



BTCPAY

The best way to accept bitcoin

No fees, no intermediary.

Free, open source & self-hosted

bitcoin payment processor

for individuals and businesses

About us



@woutersamaey



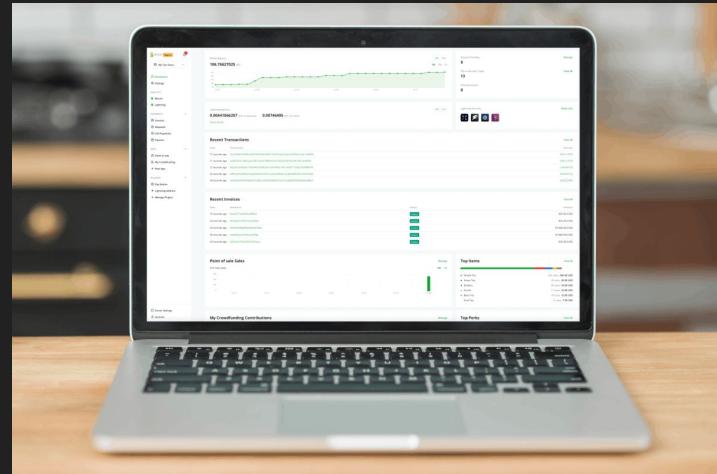
@Bas_02



@pavlenex

What is BTCPay Server?

- Your own Self-hosted Payment Gateway
- Free, Open Source Software (FOSS)
- Extendible platform using plugins
- Software that contains everything you need:
 - Your own Bitcoin node (Bitcoin Core)
 - A Lightning node (LND, Core Lightning, Eclair)
 - Easy Apps to get started



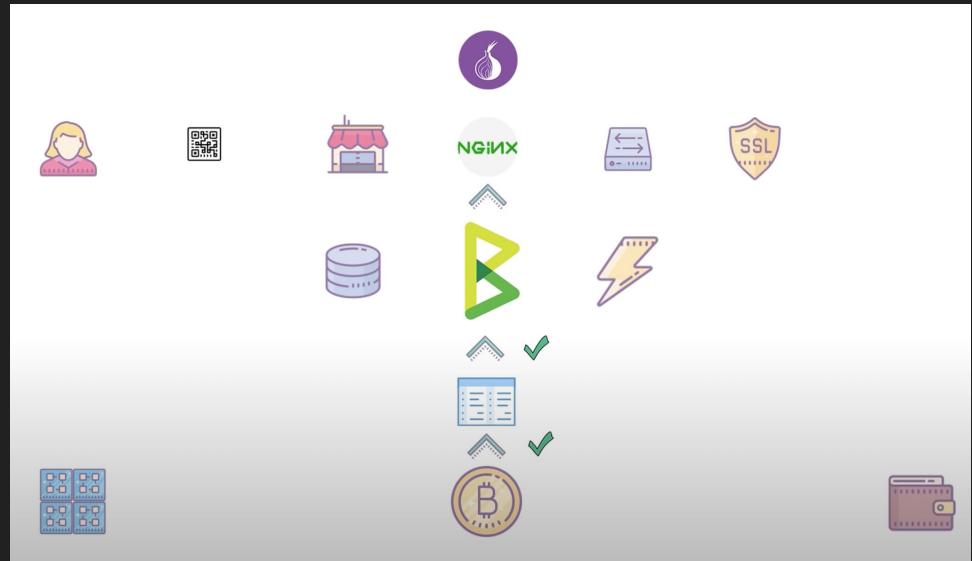
Who is it for?

- Online merchants
- Retail merchants
- Enterprise
- Charities
- Individuals
- Anyone



How does it work?

1. Launch a server in a cloud, your own hardware device or use an existing host.
2. Connect your e-commerce store or use one of many apps included to get paid.
3. Funds arrive directly to your connected hot or cold wallet.



How can you run it?

- At a datacenter
 - Cloud / VPS
 - Dedicated machine
- At home
 - Mini PC, Raspberry, Nodl
- Best to run it 24/7



