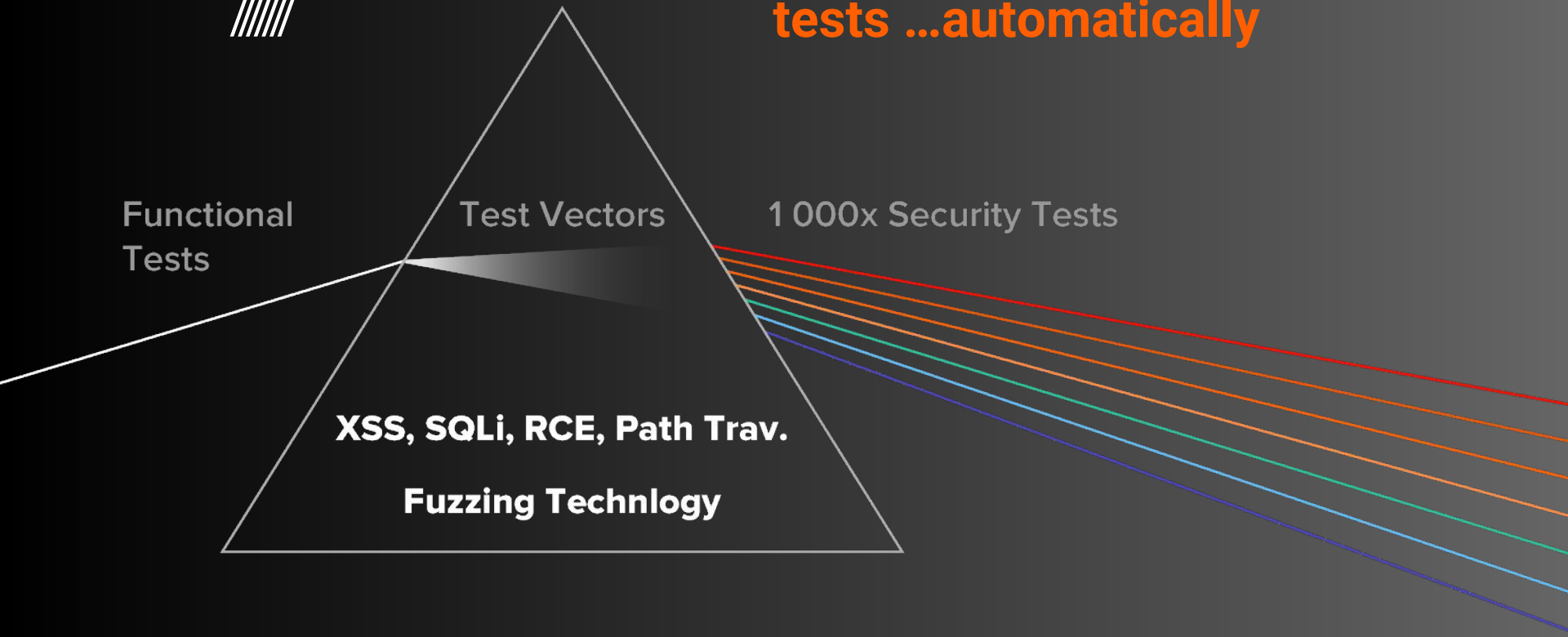
# Framework for Application Security Testing



September 11th, 2018

FAST

# Create thousands of security tests from existing functional tests ...automatically



# Wallarm FAST — enables secure CI / CD


> Wallarm FAST has many cool features to help DevOps teams strike the delicate balance between the security of the application and the very short release cycles.

**Chris Rodriguez**

SENIOR. ANALYST

FROST & SULLIVAN

# Finds Issues BEFORE Software is Deployed

**Results may include:**

- vulnerabilities of known types such as OWASP Top 10
- unknown and zero-day vulnerabilities with a fuzzer
- vulnerabilities in XML, REST, JSON, SOAP, Base64 and protocols with nested encoding (no configuration required to parse it)
- API/endpoint behavioral anomalies

# Generating Tests


A

- **Capture a baseline** from QA or production traffic, with FAST acting as a proxy
- **Create security tests** by inserting XSS, PTRAV, RCE or SQLi vector into all or specified web API parameters for every endpoint
- **Create thousands of tests** by applying fuzzing governed by regular expressions
- **Specify test pass criteria** to detect anomalies
- **Policy for generating tests** can be defined out of band by the security team

