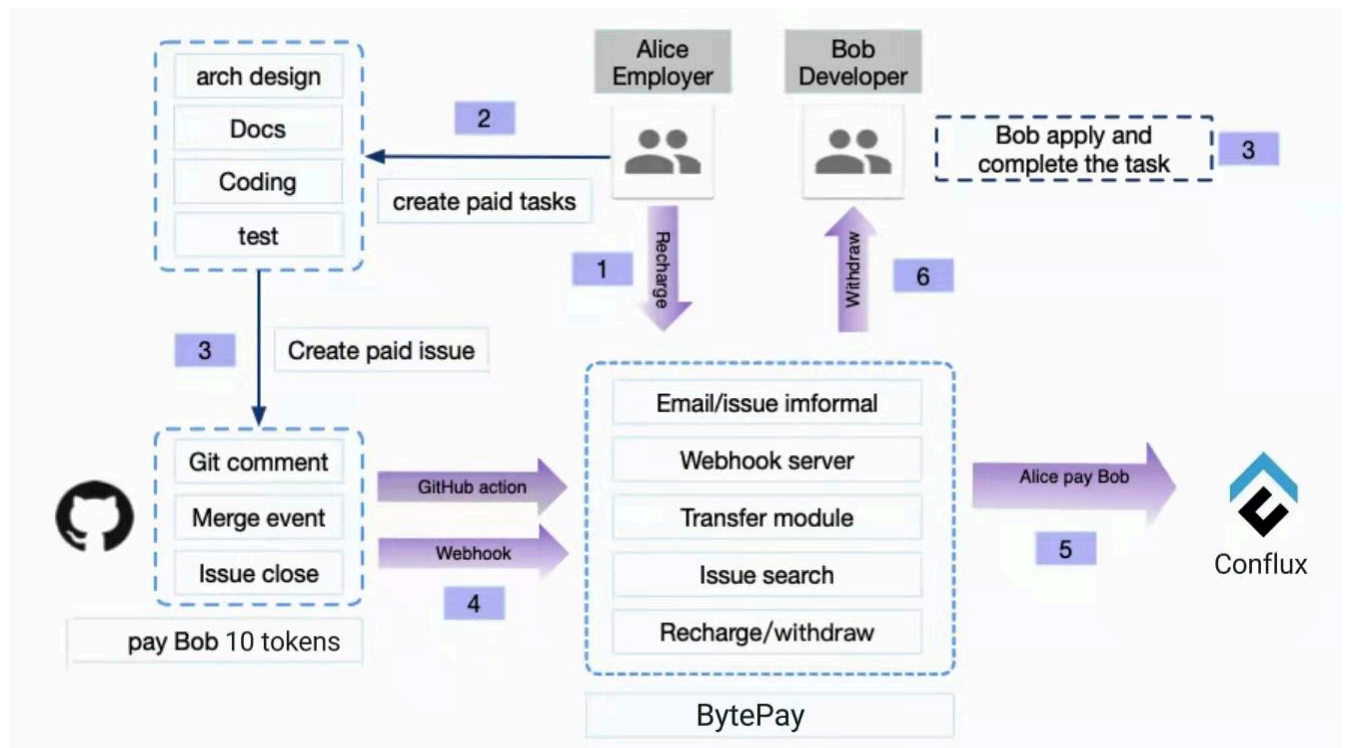


## BytePay overview

### Flow-process diagram



### What's BytePay

BytePay is a payment platform, you can initiate open source tasks and paid with tokens (for example, you can initiate paid collaboration tasks when you encounter difficulties in architecture construction, requirements analysis, document construction and testing). Those who complete the tasks as required can receive tokens after the task initiator verifies that the tasks are completed.

The specific process is as follows:

1. Alice recharge tokens on the platform.

2. Alice initiates paid open source tasks on the Github (such as the task about architecture construction, requirements analysis, document construction, development and testing, etc )
3. Bob accepted this task on Github and completed it!
4. Alice clicks on the payment instruction. Github receives the instruction and trigger the webhook to contact Bob by email and other notification methods to notify that 10 tokens have been put into our platform Exclusive account Wallet.
5. Call Conflux API for on-chain transfer.
6. Bob withdraws 10 tokens from our platform to his wallet(such as Polkawallet or MetaMask), if Bob already bind his own address, will transfer tokens to his account directly.

