

Mayhem uses runtime profiling and behavioral analysis to find reachable, exploitable vulnerabilities in your applications and APIs.

It combines techniques to identify risk in every layer of your application, and give you everything needed for rapid remediation.

✓ **Dynamic SBOM & SCA**

Identify open-source and third-party risks with Mayhem's dynamic SBOM, which profiles your application at runtime to highlight CVEs on your attack surface.

✓ **Behavioral Analysis**

Mayhem's self-learning analysis engine combines fuzz testing, symbolic execution, and more to build and execute behavior tests specific to your apps and APIs.

✓ **Automated Regression Testing**

Automate patching and keep remediation moving fast – Mayhem builds and runs regression tests that verify application behavior as updates are shipped.

Why Mayhem



Accurate Supply Chain Risk

See what third-party components you actually use, and what can be removed from your codebase.



Accelerate MTTR

Every result comes with proof and reproductions, so you can skip triage and go right to remediation.



Maximize Test Coverage

Self-learning behavior testing continuously improves code coverage across your applications.

CUSTOMERS

Securing the software that powers the world



RECOGNITION

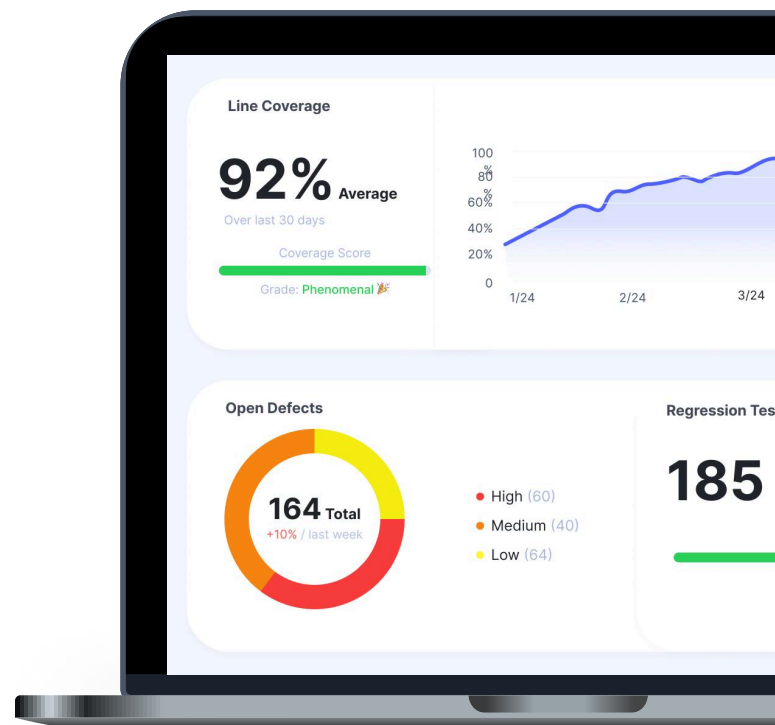
Award-winning technology



What's New: October 2024

The latest release of Mayhem features harness templates, improved integration into embedded testing tools, and reworked internal registry RBAC

- ✓ **Vector Integration**
Native analysis of virtualized ECUs (vECUs) produced by Vector vVirtualTarget, and integration of tests and traces with CANoe
- ✓ **Internal Registry RBAC**
Mayhem's internal artifact storage can now be configured with fine-tuned access control based on your project hierarchy
- ✓ **Harness Templates**
Mayhem's CLI now can generate basic harness templates for easier ingestion of new targets for analysis.



About ForAllSecure & Mayhem

ForAllSecure is a hacker organization focused on advancing cybersecurity through research, education, and product development. Founded in 2012 by CMU researchers, ForAllSecure has over a decade of experience building CTFs, running cybersecurity education programs and spearheading industry research. In 2016, the company won DARPA's cyber grand challenge focused on autonomous security. Based in Pittsburgh, PA, the company is backed by NEA and KDT and has offices worldwide.

Mayhem, ForAllSecure's first commercial product, launched in 2020. Mayhem blends advanced profiling techniques with self-learning behavior testing to pinpoint vulnerabilities in applications and APIs – eliminating the noise of false positives, so security and development teams can quickly fix what matters most.