



GitHub Day

Maximizing your productivity with GitHub
services

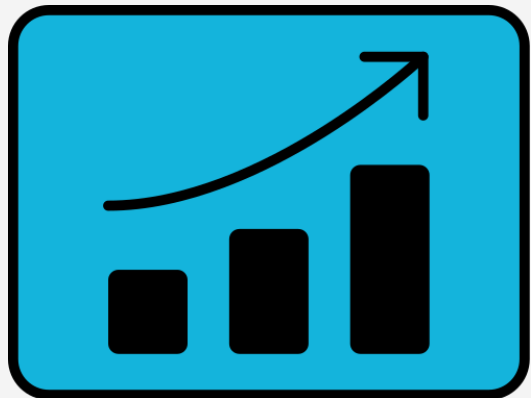


Agenda

- Introduction
- Types of GitHub Account
- GitHub Services Overview
- Collaborative Services
- Security
- CI/CD services
- Project management
- Live Example
- Bonus

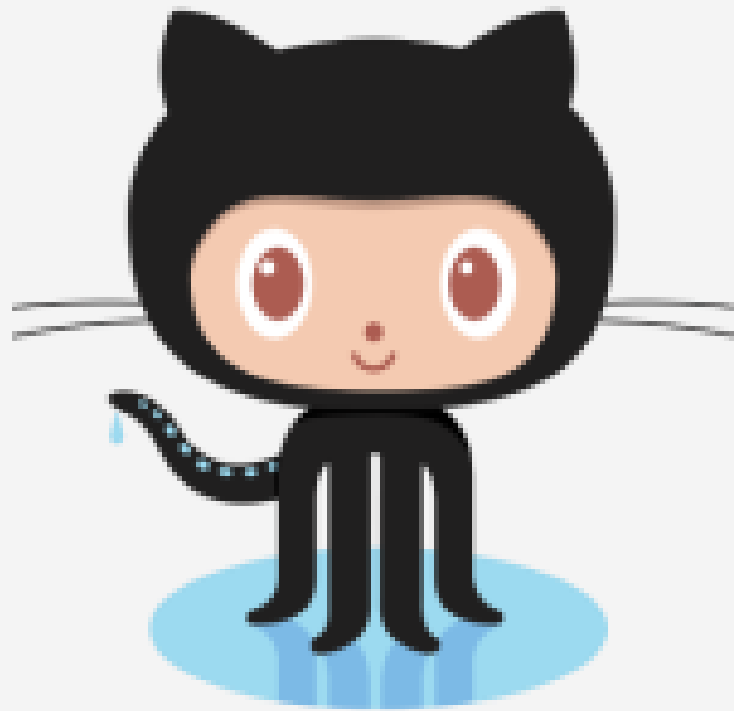
Introduction

- Collaborative version control platform owned by Microsoft (Founders Tom, Schatt & Chris)
- Largest source code management platform
- Build with Security (56 Million+ Projects fixed vulnerability)
- Biggest Open Source platform and Developer favourite



- Crossed 1 Billion dollar Revenue
- 300 Million + Repository

A small story



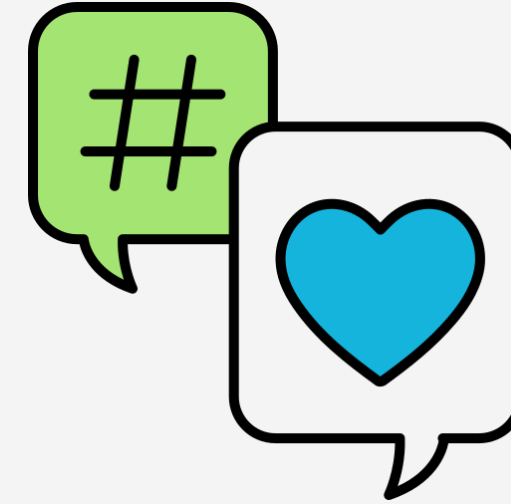
The idea for GitHub's Logo come from its “Octopus merge” - the practice of merging of three or more branches of Development.

Initially the logo's designer Simen oxley thought about calling his creation Octopuss (Combination Octopus and Pussycat) to represent how complex code combines can create strange things. But in the end, GitHub decide to go with “**Octocat**”.