Getting Started

Use case 1: Retailers

Demo

Create a store, wallet, POS

Point of sale demo & NFC

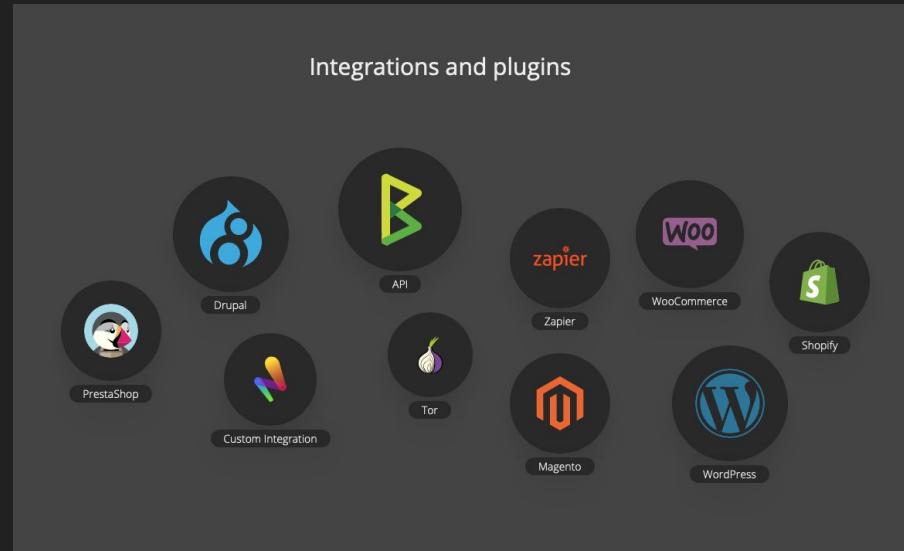


Use case 2: eCommerce

Connect your online store

eCommerce Integrations

- Woocommerce
- Shopify
- Magento 2
- Shopware
- PrestaShop
- OpenCart
- Custom integration using API



Merchants using BTCPay - directory.btcpayserver.org

Screenshot of the BTCPay directory website showing a list of merchants using the BTCPay Server.

The page title is "Merchants, projects and organizations using BTCPay Server".

Showing: ALL

Merchant entries:

- whatUdoin**: Find things to do around the world. Bitcoin accepted.
- IdeasAreLikeFlames**: Ideasarelikeflames.com is a collective based in Munich. We play with technology, explain it and help others use it.
- Bitcoin Spot**: Bitcoinspot.gr is based in Greece and offers a selection of bitcoin and altcoin related merchandise, clothes and accessories.
- BTCPins**: Bitcoin pins & stickers.
- Printed Threads**: Printedthreads is a custom shirt printer that uses BTCPayServer in its shop.
- Britttttk's Donation App**: Britttttk's BTCPayServer donation app. She manages all the translations that need be done for the BTCPayServer and contributes to the documentation.
- Coins of Nakamoto**: A small store that sells little Bitcoin related knick-knack. Some are fit for beginners (like the Satoris), some are fit for the serious collectors.
- Arthusata**: A podcast for adults and children alike exploring the topics of economics, freedom and peace through stories old and new.
- Acceptbtctech**: Making BTCPay Server available for Merchants – Online and offline stores.
- Bitcoin Bloem**: Flowers are beautiful and make people happy. It shows appreciation for one another. Flowers are a waste of energy to grow, so it should be forbidden. We offer you flowers for your bitcoin.
- BitVoucher.cz**: Get vouchers for your favorite Czech services.
- Nicolas Dorier's Donation APP**: This is Nicolas Dorier's BTCPayServer donation app. He is the main coder of BTCPayServer and the individual who started the project in the first place. He loves Docker and Sushi!
- INDUSTRIE Barbershop**: Barber accepting bitcoin.
- LN Art Co.**: Historical works of art, beautifully printed on museum-grade Bamboo canvas. Exclusively via the bitcoin Lightning Network. Delivered worldwide.
- Billfodl**: Billfodl.com offers a wide array of products and accessories that secure and store users private keys and other sensitive data.
- Hohhle**: Hohhle is a shop selling crypto-currency paraphernalia that has the particularity of linking to every project, plugin and app that it uses.
- Blockstream Store**: Blockstream online store sells stickers, hoodies, t-shirts, and metal engraved protectors for your recovery seed.
- host4coins**: host4coins.net is a VPS hosting provider that uses BTCPay Server.
- Munchner Kaffee Rosterei**: kaffeeumuenchen.de is a physical store that offers coffee and barista services. They use the BTCPay Server Point-of-Sale app to accept Bitcoin.
- Bitflix**: Bitflix is a demo of a streaming platform, powered by BTCPay.
- BuyCryptoNewsArticles**: BuyCryptoNewsArticles primarily promotes the use of cryptocurrency and blockchain technology by the masses.
- Bitcoin Audio Donations**: btcpay bitcoinaudio.io makes music and sounds with the bitcoin blockchain data. They use the BTCPay Server crowdfunding app to raise funds for their projects.
- Bitko Yinowsky**: Genuine Bitcoin Art Shop.
- CryptoHO.ST**: Based in Romania, cryptoho.st offers Virtual Private Servers (VPS). Large assortment of plans, starting at \$6 for the basic server.

