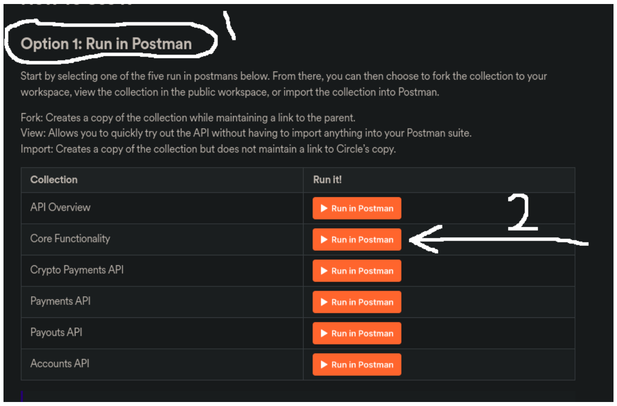
1 Forking Circle's Core Functionality Collection for Postman

1.0 To fork Circle's Core Functionality, head to https://developers.circle.com/developer/docs/postman

1.1 check out Option 1(number 1 of the image below), next to Core Functionality, click on the ‘Run in Postman’ Button(number 2 of the image below)



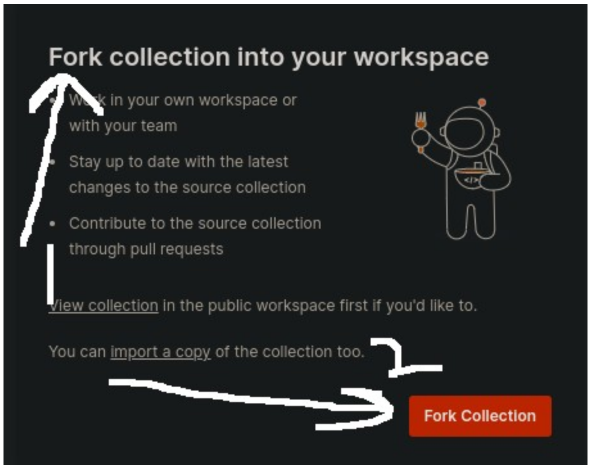
Option 1: Run in Postman

Start by selecting one of the five run in postmans below. From there, you can then choose to fork the collection to your workspace, view the collection in the public workspace, or import the collection into Postman.

Fork: Creates a copy of the collection while maintaining a link to the parent.
View: Allows you to quickly try out the API without having to import anything into your Postman suite.
Import: Creates a copy of the collection but does not maintain a link to Circle's copy.

Collection	Run it!
API Overview	▶ Run in Postman
Core Functionality	▶ Run in Postman
Crypto Payments API	▶ Run in Postman
Payments API	▶ Run in Postman
Payouts API	▶ Run in Postman
Accounts API	▶ Run in Postman

1.2 You will be redirected to another page with the headline 'Fork collection into your workspace (number 1 arrow in the image below)'. Click on the ‘Fork Collection (number 2 arrow of the image below)’ button



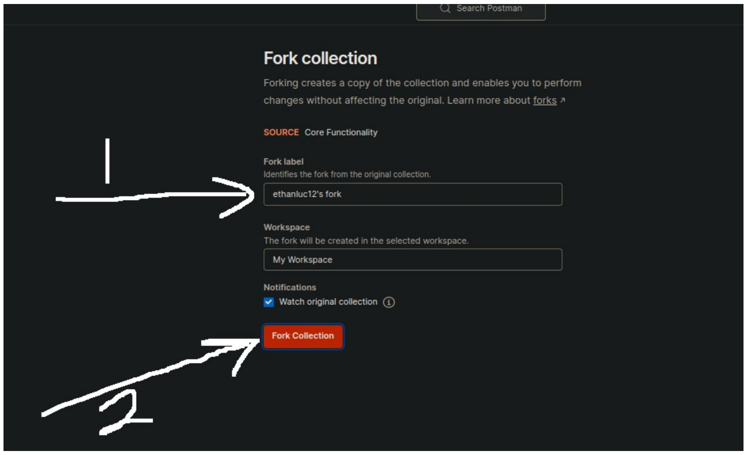
Fork collection into your workspace

- Work in your own workspace or with your team
- Stay up to date with the latest changes to the source collection
- Contribute to the source collection through pull requests

View collection in the public workspace first if you'd like to.

You can import a copy of the collection too.

1.3 Next, you can rename the ‘Fork labels(see arrow 1 of the image below)’ if you so desire and click on ‘Fork Collection(see arrow 2 of the image below)’ again. The Core Functionality API has been successfully forked.



Fork collection

Forking creates a copy of the collection and enables you to perform changes without affecting the original. Learn more about forks ↗

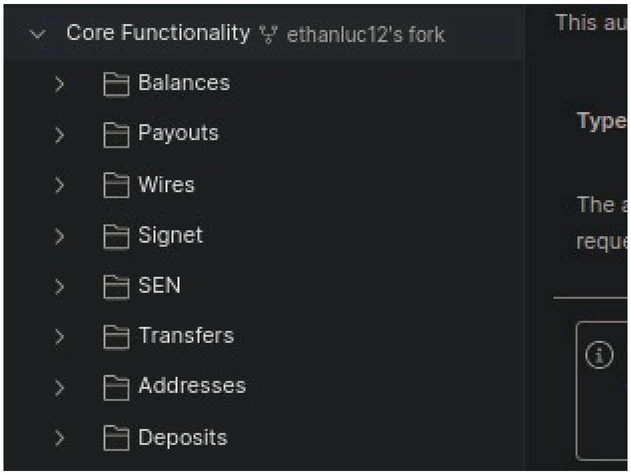
SOURCE Core Functionality

Fork label
Identifies the fork from the original collection.
ethanluc12's fork

Workspace
The fork will be created in the selected workspace.
My Workspace

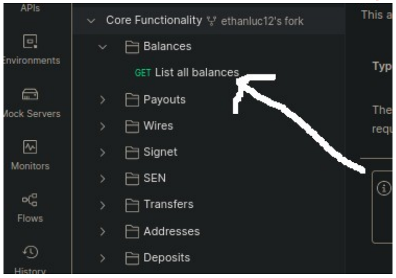
Notifications
☑ Watch original collection

1.4 You will get an output like the one below on you postman workspace

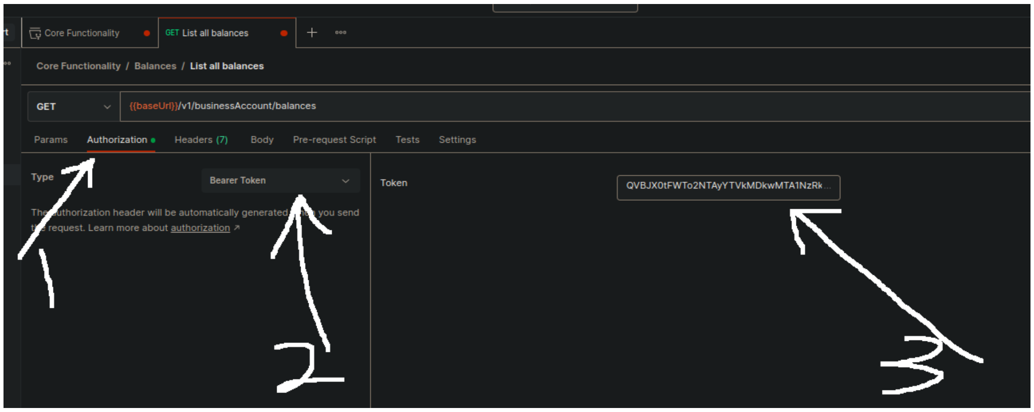


2: Check Wallet Balance using the Core Functionality API

2.1 once you are done forking the core functionality API, navigate to the ‘Balances’ folder and select ‘List all balances’(see image below for guide).



