graylog

GRAYLOG PROVIDES DEVELOPERS A SECURITY-FIRST, FLEXIBLE, AND COMPREHENSIVE SOLUTION TO GET THE JOB DONE

Category:
DevSecOps and error tracking

Looking For:
Security, Flexibility, Speed

Industry:
High tech

Size:
10,000+ employees

In today's globally connected world, applications and websites are the backbone of corporations. To make sure there is no security breach, interruption, or slowdown, developers are always working behind the scenes to accelerate secure development, app rollout, and operations management on production servers. To do this fast and efficiently, they need a full-featured DevSecOps log management tool. Luckily, this team has Graylog, the fastest centralized log collection and analysis tool for any app stack.

"Given the increasing pace of application development required to support the needs of the business, the spread of containerized applications and virtual environments and the emergence of new disciplines for observability (due to the lowered costs and increased reliability), log and event management has become a critical aspect for all involved in building, supporting, and even using mission-critical applications."

*Source: **DevOps.com***

EXAMPLE SITUATION

- Large enterprise website company with a technical staff of over 3,000 and registered users numbering in the 10's of millions.
- IT is organized around traditional silos and incorporates many diverse platforms, protocols, and development languages.
- The company is working with a complex and rapidly growing infrastructure.
- Security, downtime, and technical issues are causing serious problems for its customer base (businesses that depend on uptime and responsiveness).
- Tracking new and existing apps in production is key to delivering and improving the overall quality of service.

GRAYLOG IN ACTION

To address the challenges like those described above, traditional DevOps teams are transitioning to a DevSecOps strategy, to identify and resolve security issues much earlier in the development process, reducing the number of vulnerabilities that make it to production. While combined into a single team, there are still Security, Development, and Operations specialists that must work closely together. The team has chosen Graylog to collect, normalize, and correlate log data from all the different microservices across many Docker containers. Graylog's speed and flexible search tools enable the teams to quickly identify security concerns, pinpoint exactly where slowdowns are causing suboptimal response times, and collaborate across specialties.

LOWER OPS COSTS AND EMPOWER JUNIOR DEVELOPERS

Tasked with developing new apps fast to meet the needs of a growing user base, developers often do not have the necessary time to focus on cybersecurity and test their work.

The way the team develops, debugs, and rolls out new apps is critical to supporting the needs of the business. Tracking new and existing apps in production is key to delivering and improving the overall quality of service. Doing this type of complex development is challenging on its own; having to do development with cybersecurity in mind - on a lean budget - makes it much harder.

Graylog makes it possible for newer members of the team to be active participants in the secure development process. Using Graylog, they can leverage the power of log data and increase visibility into web applications, web services, and APIs to easily monitor and optimize the complete lifecycle of any application: from initial source code to identifying and resolving potential vulnerabilities faster, to roll out on production servers, to reported problems and revised versions of applications, and finally, to retirement (or integration into more complex applications). These queries also accommodate different platforms, languages, and protocols to accommodate the different IT teams responsible for these tasks.

REAL-TIME ANSWERS WITH PARAMETERS, SEARCH WORKFLOWS, AND DASHBOARDS

The website company system administrator reported unacceptable latency and vulnerability issues in the company website, resulting in several customer complaints as well as complaints from the sales team. Under pressure to deliver a fix fast, the developers when they began the coding process, created a parameterized search and accompanying dashboard with widgets to show all the parts of the application throwing the visual error, the first occurrence, the data centers (one, some, all), etc. As the process progressed, they used Graylog's Search Workflow to combine the search for each phase of development into one action that delivered results on different dashboard tabs. The team was able to quickly roll out an application with confidence and include the saved search along with a list of potential problem areas for the production team to monitor.

Companies report that with Graylog in place, rollback processes noticeably decline over a short period of time. For companies with a large or growing number of users, this usually translates to happy clients and a proportional climb in uptime and annual revenue.

SUMMARY

Switching to a security-first, flexible, and comprehensive log management solution like Graylog is one of the best decisions any company using homegrown methods and general tools for DevOps can make. Optimizing DevOps log management capabilities into DevSecOps practices with Graylog, makes it possible for developers to create more secure applications fast while junior members of the team develop their skills by taking on the post-development responsibilities. This also lowers costs by making sure that applications are more stable, and new versions with new features are also much less likely to be rolled back into Development for slow and costly fixes.

ABOUT GRAYLOG

Graylog is a centralized log management platform for companies seeking seamless data collection and normalization from any data source, faster analysis, and greater affordability. Purpose-built for modern log analytics, Graylog removes complexity from IT and security operations, data exploration, error tracing, and threat hunting so you can quickly and easily find meaning in data and act faster. Our customers enjoy increased productivity, improved performance, secure systems, and an empowered team.

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