Crossed 100 Million+ Users

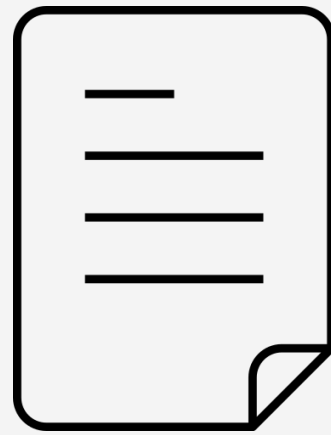


Types of Account



- Personal Account
- Organization Account
- Enterprise Account

Services



Collaborative

CodeSpace, Repository, Pull Request, Discussion and Copilot

CI/CD DevOps

GitHub Actions, Packages and Pages

Security

Code Scanning , Secret Scanning, Depandabot and Security advisory

Project Management and Others

GitHub Issues. Others- GitHub CLI, Desktop and Mobile app.

Collaborative Services

- Repository
- Pull Request
- Discussion

Pull requests allow real-time communication and collaboration about code changes.

Check out pull requests >



Review requested

1 approving review by reviewers with write access. [Learn more.](#)



2 approvals



All checks have passed

26 successful checks



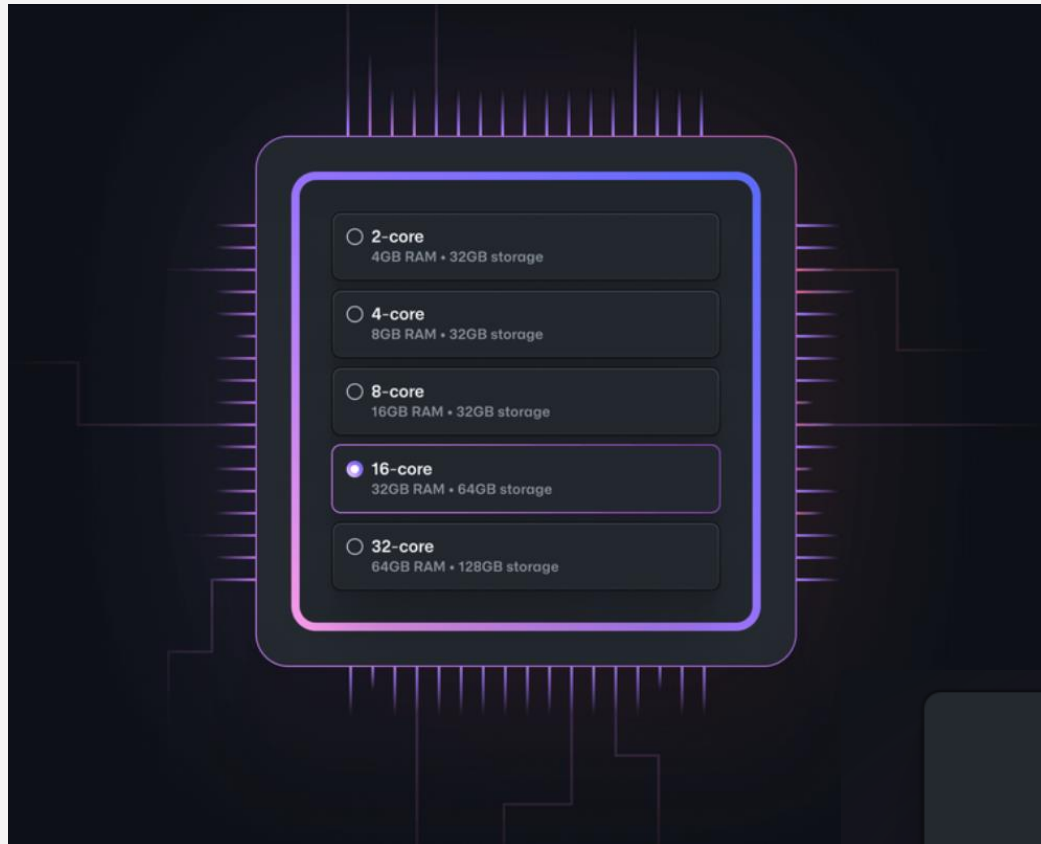
Build Successful in 2m



This branch has no conflicts with the base branch

Merging can be performed automatically.

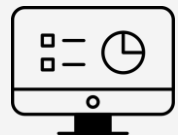
Codespace



Get up to 60 hours free each month

Decide how many cores you need and go. Your free hours reset each month.

