

Masterclass GitHub

Escola Nacional Saúde Pública

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25/10/2024

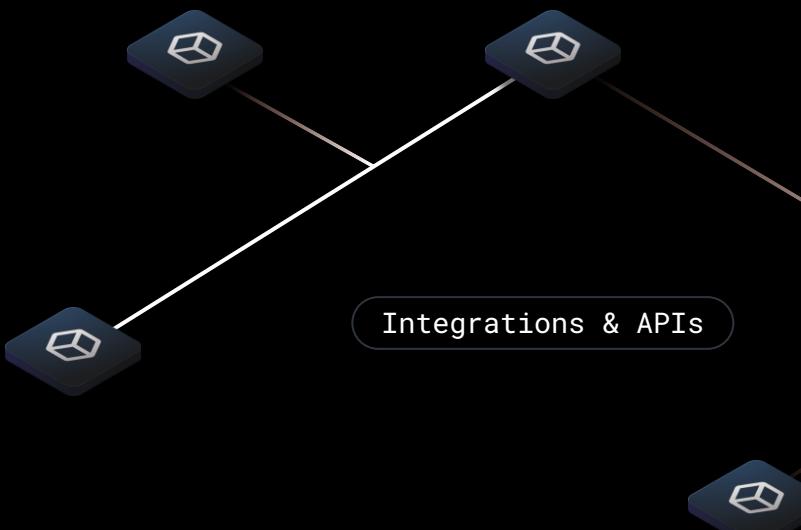


**“By 2030, I believe there will be 1 billion
developers on GitHub”**

Thomas Dohmke – CEO at GitHub

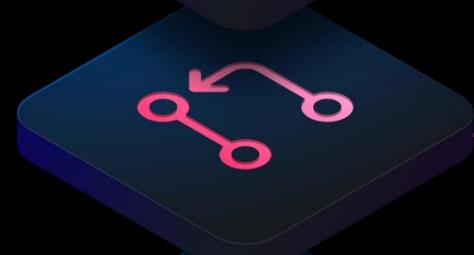


AI-powered developer platform



Powered by AI

- Maximize developer happiness
- Increase developer productivity
- Accelerate software development



Collaboration

- Pull requests
- Projects
- Issues
- Discussions
- Merge queue
- Search



Productivity

- CI/CD with Actions
- Automation
- Copilot
- Codespaces
- Runners
- npm



Security

- Advanced Security
- Secret scanning
- Security overview
- Supply chain
- Dependabot



Scale

- 100M+ developers
- Source code management



100M+

Registered Users



4M+

Organizations



330M+

Repositories



90%

Fortune 100

...and backed by the world's
largest software company



Repos

Enabling open-source culture and best practices in your organization

Increased collaboration

Create an innersource work culture by encouraging teams to collaborate within your organization using the same processes and practices as open-source communities.

Breaking silos

Simplify collaboration across teams to allow for easier sharing of knowledge, improved code reuse, and secured workflows.

Higher developer satisfaction

Leverage innersource and open-source practices to increase developers' satisfaction and allow them to work on interesting projects and improve their skills.

The screenshot shows a GitHub pull request for the `microsoft/vscode` repository. The pull request is titled "Command and Keybinding for adding multi cursor from search result" and is merged. It contains 6 commits from `robloourens` into the `master` branch from `njkevlani:feature/multi-cursor-on-search`. The code changes are shown in the `src/vs/editor/contrib/multicursor/multicursor.ts` file, specifically lines 631 to 642. The code adds a new `MultiCursorSelectionController` class that implements `IEditorSelectionController`. It includes methods for setting selections and selecting all using selections. The code is annotated with comments and type annotations.

```
631  @@ -631,6 +631,12 @@ export class MultiCursorSelectionController extends Disposable implements IEditorSelectionController {
632      this._setSelections(matches.map(m => new Selection(m.range.startLineNumber, m.range.startColumn, m.range.endLineNumber, m.range.endColumn)));
633  }
634  +
635  + public selectAllUsingSelections(selections: Selection[]): void {
636  +     if (selections.length > 0) this._setSelections(selections);
637  +
638  +
639  +
640  }
641
642  export abstract class MultiCursorSelectionControllerAction extends EditorAction {
```



Actions

Enterprise-grade CI/CD that supports
Windows, Linux, Mac

Marketplace of 20,000+ Actions by our community

Any operating system, cloud and on-prem

Fully-managed, friction-free service hosted runners

Natively integrated into GitHub workflows

Automated Delivery

Automating workflows from code to cloud

Accelerate delivery through automation

Automation triggers for 20+ project events allows for automation beyond just CI/CD to any available API

