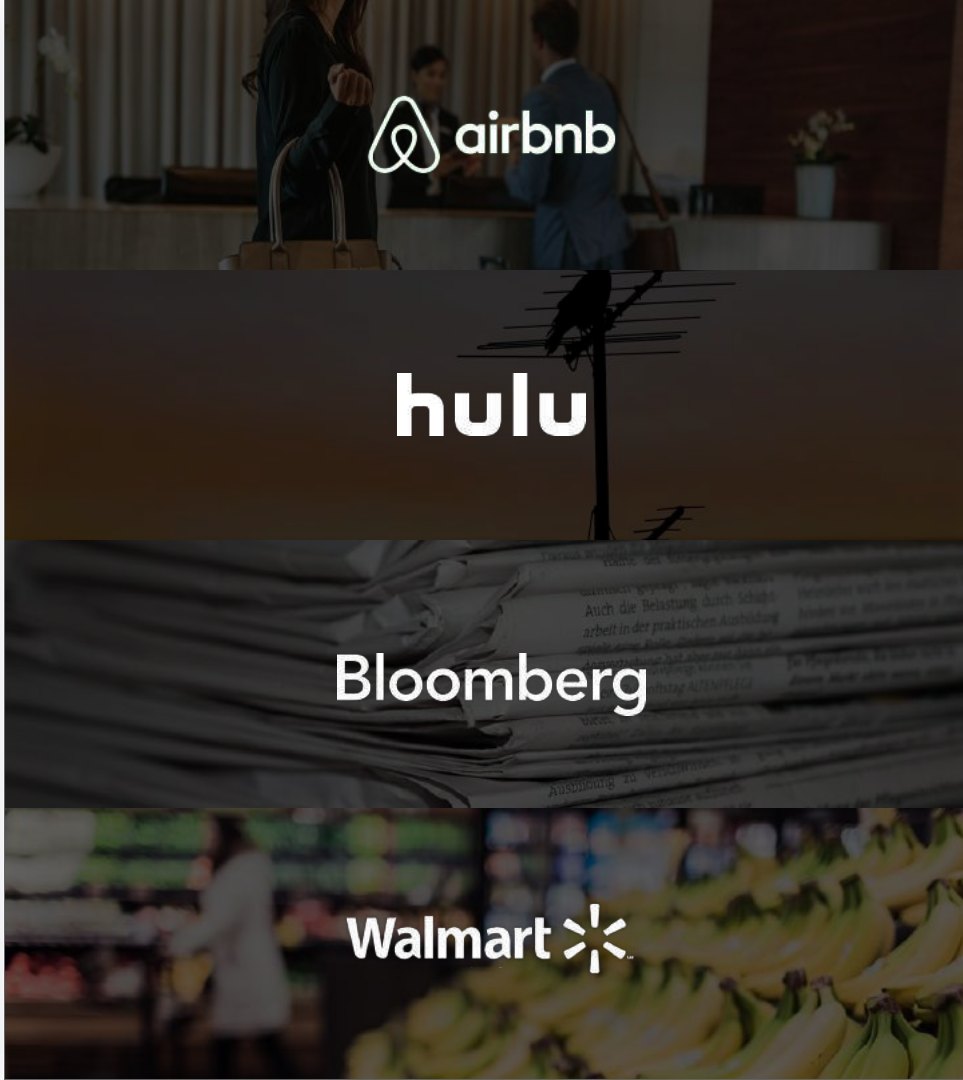
GitHub Enterprise

Introduction to GitHub

April 2021

Every company is becoming a software company

62% of CEOs have an initiative to make their businesses more digital



DevOps alone is not enough...

Open source is changing how software is developed.

Changing software development

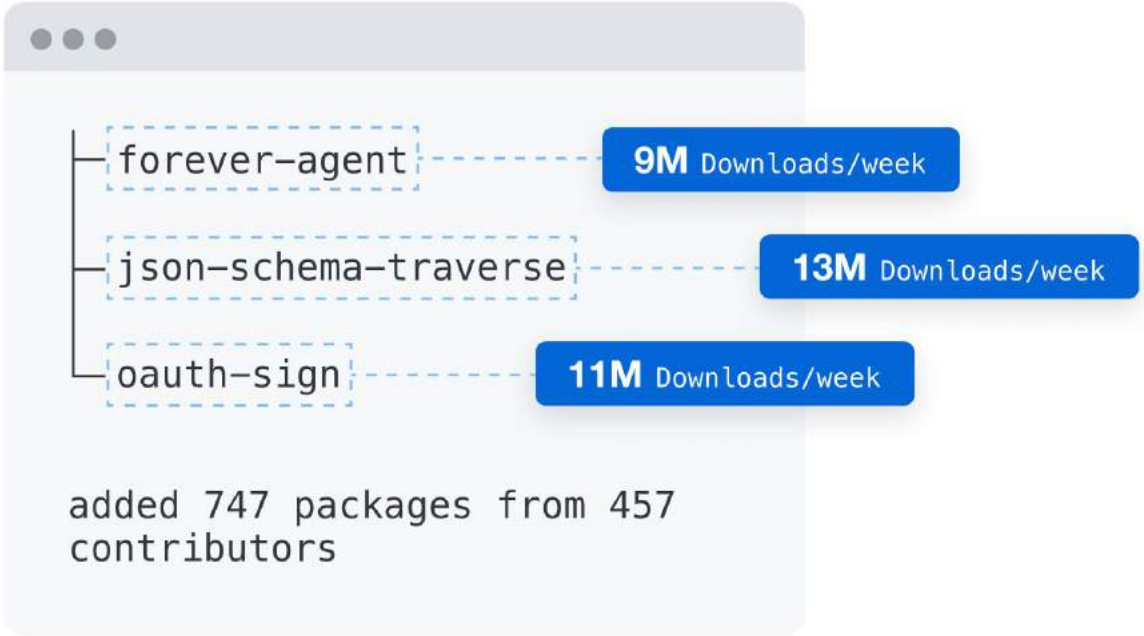
96%

Deployed applications using open source software

50%

Usage of open source software in codebases

80-90% of new applications are built on open source.