2 cores	60 hours free /month	\$0.18 /additional hour
4 cores	30 hours free /month	\$0.36 /additional hour
8 cores	15 hours free /month	\$0.72 /additional hour
16+ cores	N/A	See pricing docs
Storage	15 GB free /month	\$0.07 /GB per month



- Price matters

Copilot



Code with AI make better time saving

```
runtime.go  course.rb  JS time.js

1 const seconds = 3600
2 const minutes = seconds / 60
3 const hours = minutes / 60
4 const days = hours / 24
5 const weeks = days / 7
6 const months = days / 30
7 const years = months / 12
```

Copilot



Code Security

```
.env
1 + class CloudClient
2 +   TOKEN = "1313C15C22701F9FD383B7F7D69EFE7"
3 +
```

⚠ OAuth token found
We've noticed a valid OAuth token was committed in your repository.
We've revoked the OAuth token.

Google API Key
found in commit f08a733

Step 3 jsonProjection

Step 2 jsonQuery

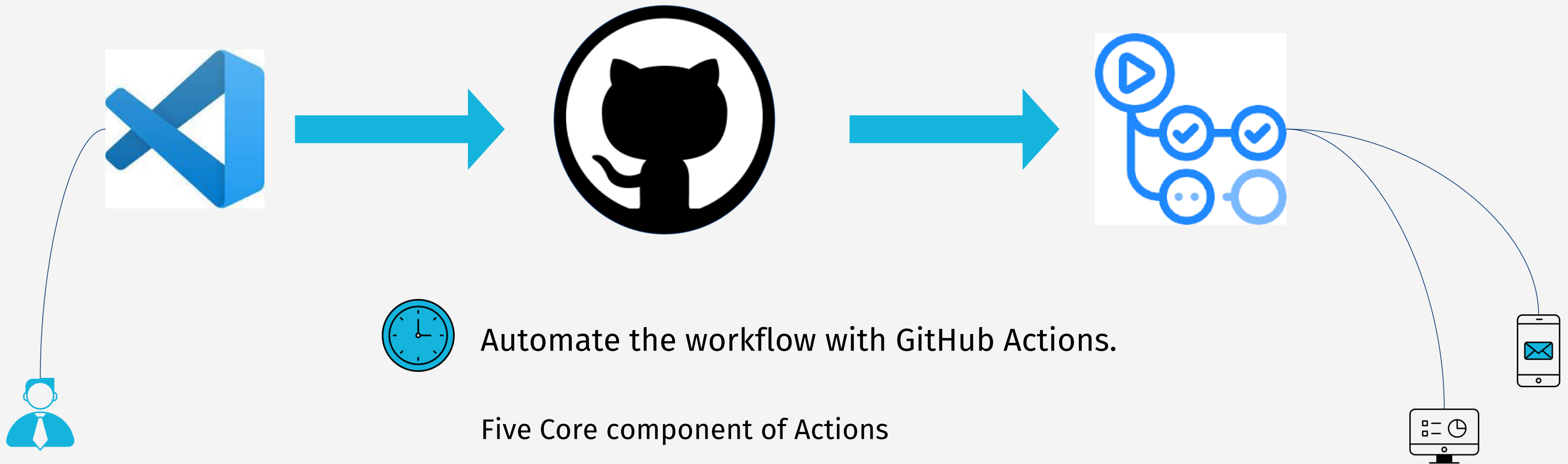
Step 1 req.query.query [Source](#)

```
lib/routes/collection.js
34 var key = req.query.key;
35 var value = req.query.value;
36 var type = req.query.type && req.query.type.toUpperCase();
37 var jsonQuery = req.query.query;
38
39 if (key && value) {
40   // if it is a simple query,
```