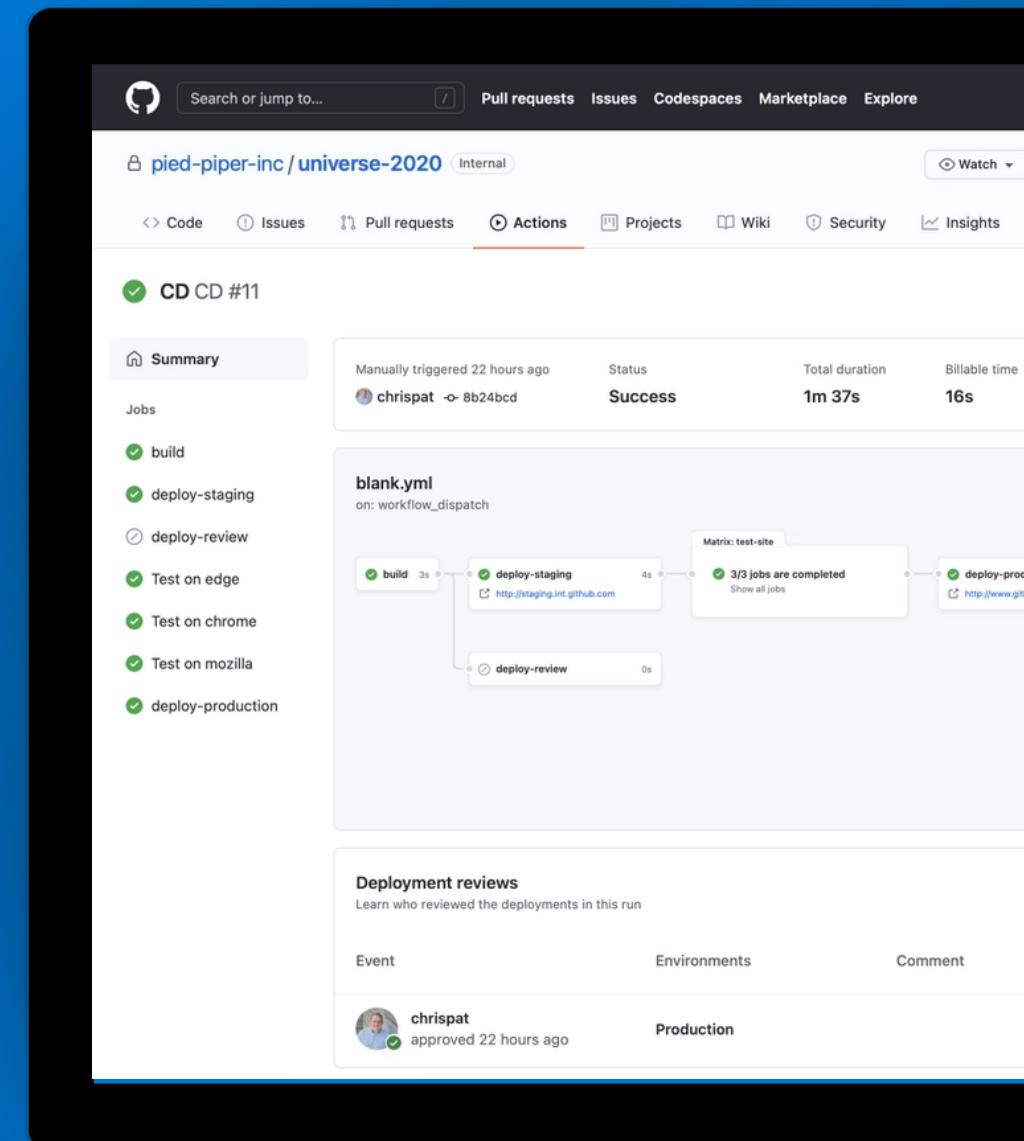
Simple and easy to use

Configuration based on YAML with a host of sample workflows to learn from and get started

Global community for actions

16,000+ open source Actions, maintained by the community and by companies offering integrations, including Microsoft Azure

<https://github.com/features/actions>



Reusable workflows

Teams can define & control standard workflows making it easier for developers to use approved workflows.

GitHub-hosted runners

Let GitHub scale and maintain the runners for your Actions workflows giving you back the headcount, time, and velocity to focus on the stuff that matters.

```
name: Reusable workflow example

on:
  workflow_call:
    inputs:
      username:
        required: true
        type: string
    secrets:
      token:
        required: true

jobs:
  example_job:
    name: Pass input and secrets to my-action
    runs-on: ubuntu-latest
    steps:
      - uses: ./github/workflows/my-action
        with:
          username: ${{ inputs.username }}
          token: ${{ secrets.token }}
```





Actions

Actions allowed Pinterest to build, test, and deploy all from GitHub, automating CI/CD and reducing build time from 80 to 10 minutes, enabling developers to focus on code contributions

“

“It’s a really nice interface and the CI speed is so much faster. It’s been positive for everybody involved.”

-Jon Parise, Engineering Architect



The screenshot shows a GitHub pull request page for a private repository 'pied-piper-inc / fib-module'. The pull request is from 'jeremyepling' to 'master' from 'jeremyepling-patch-14'. The commit 'Create nodejs.yml' has been merged. The interface shows a 'Conversation' with a comment from 'jeremyepling' stating 'No description provided.' Below the commit, a 'Checks' section is displayed, showing three in-progress checks for Node CI / build (8.x, 10.x, and 12.x) and a green checkmark indicating 'This branch has no conflicts with the base branch'. A 'Merge pull request' button is at the bottom.



Issues & Projects

Project management made simple

Start with an issue

Create an issue to suggest a new idea or track a bug.

Then organize and assign tasks to your team.

Link issues and pull requests

Track updates to your project without complicating your workflow by crosslinking between issues and pull requests anywhere in your GitHub organization.

See your work take shape with Projects

Visualize all of your work and prioritize it right alongside your code with projects boards. See what tasks are planned or in-progress, either in a repository or across your organization.

The screenshot shows the GitHub Projects interface for the 'SmartTractor' repository, specifically the 'Soil Data V1' project. The interface is organized into several boards:

- Backlog (13):** Contains items like "Collect satellite data and deliver to farmers" (Added by Sam) and "Launch Plan" (Added by Sam).
- In Progress (6):** Contains items like "Crawl tractor engine data (John Deere)" (">#68801 opened by Melinda) and "Performance updates for data script" (">#71011 opened by Sam).
- Ready to review:** Contains items like "User testing with farmers in China" (Added by Eddie) and "Figure out internationalization" (Added by Sophie).

Each item in the backlog and in progress lists includes a description, the user who added it, and a link to the GitHub issue or pull request. The interface uses a clean, modern design with a dark header and light-colored cards for each project item.

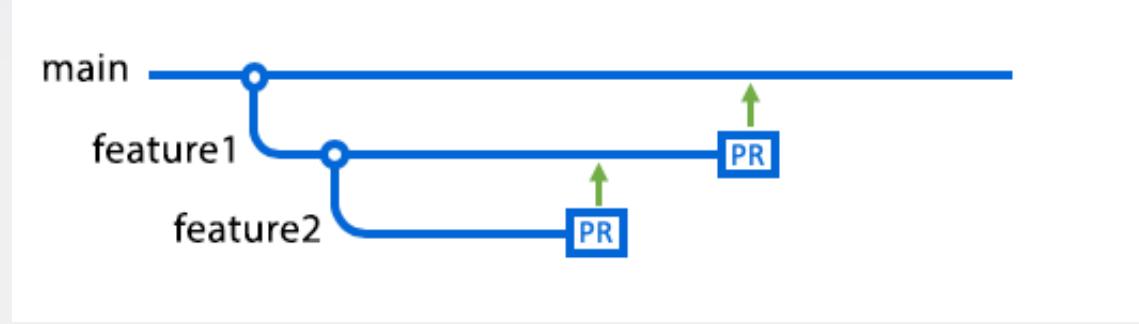


How merge my code changes?

Branch Strategies

Pull Requests

The screenshot shows the GitHub interface for creating a pull request. The top navigation bar includes 'Code', 'Issues', 'Pull requests', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Pull requests' tab is selected. The main area is titled 'Open a pull request' with the sub-instruction 'Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.' Below this, a dropdown menu shows 'base: master' and 'compare: new_branch', with a green checkmark indicating 'Able to merge'. The main content area contains a text editor with the placeholder 'Adding a test file to new_branch', a preview section, and a comment area. On the right, there are sections for 'Reviewers', 'Assignees', 'Labels', 'Projects', and 'Milestone'. At the bottom, there are buttons for 'Create pull request' and 'Leave a comment'. Below the main form, there are summary statistics: '1 commit', '1 file changed', '0 commit comments', and '1 contributor'. At the very bottom, it shows 'Commits on Jul 17, 2019' and the commit details 'Adding a test file to new_branch' with hash 'db484b5'.



Use a **branch** to isolate development work without affecting other branches in the repository. Each repository has one default branch and can have multiple other branches. You can merge a branch into another branch using a pull request.

A **pull request (PR)** is a proposal to merge a set of changes from one branch into another. In a pull request, collaborators can review and discuss the proposed set of changes before they integrate the changes into the main codebase.



Data Privacy

Data Privacy & GDPR

Public vs Private Repo

git filter-repo & .gitignore

License File

Avoid Uploading Personal Data

Create **private repositories** for any project where sensitive information might be involved.

You can create a `.gitignore` file in your repository's root directory to tell Git which files and directories to ignore when you make a commit.

Masking Sensitive Data:

If you accidentally commit sensitive data (like passwords), remove it with tools like `git filter-branch` or `BFG Repo-Cleaner` to scrub the data from your Git history.

GDPR-Compliant Licensing:

If you're working on a collaborative project, ensure your project adheres to licensing terms that respect data privacy. Public repositories usually benefit from having a clear license, like MIT or GPL, but none of these should allow sharing personal data.