## Vision

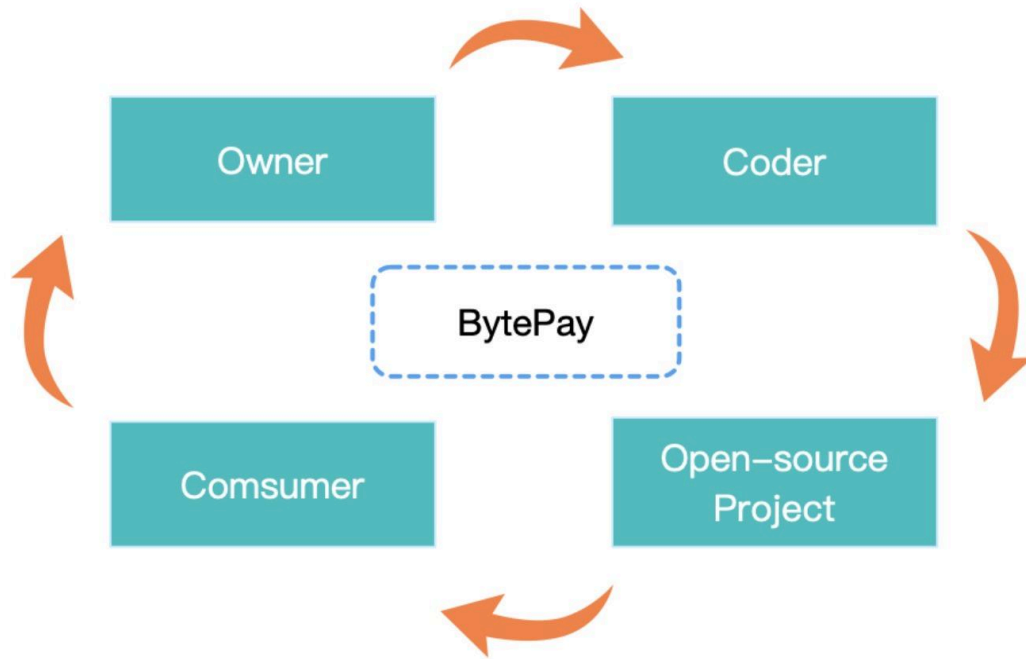
Our mission is to make open source better with the public-chain ecosystem:

- Coding to earn, sell opensource product as NFT!
- Attract more Github developers, especially who are not familiar with blockchain to expand the user-number of Conflux ecosystem.
- Coding to earn : earn tokens by completing open source tasks to encourage Github developers to communicate, cooperate and innovate with each other.

## Why BytePay

- So many open source developers are too poor!
- Developers can't support themselves through open-source, so that they have to be hired by some companies
- Many excellent open-source projects have no business model.

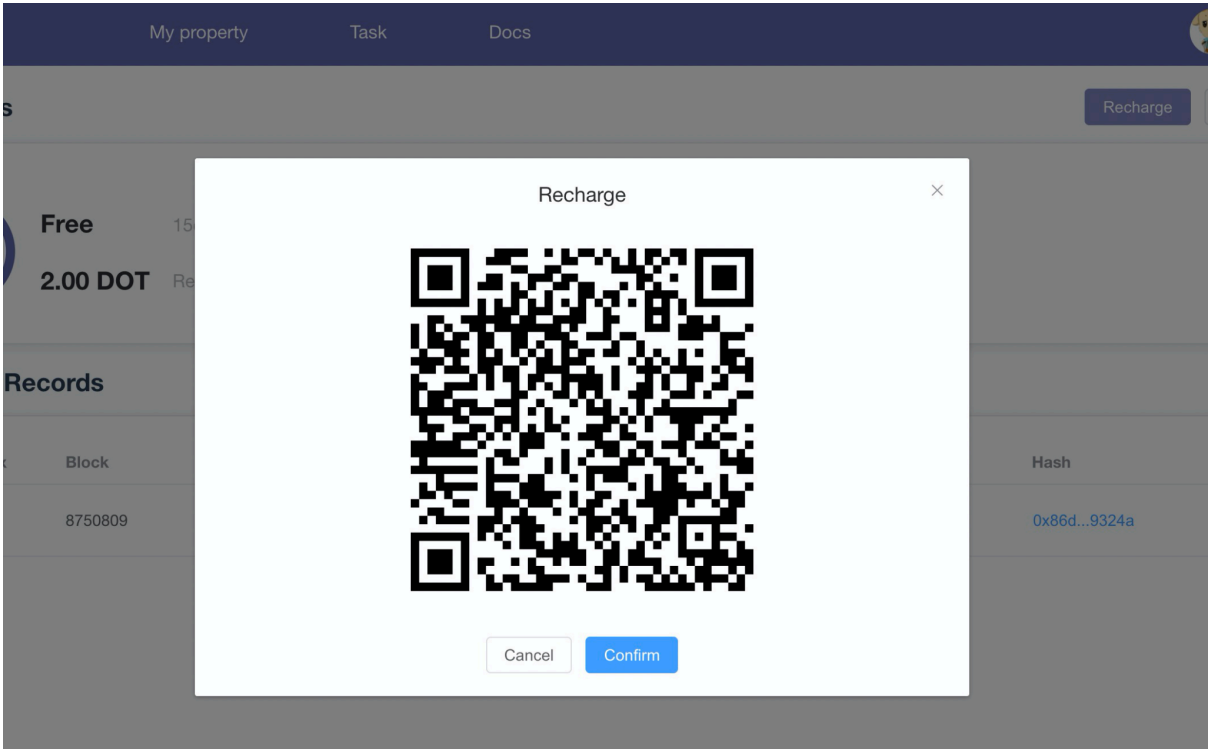
Open source projects can't support themselves, resulting in the deletion of libraries, like <https://github.com/marak/Faker.js/> ...