Random Twitter people

Elon Musk  @elonmusk · Mar 24, 2021

You can now buy a Tesla with Bitcoin

34K 128.5K 846K

Elon Musk  @elonmusk

Tesla is using only internal & open source software & operates Bitcoin nodes directly.

Bitcoin paid to Tesla will be retained as Bitcoin, not converted to fiat currency.

8:09 AM · Mar 24, 2021 · Twitter for iPhone

~500 payments in bitcoin per day by a single merchant



Richard Kirkendall
@NamecheapCEO

190,000 real commerce transactions since we launched about 1 year ago. BTCPay for the win.



Richard Kirkendall @NamecheapCEO · Sep 17, 2020

BTCPayserver as a payment option has officially been launched on Namecheap.com

6:08 PM · Sep 16, 2021 · Twitter Web App

Demo

eCommerce

Use case 3: Crowdfunding

Crowdfunding / Payment Request

- WeAreAllHodlonaut
- Bitcoinsmiles
- Bitcoin For Tor

Demo

Crowdfunding

Use case 4: Getting paid

Demo

Payment Requests

Use case 5: Personal wallet

Hardware wallets, Coin selection, Labels, PSBTs, ...

Demo

Personal wallet

Plugins

The screenshot shows the BTCPay Server dashboard with the "Plugins" section highlighted. The sidebar on the left includes links for Dashboard, Settings, Wallets (Bitcoin, Lightning), Payments (Invoices, Requests, Pull Payments, Payouts), Apps (Test, LNRUL Test, LNURL PosTest), and Plugins (Pay Button, Lightning Address, Manage Plugins). The main content area displays a grid of available plugins:

- BTCPay Server** (1.6.11.0, System plugin): BTCPay Server core system.
- Shopify** (1.6.11.0, System plugin): Allows you to integrate BTCPay Server as a payment option in Shopify.
- Crowdfund** (1.6.11.0, System plugin): Create a self-hosted funding campaign, similar to Kickstarter or Indiegogo. Funds go directly to the creator's wallet without any fees.
- Pay Button** (1.6.11.0, System plugin): Easily-embeddable HTML button for accepting tips and donations.
- Point Of Sale** (1.6.11.0, System plugin): Readily accept bitcoin without fees or a third-party, directly to your wallet.
- AOPP** (1.0.1.0): Allows you to support the AOPP protocol in invoices to allow customers to bypass stupid KYC rules.
 - Dependencies: BTCPayServer: >=1.6.0.0
 - Install** button
- FixedFloat** (1.0.5.0): Allows you to embed a FixedFloat conversion screen to allow customers to pay with altcoins.
 - Dependencies: BTCPayServer: >=1.6.0.0
 - Install** button
- Liquid+** (1.0.7.0): Enhanced support for the liquid network.
 - Dependencies: BTCPayServer: >=1.6.0.0
 - Install** button
- LNURL NFC Support** (1.0.5.0): Allows you to support contactless card payments over NFC and LNURL Withdrawl.
 - Dependencies: BTCPayServer: >=1.6.0.0
 - Install** button
- SideShift** (1.0.8.0): Allows you to embed a SideShift conversion screen to allow customers to pay with altcoins.
 - Dependencies: BTCPayServer: >=1.6.0.0
 - Install** button
- TicketTailor** (1.0.5.0): Allows you to integrate with TicketTailor.com to sell tickets for Bitcoin.
 - Dependencies: BTCPayServer: >=1.6.0.0
 - Install** button

Upcoming feature

Exchange support & dealing with fiat

Problem

- Merchant has funds in multiple places
 - Funds on exchange(s)
 - On-Chain Wallet
 - LN Node
- Hard to get an overview of all your funds
- Managing funds on the exchange(s) site
 - Who has access to the exchange account?
- Automating your process is hard

Solution

- Add exchange support to BTCPay Server
- Manage ALL your funds from inside BTCPay Server
- Allow automation through an API
- Give merchants an easy tool to automate without code

Custodian Accounts

- Anything can be a “Custodian Account”... if it stores funds
- Can have ...
 - trading support,
 - deposit support,
 - withdrawal support
- ...but it is all optional
- Some potential ideas for later
 - Another BTCPay store that is deposit only (i.e. parent company)
 - Your traditional bank account (it holds fiat only, showing balance)
 - A custodial wallet (viewing, depositing, withdrawing but no trading)
 - Your account with a Fintech company

How to use it?