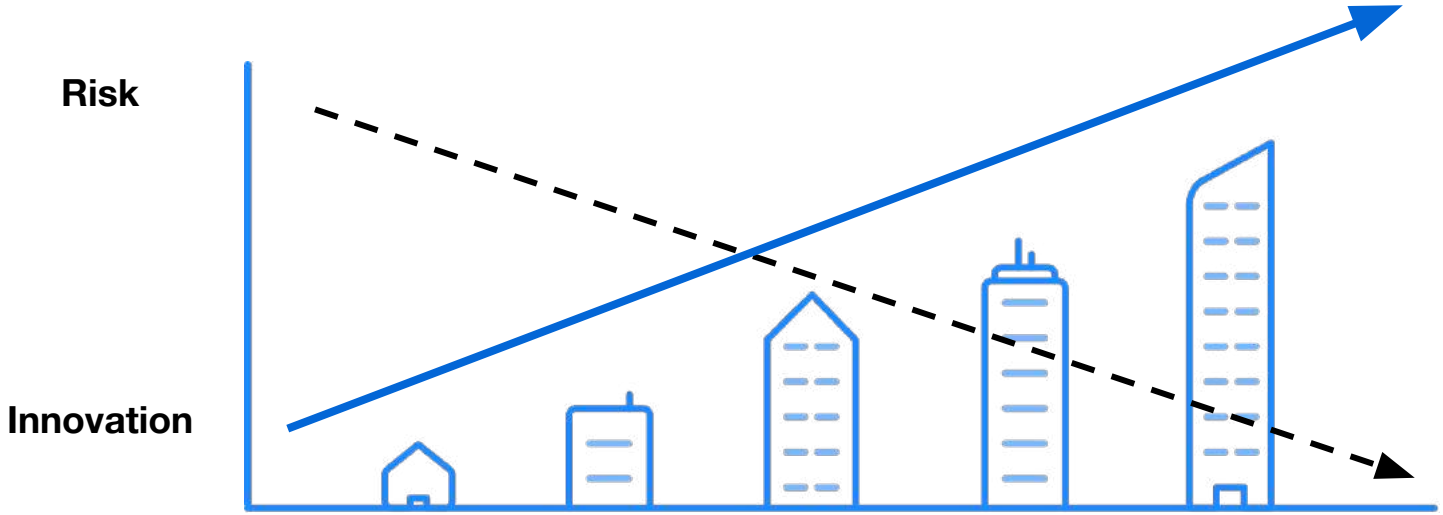
Security and compliance

An existential challenge

Using open source introduces new challenges, including security and compliance risks.

Maximize innovation while minimizing risk

As custodians of the world's largest software community, GitHub's solution allows you to maximize innovative potential and minimize associated risks.



GitHub is the #1 platform for Digital Transformation

56M+	100M+	1,000s	1B+	2M+	50%
Developers	Private and public repositories	Top open source communities	Contributions per year	Organizations	Fortune 500 companies

The most innovative companies

The most innovative software

GitHub is a critical partner for Digital Transformation

DevOps

Security

Collaboration

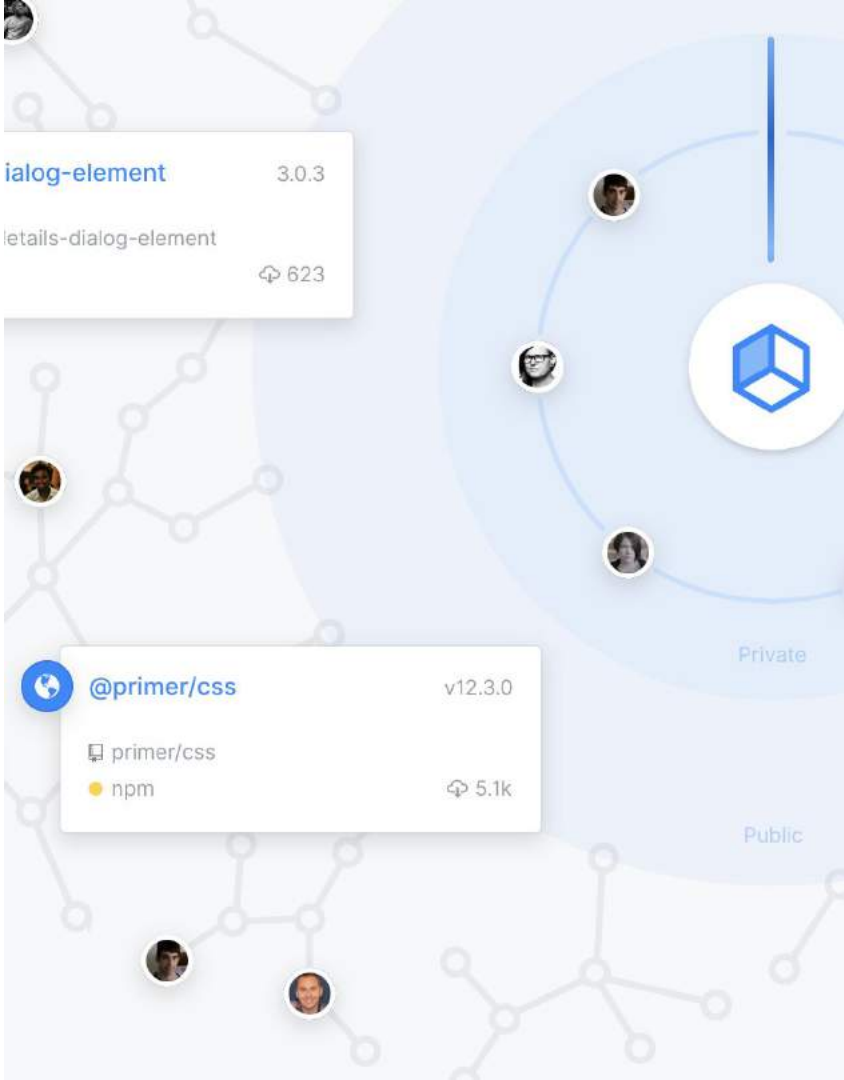
GitHub enables a fully integrated code-to-cloud DevOps platform

GitHub Packages

Publish private and public packages, next to your code

Plan	Storage	Data Transfer out within Actions	Data transfer out outside Actions
Free	**500MB**	Unlimited	**1GB / month**
Pro	**500MB**	Unlimited	**5GB / month**
Team	**2GB**	Unlimited	**10GB / month**
Enterprise	**50GB**	Unlimited	**100GB / month**