# Running Tests


# B

- Generated tests run automatically
- Running tests and retrieving results is easily automated via API for CI / CD integration
- Authentication/credentials can be inherited from the requests, defined in a test automation framework or provided by a proxy
- Rate of testing and termination criteria are explicitly defined
- Automation and reporting  are well suited for regression testing

# Actionable intelligence

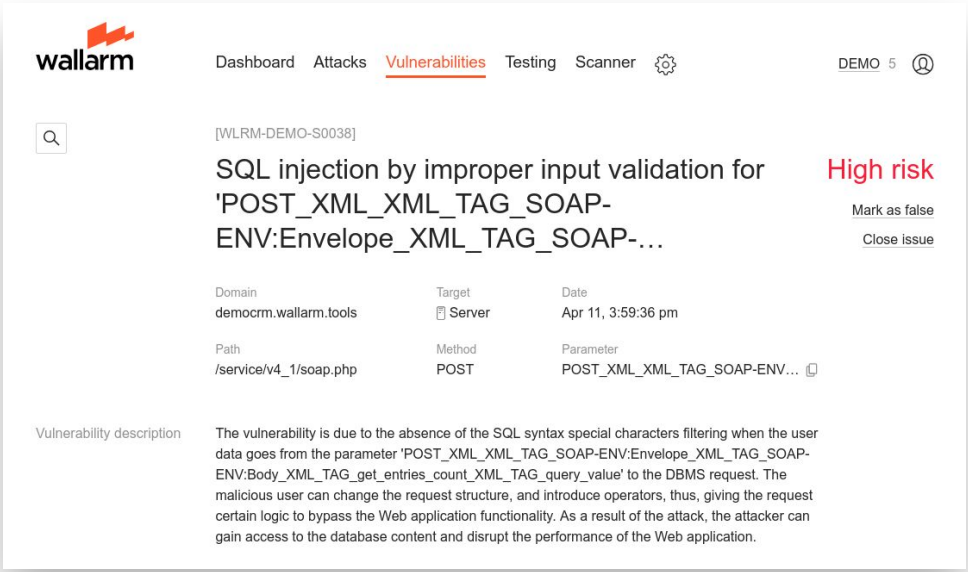
**Provides actionable detailed information for every issue found:**

- original (baseline) request
- test that found vulnerability
- detailed vulnerability description
- example exploit

Results are integration-ready with REST API

Allows security team to apply their expertise with leverage without slowing down CI / CD pipeline