Education and Awareness:

Familiarize yourself with GitHub's GDPR guidelines and privacy settings to better understand how they manage data and what actions you can take to protect your information.

Codespaces

For Team and Enterprise Cloud

Blazing fast cloud developer environments



The screenshot shows the VS Code interface with the following details:

- EXPLORER** pane: Shows the project structure with items like .github, .vscode, build, extensions, node_modules, out, remote, resources, scripts, src, test, gulpfile.js, cgmanifest.json, package.json, product.json, tslint.json, and README.md.
- OPEN EDITORS** pane: Shows two open files: gulpfile.js (selected) and breadcrumbs.ts.
- VS CODE** pane: Shows various configuration and resource files.
- Editor** pane: Displays the content of gulpfile.js, which includes a copyright notice, strict mode, a max listener limit, and several Gulp tasks (clean-client, compile-client, watch-client).

```
/*
 * Copyright (c) Microsoft Corporation. All rights reserved.
 * Licensed under the MIT License.
 */
'use strict';

// Increase max listener limit
require('events').EventEmitter.defaultMaxListeners = 100;

const gulp = require('gulp');
const util = require('util');
const path = require('path');
const compilation = require('compilation');

// Fast compile for development
gulp.task('clean-client', () => {
  util.log(`Cleaning ${path.resolve('out')}`);
  return compilation('clean-client');
});
gulp.task('compile-client', () => {
  util.log(`Compiling ${path.resolve('src')}`);
  return compilation('compile-client');
});
gulp.task('watch-client', () => {
  util.log(`Watching ${path.resolve('src')}`);
  return compilation('watch-client');
});
```



Copilot

Your AI pair programmer.

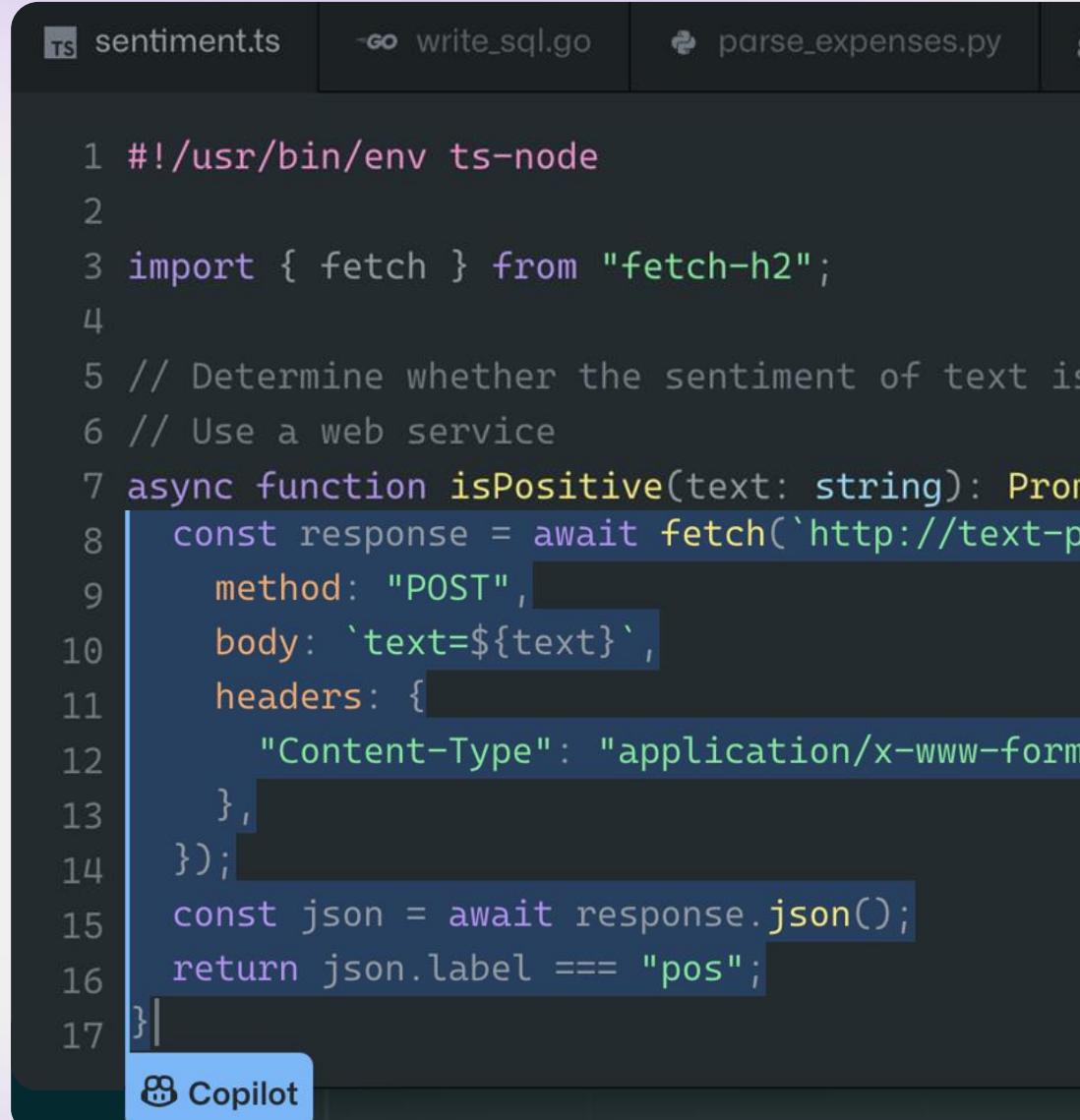
Uses the context you've provided and synthesizes code to match.

