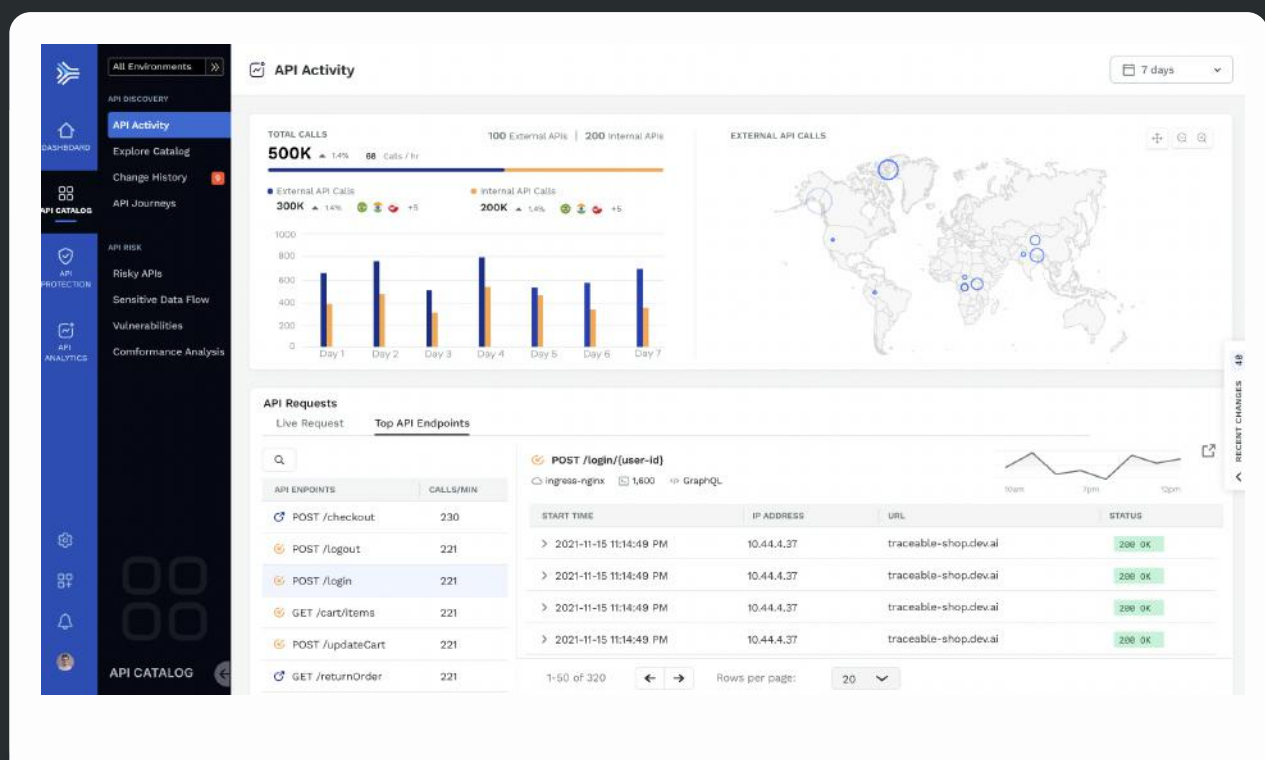# API Catalog
Product Datasheet

Automatic and continuous API Discovery that gives you comprehensive visibility into all APIs, sensitive data flows, and risk posture – even as your environment changes

TRACEABLE_

API Sprawl is the new norm. How are you managing the explosion of APIs in your organisation?

APIs are the lynchpin of how modern microservices and distributed applications work. Everything is broken into and integrated through APIs. Keeping track of them is the first priority. Do you know how many APIs you have in your organization? Do you know which new APIs have been recently introduced? Which APIs are external facing versus internal facing?

Those boundaries are being eliminated with microservices and cloud capabilities. What's internal and external isn't as clear as it used to be. Because of this, it's becoming increasingly more important to have complete visibility into your APIs, so you can make better security decisions.

How Traceable helps

Automatic and continuous API Discovery that gives you comprehensive visibility into all APIs, sensitive data flows, and risk posture – even as your environment changes

Automatically discover and catalog all services and APIs, including new releases and updates. Manage and augment your API inventory for team collaboration.

Open API Spec: Traceable observes live traffic and creates an Open API spec for each API endpoint including complete schema, implicit contract, specific data types, required parameters, and more.

Change detection with new releases: Traceable automatically identifies new APIs and updates to existing APIs as new releases are rolled out.

Conformance Analysis: Traceable analyzes usage, performance, vulnerabilities and sensitive data for each API endpoint.

API Dependency: Traceable captures both upstream and downstream API dependencies.

Identify sensitive data exposure: Instantly know what APIs are exposing sensitive data and block accordingly.