2.2 Now In the Authorization tab (arrow 1 of image below), change the type from 'Inherit auth from parent' to 'Bearer Token(arrow 2 of image below)'. Next, we enter the API key(see arrow 3 of the image below) we have generated in quest 3 into the Token Field.



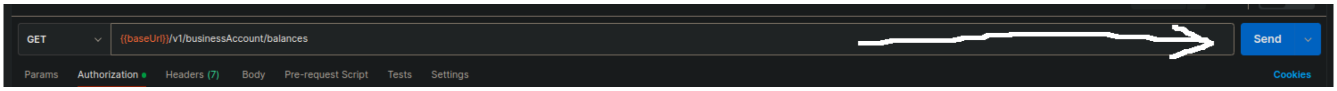
GET {{baseUrl}}/v1/businessAccount/balances

Type: Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

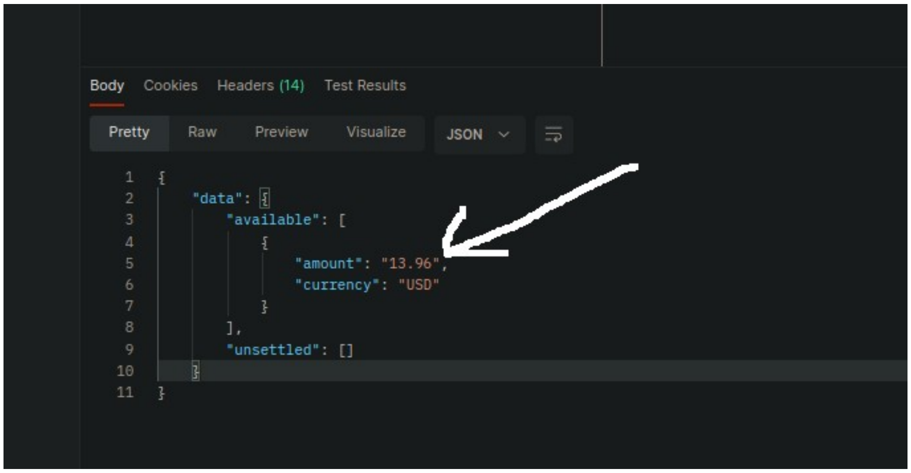
Token: QVBJX0tFWTo2NTAyYTVkMDkwMTA1NzRk...

2.3 Now click on the blue button as shown in the image below



GET {{baseUrl}}/v1/businessAccount/balances

2.4 output will be similar as to the one below, Note if your ‘amount field is 0.0(see image below for guide)’, don’t panic, everything is alright,

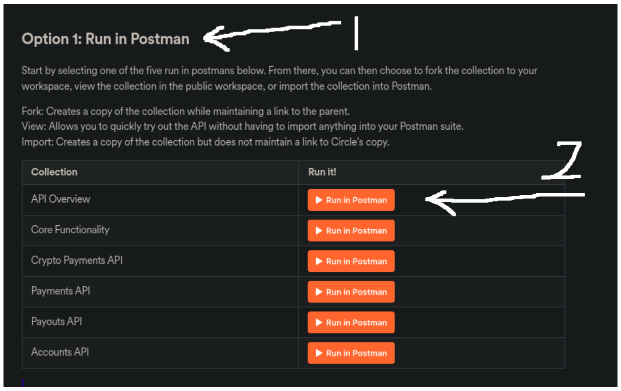


```
{
    "data": {
        "available": [
            {
                "amount": "13.96",
                "currency": "USD"
            }
        ],
        "unsettled": []
    }
}
```

3: Obtaining Your Master Wallet Identifier

3.1 Navigate to Circle's Postman Suite

https://developers.circle.com/developer/docs/postman.   Under Option 1(arrow 1 of the image below), next to 'API Overview, click on the Run in Postman((arrow 2 of the image below)' Button. You will be redirected to another page with the heading 'Fork collection into your workspace (arrow 3 of image below)'. Click on the 'Fork Collection (arrow 4 of image below)' button.



Option 1: Run in Postman

Start by selecting one of the five run in postmans below. From there, you can then choose to fork the collection to your workspace, view the collection in the public workspace, or import the collection into Postman.

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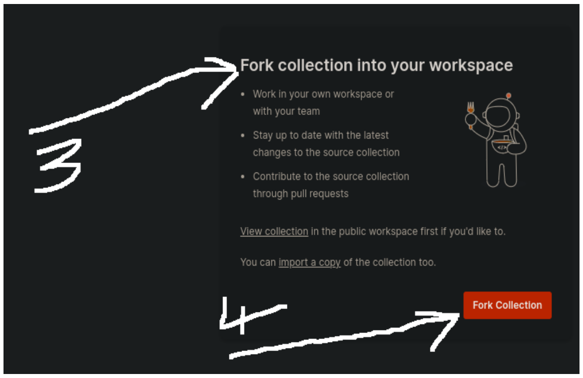
Payouts API	▶ Run in Postman
Accounts API	▶ Run in Postman



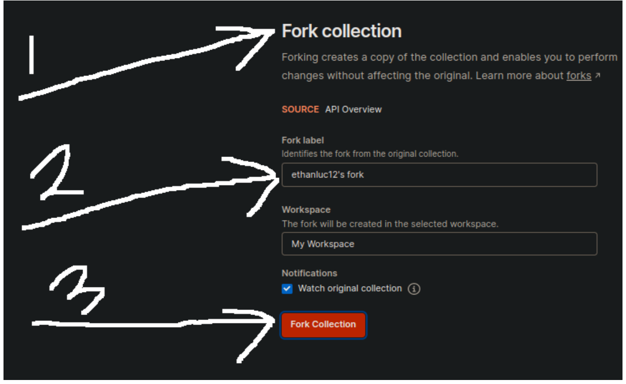
Fork collection into your workspace

- Work in your own workspace or with your team
- Stay up to date with the latest changes to the source collection
- Contribute to the source collection through pull requests

View collection in the public workspace first if you'd like to.

You can import a copy of the collection too.

3.2 On the next page(ie Fork collection see arrow 1 of image below) rename the 'fork labels(arrow 2)' if you so desire and click on 'Fork Collection(arrow 3)' again. The API Overview API has been successfully forked.