Convert comments to code

Autofill for repetitive code

Autosuggest tests

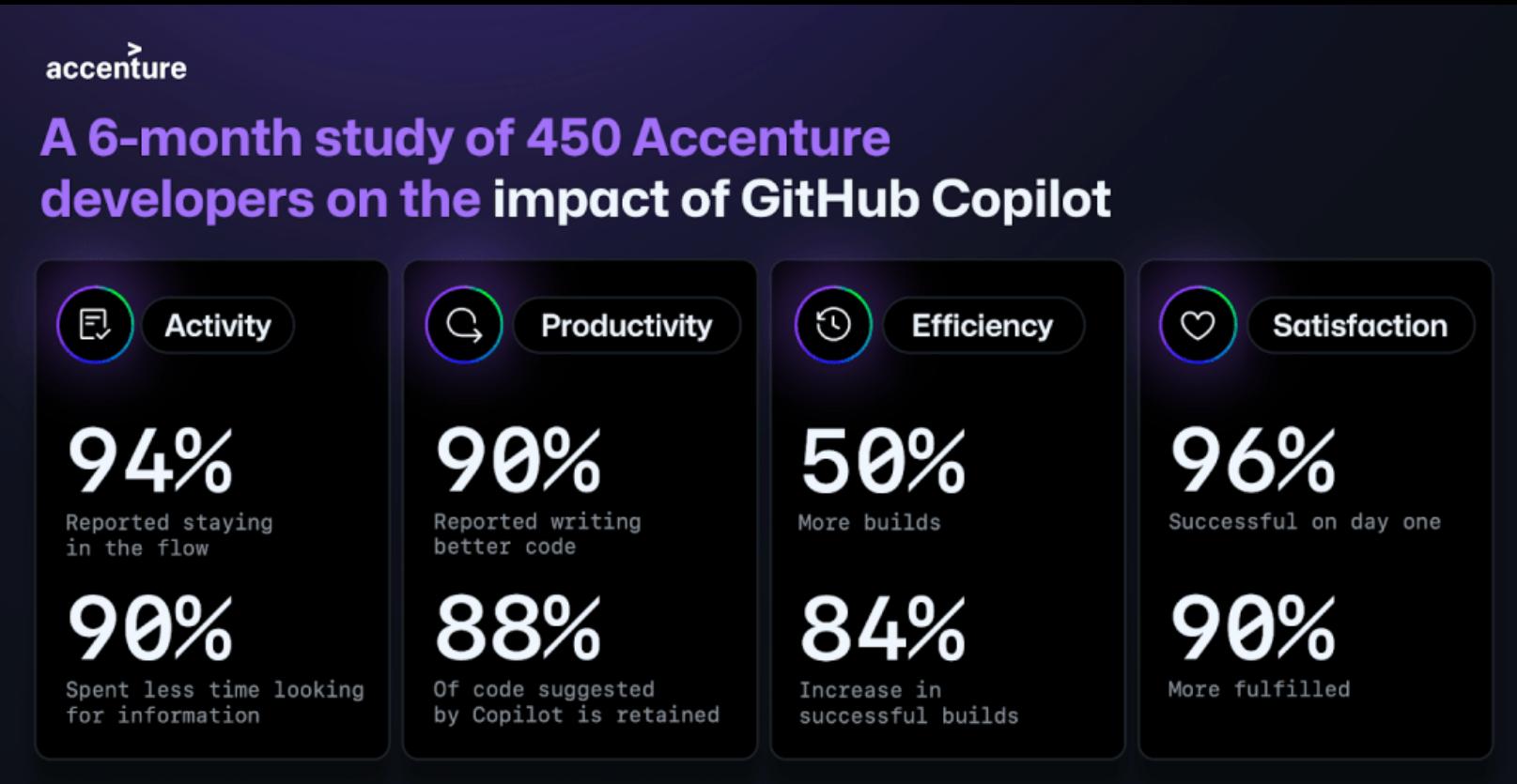
Show alternatives



sentiment.ts

```
1 #!/usr/bin/env ts-node
2
3 import { fetch } from "fetch-h2";
4
5 // Determine whether the sentiment of text is
6 // Use a web service
7 async function isPositive(text: string): Promise<boolean> {
8   const response = await fetch(`http://text-processing.com/sentiment?text=${text}`);
9   const json = await response.json();
10  return json.label === "pos";
11}
12
13
14
15
16
17}
```

Copilot





GitHub Advanced Security

Natively embedded security with unparalleled access to curated security intelligence unlocking your ability to keep your code, supply chain, and secrets secure before you push to production

48%

Real-time fix rate in the PR

72%

Fix rate in 28 days

22%

Productivity boost realized compared to traditional tools

The screenshot shows a GitHub security advisory page for the repository `fresh-co/checkout`. The advisory is titled "Sensitive information exposure through logs" and is marked as "Pending". It was disclosed by `mayathepolarbear` just now. The advisory details a flaw where global search results could include author information on some activities where a user may not otherwise have access to it. The impact is described as follows:

Impact

• Unordered list item
• Unordered list item
• Unordered list item
• Unordered list item
• Unordered list item

The advisory also notes that `mayathepolarbear` added as a collaborator just now. There is a button to "Collaborate on a patch in private" and a message thanking the user for submitting a disclosure.



GitHub for Mobile

Collaborate and develop, on-the-go

Review pull requests with ease

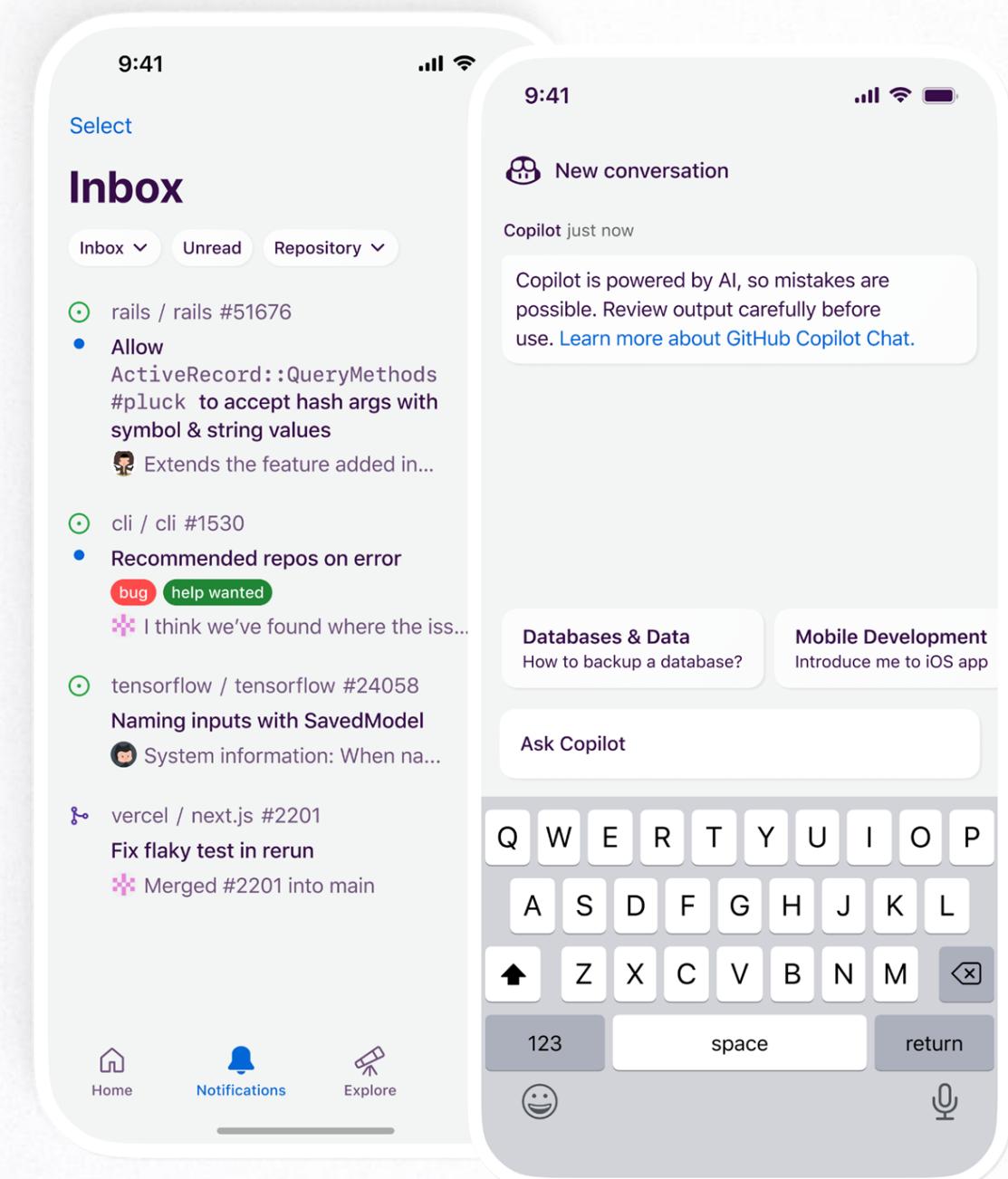
Whether you're reviewing a bug fix or merging code, we've got you covered. From your daily commute to grabbing a coffee, unblock your team on the go.

