# Quickstart: Crypto Payouts

Get started with Circle's Crypto Payouts API and send your first on-chain payout in just a few minutes

The Crypto Payouts API allows you to send USDC, EURC, BTC, ETH and MATIC (on Polygon). To use the Crypto Payouts functionality, the recipient blockchain address needs to be added into the Address Book directory using, before using the address to do an on-chain send.

In this quickstart you will create a recipient, ensure the recipient is active, payout the recipient, and check that the funds have successfully been sent to the recipient. The interaction model with Circle APIs is very similar to other fiat payouts methods.

# 1. Create recipient in address book

Let's first create a recipient to send funds to.

cURL curl --location --request POST 'https://api-sandbox.circle.com/v1/addressBook/recipients' \ --header 'Accept: application/json' \ --header 'X-Request-Id: fb7980ad-fd01-468b-98ff-2d9ecff67f86' \ --header 'Authorization: Bearer your_api_key' \ --header 'Content-Type: application/json' \ --data-raw '{ "idempotencyKey": "9352ec9e-5ee6-441f-ab42-186bc71fbdde", "chain": "ETH", "address": "0x65BFCf1a6289a0b77b4D3F7d12005a05949FD8C3", "metadata": { "email": "[email protected] ", "bns": "testbns", "nickname": "test nickname desc" } }' Response {
"data": {
"id": "dff5fcb3-2e52-5c13-8a66-0a5be9c7ecbe",
"chain": "ETH",
"address": "0x65bfcf1a6289a0b77b4d3f7d12005a05949fd8c3",
"metadata": {
"nickname": "test nickname desc",
"email": "[email protected] ",
"bns": "testbns"
},
"status": "pending",
"updateDate": "2022-09-22T14:16:34.985353Z",
"createDate": "2022-09-22T14:16:34.985353Z"
}
}

# 2. Check recipient status

Prior to sending the payout you must ensure the recipient status is marked active.

In production, all new addresses are marked inactive for the first 24 hours and therefore blocked for payout until that time period has passed. If you would like to override this rule, please work with your customer service representative.

## Option 1: Webhook Notifications

If you have configured webhook notifications you will receive a recipient notification for each status update. In this case you will look for the "status": "active" .

Webhook Notification {
"clientId": "a03a47ff-b0eb-4070-b3df-dc66752cc802",
"notificationType": "addressBookRecipients",
"version": 1,
"customAttributes": {
"clientId": "a03a47ff-b0eb-4070-b3df-dc66752cc802"
},
"addressBookRecipient": {
"id": "dff5fcb3-2e52-5c13-8a66-0a5be9c7ecbe",
"chain": "ETH",
"address": "0x65bfcf1a6289a0b77b4d3f7d12005a05949fd8c3",
"metadata": {
"nickname": "test nickname desc",
"email": "[email protected] ",

```
    "bns": "testbns"
  },
  "status": "active",
  "updateDate": "2022-09-22T14:16:34.985353Z",
  "createDate": "2022-09-22T14:16:34.985353Z"
  }
}
```

## Option 2: Polling

Poll the GET endpoint until the "status": "active" .

cURL curl --location --request GET 'https://api-sandbox.circle.com/v1/addressBook/recipients/dff5fcb3-2e52-5c13-8a66-0a5be9c7ecbe' \ --header 'Accept: application/json' \ --header 'X-Request-Id: 55990729-c59f-4cda-9edd-838cefaa1e42' \ --header 'Authorization: Bearer your_api_key' Response {

```
  "data": {
  "id": "dff5fcb3-2e52-5c13-8a66-0a5be9c7ecbe",
  "chain": "ETH",
  "address": "0x65bfcf1a6289a0b77b4d3f7d12005a05949fd8c3",
  "metadata": {
  "nickname": "test nickname desc",
  "email": "[email protected] ",
  "bns": "testbns"
  },
  "status": "active",
  "updateDate": "2022-09-22T14:16:34.985353Z",
  "createDate": "2022-09-22T14:16:34.985353Z"
  }
}
```

# 3. Payout recipient

Once you have successfully created a recipient, you will create a payout providing the recipient's ID (address ID), originating funds (currency + amount) and the currency the recipient would like to receive.