Additional storage: $0.25 / GB
Additional data transfer out (outside of Actions): $0.50 / GB
FREE for public repositories

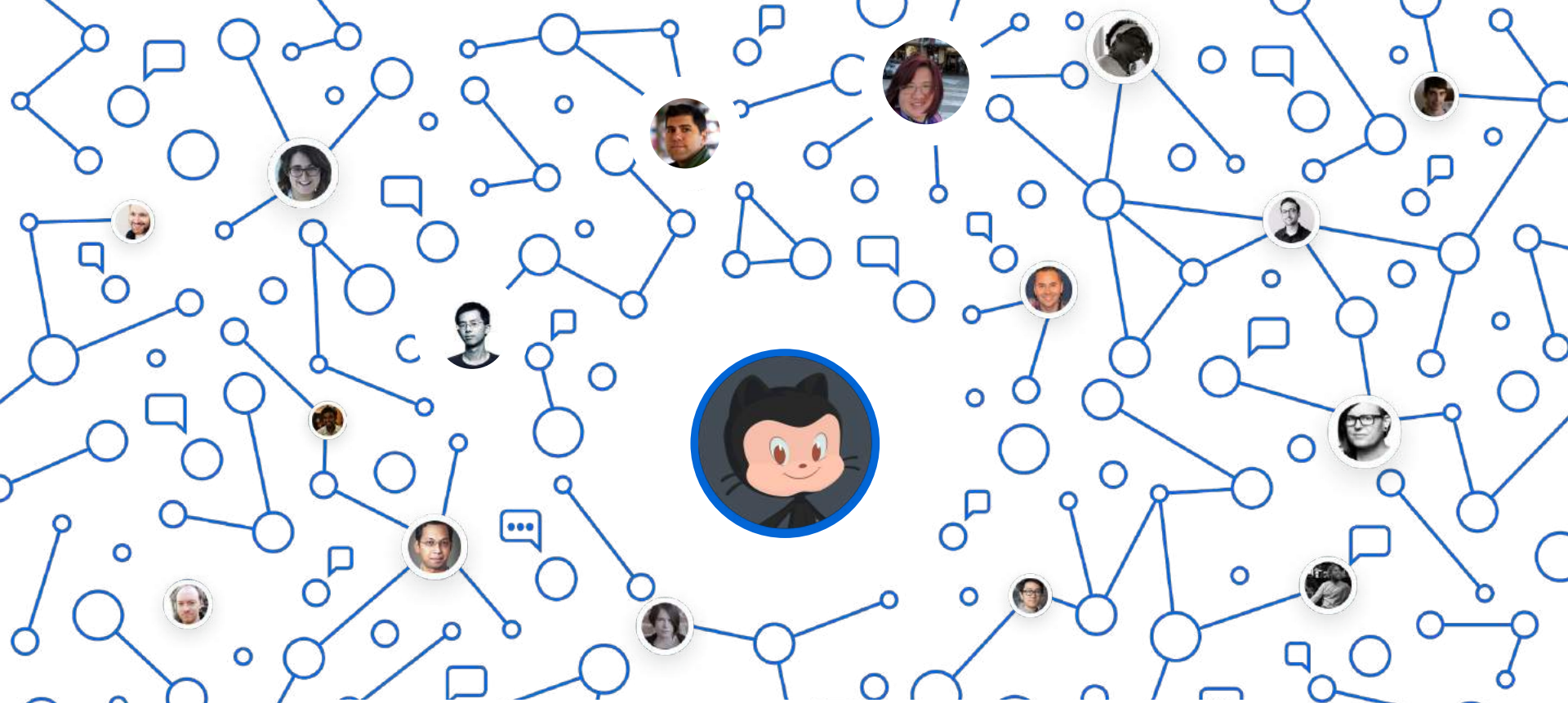


GitHub Actions

Community-led innovation for automated workflows

- 1150+ actions from the community
- Now with self-hosted runners and dependency caching

Collaborate with open source and innersource

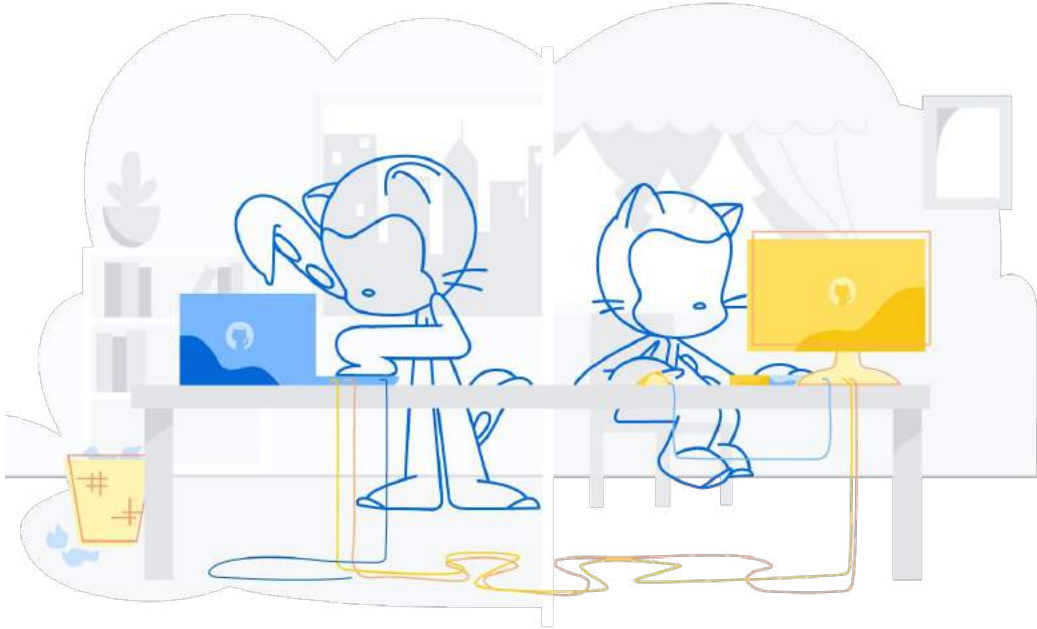

Interconnected community

Tap into the biggest open source community in the world and accelerate your innovation