API Risk: Based on likelihood and impact, Traceable continuously assesses and assigns a risk score to each API endpoint which helps security teams manage their environment more effectively.
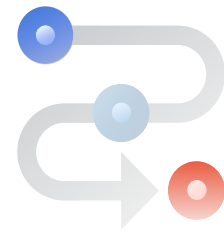
API catalog Features

- Sensitive data mapping and risk assessment
- Single source of truth for API documentation
- API drift discovery and alerting Continuous discovery of shadow and orphan APIs
- API versioning and versioning policy compliance
- API ownership, scoping by application and categorization, including authorization
- API authentication policies
- API platform and technology policy compliance
- API common vulnerability assessment / audi

> " With Traceable, we are able to detect and respond to breaches in the shortest possible time. For us, it was also important to have continuous visibility into the APIs, identify root cause, and remediate those issues. "

Pathik Patel
Head of Cloud Security,
Informatica

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API Catalog at a glance

Automatic API Discovery and Posture Management

- Single pane of glass for all APIs
- Shows all API activity
- Immediately shows the most important and useful information for the user; what APIs have been discovered, both known and unknown, in the environment.
- Shows highest risk APIs in the dashboard so users can know instantly what is potentially being exposed.
- Live feed of all API changes; if an API is released, Traceable can capture and give instant insight (headers added or any parameters that might have changed).
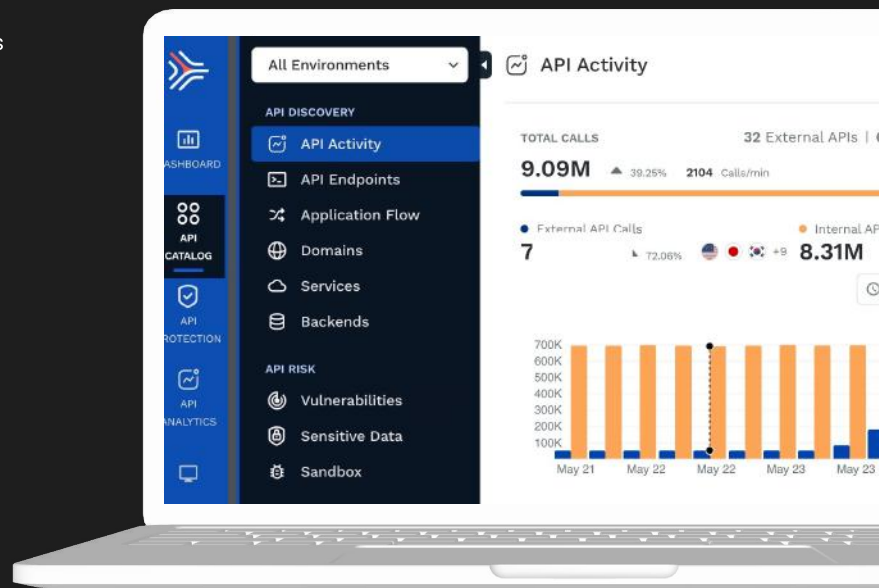
Benefits Across Security, DevOps and Compliance Teams

Security Teams

Security teams need an API Catalog so they can have a realistic view of their attack surface and risk posture to help prioritize the wide range of API security issues that must be addressed.

DevOps Teams

By integrating Traceable into the CI/CD pipeline, DevOps can address security issues the same way they would address quality issues in the testing process. Identify problems early in non-production environments, as finding issues in production is far more expensive

Compliance Teams

Compliance, risk, and privacy teams require API inventory and visibility into sensitive data exposure, particularly as they answer to regulatory bodies. With API Catalog, you can track all data correlated across disparate systems. This makes for audit and compliance efficiency

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API Catalog Summary of Use Cases and Benefits

Open API Spec Analysis

Download auto-generated API specs in Open API format including parameter details and insights, detected sensitive data and annotations.

Automatic Classification

Auto-group or manually tag APIs that belong to the same application. Identify the team responsible for the application development; map user roles with externally defined user roles, tenants or merchants via integration with SAML Identify which cloud / infrastructure hosts the API

Compliance

Map each API endpoint to sensitive data sets that it exposes (request and response) and authentication methods it requires.

API Change Management

Traceable automatically identifies new APIs and updates to existing APIs such as changes in headers, parameters, and many more.

Policy Monitoring

Upload policy for change requirements. Monitor for policy compliance.

CI / CD Integration

Provides APIs for integrating numerous functions, such as risk scores, and conformance analysis in staging, with CI/CD and CMDB infrastructure, including your existing alerting infrastructure.

Comformance Analysis

Upload API specification defined by dev (or extracted from an integrated gateway); compare to the currently derived spec; flag deviations; select the 'source of truth' - uploaded or detected; alert on shadow APIs.

Robust Reporting

Quickly build reports to summarize API events of interest and send them to organization stakeholders

Flexible Deployment

API Catalog provides multiple options for API discovery, including edge (such as gateways, load balancers, proxies), in-application (Java, Node.js, Go, Python) and out of band (such as VPC mirroring, pod mirroring)

After APIs are discovered and cataloged, Traceable makes it easy to take action on the information that API Catalog provides:

API Risk Score

Tracing data can be used to generate risk scores that proactively identify vulnerable APIs. API risk scores evaluate the vulnerability of APIs used in your business logic

- Continuously updated endpoint risk scoring based on the likelihood and impact of a cyberattack.