- Owner pay coder
- Coder contribute to the opensource project
- Sell the opensource product online let owner earn more crypto
- Owner pays more opensource coder

## Project Details

# Recharge



# Bind Github Repository

Bytepay

My property

Task

Docs

Repos

Bind Repositories

My Repo

My Task

adidoks

AdiDoks is a mordern documentation theme, which is a port of the Hugo theme Doks for Zola.

Tasks

Status

All

id	Price	Title	Descrip
			No

Bytepay

My property

Task

Docs

repoistories

/adidoks

Active Only

/awesome-kubernetes

Active Only

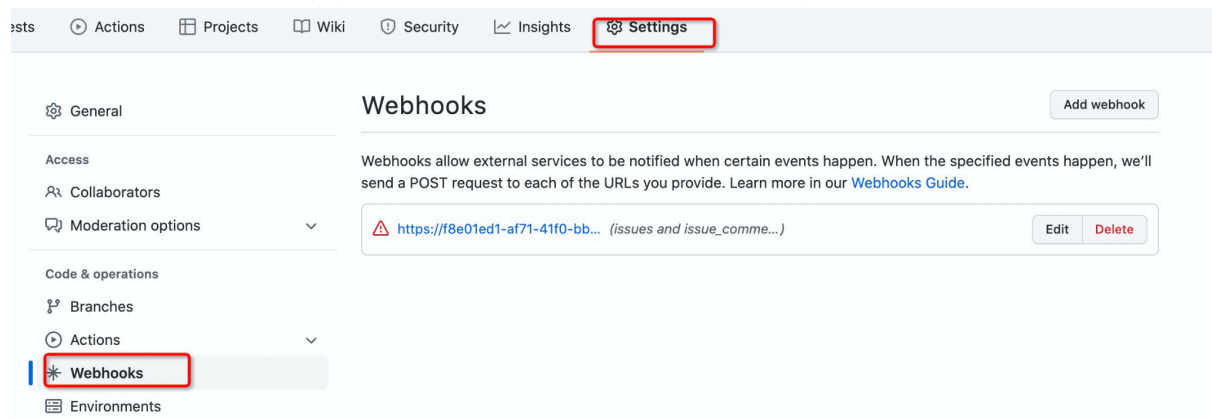
/cattle

Active Only

/client-go

Active Only

After active the repository, you will see the webhook been set in your GitHub repo:



The screenshot displays the GitHub repository settings interface. At the top, a navigation bar includes links for Issues, Actions, Projects, Wiki, Security, Insights, and Settings (highlighted with a red box). On the left sidebar, the 'Webhooks' option is selected and highlighted with a red box. The main content area is titled 'Webhooks' and features an 'Add webhook' button. Below this, a descriptive paragraph explains that webhooks allow external services to be notified of repository events. A table lists a single webhook with the URL 'https://f8e01ed1-af71-41f0-bb...' and the event type '(issues and issue\_comme...)'. To the right of the URL are 'Edit' and 'Delete' buttons.

Issues Actions Projects Wiki Security Insights Settings

General

Access

Collaborators

Moderation options

Code & operations

Branches

Actions


**Webhooks**

Environments


## Webhooks

Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).


 <a href="https://f8e01ed1-af71-41f0-bb...">https://f8e01ed1-af71-41f0-bb...</a> (issues and issue_comme...)	Edit Delete
---	-------------

## Alice create a paid task




**sulnong** commented 9 hours ago Member 😊 🚩 打赏 ...

This issue is for bytepay test



**sulnong** commented 9 hours ago Member Author 😊 🚩 打赏 ...


/bytepay task 0.001DOT



**CryptoPayLabBot** commented 9 hours ago 😊 🚩 打赏 ...


**Bytepay: Finish This Task, sulnong will pay you 0.001 DOT.**  
Comment in Following instruction to apply for this task  
`/bytepay apply`  
Visit <http://bytepay.local-dev.com> for more detail

## Bob apply the task



**Emptycity-tear** commented 9 hours ago 😊 🚩 打赏 ...


/bytepay apply



**CryptoPayLabBot** commented 9 hours ago 😊 🚩 打赏 ...

**Bytepay: Task has been assigned to @Emptycity-tear.**


## Alice pay for the task



**sulnong** commented 9 hours ago

Member Author 😊 ⚠️打赏 ...