- Secret Scanning
- Code Scanning
- Dependabot



GitHub Actions



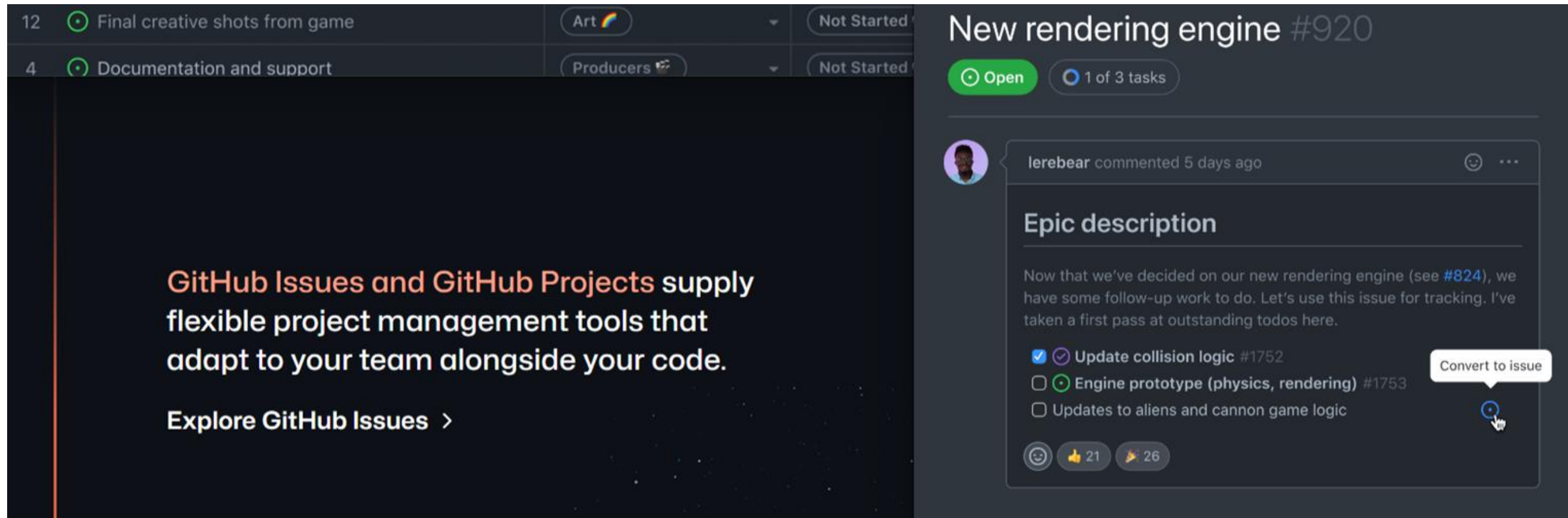
Automate the workflow with GitHub Actions.

Five Core component of Actions

- Workflow
- Event
- Job
- Action
- Runner

Project Management

With the help of GitHub Issues



The image shows a split-screen view of a project management interface. On the left, a dark-themed sidebar displays a list of project items: '12 Final creative shots from game' with a 'Not Started' status and 'Art' category, and '4 Documentation and support' with a 'Not Started' status and 'Producers' category. Below this list, text reads: 'GitHub Issues and GitHub Projects supply flexible project management tools that adapt to your team alongside your code.' followed by a link 'Explore GitHub Issues >'. On the right, a detailed view of a GitHub issue titled 'New rendering engine #920' is shown. It includes a comment from 'lerebear' from 5 days ago, an 'Epic description' section, and a list of tasks: 'Update collision logic #1752' (checked), 'Engine prototype (physics, rendering) #1753' (checked), and 'Updates to aliens and cannon game logic' (unchecked). A 'Convert to issue' button is visible next to the unchecked task. The interface also shows 'Open' and '1 of 3 tasks' indicators.

12 Final creative shots from game Art Not Started

4 Documentation and support Producers Not Started

GitHub Issues and GitHub Projects supply flexible project management tools that adapt to your team alongside your code.