Fork collection

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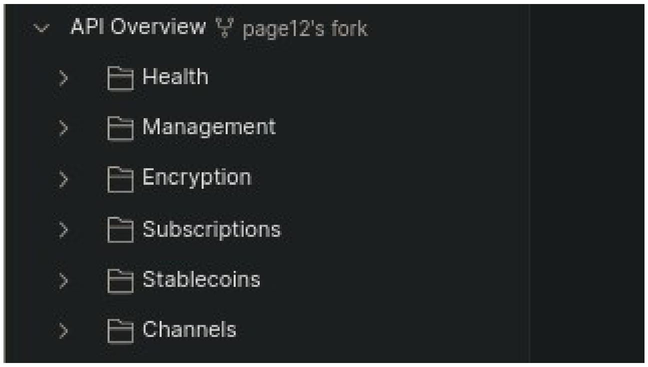
SOURCE API Overview

Fork label
Identifies the fork from the original collection.
ethanluc12's fork

Workspace
The fork will be created in the selected workspace.
My Workspace

Notifications
☑ Watch original collection ⓘ

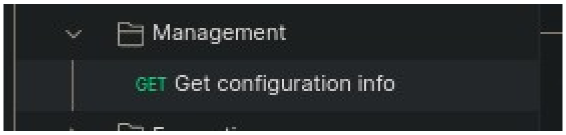
3.3 on your postman workspace , output will look just like the image below:

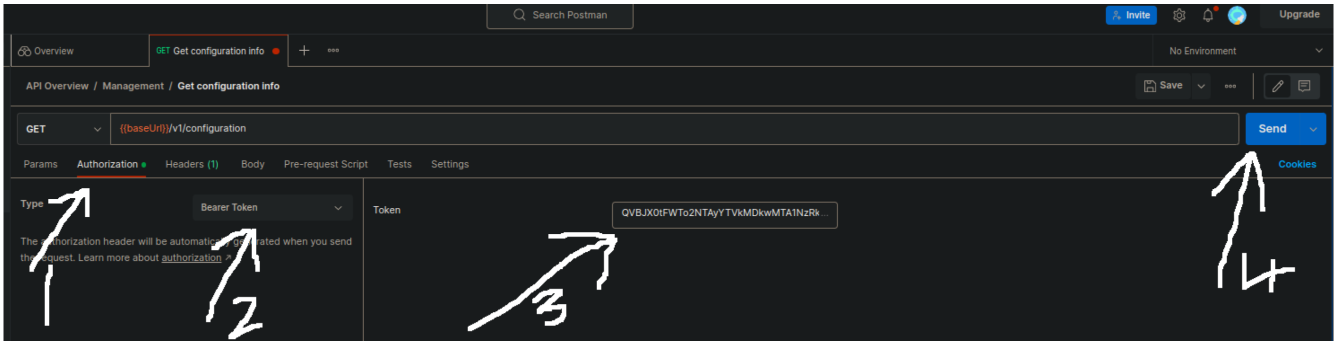


API Overview page12's fork

- Health
- Management
- Encryption
- Subscriptions
- Stablecoins
- Channels

3.4 Under the Management folder, select 'Get configuration info'. In the ‘Authorization tab(arrow one of the image below)’, set the type to ‘Bearer Token(arrow 2)’ and ensure your API key(arrow 3) from quest 3 is correctly input, Click on the 'Send (arrow 4)' button





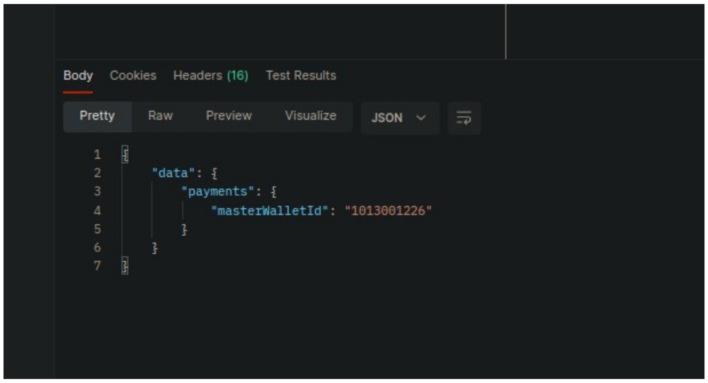
GET {{baseUrl}}/v1/configuration

Type Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

Token QVBJX0tFWTo2NTAyYTVkMDkwMTA1NzRk…

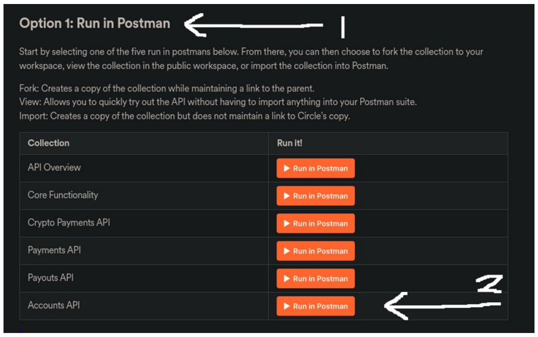
3.5 output will look like the image below which contains your masterWalletId. Save it somewhere, we will need it later.



```
{
    "data": {
        "payments": {
            "masterWalletId": "1013001226"
        }
    }
}
```

4 : Funding Your Wallet

4.1 Click on https://developers.circle.com/developer/docs/postman Under Option 1(see arrow 1 of image below), next to Accounts API, click on the ‘Run in Postman(arrow 2 of image below’ Button.



Option 1: Run in Postman

Start by selecting one of the five run in postmans below. From there, you can then choose to fork the collection to your workspace, view the collection in the public workspace, or import the collection into Postman.

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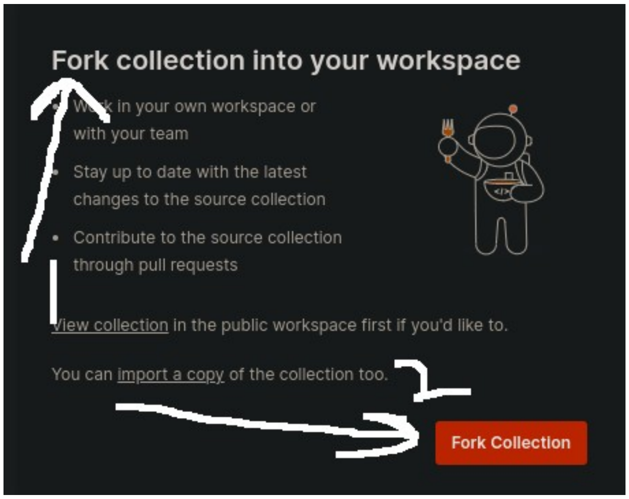
Payments API	▶ Run in Postman
Payouts API	▶ Run in Postman
Accounts API	▶ Run in Postman

4.2 on the next page which you will be redirected to with the headline 'Fork collection into your workspace(see arrow 1 of image below)'. Click on the ‘Fork Collection(arrow 2 of image below)’ button.



Fork collection into your workspace

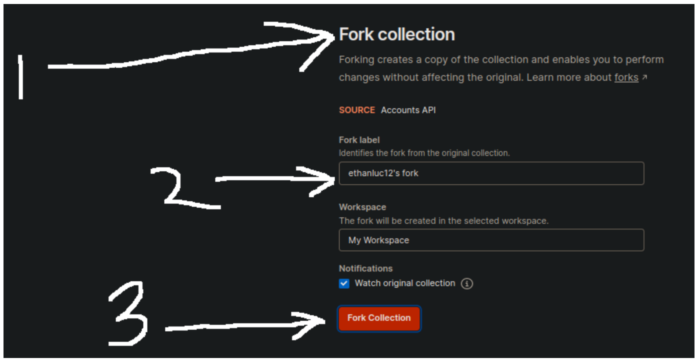
- Work in your own workspace or with your team
- Stay up to date with the latest changes to the source collection
- Contribute to the source collection through pull requests

View collection in the public workspace first if you'd like to.

