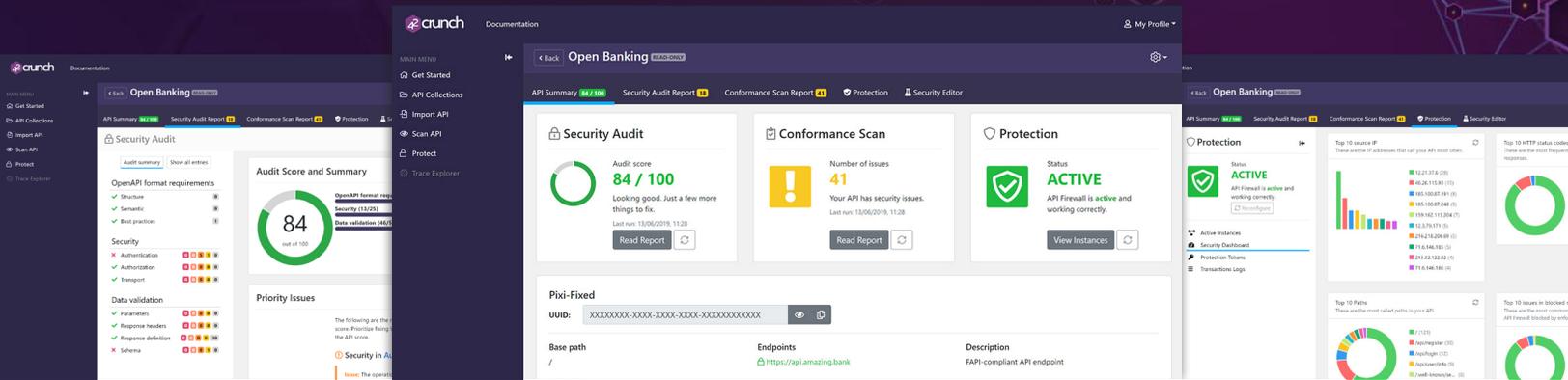


# 42Crunch API Security Platform

Protect your APIs from code to production by empowering developers with tools to be the driving force behind API security



## DEVELOPER DRIVEN INTELLIGENCE

Empowers developers to secure their API from design time using a description language they know: **security as code.**

Enables the introduction of security as early as possible in the API lifecycle: **API DevSecOps.**

Delivers a unified and integrated platform for development, security and operations teams: **single source of truth for API security.**

## API Security as Code and DevSecOps

The 42Crunch platform provides a set of automated tools to easily secure your entire API infrastructure by building security into OpenAPI contracts and enforcing those policies throughout the entire lifecycle. By delivering security as code you enable a seamless DevSecOps experience, allowing innovation at the speed of business without sacrificing the security of your APIs.

### Audit | Scan | Protect



**SECURITY AUDIT:** Run 200+ security audit checks of the OpenAPI specification definition with detailed security scoring to help developers define and strengthen the API contract, creating the ultimate whitelist.



**CONFORMANCE SCAN:** Once the contract has reached a satisfactory audit score, 42Crunch will test the live API endpoints to uncover potential vulnerabilities and discrepancies of implementation against the contract.



**API PROTECTION:** Configure our API-native micro-firewall straight from the OpenAPI definition: automatically protect APIs and engage pre-defined policies such as rate limiting, JWT validation or payload encryption.

# API SECURITY BY DESIGN

## API Native

Addresses natively APIs' unique security requirements across data validation, authentication, authorization, confidentiality and integrity.

## Positive Security Model

The API Contract is the core of the security configuration, allowing to automatically enforce traffic inbound and outbound.

## Integrate into CI/CD

Push your OpenAPI definition to your CI/CD pipeline and automatically audit, scan and protect your API.

## API Micro-firewall for Kubernetes

Thanks to its low footprint, 42Crunch API Firewall can be deployed at scale on Kubernetes as sidecar proxy. It has been tested on all major cloud platforms, including Azure, AWS, Google Cloud and Red Hat OpenShift.

## Intuitive User Interface

The intuitive interface makes it easy to get started on day one, and provides real-time Security dashboards with actionable data.

## Designed for DevSecOps

Enables a seamless DevSecOps experience from development to deployment through automation.

## Simplify

- At any stage: design, development, testing, runtime - 42Crunch tells you exactly what each security issue is, with specific location in API contract, an explanation of the possible exploit scenario and suggested remediation.
- Cloud-native architecture means that protection can get added to your existing microservice deployments with no extra infrastructure required.
- No proprietary formats - the platform leverages the industry standard OpenAPI specification.
- Hybrid deployment model (management and testing done from the cloud and protection firewall deployed next to your APIs in your current deployment infrastructure) makes getting started and maintaining the system a breeze.

## Automate

- 42Crunch gets embedded right into your current tooling: IDEs, code repositories & collaboration platforms, CI/CD - being there right when you need it.
- Security Audit and Scanning become automated checks ensuring that insecure code never makes it to the master branch and production deployment.
- Runtime protection policies get automatically redeployed with each API change making sure that you can stay agile without compromising security.

## Collaborate

- 42Crunch dashboards provide common view on all the projects that the enterprise has, all APIs in them, and the state of security for each and every one of them.
- All teams: API architects, developers, QA, security, operations - get a shared view of API security, its shared definition, and shared understanding of what needs to be done to improve it.
- 42Crunch integrates with existing collaborative developer tooling such as GitHub, GitLab, or Azure pipelines.