Improve Your Chances Of A Profitable Exit

Turn Software Security Into A Competitive Advantage

In the fast-paced world of tech startups, security languishes on the todo list. Left unchecked, this exposure can lead to costly liabilities, including:

- FTC Fines And Oversight
  Investigations and settlements around failure to protect users' data can drain a startup's capital and momentum.
- Class-Action Lawsuits
  Customers expect their data to be protected from the moment they sign up.
- Wasted Resources
  Costs to correct insecure code will only grow with your startup.
- Missing Big Breaks
  Lucrative contracts with big customers may hinge on contractual obligations for security measures.
- Reputation Risk
  By asking customers for their trust, your startups put their reputations on the line.

We'll Help Your Portfolio Companies Launch Securely

Trail of Bits is an independent cyber security research and development consultancy trusted by many of the technology industry's biggest names. Each of our consultants is an expert programmer who has shipped product.

We work directly with software teams to ensure that their products will protect users' data and remain proprietary. We lead the industry in reverse engineering and penetration testing shrink-wrap, appliance, and embedded technology. We've handled desktop, server, and kernel products in Win32 and Unix; smart grid infrastructure; and network devices.

Our assessments help startups:

- Take control of software security
- Eliminate expense and schedule slip from security "dot releases"
- Smooth the path to a successful and secure launch

Let's Secure Your Investments.
Contact Us Today.

Trail of Bits, Inc.
228 Park Ave S #80688 New York, NY 10003 | info@trailofbits.com

We don't just fix bugs, we fix software. When our research into the depths of code and devices exposes gaps in the market, we engineer foundational tools like these to fill them in:

- Mobile Application Security Toolkit (Product)

  Applies novel obfuscation techniques and our detailed knowledge of iOS to seamlessly armor mobile applications.
  > Discover Mast

- TrustAnchor (Commercial Prototype)

  Firmware developed for a microSD-based secure computing environment using completely open technologies. TrustAnchor supports industry-standard encryption suites, adds task isolation and improves security to an existing RTOS.

- OSQuery for Windows

  Until now, Windows servers were excluded from the power and efficiency of osquery, Facebook's open-source platform that turns operating system information into a format that can be queried using standard SQL-based statements. In Fall, 2016, we'll be changing that.
  > Read how we ported osquery to Windows.

- Protofuzz

  ProtoFuzz is a generic fuzzer for Google's Protocol Buffers format. Instead of defining a new fuzzer generator for custom binary formats, ProtoFuzz automatically creates a fuzzer based on the same format definition that programs use.
  > Read about Protofuzz's design and development.

We're an excellent fit for these types of projects:

- Security Assessments & Vulnerability Research

  In circumstances where software must be absolutely secure, we use a blend of static analysis, fuzzing and concolic testing to identify the vulnerabilities that otherwise go undetected.

  - Code Reviews: C, C++, Obj-C, Assembly (x86, x64, ARM64), and others
  - Application Architecture Review
  - Device Driver and Kernel Security
  - Remediation Validation
  - Exploitability Analysis
  - Quantitative Software Security Evaluation

- Security Engineering

  We help our clients to determine whether their products or networks meet their expectations, and then engineer the modifications necessary for a secure deployment.

  - Architecture Design and Review
  - Trusted Component Design
  - Research Prototypes
  - Secure Development in C++, Rust, and other languages
  - Secure Development of Embedded/IoT Device Firmware

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