 Custodian Accoun... Dashboard Settings

WALLETS

 Bitcoin Lightning

PAYMENTS

 Invoices Requests Pull Payments Payouts

APPS

 + New App

PLUGINS

 Pay Button Lightning Address + Manage Plugins Server Settings Account

Server Settings

[Users](#) [Email](#) [Policies](#) [Services](#) [Theme](#) [Maintenance](#) [Logs](#) [Files](#)

Policies

Existing User Settings

- Allow non-admins to use the internal lightning node in their stores ?
- Allow non-admins to create hot wallets for their stores ?
- Allow non-admins to import hot wallets for their stores

New User Settings

- Require a confirmation email for registering ?
- Disable new user registration on the server
- Disable non-admins access to the user creation API endpoint

Notification Settings

- Disable notifications from automatically showing (no websockets) ?
- Disable stores from using the server's email settings as backup ?

Maintenance Settings

- Check releases on GitHub and notify when new BTCPay Server version is available
- Discourage search engines from indexing this site ?
- Enable experimental features



[Custodian Account...](#)[Dashboard](#)[Settings](#)**WALLETS**[Bitcoin](#)[Lightning](#)[+ Add Custodian](#) Experimental**PAYMENTS**[Invoices](#)[Requests](#)[Pull Payments](#)[Payouts](#)**APPS**[+ New App](#)**PLUGINS**[Pay Button](#)[Lightning Address](#)[+ Manage Plugins](#)[Server Settings](#)[Account](#)

Server Settings

[Users](#)[Email](#)[Policies](#)[Services](#)[Theme](#)[Maintenance](#)[Logs](#)[Files](#)

Policies updated successfully



Policies

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[Custodian Accoun...](#)[Dashboard](#)[Settings](#)

WALLETS

[Bitcoin](#)[Lightning](#)[+ Add Custodian](#) Experimental

PAYMENTS

[Invoices](#)[Requests](#)[Pull Payments](#)[Payouts](#)

APPS

[+ New App](#)

PLUGINS

[Pay Button](#)[⚡ Lightning Address](#)[+ Manage Plugins](#)[Server Settings](#)[Account](#)

Add a custodian account

Custodian *

Kraken

[Continue](#)

 Custodian Accoun... Dashboard Settings

WALLETS

 Bitcoin LightningKraken Experimental + Add Custodian Experimental

PAYMENTS

 Invoices Requests Pull Payments Payouts

APPS

 + New App

PLUGINS

 Pay Button Lightning Address + Manage Plugins Server Settings

Add a custodian account

Cannot connect to Kraken. Please check your API and private keys.

Custodian *

Kraken

Name *

Kraken

The Name field is required.

Connection details

API Key *

Enter your Kraken API Key. Your API Key should have [at least these permissions](#).

Private Key *

Enter your Kraken Private Key

Withdrawal settings

Withdrawal "address description" pointing to your store's BTC-OnChain wallet

The exact name of the withdrawal destination as stored in your Kraken account for your store's BTC-OnChain wallet. [Learn how to setup a withdrawal destination](#). Example value: "Mum's Bitcoin Savings"

Withdrawal "address description" pointing to your store's LTC-OnChain wallet

Kraken Pro Beta program is open!
Be among the first to discover our new advanced crypto trading platform

New Order Orders Positions Trades

Total balance
301.20 EUR
2 assets

ASSETS	AMOUNT	PRICE	24H	
Bitcoin (BTC) Spot	0.00944 BTC	19,913.4 EUR	-1.13%	187.9825 EUR
Euro (EUR) Spot	113.22 EUR	-	-	113.22 EUR

Available Balances:
0.00944 BTC
113.22 EUR

Wouter ▾

Settings ▾
Security ▾

Overview
2FA Settings
Global Settings Lock

API

Get Verified

Default currency
Euro (EUR) >

Sign Out





Trade

Prices

Earn

Funding

History

Support

Buy Crypto

Available Balances:

0.00944 BTC

113.22 EUR



Wouter ▾

Market
BTC/EURLast price
19,896.8 EURIndex price
19,891.2 EUR24h volume
1,127.17471 BTCWeighted avg.
20,146.1 EUR24h low/high
19,850.0 EUR — 20,404.9 EUR

Security Overview

2FA Settings

Global Settings Lock

API

API key management

Custom API keys

Add, remove or edit any of your API keys below.

KEY	DESCRIPTION	KEY EXPIRATION	CREATED	LAST MODIFIED		
wouter-site-tool		N/A	12/15/17 19:25:29	12/15/17 19:25:29	Edit	Remove
BTCPay		N/A	02/09/22 11:29:19	02/09/22 11:29:19	Edit	Remove
btcpayserver-kraken-plugin		N/A	08/05/22 11:36:03	08/07/22 21:55:20	Edit	Remove

Add key

API

Our API enables you to interact with our exchange programmatically (via software instead of a human interface), allowing automated access to real time market data, trading, and account management.