Stay up to date with notifications

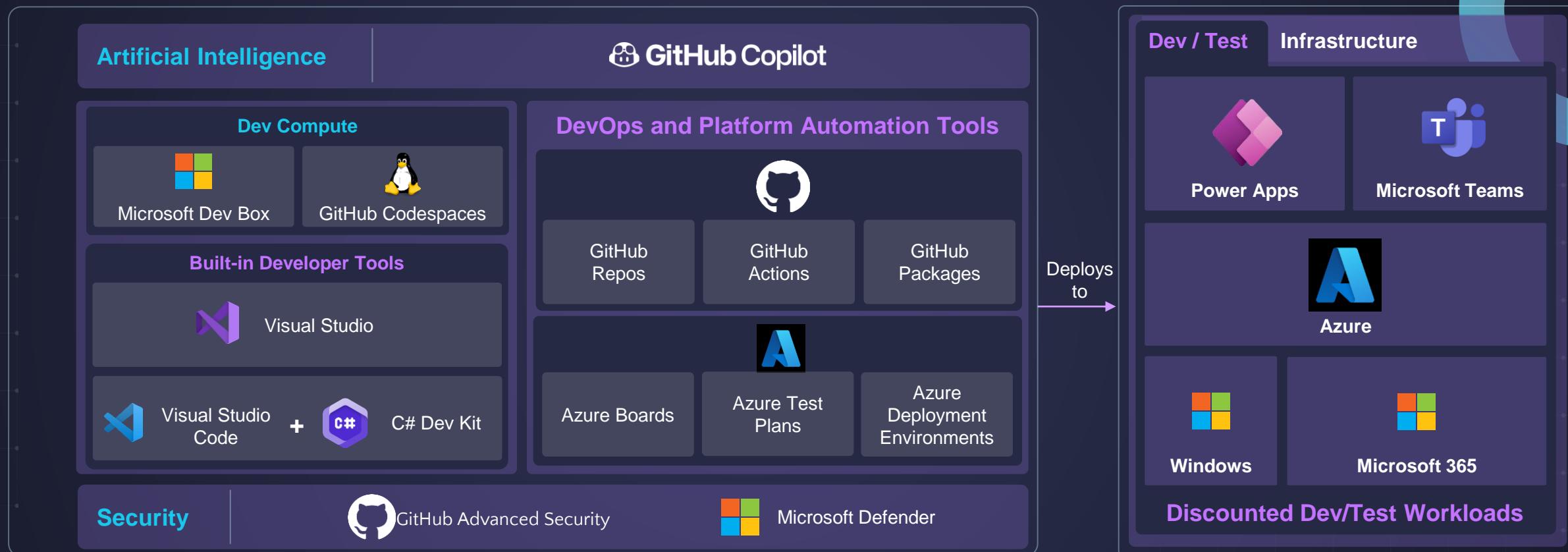
Stay informed on actions that require your attention from anywhere.

Converse with your copilot

Ask GitHub Copilot to break down complex coding concepts, guide you through unfamiliar codebases, and provide insights into both public and your private repositories – all in natural language.



Developer drives Compute, Copilot, Security



Developer Skilling

Microsoft dev community, Technical Support, CODE Magazine, DataCamp, LinkedIn Learning, Pluralsight
Azure Credits for learning and experimentation

*Included in VSS+GHE Bundle

**Additional purchase



Insights and Data

The GitHub Difference



<https://resources.github.com/devops/tools/compare/>

User case

Planning, tracking, and project management

Collaboration

Application security

Automation & CI/CD

Innovative capabilities

Platform security

Scalability

GitHub

- Comparable native capabilities

- Comparable native capabilities

- Native iOS and Android mobile applications to enable collaboration on any device

- Native capabilities based on GitHub's own IP

- Integrations to third-party commercial products and open source solutions also supported

- Comparable native capabilities

- Cloud-hosted developer environments with [GitHub Codespaces](#)

- AI programming assistance with [GitHub Copilot](#) (currently in technical preview)

- Third-party integrations

- Comparable native capabilities

- Complete control over identity provisioning, access and removal of permissions with [Enterprise Managed Users](#) in the cloud

- Comparable native capabilities

- Hosts the world's largest code graph with over 73 million registered users on [github.com](#), and more on self-managed deployments

- [99.99% uptime guarantee](#) with GitHub Online Services SLA

GitLab

- Comparable native capabilities

- Comparable native capabilities

- Capabilities based on embedded open source projects and integrations with other open source solutions