Developers and QA execute tests within their existing test automation flow



# Start testing within minutes

Register for a new FAST account
https://fast.wallarm.com/signup

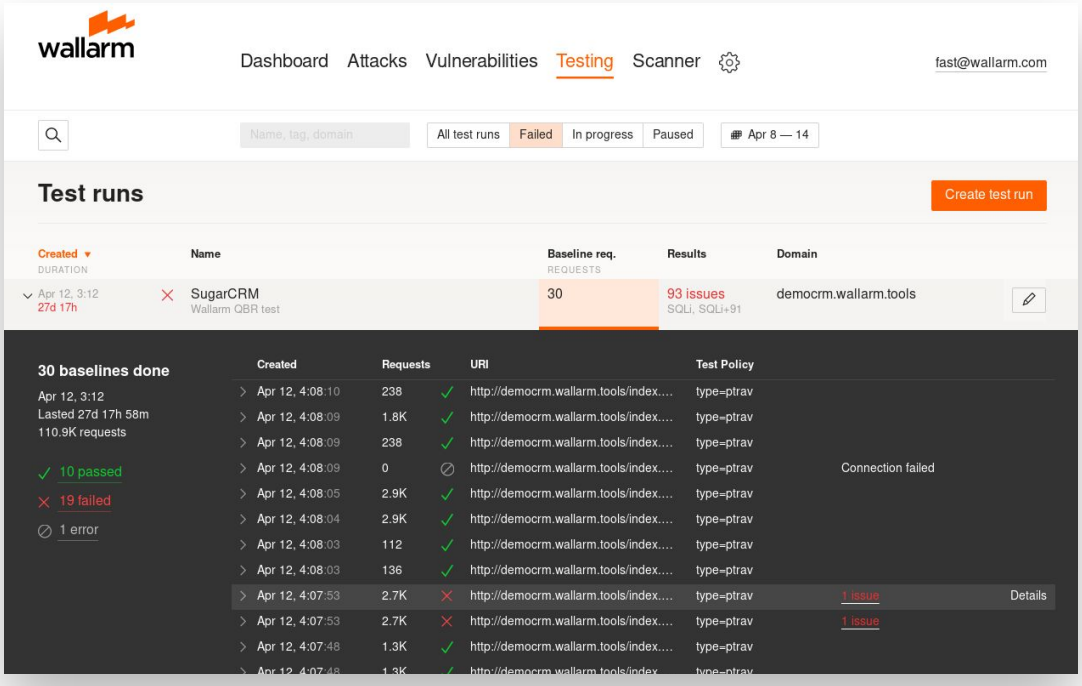
Define a new TestRun in Wallarm Console

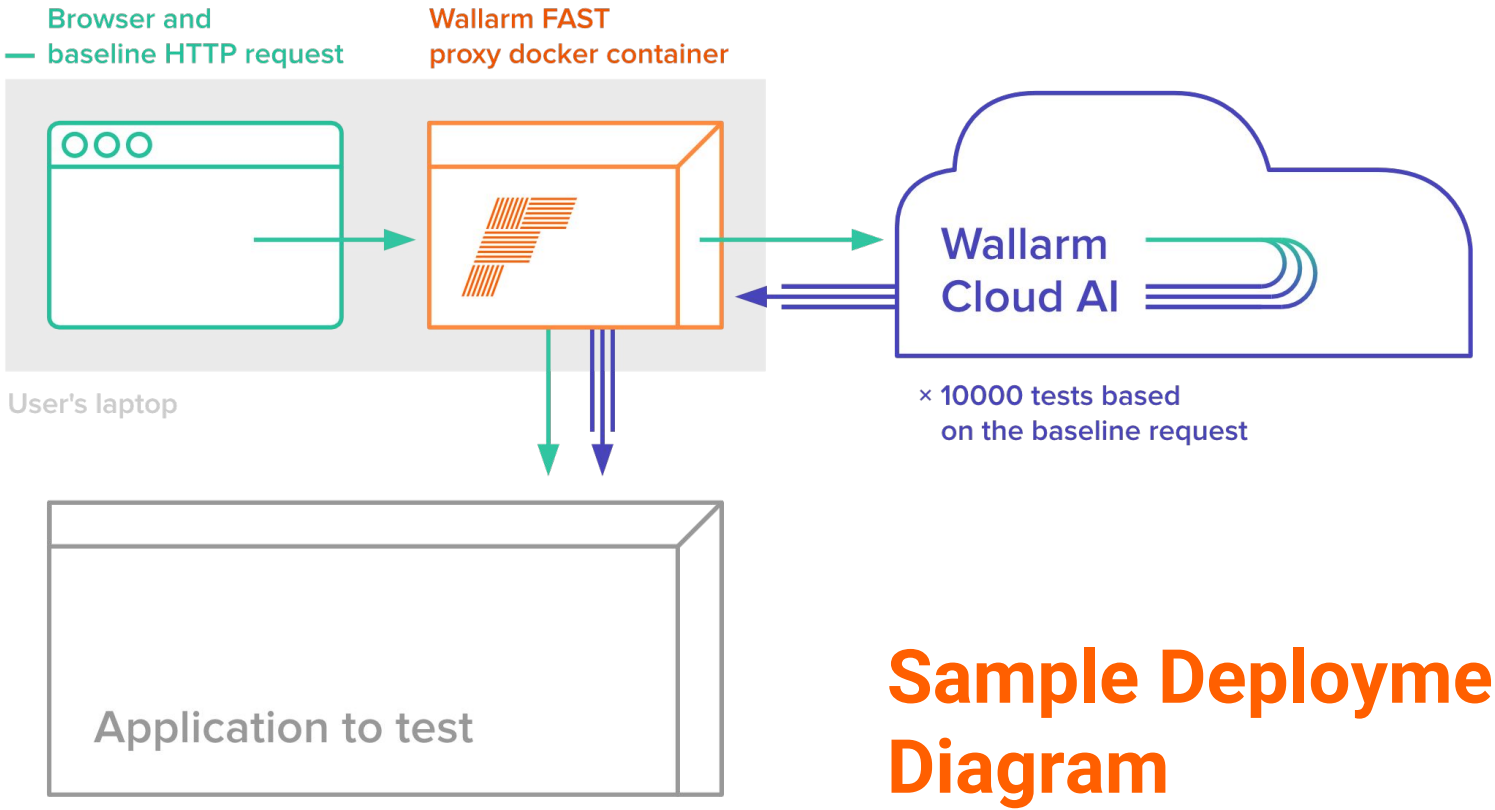
Pull wallarm/fast-proxy from a Docker Registry