If toAmount.currency is not provided the amount.currency will be used as receiving currency. cURL curl --location --request POST 'https://api-sandbox.circle.com/v1/payouts' \ --header 'Accept: application/json' \ --header 'X-Request-Id: ff422eab-52fa-4a6e-bf07-b6b522786468' \ --header 'Authorization: Bearer your_api_key' \ --header 'Content-Type: application/json' \ --data-raw '{ "idempotencyKey": "ba943ff1-ca16-49b2-ba55-1057e70ca5c7", "source": { "type": "wallet", "id": "12345", "identities": [ { "type": "individual", "name": "Satoshi Nakamoto", "addresses": [ { "line1": "100 Money Street", "line2": "Suite 1", "city": "Boston", "district": "MA", "postalCode": "01234", "country": "US" } ] } ] }, "destination": { "type": "address_book", "id": "dff5fcb3-2e52-5c13-8a66-0a5be9c7ecbe", }, "amount": { "amount": "3000.14", "currency": "USD" }, "toAmount": { "currency": "ETH" } }' Resposne {

```
  "data": {
  "id": "b8627ae8-732b-4d25-b947-1df8f4007a29",
  "sourceWalletId": "12345",
  "destination": {
  "type": "address_book",
  "id": "b8627ae8-732b-4d25-b947-1df8f4007a29"
  },
  "amount": {
  "amount": "3000.14",
  "currency": "USD"
  },
  "toAmount": {
  "currency": "ETH"
  },
  "status": "pending",
  "updateDate": "2020-04-10T02:13:30.000Z",
  "createDate": "2020-04-10T02:13:30.000Z"
  }
}
```

# 4. Check payout status

Last step, ensure the funds were sent and delivered on chain to the recipient.

## Option 1: Webhook Notifications

If you have configured webhook notifications you will receive a notification for each status update.

Webhook notification {
"clientId": "a03a47ff-b0eb-4070-b3df-dc66752cc802",
"notificationType": "payout",
"version": 1,
"customAttributes": {
"clientId": "a03a47ff-b0eb-4070-b3df-dc66752cc802"
},
"payout": {
"id": "b8627ae8-732b-4d25-b947-1df8f4007a29",
"sourceWalletId": "12345",
"destination": {
"type": "address_book",
"id": "b8627ae8-732b-4d25-b947-1df8f4007a29"
},
"amount": {
"amount": "3000.14",
"currency": "USD"
},
"toAmount": {
"amount": "2.318536607984667",
"currency": "ETH"
},
"fees": {
"amount": "0.00",
"currency": "USD"
},
"networkFees": {
"amount": "0.30",
"currency": "USD"
},
"status": "complete",
"createDate": "2020-04-10T02:13:30.000Z",
"updateDate": "2020-04-10T02:13:30.000Z"
}
}

## Option 2: Polling

curl --location --request GET 'https://api-sandbox.circle.com/v1/payouts/b8627ae8-732b-4d25-b947-1df8f4007a29' \ --header 'Accept: application/json' \ --header 'X-Request-Id: d36f3c00-9c98-4610-bfea-83995379995e' \ --header 'Authorization: Bearer your_api_key' Response { "data": { "id": "2f3bca9a-2d0e-4aef-a511-026eefd3cc6f", "destination": { "type": "address_book", "id": "eaca84eb-69fb-53d3-9dac-f69cb5f1541a" }, "amount": { "amount": "500.00", "currency": "USD" }, "toAmount": { "amount": "500.00", "currency": "USD" }, "externalRef": "0x41f8f2cd555e247716f3e9bc97366ac04a848fd2fde76732c894c6843fc6f8db", "createDate": "2023-08-14T20:30:19.145913Z", "updateDate": "2023-08-14T22:05:55.406292Z", "sourceWalletId": "1000594146", "fees": { "amount": "1.00", "currency": "USD" }, "networkFees": { "amount": "0.01", "currency": "USD" }, "status": "complete" } }
Updatedabout 1 month ago