Compare GitHub to Other DevOps Solutions

How GitHub compares to other DevOps tools and platforms

The complete developer platform

Software sits at the center of today's leading businesses—and developers sit at the center of software. At GitHub, we make it simple to go from project planning to builds, tests, and deployments on an all-in-one solution designed to deliver software at scale.

Powerful CI/CD

Native CI/CD makes it easy to automate the development lifecycle from beginning to end—and deliver value faster to customers.

The world's largest open source community

Scale your projects faster with access to the world's largest collection of open source software.

Secure platform, secure data

Proactive security alerts, code scanning, and dependency reviews are just the start. Designed for dynamic teams and regulated industries, GitHub is built to help keep you secure at every step.

Seamless integrations

A rich integration ecosystem and extensive marketplace makes it simple to connect your tools and services to GitHub —and build and scale your business all in one place.

"It's like night and day. It's the collaboration, it's the sharing, it's the community. It's all because of GitHub.

Director of Build Platform // Autodesk

How GitHub compares to other DevOps platforms

There are dozens of competing DevOps tools that range from fully integrated platforms to point solutions. Determining which is the right solution for your organization starts with understanding what capabilities each platform has—and what your business needs are. To help you get started, here's a high-level overview of how GitHub compares to other leading DevOps platforms.

User case	GitHub	GitLab	BitBucket
Planning, tracking, and project management	• Comparable native capabilities	• Comparable native capabilities	• Comparable native capabilities
Collaboration	• Comparable native capabilities • Native iOS and Android mobile applications to enable collaboration on any device	• Comparable native capabilities	• Comparable native capabilities
Application security	• Native capabilities based on GitHub's own IP • Integrations to third-party commercial products and open source solutions also supported	• Capabilities based on embedded open source projects and integrations with other open source solutions	• Third-party integrations with commercial products and open source solutions
Automation & CI/CD	• Comparable native capabilities	• Comparable native capabilities	• Comparable native capabilities
Innovative capabilities	• Cloud-hosted developer environments with GitHub Codespaces • AI programming assistance with GitHub Copilot (currently in technical preview) • Third-party integrations	• Third-party integrations	• Third-party integrations
Platform security	• Comparable native capabilities • Complete control over identity provisioning, access and removal of permissions with Enterprise Managed Users in the cloud	• Comparable native capabilities	• Comparable native capabilities
Scalability	• 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	• Comparable native capabilities • Claims estimated 30 million users including estimated user counts from self-managed deployments • Uptime SLA is not available	• Comparable native capabilities • Uptime SLA is not available

Find out why more than 80% of the Fortune 100 use GitHub

From Autodesk to Ahold Delhaize and Meta to McKessen, the world's biggest companies innovate at scale on GitHub. That's because GitHub offers the complete developer platform that helps companies deliver secure software at scale.

How Stripe is changing financial technology on GitHub

Learn more >

How Shopify is democratizing ecommerce with GitHub

Learn more >

Frequently asked questions

❓ What are some quick facts about GitHub Enterprise Cloud?

GitHub Enterprise Cloud offers a cloud-hosted enterprise product plan (SaaS) for large businesses and teams who need a complete DevSecOps solution. In particular, GitHub Enterprise Cloud provides tools for greater management of an organization's resources using sophisticated security and administrative features. This includes access to authentication with SAML single sign-on and as well as support for 50,000 minutes of GitHub Actions runtime for your CI/CD workflows and 50GB of storage for shared components and containers, among other things. You can learn more about GitHub Enterprise Cloud in our documentation or product page.

❓ How rich is GitHub's documentation and where can I find it?

GitHub offers thorough documentation around all of its products with detailed how-to guides that walk teams, developers, and administrators through maximizing their investment with GitHub Enterprise. You can find GitHub's documentation at docs.github.com, which offers a centralized place to find the latest information about GitHub's products, how to use them, and how to get help. This documentation is kept up-to-date by our documentation teams partnering closely with engineering, our product teams, and our outside community via community contributions.

❓ Does GitHub offer project planning and source code management in one place?

GitHub offers a complete cloud-hosted developer platform, which includes project planning, source code management, CI/CD, automation, application security and more. All of these features and capabilities are centralized within the core platform making it simple to plan projects, assign tasks, track work, and deploy code from one interface. GitHub's project planning solution also integrates with task management and forum boards to track decision-making trees, conversations, and project statuses. Learn more about project planning with GitHub Issues and how it ties into the everyday developer platform to increase the speed at which you can build, deploy, and scale solutions.

❓ Does GitHub offer pre-built automation and CI/CD workflow templates?

GitHub offers a number of pre-built and community-developed automation workflow templates that enable organizations to build powerful CI/CD pipelines, enforce environmental policies, and more. These workflow templates are designed to meet the needs of leading teams and companies, and feature a sizable integration ecosystem. You can find more than 12,000 pre-built automation workflows in the GitHub Marketplace, which contains community-driven and tested automations for security, CI/CD, development workflows, platform integrations, and more. You can also learn more about how automation and CI/CD work on GitHub in our documentation.

❓ Can I use GitHub tools to manage, build, and deploy software to Amazon Web Services (AWS), Microsoft Azure, Google Cloud, a cloud provider of my choice, or my on-site servers?

GitHub offers integrations to AWS, Microsoft Azure, Google Cloud, and other leading cloud providers through the GitHub Marketplace making it simple to manage, build, and deploy cloud-native applications. GitHub also provides a number of pre-built and customizable CI/CD and automated workflows to manage, provision, and orchestrate cloud computing resources with GitHub Actions.

GitHub.com