tracing, and security data in the context of your continuous integration/continuous delivery (CI/CD) pipeline.
- Better utilize your data to improve DevOps with an in-stream analytics pipeline that analyzes data in real-time and creates snapshots of the system state for long-term trend analysis.
- Achieve deeper insights and faster troubleshooting by using Coralogix to cluster millions of events down into common patterns/trends.

Why Coralogix?

- Accelerate DevOps with real-time analysis of logs, metrics, tracing, and security data.
- Optimize costs to collect and understand a larger amount of log data to better support your application environment at scale.
- Achieve deeper insights and faster troubleshooting.
- Better secure your cloud-application environment with automated threat detection.
- Query with any syntax to accelerate adoption and improve collaboration.

Because alerting happens so early in the process—and given the extensibility of its alerting mechanism—the Coralogix platform offers the potential for truly proactive insights. You can:

- Receive alerts based on ratios between two queries—for example, to see whether the ratio of errors compared with total requests is increasing.
- Create alerts based on new values if something is happening that you’ve never seen before. This is not possible if you’re only collecting or sampling part of the data. Using Coralogix, you can identify when something new occurs.
- Receive alerts not just when something happened, but if it happened more than usual. Coralogix learns the system’s behavior to improve issue detection and reduce false positives.
- Convert log data to trackable metrics that you can monitor long-term. For example, if you have a payment service and one log field is the transaction amount, you can convert that field into a metric and then track it over the course of a year to see different date-specific patterns, country-specific patterns, etc.

Why AWS Marketplace?



Choose from thousands of solutions



One-click deployment



Pay only for what you use

Coralogix is available on the AWS Marketplace, which is a digital catalog with thousands of software listings from independent software vendors that make it easy to test, buy, and deploy software that runs on AWS. Solutions are available through a wide variety of delivery methods. Other benefits include:

- Ready-to-run software.
- Searchable catalog.
- Detailed usage tracking.
- Simple procurement, no provisioning required.

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Coralogix offers DevOps users an open data platform designed to address the challenges of monitoring modern applications. It supports collaboration across teams, gathers data from any source, and allows for data viewing through any platform. Users are able to query the platform using any syntax, as Coralogix does not require the use of a proprietary query syntax. It is also simple to integrate and start evaluating.

ESG observed how Coralogix provides the ability to ingest data from multiple sources and analyze in-stream in real-time, to receive and create alerts with dynamic thresholds including ratio alerts and net-new values, and to track metrics based on raw log data for deeper insights.

With the addition of automated threat detection to help improve cloud security and the ability to leverage existing tooling and open-source query languages, Coralogix can simplify and accelerate DevOps activities while reducing the cost and risk to the business.

The Bigger Truth

Application development and DevOps are vital to business success today. However, traditional tools can't keep pace with the growth of both applications and observability data. Coralogix offers an advanced approach to accelerate and improve DevOps, thus providing deeper insights and permitting faster troubleshooting. These are key capabilities for any cloud observability strategy. In other words, Coralogix is all about helping developers and DevOps teams to see through the noise.

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