You can import a copy of the collection too.

Fork Collection

4.3 Next on the page ‘Fork collection(arrow 1 of image below)’, rename the fork label(arrow 2 of image below) if you so desire and click on ‘Fork Collection(arrow 3)’ again. The Accounts API has been successfully forked.



Fork collection

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SOURCE Accounts API

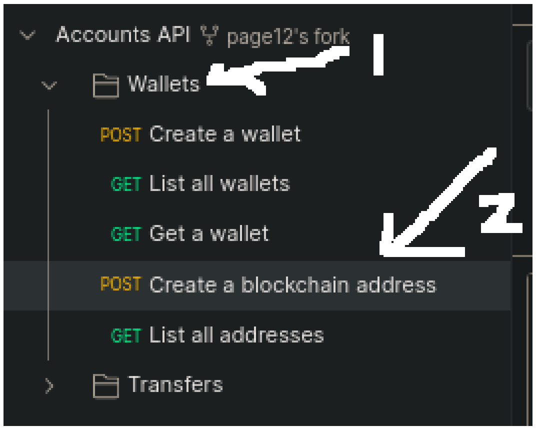
Fork label
Identifies the fork from the original collection.
ethanluc12's fork

Workspace
The fork will be created in the selected workspace.
My Workspace

Notifications
☑ Watch original collection ⓘ

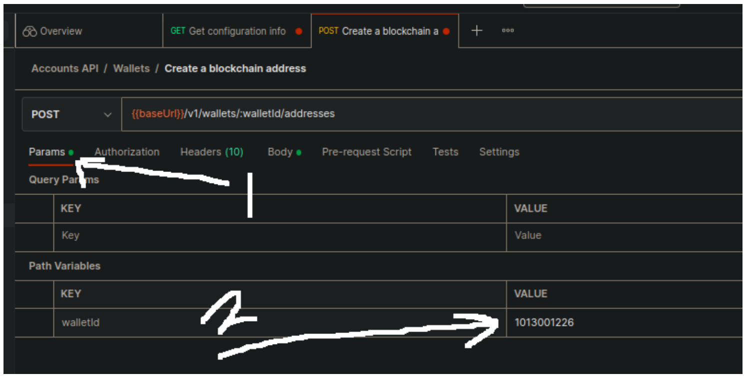
Fork Collection

4.4 Expand the Wallets folder(arrow 1 of image below), select ‘Create a blockchain address(arrow 2)’



Accounts API page12's fork
Wallets
POST Create a wallet
GET List all wallets
GET Get a wallet
POST Create a blockchain address
GET List all addresses
Transfers

4.5 Under the Params tab(arrow 1 of image below), in the Path Variables table, change the value of walletId(arrow 2) to your master wallet identifier obtained from step 3.5


Overview
GET Get configuration info
POST Create a blockchain a
Accounts API / Wallets / Create a blockchain address
Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings
1
2

POST {{baseUrl}}/v1/wallets/:walletId/addresses

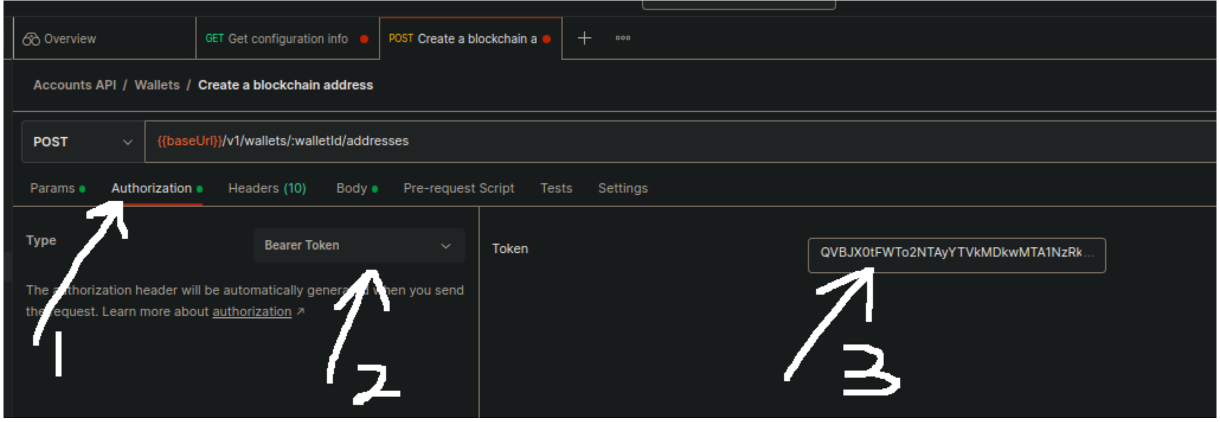
Query Params

KEY	VALUE
Key	Value

Path Variables

KEY	VALUE
walletId	1013001226

4.6 After updating the value of your walletId, head to the Authorization tab(arrow 1 of image below), change the type to 'Bearer token'(arrow 2) and put your API key(arrow 3) from quest 3 .


Overview
GET Get configuration info
POST Create a blockchain a
Accounts API / Wallets / Create a blockchain address
Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings
1
2
3

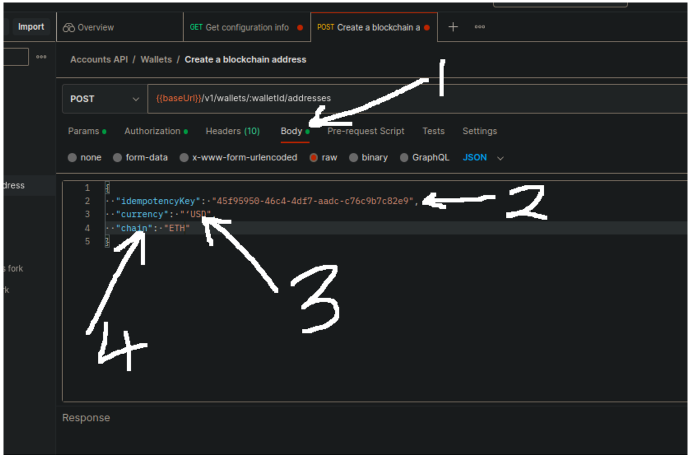
POST {{baseUrl}}/v1/wallets/:walletId/addresses

Type: Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

Token: QVBJX0tFWTo2NTAyYTVkMDkwMTA1NzRk...