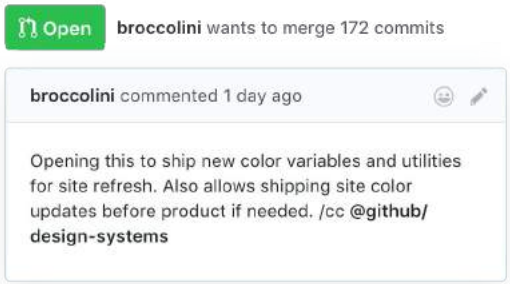
50+ million developers

1000s of top OS communities

1+ billion contributors

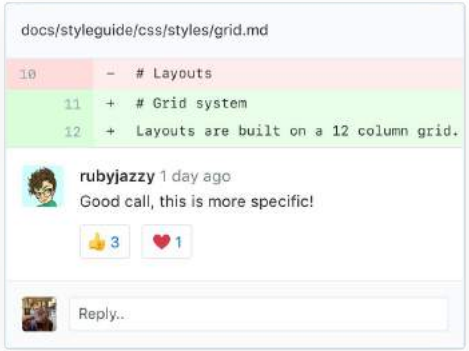


Innersource



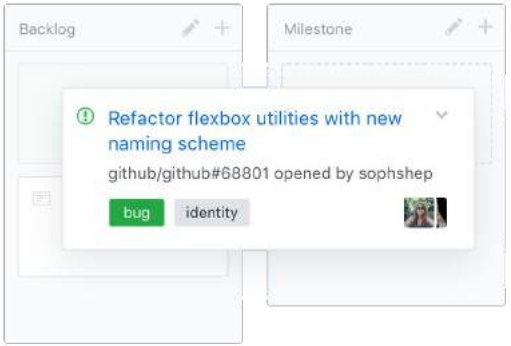
Pull requests

Submit a change, invite collaborators, and start a conversation. Get more input from your team to expand ideas.



Code reviews

Review line-by-line comments, suggest changes, and leverage integrations or robots to improve quality and speed.



Issues

Introduce discussion, create organizational knowledge, and a historical record and of ideas tried.

GitHub and the open source enterprise

Innersource

Connect your Enterprise to GitHub with Connect V2

Connect your developers to GitHub's community with private forks of public projects, enterprise search, and hybrid build scenarios.

Find experts to work with you with Profiles and Experts

Find the experts with the skills your team needs.

Automate your SDLC with Actions

Customize your software development lifecycle (SDLC) with code hosted on GitHub's Cloud.

Winning together

Nationwide®

90% reduction in merge times
Rewrote Nationwide Financial 6-months ahead of schedule and 40% below budget

Walmart

Faster, cheaper & better
We want you to consume OS because it's better, but we want you to contribute to the community

NASA Jet Propulsion Laboratory
California Institute of Technology

Greater collaboration
Code reuse was greater than 90%. Collaboration increased 20-fold.

GitHub enabled transparency

PayPal

4x increase in performance

SONY

30% increase in productivity

IBM

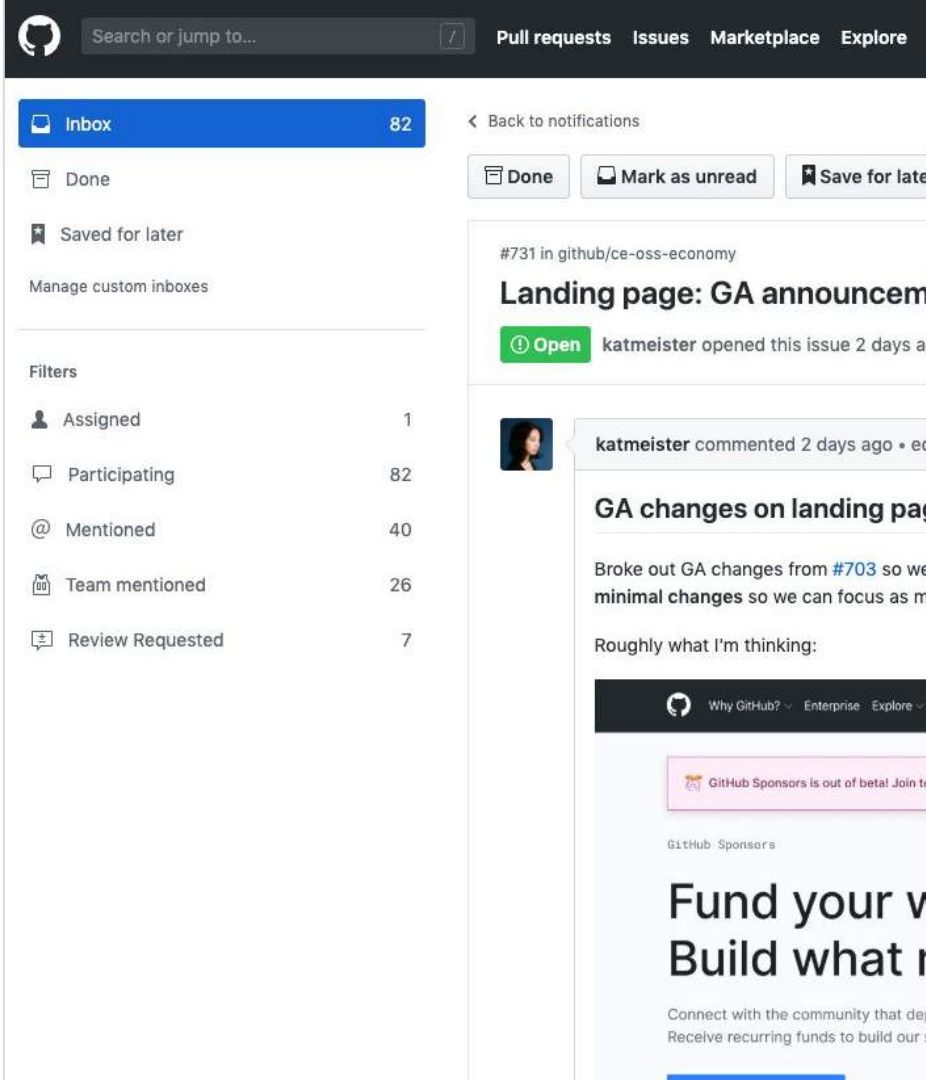
Giving employees greater tools to affect positive culture change
IBM teams using GitHub Enterprise to provide internal documentation - for engineering design, operations and support activities - have experienced 80% fewer escalation calls from first-line.