Configure your browser, Selenium or shell to use wallarm-proxy

Start functional and automated security testing

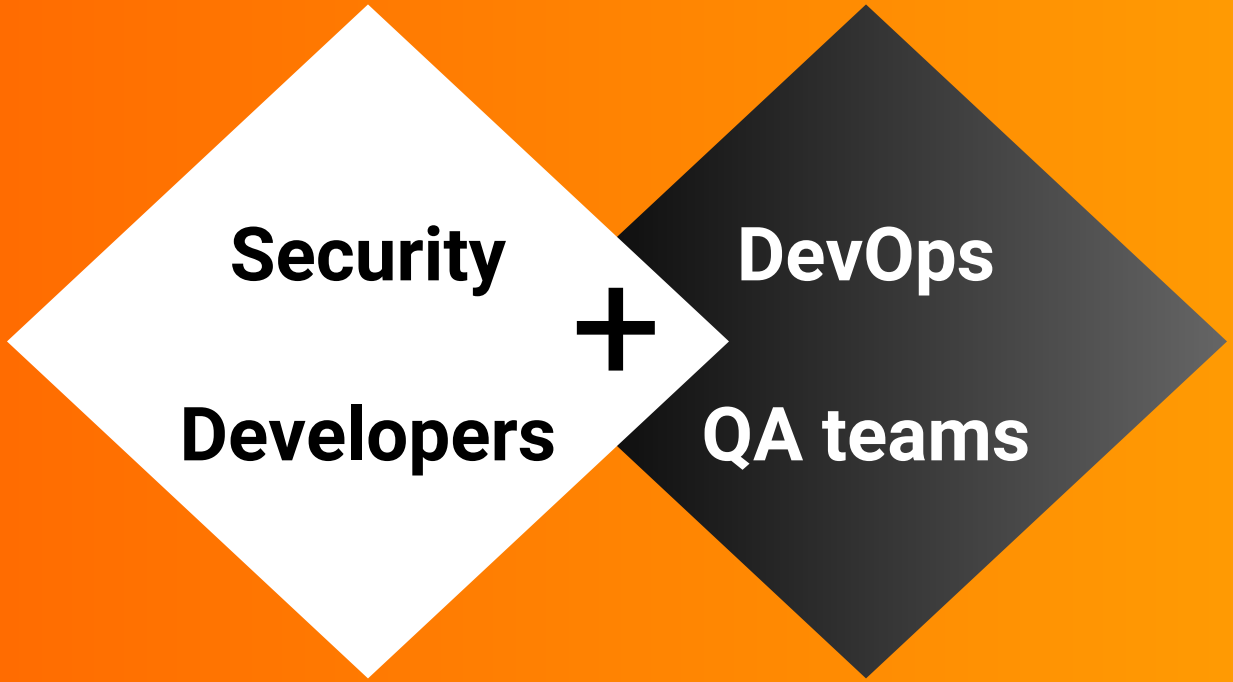
It’s that easy!