/bytepay pay



**CryptoPayLabBot** commented 9 hours ago😊 ⚠️打赏 ...

Bytepay: sulnong have paid for this task, please @Emptycity-tear check your polka account.

## Anyone transfer tokens to others



**[REDACTED]** commented 10 seconds ago

Member 😊 ⚠️打赏 ...

/bytepay pay sulnong 0.1DOT


## Close task

The task will be closed when the issue is closed.



# Withdraw your tokens

Set your withdraw passwd, then:

 **AdaLam7**  
Your personal account

Account Settings

Password

Withdraw

Polka Address

## Withdraw

\* Polka Address

12BS94FFUJ9WfZgiJB6LLyLYRpm7RXBhCv8Nihoa37PhnSz4

\* Amount:

0.02

\* Password:

\*\*\*\*\*

Withdraw

## Data models / API specifications of the core functionality

### Create tasks

```
{
  "id": "issue id",
  "name": "issue name",
  "repo": "paritytech/substrate",
  "author": "gavofyork",
  "pay": "10DOT",
  "describe": "issue overview",
  "createTime": "",
  "updateTime": "",
}
```

### Apply task

```
{
  "issueID": "issue id",
  "applier": "Bob",
  "applyTime": ""
}
```

### Payment

Command line in issue reply: `/pay Bob 10DOT`

```
{
  "id": "payment id",
  "from": "Alice",
  "to": "Bob",
  "amount": "10DOT",
  "RMKS": "Alice pay bob",
}
```

## An overview of the technology stack to be used

- Font-end, typescript,react
- Backend, golang,Rust
- Devops, github action, kubernetes
- Search, MeiliSearch

## Key Functions

1. User management
    - Using github OAuth2 login, user group management.
  2. Email / Issue informal
    - Informal user to withdraw their tokens.
  3. Webhook sever
    - Github webhook management, listen events and trigger payment.
  4. Transfer module
    - Transfer by calling the API of the chain.
  5. Recharge / Withdraw
    - User recharge tokens if they want to pay others on Github.
    - User withdraw tokens to their own wallet.
  6. Issue search
    - Users can find and filter paid collaboration tasks that meet their requirements in the issue search form.
  7. Payment secret management
    - Create it on BytePay website and config it to github secret to pay user tokens.
  8. Recharge & transfer
  9. NFT&NFT marketplace
  10. Recharge & transfer by ink! contract
- 
- Set the maximum amount and maximum total amount for each transaction `set_limit(per_transfer_amount, total_transfer_amount)` Only the owner of the project has the calling permission
  - Set up the transfer whitelist `set_witelist(username, address)` Only the owner of the project has the calling permission
  - Transfer interface `transfer(address, amount)` The platform has the calling permission

Benefits of this design:

- The platform no longer needs the owner to recharge, just need to sign a contract with the owner
- The platform does not have the authority to set a whitelist, ensuring that the platform cannot transfer funds to addresses other than the whitelist set by the owner
- The single maximum amount and the total amount set to a certain extent ensure the safety of the owner's funds

## Team Code Repos

<https://github.com/bytepayment>

<https://github.com/bytepayment/bytepay>

## Status:

We've completed Polkadot Grant by Web3 Foundation and go through the process of Moonbeam Grant.

## Team's Experience

We will pleased to offer github accounts, LinkedIn and any other information in private.

- Richard Fang:
  - As an expert in the field of cloud computing in one of the biggest Internet listed companies with 7 years of rich working experience.
  - The author of a well-known cloud native project which has more than 5K stars on Github and 4k paid enterprise users.
- Fugen Wang:
  - CEO of an Internet start-up company and manages more than a dozen employees with 7 years working experience.
- Peng Qiao:
  - A core member of AI Research Institute wich is one of the top AI listed companies in China with 5 years working experience.
- Wei Zhang:
  - An advertising director, one of the top AI listed companies in China with 7 years of rich working experience.
- Long Sun:
  - front-end engineer , previously work for one of the top Internet listed companies in China with 4 years working experience now have resigned and joined the BytePay team.

**Contact with :**

[adalamlzy@gmail.com](mailto:adalamlzy@gmail.com)