Notifications

Easier filtering, triaging, and response

- Email inbox-like interface
- Filter by team mentions, direct mentions and code reviews
- Sort and separate with custom categories

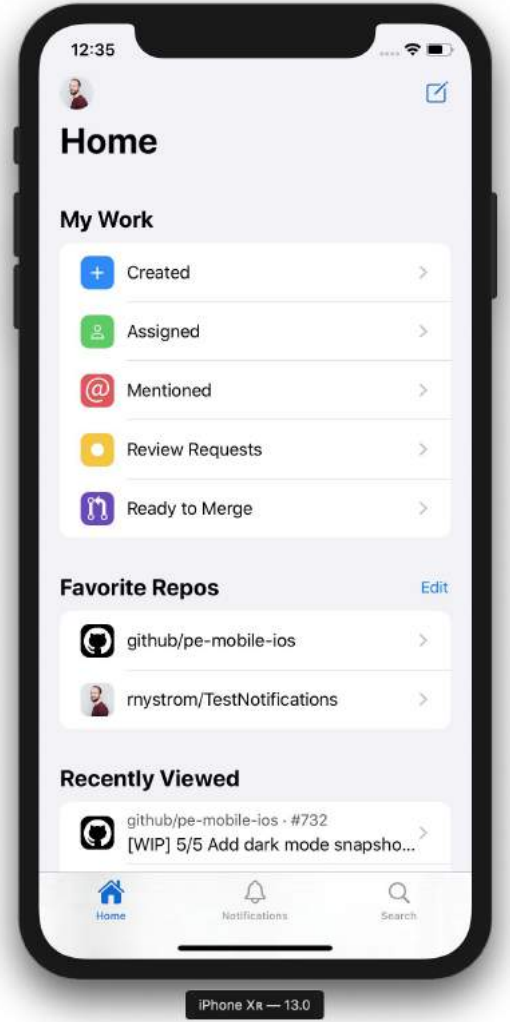
*Must be in GitHub for mobile beta for access



GitHub for mobile

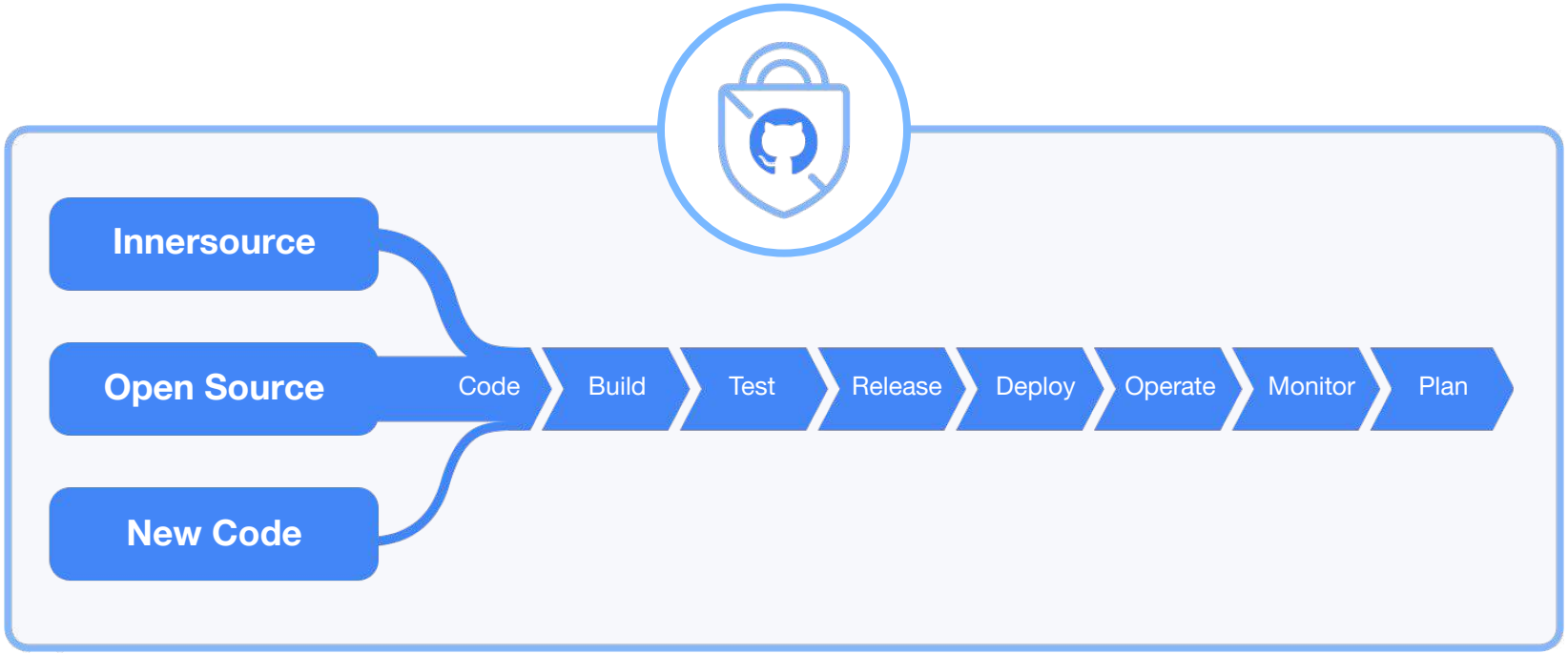
Collaboration anywhere

- Beautifully native: works on every phone size or iPad, with dark mode, and more
- Manage, triage, and clear incoming notifications
- Collaborate on issues and pull requests
- Available on iOS
  - Android coming soon