# Sample Deployment Diagram

# Who is FAST for?



# Licensing

**Personal non-transferable license**

- 30 days trial license
- $79/mo after
- Limited to single simultaneous test run & 1000 base-lines per month

**Pen-tester productivity license**

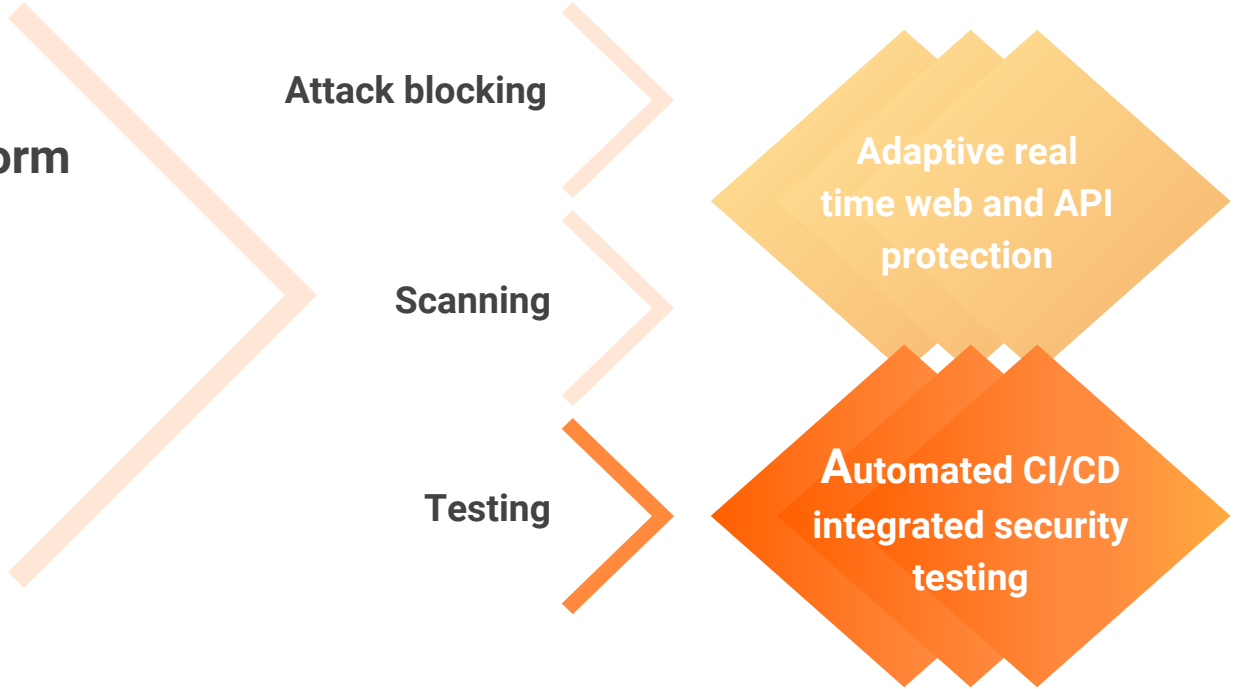
Contact us

**DevOps team license**

Coming in Q3

# Wallarm Ecosystem for Application & API Security

**Adaptive AI Platform enables dev/QA and production application & API security**



# Application Security powered by AI

wallarm

**Other Wallarm products**

Wallarm attack mitigation for applications and APIs (NG WAF)

- protection against full spectrum of threats: OWASP Top 10, bots, app abuse and DDoS
- Works in full blocking mode (ultra-low false positives)
- AI-powered detection and bespoke security rules

Wallarm scanner for operational security testing

**Additional FAST resources**

fast.wallarm.com/signup

Demo video

Marketing video

Data Sheet

Evaluation guide  Test policy guide

## Try it for yourself today

```
$docker run wallarm/fast
```

# About Wallarm

Founded in 2013
Headquartered in Silicon Valley

Backed by prominent VCs
Y Combinator, Partech Ventures, Runa Capital

Profiled in analyst's reports as one
of 12 leading WAF providers
Frost & Sullivan

"White hat" security DNA

Experienced team of managers and advisors

Protects 150M+ users
at 120+ customers from startups
to Fortune 500

RED HERRING N. AMERICA FINALIST 100

CYBERSECURITY 500 WORLD'S HOTTEST SECURITY COMPANIES

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CIO Review 20 MOST PROMISING Enterprise Web Application SOLUTION PROVIDERS - 2017

KAIROS 50
50 of the world's most innovative companies founded by the next generation of entrepreneurs

NGINX+ CERTIFIED MODULE

Innovate.