



Automatically enforce best practices, standards,
and policies on every commit.

Customer:

Perion Networks
Redmond, WA. USA

Industry:

Advertising , MarTech

Needs Expressed:

- Help developers make the transition quickly to DevOps
- Migrate from monolith to microservices architecture
- Prevent quality issues and security risks during transition
- Drive consistent adoption of development best practices across all teams

Benefits Realized:

- Lessons learned from past production issues were adopted automatically, preventing any repeat mistakes
- Several security and production risks relating to secret keys and Docker images were eliminated
- Software delivery speed increased thanks to better code consistency and faster code reviews

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www.datree.io

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Case Study: From Monolith to DevOps

Perion (NASDAQ: PERI) is an established leader in the increasingly competitive ad tech industry. To stay ahead, they needed to modernize the way their 400+ software engineers across 20 global offices deliver software. They started a huge initiative to transition from monoliths to microservices and DevOps.

Problem

As part of its growth strategy, Perion made many acquisitions. Each acquired company had their own Engineering teams and brought their own tech stacks.

Introducing DevOps and switching to microservices was a big challenge already, but the multiple monolithic codebases and highly divergent practices of the many and autonomous Engineering teams added more complexity and was detrimental to the transition effort.

Ensuring development best practices and security policies were consistently adopted became difficult. Examples:

- Some developers were still committing directly to master – a legacy practice from SVN days
- Secret keys were hardcoded into the code, and deprecated Docker images were used, causing security and production risks.
- As the teams tried to move faster, more mistakes were leaking into production and causing outages. Some became repeat mistakes.

Solution

Perion needed all developers to adopt the best practices and security policies quickly and consistently.

They also wanted to ensure mistakes that had been made were prevented from happening again.

Using Datree, they were able to:

- Prevent commits straight to master, across all the repositories – including future new ones.
- Scan each pull request for secret keys, and prevent its merging if such keys were found.
- Identify all the repos where deprecated and vulnerable Docker images were being used.
- Automate the enforcement and education of best practices to avoid repeating costly past mistakes.

Crucially, they were able to all these without slowing down development, because Datree was seamlessly implemented as part of the development workflow in GitHub.

“Datree helps our engineering teams develop software in an efficient and scalable way. It lets us enforce code quality, security, and development best practices.”

– Amir Arama, Sr. Director of Operations Engineering