- Comparable native capabilities

- Third-party integrations

- Comparable native capabilities

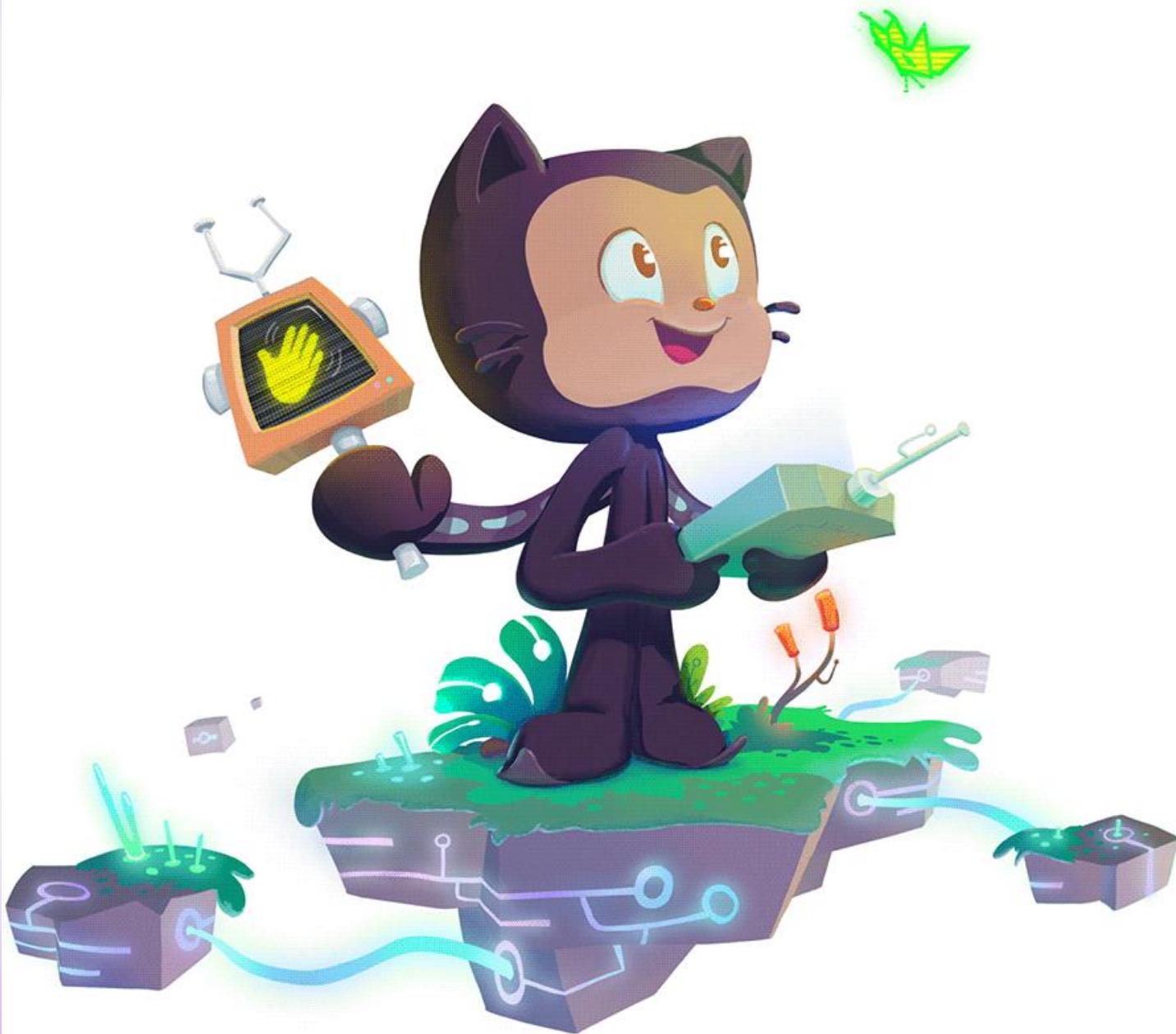
- Comparable native capabilities

- Claims estimated 30 million users including estimated user counts from self-managed deployments

- Uptime SLA is not available



Demo





Usage of GitHub

**90% of Fortune 100
companies use GitHub.**



GitHub + Carlsberg





Automotive excellence begins with a seamless developer experience on GitHub

GitHub-powered solutions

GitHub Enterprise — Centralized 90% of source code on GitHub to increase collaboration and code sharing across global business units.

GitHub Actions — Automates testing, deployment, and infrastructure workflows, saving developer time and onboarding new engineers faster.

GitHub Issues — Marketing, sales, HR, and developer teams use Issues for project management and collaborate more efficiently.

Impact

Streamlined DevOps processes across 65,000+ repositories enables Mercedes-Benz to ship innovations to customers faster.





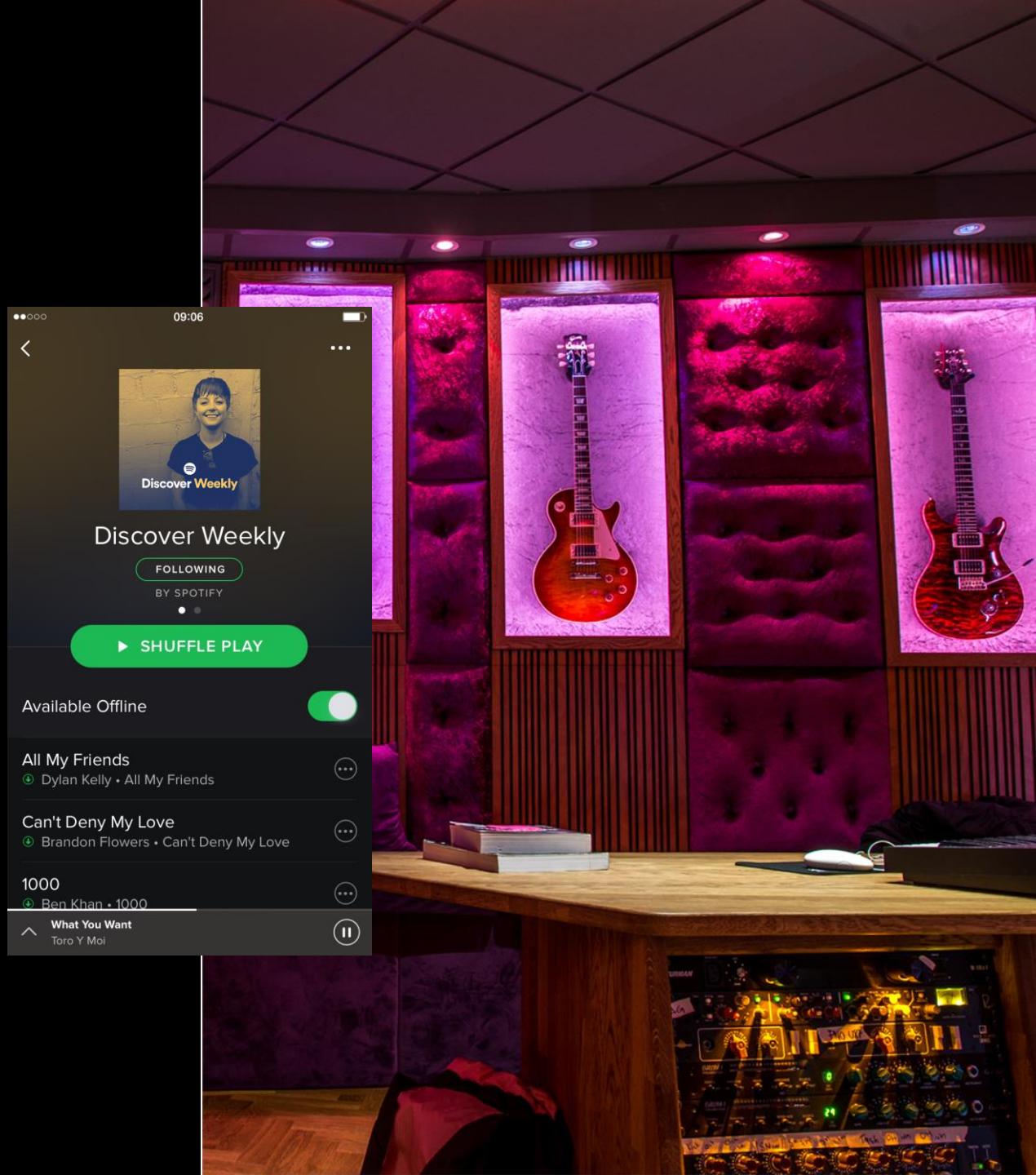
Accelerating software development with open source

- Committed to an open source model to build more robust software, faster.
- Facilitates code discoverability and reuse throughout the organization
- Innersourcing allows Spotify to maintain the benefits of open source in proprietary projects

“People know what a pull request is because it’s how they contribute to open source projects. With GitHub Enterprise, no one has to relearn the wheel.”

