42crunch

REST API Risk Audit Online Demo

Never let unsecure APIs reach production
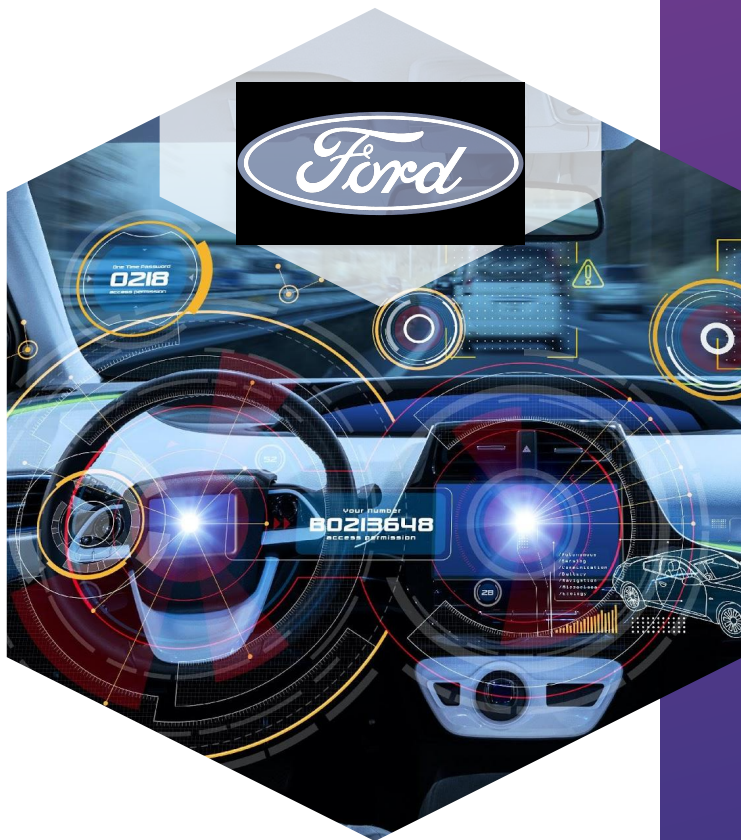
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Housekeeping Rules

- All attendees will be muted
- Questions via Q&A
- Recording will be shared

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Agenda

❑   Workshop Objective

❑   High Level Overview

❑   Steps you need to Achieve API Risk Audit

❑   Demo

❑   Q & A

❑   Resources & Upcoming Webinars

Workshop Objective

Identify Your API "Security Risk Posture"

Generate an *Audit Score* for your API
Identify Potential Vulnerabilities

Safeguard Sensitive data
Protecting your APIs ▫ *Protect your Business*

42CRUNCH FAST FACTS

OUR FOUNDERS

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FOUNDED IN

2016

GLOBAL OFFICE NETWORK

London - San Francisco - Dublin
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#1 API SECURITY COMMUNITY

7K+ **APIsecurity.io**
Latest API Security News,
Vulnerabilities & Best Practices

API SECURITY NUMBERS

450K+
Developers on VS Code, Intellij
& Eclipse using our OAS tool

30K+
Enterprise APIs under
active protection

32K+
Enterprise API audits
executed weekly on platform

OPENAPI
INITIATIVE

70% ENTERPRISE DEVELOPERS
Using OpenAPI spec to define APIs. Up from 25% in 2016.

OPEN BANKING INITIATIVES
Financial Data Exchange (USA & Canada),
CMA (UK, Australia, NZ), Berlin Group (DACH,
Eastern Europe), STET (France), BIAN (Global)

CROSS INDUSTRY SUPPORT FOR INITIATIVE

OpenApi Specification File (OAS)
Standard for Defining APIs

- *It allows developers easily describe a REST API contract*

- *Documents APIs for internal and external consumption*

- *Mandated by large companies as the defacto standard to describe **all** APIs*

THE DEVELOPER FIRST API SECURITY PLATFORM

SECURITY MANAGEMENT & GOVERNANCE

Visibility & control of security policy enforcement throughout API lifecycle for security teams.

API AUDIT

Lock down your API's definitions to reduce the attack surface and remove potential security gaps.

API SCAN

Dynamic runtime testing of your API to ensure compliance with API Contracts.

API PROTECT

Protect each API with an API micro-firewall to distinguish legitimate traffic from malicious API attacks.

INTEGRATED ACROSS API LIFECYCLE

Continuous security enforcement across IDE, CI/CD and at runtime.

BENEFITS: AUTOMATION   -   COMPLIANCE   -   COST SAVINGS   -   TIME TO MARKET

Steps to Audit your REST API & Identify Security Risk Posture

42Crunch Community Platform

A quick overview of the free 42Crunch Community Platform

Scoring your API with Security Audit

Running a 42Crunch Security Audit and understanding the results

Start with an OpenAPI Contract

Locate an OAS file for your API, or use a sample such as Pixi or VAmPI

VS Code Integration

Install the free OpenAPI plugin by 42Crunch

Remediation & Conformance Scan

Learning to raise your Security Audit score and test your API's code against your OAS contract

Demo

Q & A

Upcoming Webinars

Reference Resources

- **42Crunch Community Platform:**
  https://platform.42crunch.com

- **How to,, Audit API security:**
  https://docs.42crunch.com/latest/content/tasks/audit_api_security.htm

- **APISecurity.io community website:** https://apisecurity.io

- **OpenAPI Initiative:**
  https://www.openapis.org

- **Microsoft VS Code:**
  https://code.visualstudio.com/download

- **42Crunch VS Code Extension:**
  https://marketplace.visualstudio.com/items?itemName=42Crunch.vscode-openapi

Thank you

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Continuous API Security Protects Your Digital Business

THE DEVELOPER FIRST
API SECURITY PLATFORM