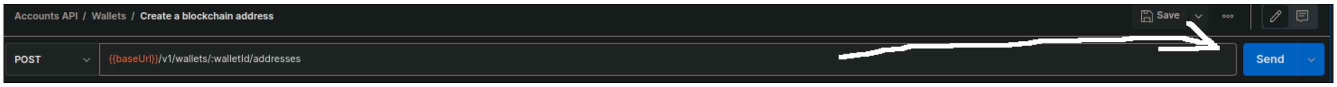
4.7 switch to Body tab(arrow 1 of image below), generate a UUID(ie ‘IdempotencyKey ’, see ‘arrow 2’) from this online generator using https://www.uuidgenerator.net/ , change the currency value to ‘USD’(see arrow 3) and chain value to ‘ETH’(see arrow 4)


Import
Overview
GET Get configuration info
POST Create a blockchain a
Accounts API / Wallets / Create a blockchain address
Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON
Response
1
2
3
4

POST {{baseUrl}}/v1/wallets/:walletId/addresses

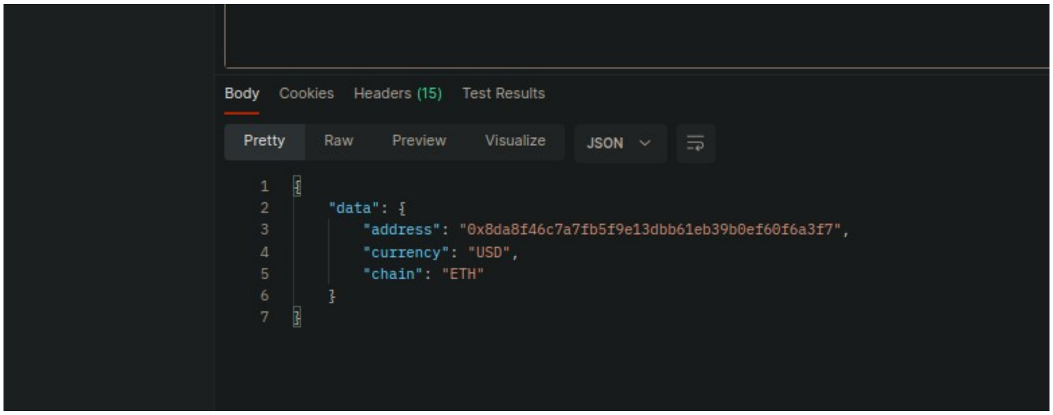
```
{
  "idempotencyKey": "45f95950-46c4-4df7-aadc-c76c9b7c82e9",
  "currency": "‘USD",
  "chain": "ETH"
}
```

4.8 Click the 'Send' button.



{{baseUrl}}/v1/wallets/:walletId/addresses

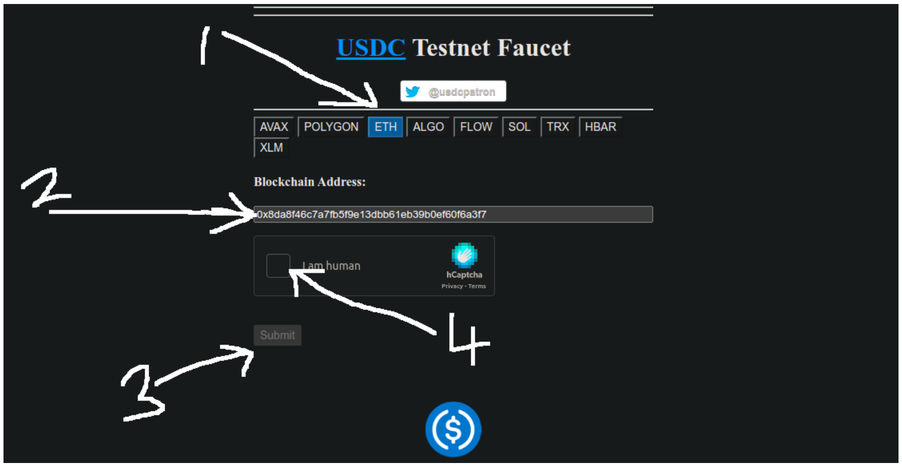
4.9 A successful response should look like the image below, make to save the address from the output below as we will need it later



```
{
    "data": {
        "address": "0x8da8f46c7a7fb5f9e13dbb61eb39b0ef60f6a3f7",
        "currency": "USD",
        "chain": "ETH"
    }
}
```

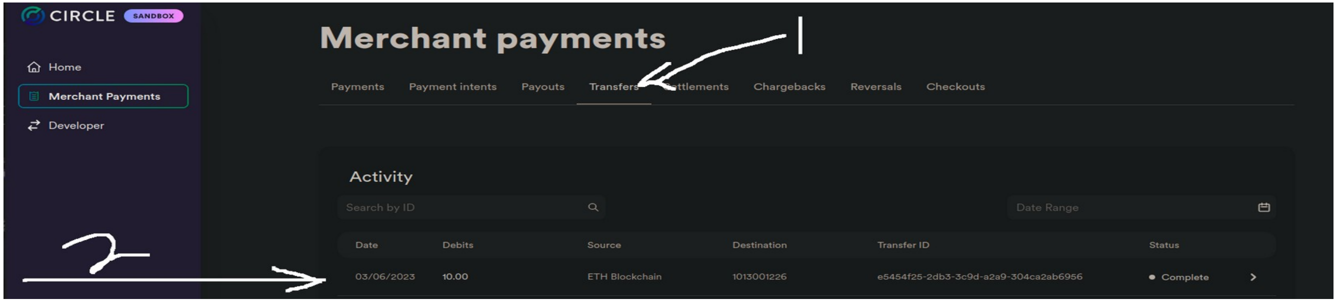
4.10 with the address from step 4.9, head to the ‘USDC Testnet Faucet’ using https://usdcfaucet.com/ . We will send some USDC to our newly created blockchain address using USDC Test Faucet.

4.11 Still on the USDC Faucet site, click on ETH(arrow 1 of image below) and input the blockchain address into the field(arrow 2). On submitting(arrow 3), you should see a line of text that says 'USDC will arrive shortly', arrow 4 is just to confirm you are human



Blockchain Address: 0x8da8f46c7a7fb5f9e13dbb61eb39b0ef60f6a3f7

4.12 Now, go to transfers in your sandbox using https://app-sandbox.circle.com/platform/transfers . In the transfers tab(arrow 1 of image below), you should see the transaction of funds transferred into your wallet (arrow 2).



Merchant payments

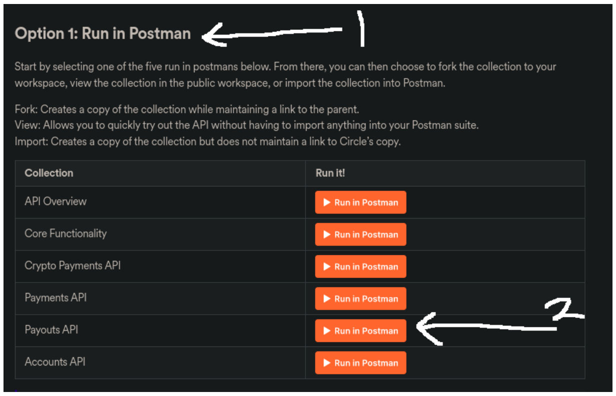
Activity

Date	Debits	Source	Destination	Transfer ID	Status
03/06/2023	10.00	ETH Blockchain	1013001226	e5454f25-2db3-3c9d-a2a9-304ca2ab6956	● Complete

5: Create a Bank Account to Send the Payout to

5.1 To create bank account to send the payout to, we use the Circle Payouts API, head to https://developers.circle.com/developer/docs/postman

5.2 Below Option 1(arrow 1 of image below), next to Payouts API, click on the 'Run in Postman (arrow 3)' Button.



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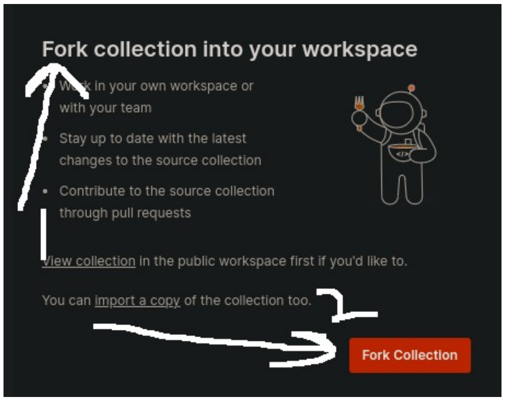
Payments API	▶ Run in Postman
Payouts API	▶ Run in Postman
Accounts API	▶ Run in Postman

5.3 once you are redirected to another page with the headline "Fork collection into your workspace(see arrow 1 below)". Click on the 'Fork Collection(arrow 2 below)' button.