—Laurent Ploix, Product Manager

<https://github.com/customer-stories/spotify>





ĞÍTŶHÛB GRÔÑ tŷo

2600

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nâiŋ ôsô

700

uşêss

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ŋôŋ êŋgînêêss

êŋgînêêss

>1500

řułł' sêrûêştŷş nôŋtŷh

450

ĞHAŞ l'içêŋşêş

çôwêsîŋg ... sêrôş áctŷiŵê çôŋŋîtŷêss

şêcsêş şçâŋŋîŋg řuʂh řsôtŷêctŷiŋh êŋáčlêđ



THE NEED FOR CHANGE

Centralized çôđê îŋ ôŋê şîŋg'lê şääş řlătſgôsŋ ĞîtſHüč

Innersourcing گسے‌اچ‌لے سے دعویٰ کے چولہا لاملا چوں ساچیوں گسیچتیوں

Passive security ɳêáşuşêş xîtħi ĠHAŞ

Côřil'ötj Açıjîoŋş Rsôkêcťş

Şhîghtj őgôçus tñôxåsðs delivering value sâtjhës ôj nååñtjêñåñçê





Rsôkêctş čôåsđş đáił'y şçşuň

Wê ðsiwê ôus **dailies** tñhsôuğh ĞitşHuç Rsôkêctş
Tñhê ìñtşêsgáçê îs wêsy **responsive** áñđ şñářry
Açtşîoñş **automate transitions & assignments** čåşêđ ôñ
láčêlş

The screenshot shows a digital Kanban board interface with a dark theme. The board is titled 'Jan' and includes navigation links for 'Kanban', 'Kanban (Sprint)', 'Kanban (Roadmap)', 'My Tasks', and 'Table (All)'. A search bar at the top says 'Filter by keyword or by field'. The board is divided into columns: 'No Status' (61 tasks), 'Icebox' (42 tasks), and 'Roadmap' (10 tasks). Each task is represented by a card with the following details:

- No Status (61):**
 - jan #1371: feat: TPS Report generator (tokens per second) | status: needs info | type: feature request | assignee: janhq/jan
 - jan #1328: docs: teams page | type: documentation | assignee: janhq/jan
 - jan #1356: bug: App launches on Mac OSX M1, but fails to start | type: bug | assignee: janhq/jan
 - jan #1329: docs: how to change engine settings | type: documentation | assignee: janhq/jan
 - jan #983: feat: Llava2/Baklava for Multi-modal | roadmap: Jan Runs Models | type: feature request | assignee: janhq/jan
 - jan #1221: feat: Jan lets user choose which GPU to run Model on | type: enhancement | assignee: janhq/jan
- Icebox (42):**
 - jan #954: epic: Extensions UI API | roadmap: Jan Core & Extensions SDK | status: duplicate | type: epic | assignee: janhq/jan
 - jan #728: epic: Jan Mobile | roadmap: Jan Mobile | status: needs designs | type: epic | assignee: janhq/jan
 - jan #1249: epic: Jan Studio (users can finetune) | roadmap: Jan Foundry | status: needs specs | type: epic | assignee: janhq/jan
 - nitro #100: feat: Add pip installation | P1: important | type: feature request | assignee: janhq/nitro | roadmap: Nitro Roadmap
 - nitro #242: Enhance E2E Testing: Add Additional Test Cases for Nitro on All Target OS (Windows, macOS, Ubuntu) | roadmap: QA | type: enhancement | assignee: nitro/nitro
- Roadmap (10):**
 - jan #1328: docs: teams page | type: documentation | assignee: janhq/jan
 - jan #1356: bug: App launches on Mac OSX M1, but fails to start | type: bug | assignee: janhq/jan
 - jan #1329: docs: how to change engine settings | type: documentation | assignee: janhq/jan
 - jan #983: feat: Llava2/Baklava for Multi-modal | roadmap: Jan Runs Models | type: feature request | assignee: janhq/jan
 - jan #1221: feat: Jan lets user choose which GPU to run Model on | type: enhancement | assignee: janhq/jan
 - nitro #100: feat: Add pip installation | P1: important | type: feature request | assignee: janhq/nitro | roadmap: Nitro Roadmap
 - nitro #242: Enhance E2E Testing: Add Additional Test Cases for Nitro on All Target OS (Windows, macOS, Ubuntu) | roadmap: QA | type: enhancement | assignee: nitro/nitro



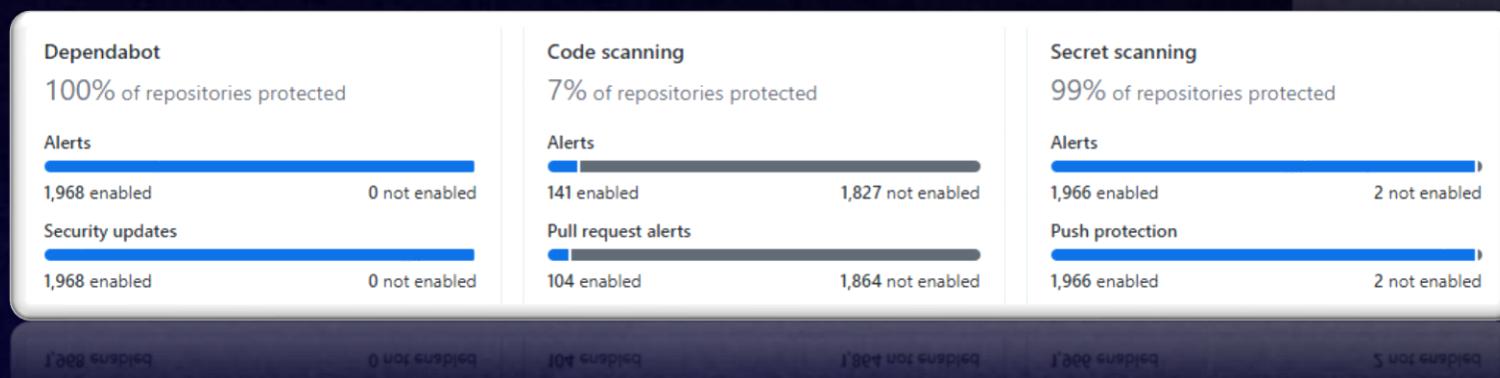
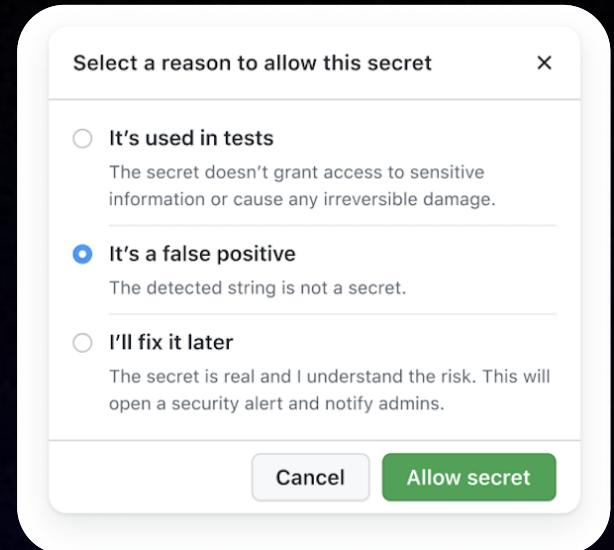
ĞÍTŶÜB ADΛAÑCÉD ŞÉCÛRÍTŶ

GHAS ęull' çôwêsâgê xîtjh' ` . sâtjiô ênjačlêd ęôs **all repos**

Secret scanning push protection ţâşşîwêl'y ţsêwênjş ǎççîdênjş

Dêrêñdâčotj ۆřeňs RRş ęôs **vulnerabilities updates**

CODEQL iş ştjîll' xôsl iŋ ţsôğsêşş





RÛŞH RRÔTÉCTÍÔN

Improved passive security xîtjh Cûştjôñ

Râtjtjêş Rûşh Rsôtjêctjîôñ

ÍBANş ŞŞH Kêyş ĞRĞş êtç

Tîll' tjôđây GHAS prevented nôsê tjhâñ
, . . . şêcsêtjş čêîñg rûşhêđ

Most blocked secret types	
IBAN with spaces (custom pattern)	55
Amazon AWS Secret Access Key	18
Amazon AWS Access Key ID	17
Azure Active Directory Application Secret	17
GitHub Personal Access Token	16
Azure Cosmosdb Key Identifiable	13
Google Cloud Service Account Credentials	11
Google Cloud Private Key ID	9
OpenAI API Key	9
Azure Storage Account Access Key	8
Google OAuth Client ID	8
Google OAuth Client Secret	8
Google Cloud Private Key (custom pattern)	7
JFrog Platform API Key	7
GPG Private Key (custom pattern)	6
HashiCorp Vault Service Token	6
Azure Function Key	5
JFrog Platform Reference Token	4
Azure Search Admin Key	3
Amazon Secret Pattern (custom pattern)	2



Notorious GitHub Hacks and Security Breaches

The New York Times

Twitter Says Parts of Its Source Code Were Leaked Online

The leak adds to the challenges facing the Elon Musk-owned company, which is trying to identify the person responsible and any other people who downloaded the code.