Explore GitHub Issues >

New rendering engine #920

Open 1 of 3 tasks

lerebear commented 5 days ago

Epic description

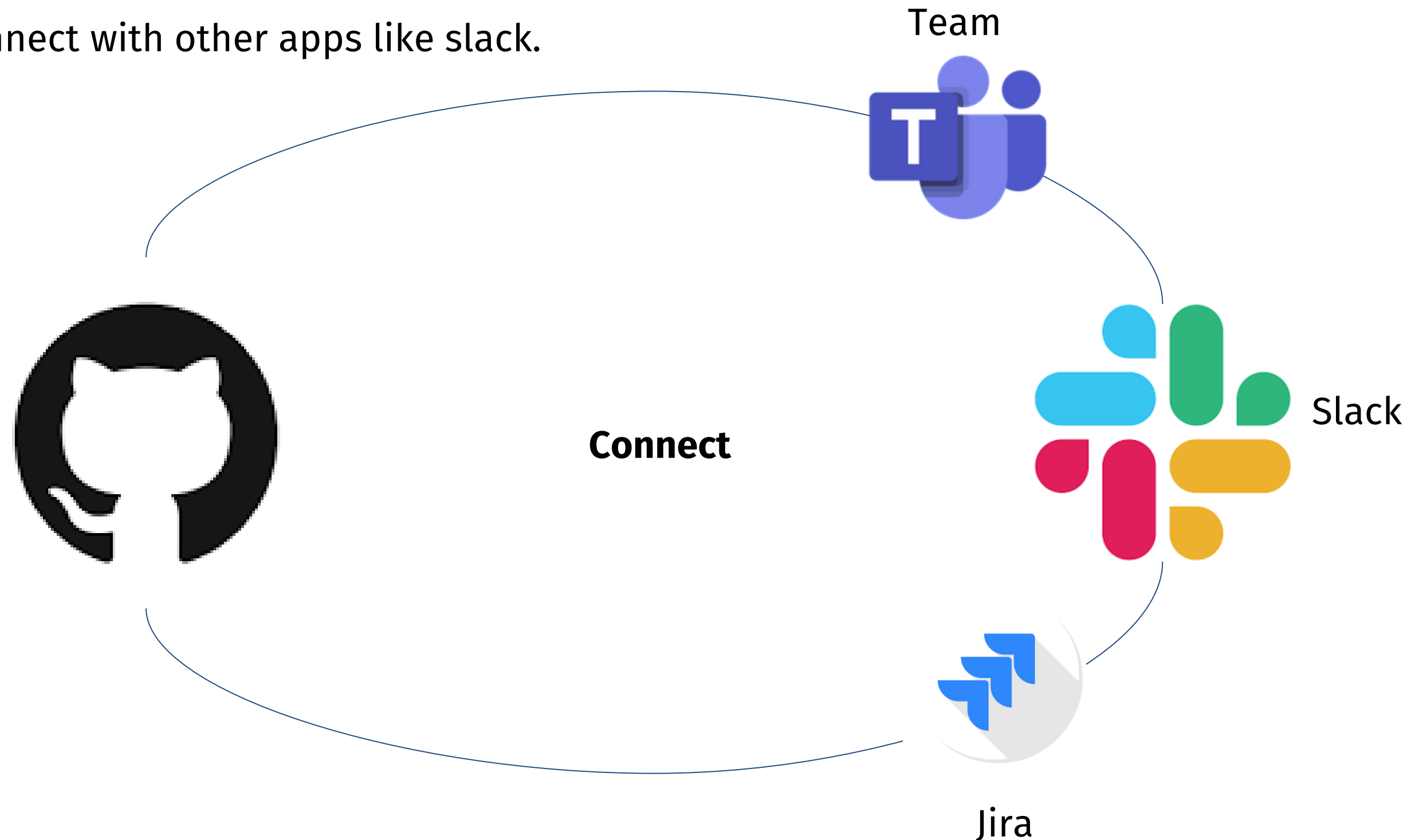
Now that we've decided on our new rendering engine (see #824), we have some follow-up work to do. Let's use this issue for tracking. I've taken a first pass at outstanding todos here.

- ☒ Update collision logic #1752
- ☒ Engine prototype (physics, rendering) #1753
- ☐ Updates to aliens and cannon game logic

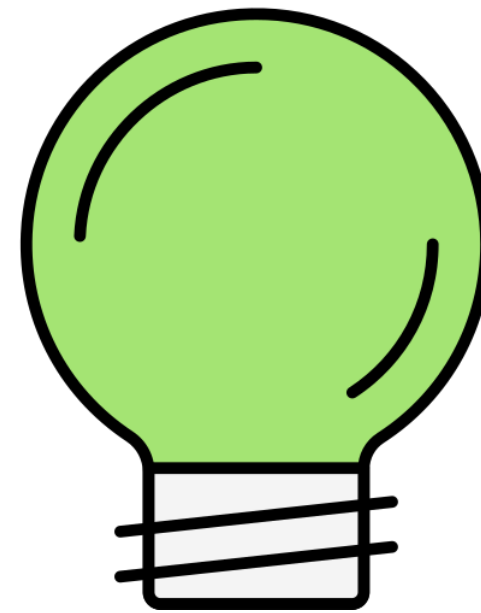
Convert to issue

Improve your productivity

It is possible to connect with other apps like slack.

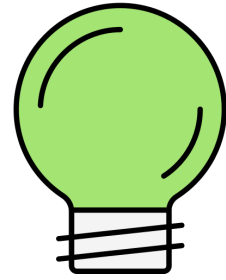


Example for better understanding

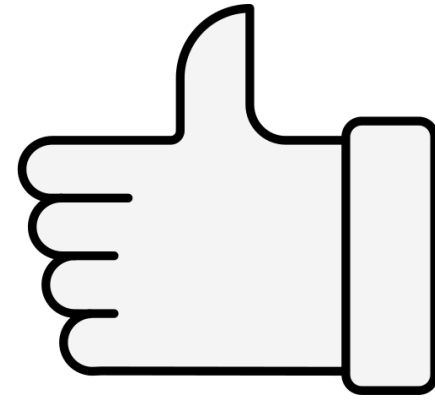


Bonus

Tips	Tricks
To Share the code snippets GitHub Gists	Use WebHooks to trigger the api
Maintain a Wiki	Fork the repo



Questions?



Thank You