Securing the Software Supply Chain

GitHub secures the SDLC from open source maintainer to enterprise developer



Security

GitHub secures the SDLC from open source maintainer to enterprise developer

Automated security fixes

Dependency graph analysis

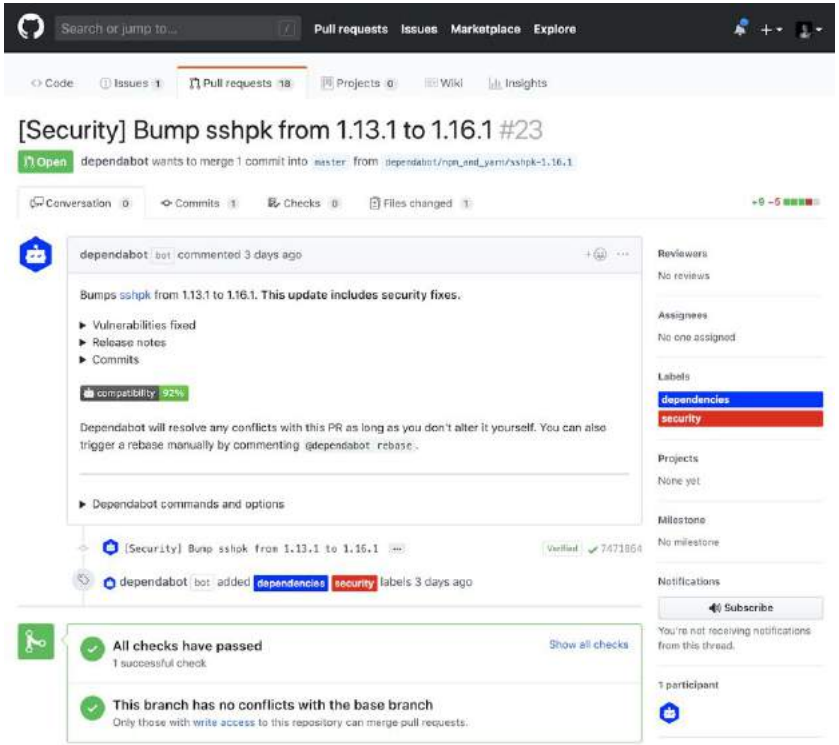
Maintainer security advisories

Code & Token scanning

Automated Security Fixes

Keep your code secure and up-to-date

- Remediation patches -> pull-requests
- Confidence Score on merge
- Planet scale “update” workflows



Security vulnerability alerts + WhiteSource

Track your dependencies on open source components

Notifications of vulnerabilities in dependencies—fix before you ship

WhiteSource data - partnership broadens coverage and provides additional remediation recommendations

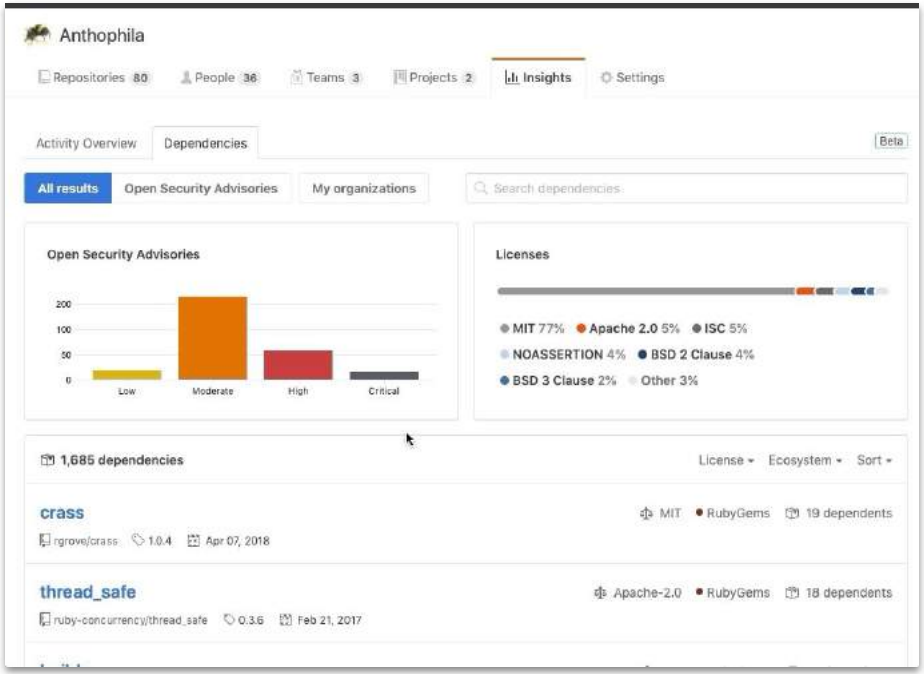
JavaScript, Ruby, Python, Java, .NET

Dependency insights

Understand open source dependencies and how they impact your business.

Drill-down to discover which dependencies have **security advisories** or risky **licenses** (e.g. GPLv3)