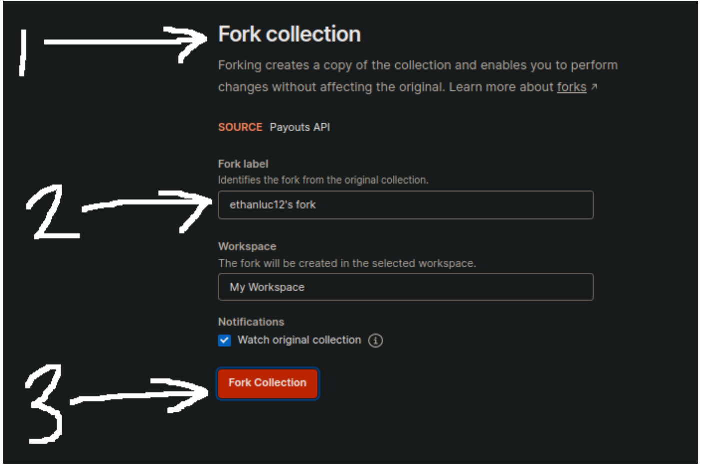
Fork collection into your workspace

- Work in your own workspace or with your team
- Stay up to date with the latest changes to the source collection
- Contribute to the source collection through pull requests

View collection in the public workspace first if you'd like to.

You can import a copy of the collection too.

5.4 On the new page with ‘Fork collection(arrow 1 from image below)’, Rename the fork labels(arrow 2) if you so desire and click on ‘Fork Collection(arrow 3)’ again. The Payouts API has been successfully forked.



Fork collection

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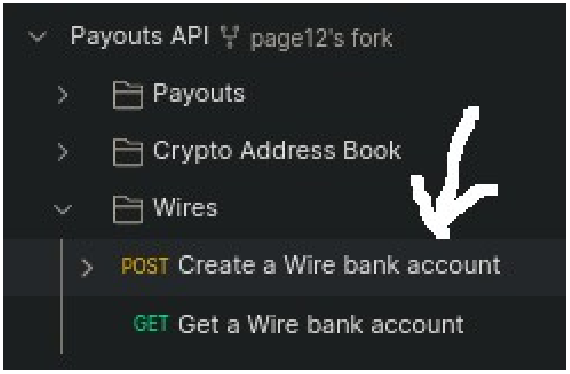
SOURCE Payouts API

Fork label
Identifies the fork from the original collection.
ethanluc12's fork

Workspace
The fork will be created in the selected workspace.
My Workspace

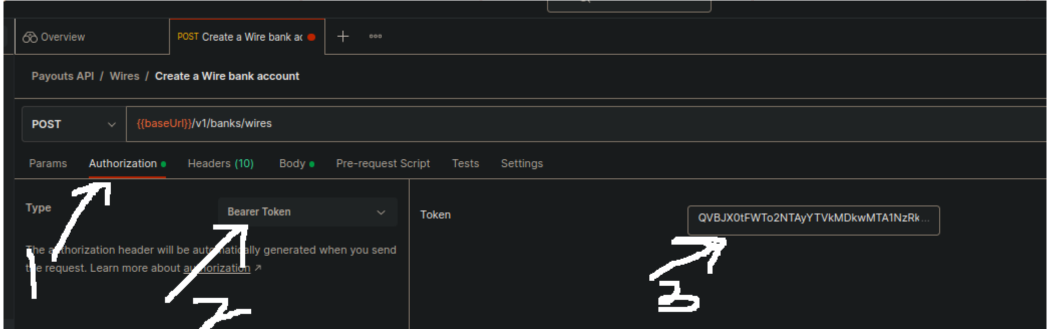
Notifications
☑ Watch original collection

5.5 Under the Wires folder, select 'Create a Wire bank account(see image below)'.



Payouts API page12's fork
Payouts
Crypto Address Book
Wires
POST Create a Wire bank account
GET Get a Wire bank account

5.6 In the Authorization tab(arrow 1 of image below, set the type to Bearer Token(arrow 2) and ensure your API key(arrow 3) from quest 3 is correctly input.



Payouts API / Wires / Create a Wire bank account

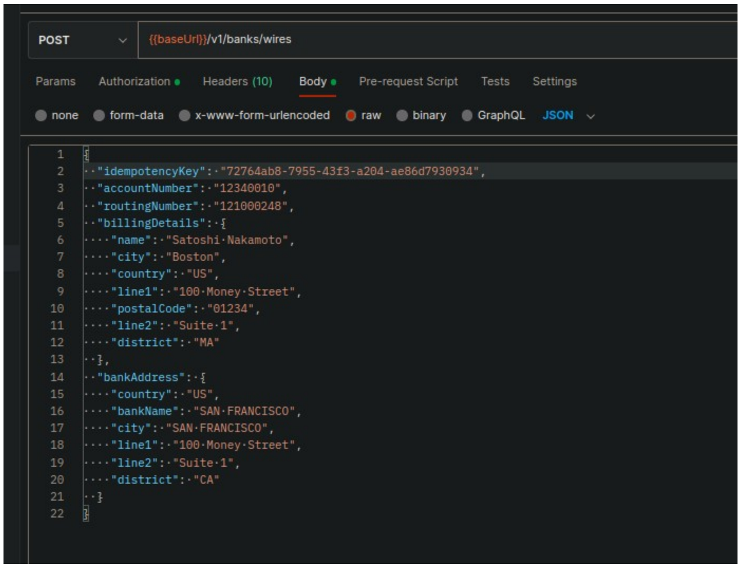
POST {{baseUrl}}/v1/banks/wires

Type: Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

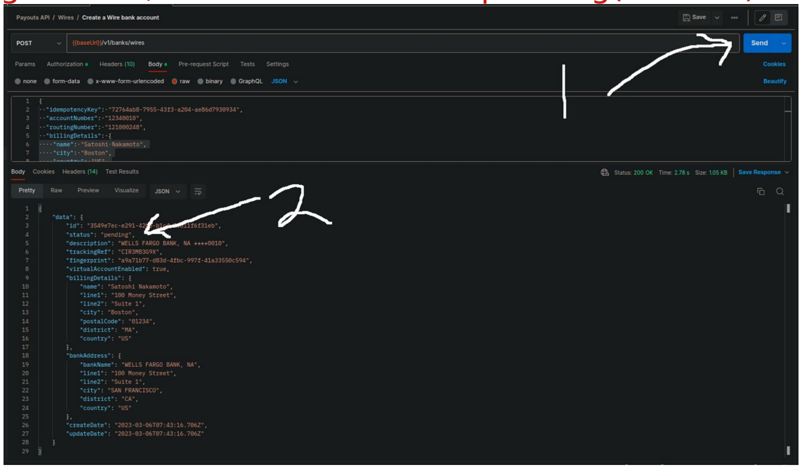
Token: QVBJX0tFWTo2NTAyYTVkMDkwMTA1NzRk...