The New York Times has issued a statement after someone leaked a significant amount of source code allegedly belonging to the news giant.

Reports emerged on Friday that someone had leaked 270 Gb of source code allegedly taken from The New York Times on the 4chan bulletin board.

New York Times source code leak Anonymous

06/07/24(Fri)00:52:59 No.100843783 ► >>100843802 >>100843978
>>100844070 >>100844150 >>100844777 >>100844792 >>100845293 >>100845778
>>100846117 >>100846243 >>100846555 >>100846913 >>100846941 >>100846950
>>100847017 >>100849584 >>100851468 >>100853505 >>100853997 >>100855266
>>100859241 >>100861447 >>100862588 >>100862977 >>100863181 >>100863820
>>100867062 >>100868303 >>100869819 >>100870654 >>100870764

Basically all source code belonging to The New York Times Company, 270GB. There are around 5 thousand repos (out of them less than 30 are additionally encrypted I think), 3.6 million files total, uncompressed tar. Please seed, the seedboxes

might not be enough.

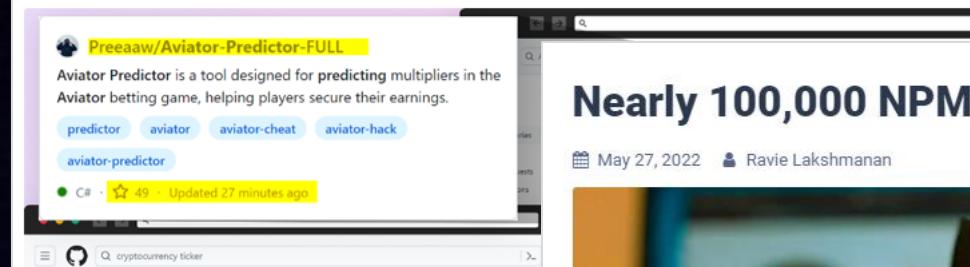
With love from /alcg/.

The leaker claimed to have obtained 5,000 repositories and a total of 3.6 million files, including source code for Wordle and other games.

Beware: GitHub's Fake Popularity Scam Tricking Developers into Downloading Malware

Apr 10, 2024 Ravie Lakshmanan

Software Security / Supply Chain Attack



Nearly 100,000 NPM Users' Credentials Stole

May 27, 2022 Ravie Lakshmanan



Cloud-based repository hosting service GitHub on Friday shared additional details into the [integration OAuth tokens](#) last month, noting that the attacker was able to access internal NPM and its customer information.



GitHub @ University





Key Takeaways

- GitHub - A powerful platform for developers
- Collaboration, Productivity, and Security are at the core of GitHub's offerings
- GitHub empowers developers with AI-powered tools like Copilot and Actions
- Embrace Open-source practices to enhance developer satisfaction and skills
- GitHub Actions streamline CI/CD processes for efficient software delivery
- Ensure Data Privacy and Security with GitHub's features



How students teamed up to decode 2,000-year-old texts using AI - Vesuvius Challenge

“There are so many benefits to using GitHub as a student, from a free GitHub Pro account to the use of GitHub Copilot in Visual Studio Code,” Julian said. “For the Vesuvius challenge, I had to write pipeline most of the time. I’d write one piece of code that I needed to use to achieve the next goal and if I knew what I wanted to write, I could use the auto completion tool to help me write faster. It was a huge time-saver!”



<https://github.com/lukeboi/scroll-viewer>

GitHub Student Developer Pack

<https://education.github.com/pack>

[more info](#)

Experiences

Discover the best ways to use pack offers with Experiences. Experiences are curated bundles of pack partner products, GitHub tools, and other resources that are designed for you learn new skills and make the most out of the Student Developer Pack and your journey in Global Campus.



Recently Added

LaunchPad

Intro to Copilot

What is Copilot and how do you get started using it? Use this Experience as a Primer on Copilot. We share tutorials, guides and templates to learn how to use AI in your development process.

Offers in this bundle



[Learn more about Intro to Copilot >](#)



Recently Added

LaunchPad

Understanding Markdown

Markdown is a lightweight markup language for creating formatted text using a plain text editor. More simply put, Markdown is a way to write content for the web and one of the most important ways developers can make their communication clear and organized in issues and pull requests. This Experience walks you through the common uses of Markdown in GitHub so that you can feel confident communicating on the platform.

Offers in this bundle



[Learn more about Understanding Markdown >](#)



LaunchPad

Intro to GitHub

GitHub flow is a lightweight, branch-based workflow. In this Experience you'll learn the basics of the GitHub Flow including creating and making changes to branches within a repository, as well as creating and merging pull requests. The GitHub flow is useful for everyone, not just developers.

Offers in this bundle



[Learn more about Intro to GitHub >](#)



Tools

GitHub Foundations Certification

Everything you need to get started preparing for the GitHub Foundations Certification exam including FAQs, guides, prep courses, and more is below while we get the offer back up and running!

Offers in this bundle



[Learn more about GitHub Foundations Certification >](#)



Tools

Intro to Open Source

Everything you need to know to understand the origins of open source work, how to become a contributor, a maintainer or a sponsor of an open source project and how to propel open source work into a career. Start with the basics including intro guides, how to find good first issues and basic open source vocabulary. Then begin to explore some of the best tools and thought leadership that will help you discover new ways of contributing.

Offers in this bundle



[Learn more about Intro to Open Source >](#)



Tools

AI Prompting & Technical Writing

This Experience offers the tools, top tips and resources you'll need to get started becoming a technical wizard with words.

Offers in this bundle



[Learn more about AI Prompting & Technical Writing >](#)



Tools

Security and Monitoring

Explore industry standard tools that keep your code safe, your permissions secure and your infrastructure monitored so that you can confidently scale your brilliant ideas.

Offers in this bundle



Tools

Career Readiness

Whether you're approaching graduation or just want to get a head start, it's never too early to prepare for your future in the industry.

Offers in this bundle



Tools

Intro to Web Dev

Everything you need to build your next website. Learn how to design and build your own website as you learn the basics of web development.

Offers in this bundle



Key Takeaways

- GitHub - A powerful platform for developers
- Collaboration, Productivity, and Security are at the core of GitHub's offerings
- GitHub empowers developers with AI-powered tools like Copilot and Actions
- GitHub Actions streamline CI/CD processes for efficient software delivery
- Ensure Data Privacy and Security with GitHub's features





Thank You!

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