- Identify the repositories
- Take corrective actions



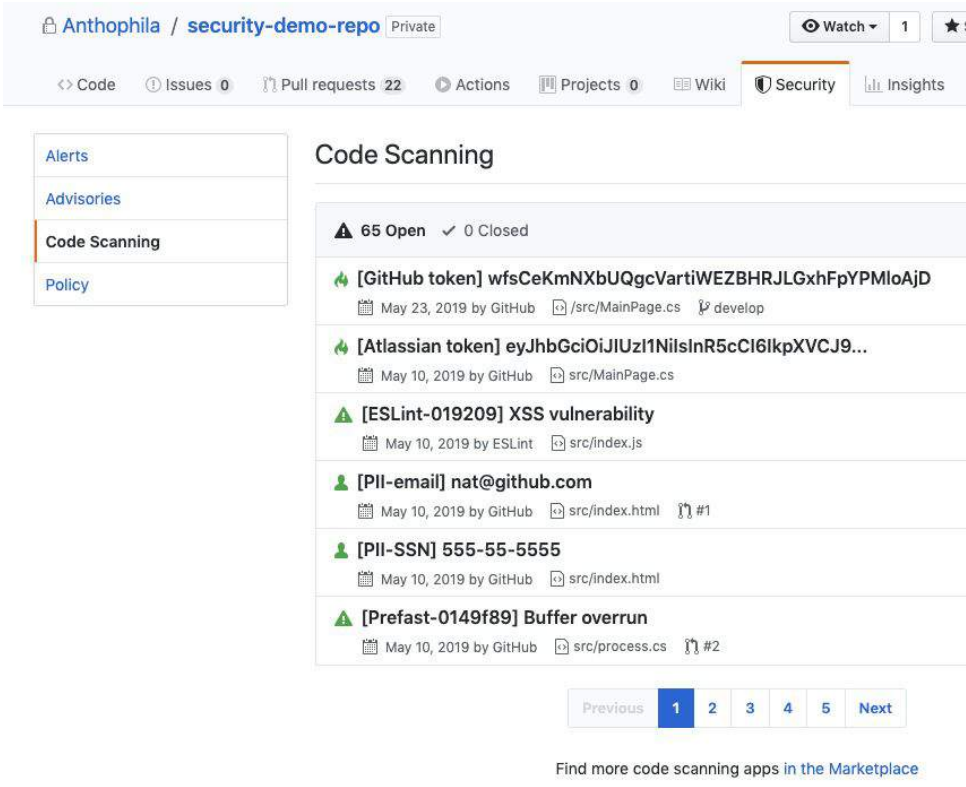
Code Scanning Platform

Platform and best-in-class tools for

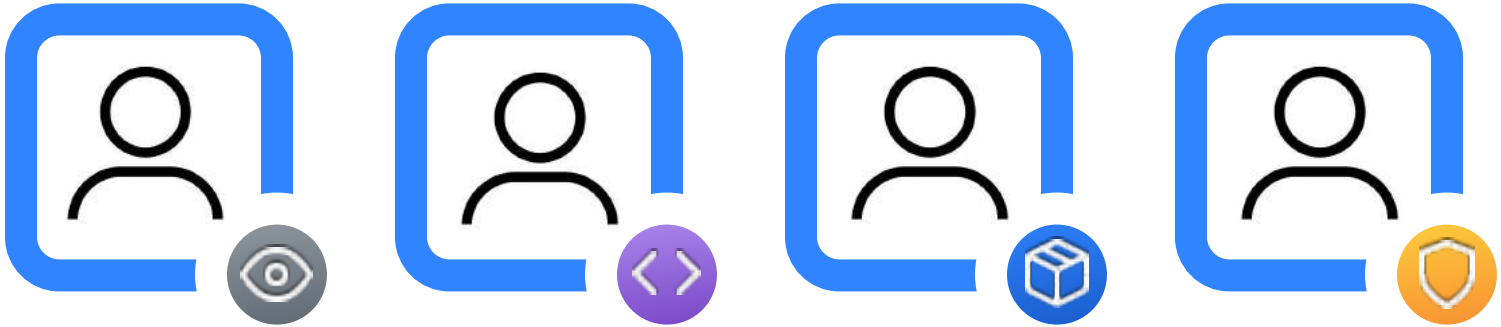
- Scanning and analyzing code
- Searching for vulnerabilities
- Finding and remediating credentials and secrets