5.7 Navigate to the Body tab. We need to change ‘idempotencyKey’, which we get by generating a new UUID from https://www.uuidgenerator.net/ . In the end body should look similar to the following:



```
{
  "idempotencyKey": "72764ab8-7955-43f3-a204-ae86d7930934",
  "accountNumber": "12340010",
  "routingNumber": "121000248",
  "billingDetails": {
    "name": "Satoshi Nakamoto",
    "city": "Boston",
    "country": "US",
    "line1": "100 Money Street",
    "postalCode": "01234",
    "line2": "Suite 1",
    "district": "MA"
  },
  "bankAddress": {
    "country": "US",
    "bankName": "SAN FRANCISCO",
    "city": "SAN FRANCISCO",
    "line1": "100 Money Street",
    "line2": "Suite 1",
    "district": "CA"
  }
}
```

5.8 After clicking 'Send (arrow 1 of image below)'. A successful response should look like the image below, where the status is pending(arrow 2).

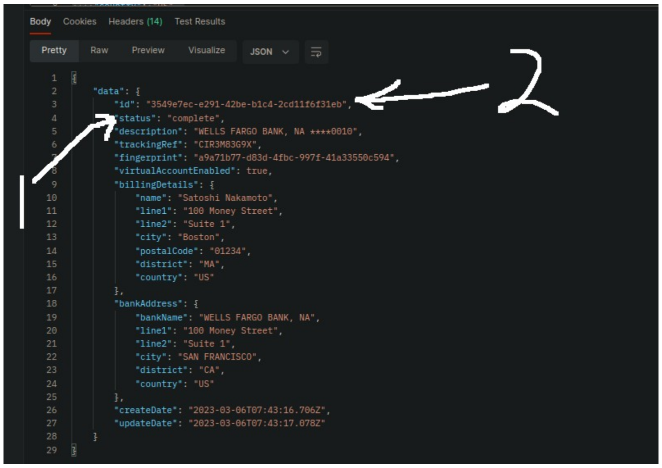


```
{
  "idempotencyKey": "72764ab8-7955-43f3-a204-ae86d7930934",
  "accountNumber": "12340010",
  "routingNumber": "121000248",
  "billingDetails": {
    "name": "Satoshi Nakamoto",
    "city": "Boston",
```

```
{
    "data": {
        "id": "3549e7ec-e291-42[illegible]-b1c4-[illegible]11f6f31eb",
        "status": "pending",
        "description": "WELLS FARGO BANK, NA ****0010",
        "trackingRef": "CIR3M83G9X",
        "fingerprint": "a9a71b77-d83d-4fbc-997f-41a33550c594",
        "virtualAccountEnabled": true,
        "billingDetails": {
            "name": "Satoshi Nakamoto",
            "line1": "100 Money Street",
            "line2": "Suite 1",
            "city": "Boston",
            "postalCode": "01234",
            "district": "MA",
            "country": "US"
        },
        "bankAddress": {
            "bankName": "WELLS FARGO BANK, NA",
            "line1": "100 Money Street",
            "line2": "Suite 1",
            "city": "SAN FRANCISCO",
            "district": "CA",
            "country": "US"
        },
        "createDate": "2023-03-06T07:43:16.706Z",
        "updateDate": "2023-03-06T07:43:16.706Z"
    }
}
```

5.9 We Wait for a few minutes and the status will change from ‘pending’ to 'complete’(arrow 1 of the image below). Alternatively, we can click on send again, using the same idempotency key of course, and the status will be updated, as shown in the image below

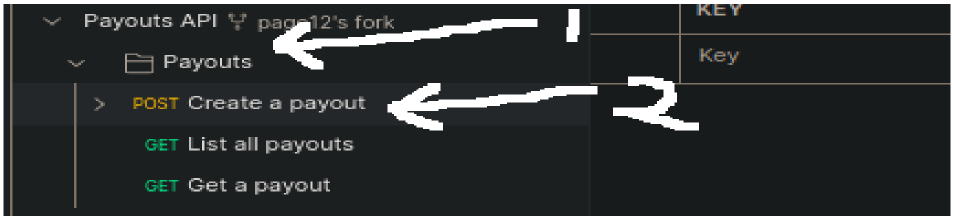
Take note of the ‘id’ value(arrow 2). This is the bank account identifier and we will need that value in the coming stages.



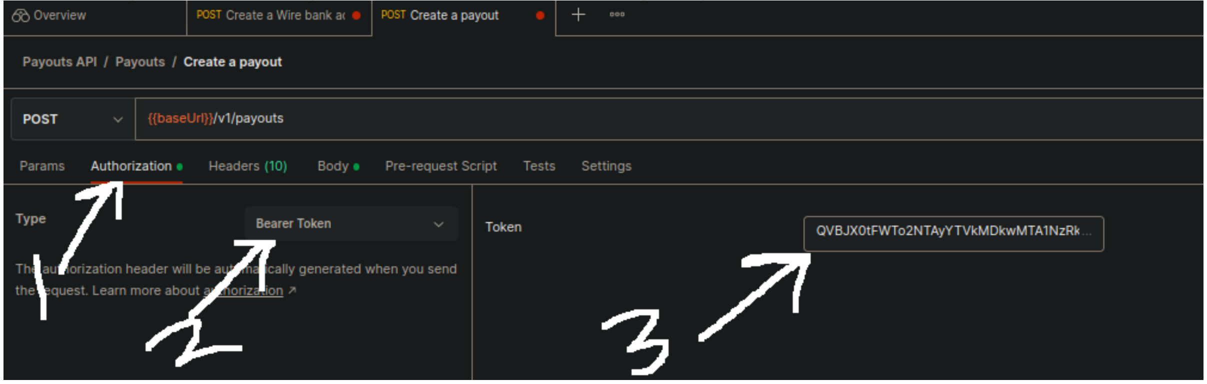
```
{
    "data": {
        "id": "3549e7ec-e291-42be-b1c4-2cd11f6f31eb",
        "status": "complete",
        "description": "WELLS FARGO BANK, NA ****0010",
        "trackingRef": "CIR3M83G9X",
        "fingerprint": "a9a71b77-d83d-4fbc-997f-41a33550c594",
        "virtualAccountEnabled": true,
        "billingDetails": {
            "name": "Satoshi Nakamoto",
            "line1": "100 Money Street",
            "line2": "Suite 1",
            "city": "Boston",
            "postalCode": "01234",
            "district": "MA",
            "country": "US"
        },
        "bankAddress": {
            "bankName": "WELLS FARGO BANK, NA",
            "line1": "100 Money Street",
            "line2": "Suite 1",
            "city": "SAN FRANCISCO",
            "district": "CA",
            "country": "US"
        },
        "createDate": "2023-03-06T07:43:16.706Z",
        "updateDate": "2023-03-06T07:43:17.078Z"
    }
}
```

6 : Send a Payout to a Bank Account

6.1 Under Payout API on your postman, go to Payouts(arrow 1 of image below), select ‘Create a payout’(arrow 2).



6.2 In the Authorization tab(arrow 1 below), set the type to Bearer Token(arrow 2) and ensure your API key(arrow 3) is correctly input