- Traceable uses risk scores to provide an always updated view of your most risky APIs, so you can prioritize mitigating the risks
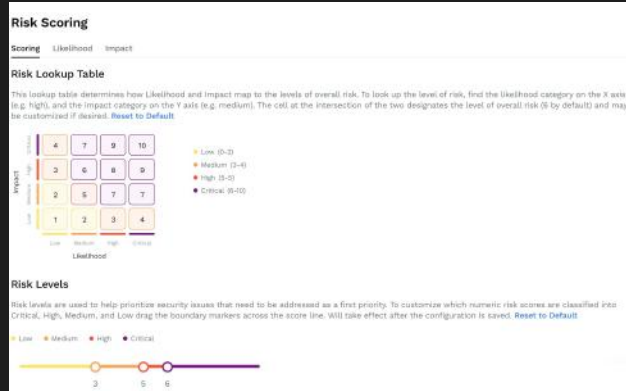
Identify Sensitive Data Exposure

Since APIs are handling sensitive information and they can transmit data from internal APIs out to 3rd party apps, it is very important to know the data flow end-to-end to understand your overall security posture

- Analyze usage and sensitive data for each API endpoint.

- Identify where sensitive data flows end-to-end across APIs.

- Track the flow of sensitive data to identify how it got to unexpected destinations.
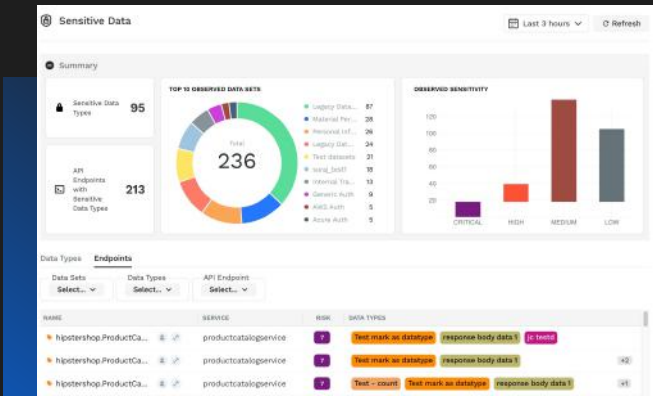
Auto - Generated OpenAPI Specs

One of the most useful tools you can have as part of your API security strategy, is an Open API spec. It's an open standard that lets producers and consumers of APIs communicate in the same language. It also makes multiple API Security related tools (such as testing and documentation tools) understand each other.

- Have a single source of truth between different teams and partners

- Portability between different security tools

- Quickly identify which APIs expose sensitive data and where
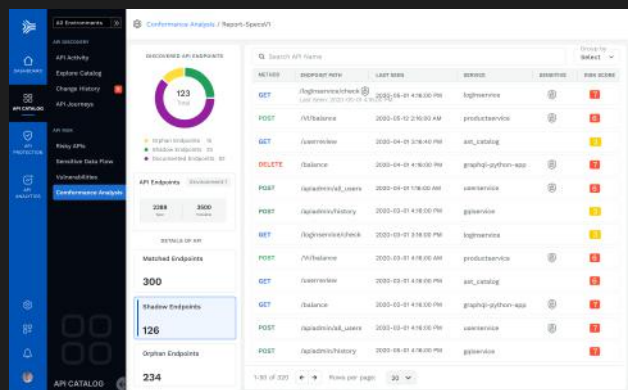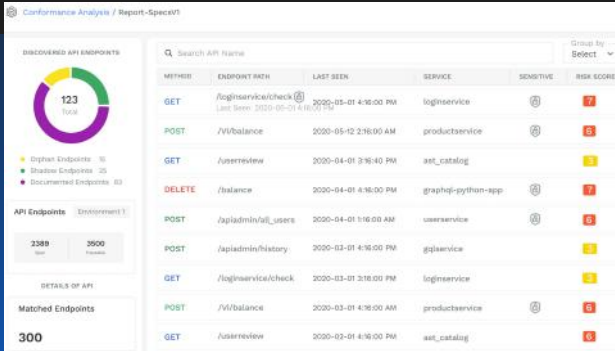
API Audit and Conformance Analysis

Open API specs organized by services and domains are available to the users to view, download and use for conformance analysis. You can perform conformance tests to detect shadow, orphan and zombie APIs, parameter mismatches in headers, cookies, request and response bodies, either on-demand or scheduled.

- Upload spec in Open API format

- Compare uploaded spec with observed API spec

- Results can be viewed in Traceable or consumed via reports

Traceable protects the APIs of enterprise organisations like yours

Meet with a security expert

Our crack security research team is happy to meet with you to talk about your API security challenges.

Schedule Meeting

About us

Traceable is the industry's leading API security platform that identifies APIs, evaluates API risk posture, stops API attacks, and provides deep analytics for threat hunting and forensic research.

With visual depictions of API paths at the core of its technology, its platform applies the power of distributed tracing and machine learning models for API security across the entire development lifecycle. Visual depictions provide insight into user and API behaviors to understand anomalies and block API attacks, enabling organizations to be more secure and resilient.

www.traceable.ai

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