Actionable, integrated into developer workflows

Ecosystem and community-powered



Securing software, together



Researchers

Maintainers

Developers

Security teams

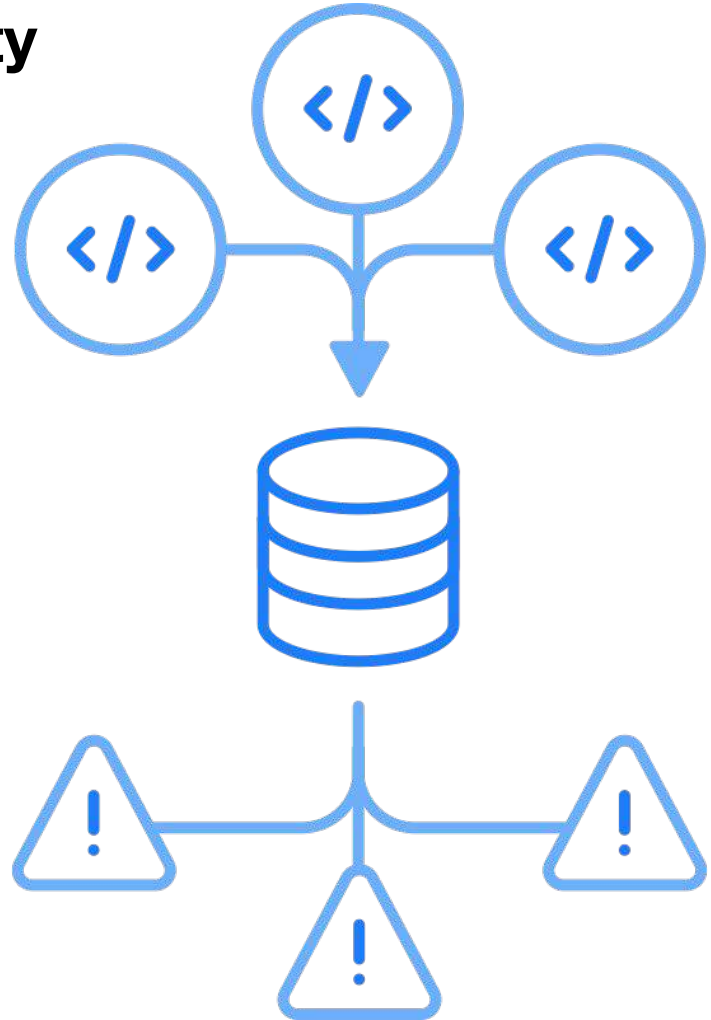
GitHub Advanced Security

Analyze code as data with CodeQL

Queries identify vulnerabilities and their variants

Prevents known variants as part of your CI

Community-led model continuously improves, 2000+ queries today

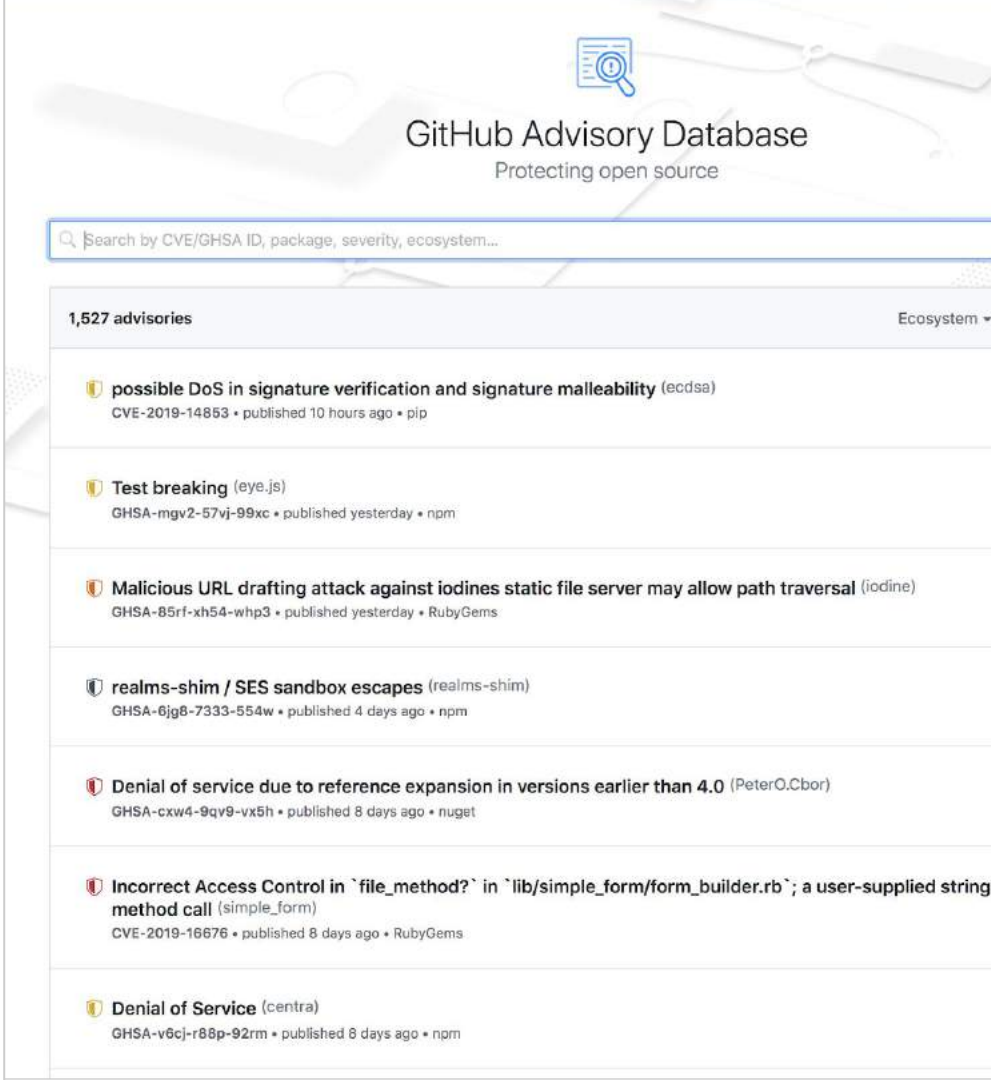


GitHub Advisory Database

Our vulnerability database is free and publicly available

Basis of GitHub security alerts, includes:

- Curated alerts from national databases
- Advisories reported directly to GitHub



GitHub Security Lab

Community coalition to advance software security for everyone

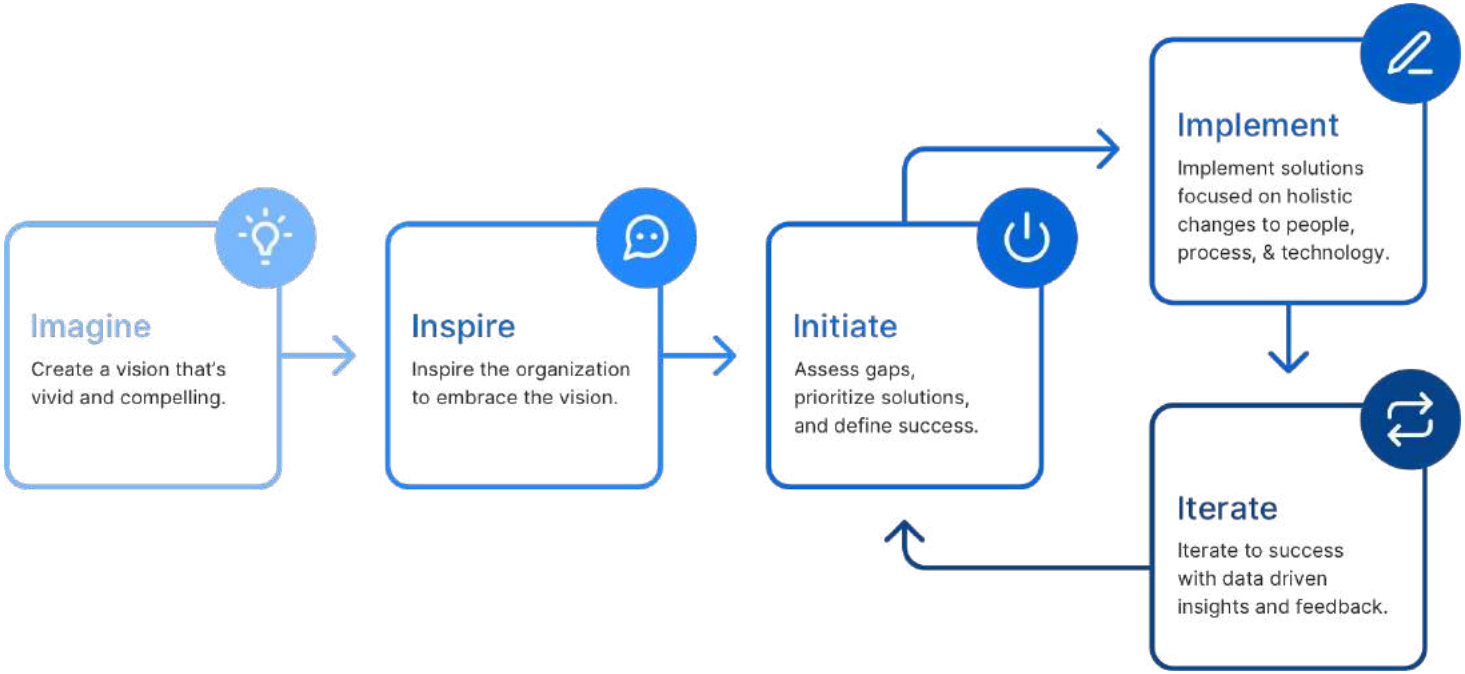
- Consists of industry leading organizations
- Leading tools, freely available to any affiliated or individual security researcher
- Bug bounties, research, and knowledge sharing

GitHub Enterprise

Next steps, together

No two journeys are identical

Five I's Services Framework



A team with over 200 years of collective experience building tailored solutions for customers.

- Solutions architects
- DevOps engineers
- Implementation engineers

Whatever your challenge, we are here to help