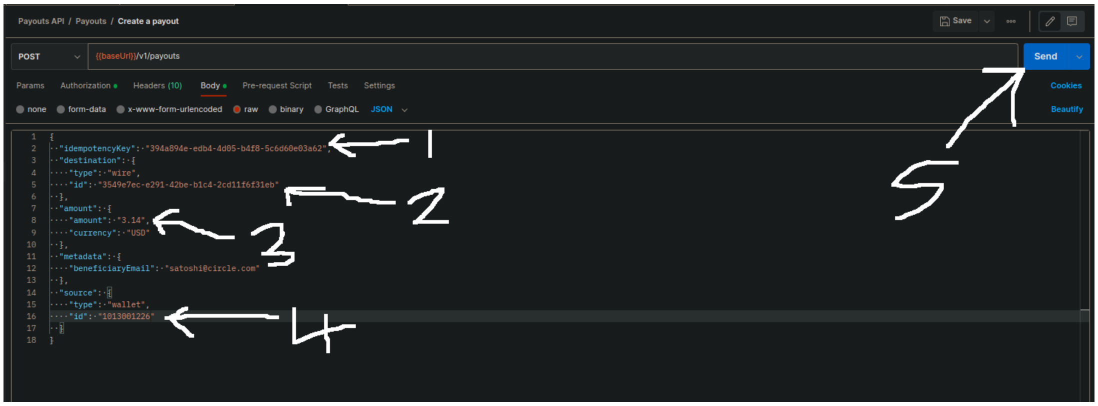
POST {{baseUrl}}/v1/payouts

Type: Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

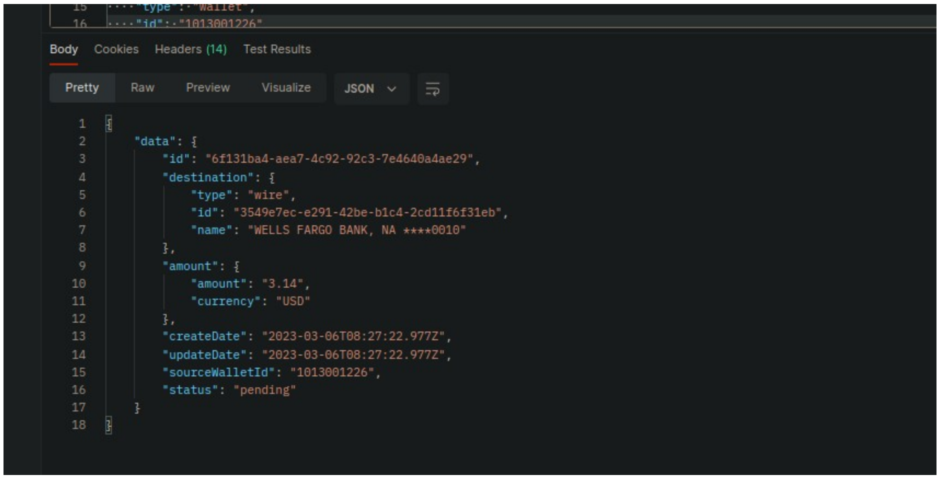
Token: QVBJX0tFWTo2NTAyYTVkMDkwMTA1NzRk...

6.3 In the ‘Body’ tab, Firstly, generate a new UUID using https://www.uuidgenerator.net/ for the idempotencyKey value(arrow 1 of image below). Change the destination id(arrow 2) to the bank account identifier we obtained in 5.9. For the source id(arrow 4), we change it to the master wallet identifier you obtained in 3.5. For the amount(arrow 3), you can enter an amount of your choice. Finally, click the 'Send' button(arrow 5). See image blow for reference



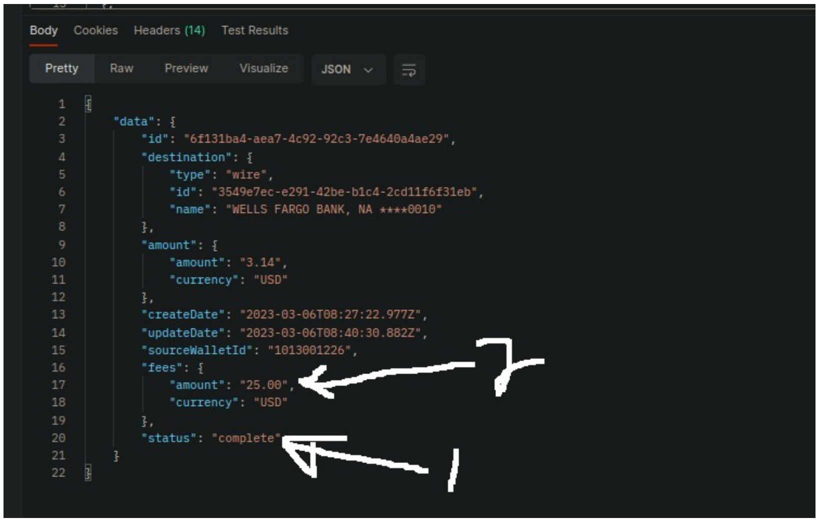
```
{
  "idempotencyKey": "394a894e-edb4-4d05-b4f8-5c6d60e03a62",
  "destination": {
    "type": "wire",
    "id": "3549e7ec-e291-42be-b1c4-2cd11f6f31eb"
  },
  "amount": {
    "amount": "3.14",
    "currency": "USD"
  },
  "metadata": {
    "beneficiaryEmail": "satoshi@circle.com"
  },
  "source": {
    "type": "wallet",
    "id": "1013001226"
  }
}
```

6.4 A successful response should look like the image below, with the status indicated as 'pending'.



```
{
    "data": {
        "id": "6f131ba4-aea7-4c92-92c3-7e4640a4ae29",
        "destination": {
            "type": "wire",
            "id": "3549e7ec-e291-42be-b1c4-2cd11f6f31eb",
            "name": "WELLS FARGO BANK, NA ****0010"
        },
        "amount": {
            "amount": "3.14",
            "currency": "USD"
        },
        "createDate": "2023-03-06T08:27:22.977Z",
        "updateDate": "2023-03-06T08:27:22.977Z",
        "sourceWalletId": "1013001226",
        "status": "pending"
    }
}
```

6.5 wait for a few minutes before the status of payout transaction is changed from ‘pending’ to ‘complete’(arrow 1 from image below).
Alternatively, Click on the 'Send' button again with the same idempotency key in the create payout API endpoint. You should then see a response similar to the screenshot below, where the status is set to complete and a transaction fee of 25 USD(arrow 2) is deducted from the overall balance.



```json
{
    "data": {
        "id": "6f131ba4-aea7-4c92-92c3-7e4640a4ae29",
        "destination": {
            "type": "wire",
            "id": "3549e7ec-e291-42be-b1c4-2cd11f6f31eb",
            "name": "WELLS FARGO BANK, NA ****0010"
        },
        "amount": {
            "amount": "3.14",
            "currency": "USD"
        },
        "createDate": "2023-03-06T08:27:22.977Z",
        "updateDate": "2023-03-06T08:40:30.882Z",
        "sourceWalletId": "1013001226",
        "fees": {
            "amount": "25.00",
            "currency": "USD"
        },
        "status": "complete"
    }
}
```

Awesome, Weldone!!!