

# HOW CYCODE SAVES WEEKS OF DEVELOPER WORK WITH SEEKRET

## SEEKRET

Industry: Technology

Challenge: API inventory observability and up-to-date documentation

Solution: Seekret deployment in CI/CD and Kubernetes

Outcome: Granular API visibility, tracking breaking changes, automated documentation

Cycode is a startup in hyper-growth that provides developers with security tools for their entire development lifecycle. To enable them to easily scale the number of their services, users and developers, Cycode's architecture is based on microservices and deployed in Kubernetes clusters.

## RAPID GROWTH LEADS TO OBSERVABILITY GAP

When Cycode started scaling by a multiplying factor, they realized they needed a solution for automated maintenance and management of their APIs. They saw how changes they made to their APIs have the potential to impact their customers, as well as internal users. However, they didn't have the capacity or the visibility to maintain API contracts and to keep them accurate and reliable. In addition, such quick scaling also created a documentation debt. "Building the entire API inventory manually would be a nightmare," said Dor Atias, Cycode's VP R&D.

Before deploying Seekret, Cycode tried to gain API observability through various monitoring platforms. They also tried to build a homegrown tool. However, those solutions were not API-centric and did not provide them with the granular level of observability they needed for API management.

**"Before Seekret, we were missing a solution for governing and monitoring the constant stream of API changes taking place within our distributed system."**

Dor Atias, VP R&D, Cycode

# ONE SOLUTION FOR ALL API OBSERVABILITY NEEDS

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Cycode chose Seekret as their API observability platform. With Seekret, Cycode now has a centralized mission control for addressing the entire API lifecycle, from enforcing API changes in each build to reliability management to documentation. Instead of manually maintaining and managing their APIs, Seekret does the heavy lifting for Cycode.

After easily deploying Seekret's zero-instrumentation listeners on their Kubernetes cluster and integrating with their CI/CD pipeline, Cycode was able to auto-discover APIs and gain visibility into their entire service dependency map. Seekret provided Cycode with aggregated monitoring metrics on API endpoints, such as the number of times it was seen in traffic, various contract/usage variations, P99 and average latency, response codes distribution, and more - instead of Cycode having to manually correlate them through millions of traces and logs. Such granular visibility into application behaviour saved Cycode valuable time, which they can spend on fixing performance regressions between API versions.

## CATCH BREAKING CHANGES

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Seekret also delivered API semantic changes into Cycode's build system, where they could track changes and see the change impact before deployment. This enabled Cycode to identify and fix breaking changes in real flow scenarios before they affected production.

**“Once we deployed Seekret into our CI/CD, we were able to catch breaking changes in our APIs and immediately understand their impact on our application before they even reached production.”**

Dor Atias VP R&D, Cycode

## AUTOMATED DOCUMENTATION

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With Seekret, Cycode was also able to manage and enrich their API inventory with metadata and export it as customer documentation in a single click. This continuous maintenance saved them a lot of documentation maintenance time and ensured their documentation was always up-to-date.

**“Seekret helped us buckle down on our efforts to create up-to-date API documentation as the usage of our public APIs was rapidly increasing.”**

Dor Atias, VP R&D, Cycode

# SIGNIFICANT IMPACT ON DEVELOPER PRODUCTIVITY

Seekret saves Cycode's developers time and increases their velocity by:

- Providing a complete solution for API observability and management, instead of developers having to build one themselves or maintain a solution that wasn't built for modern architecture.
- Automatically correlating all metrics from API endpoints, instead of developers having to manually aggregate these themselves.
- Catching breaking changes before production, instead of developers having to debug features that were delivered unreliably.
- Creating documentation at the click of a button, instead of developers manually having to write it, which would result in documentation drifts.
- Giving developers confidence to push to production, instead of them having to hesitate and deal with the consequences of faulty code.

Thanks to these advantages, Cycode plans to continue expanding the use of Seekret as new developers join the company, as well as integrate it with additional tools like Slack and PagerDuty, to integrate the platform even more into the SDLC.

With Seekret, Cycode saves their developers hours of work every week, freeing them up for more pressing matters like feature development for their customers.

## ABOUT SEEKRET

Seekret's API governance platform empowers API-first practices by giving engineering teams the control they need to manage APIs, increase velocity, and reduce developer toil.