[Learn more](#)

SUPPORTED ARTICLES

Using the Kraken API with a third party service

Our API allows third party services (such as trading bots, mobile apps and portfolio management services) to integrate with a Kraken account so that they can view account balances, retrieve trading history, place and cancel orders and so on.

Add API key

Key description

btcpayserver-kraken-plugin

Nonce window

0

KEY PERMISSIONS

Funds

- Query funds
- Deposit funds
- Withdraw funds

Orders & Trades

- Query open orders & trades
- Query closed orders & trades
- Create and modify orders
- Cancel/close orders

Other

- Query ledger entries
- Export data
- Access WebSockets API

IP whitelisting

Allow API calls only from specific IPs or IP ranges for this key. To enter a range, use the format: 100.1.1.1/24



Key expiration

Set a key expiration date and time, after which it becomes unusable



Query start date/time

Earliest data is allowed to be queried



Query end date/time

Latest data is allowed to be queried



Custodian Account Overview

Custodian account: Kraken

[Deposit](#)[Configure](#)

Balances

Hide holdings worth less than 1 EUR.

Asset	Balance	Unit Price (Bid)	Unit Price (Ask)	Fiat Value	Actions
BTC	0.0104918020	20 273,30 € (EUR)	20 274,80 € (EUR)	212,70 € (EUR)	Trade Deposit Withdraw
EUR	92.0345			92,03 € (EUR)	Trade Withdraw

Features

The Kraken custodian supports:

- Viewing asset balances
- Converting assets using market orders
- Depositing
- Withdrawing

Converting Assets

Custodian account: Kraken

[Deposit](#)[Configure](#)

Balances

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EUR	92.0345			92,03 € (EUR)	Trade Withdraw

Features

The Kraken custodian supports:

- Viewing asset balances
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- Withdrawing



Trade 0.005245901 BTC into EUR

X

Convert

0.00524590

BTC

Into

106.299790

EUR



Hide

10%

25%

50%

75%

90%

100%

Asset

1 EUR = 0.000049350059713572256 BTC

Fiat Value

BTC

1 BTC = 20263.399999999998 EUR

212,70 € (EUR)

EUR

After the trade 0.005245901 BTC will remain in your account.

92,03 € (EUR)

Final results may vary due to trading fees and slippage.

Updating quote...

Cancel

Execute

- Viewing asset balances
- Converting assets using market orders
- Depositing

Trade 0.005245901 BTC into EUR

X

Convert

0.005245901 BTC

Into

106.300839

EUR



BTC

10%

25%

EUR

6%

75%

90%

100%

Asset

1 EUR = 0.000049349572632701 BTC

Flat Value

BTC

1 BTC = 20263.6 EUR

212,70 € (EUR)

EUR

After the trade 0.005245901 BTC will remain in your account.

92,03 € (EUR)

Final results may vary due to trading fees and slippage.

Cancel

Execute

- Viewing asset balances
- Converting assets using market orders
- Depositing

Trade 0.005245901 BTC into EUR

X

Convert

0.00524590

BTC



Into

106.258872

EUR

10%

25%

50%

75%

90%

ANKR

ANT

ATOM

AUD

BAL

BAT

BCH

BNT

CAD

CHF

COMP

CRV

DAI

DASH

DOT

ENJ

EOS

ETC

ETH

EUR

1 EUR = 0.00004936906337012974 BTC

1 BTC = 20255.6 EUR

After the trade 0.005245901 BTC will remain in your account.

Final results may vary due to trading fees and slippage.

Cancel

The Krake

- Viewing asset balances
- Converting assets using market orders
- Depositing
- Withdrawing

Trade 0.0010491802 BTC into EUR

X

Successfully traded BTC into EUR.

Hide Asset Comment

+21.24962 EUR

ASSET

Fiat Value

BTC

-0.00104918 BTC

212,70 € (EUR)

EUR

-0.05525 EUR

Fee

92,03 € (EUR)

Trade ID: OVX MJ

Close

The Kraken

- Viewing
- Converting assets using market orders
- Depositing
- Withdrawing

Withdrawal

[Custodian Account...](#)[Dashboard](#)[Settings](#)

WALLETS

[Bitcoin](#)[Lightning](#)[Kraken Experimental](#)[+ Add Custodian Experimental](#)

PAYMENTS

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APPS

[+ New App](#)

PLUGINS

[Pay Button](#)[⚡ Lightning Address](#)[+ Manage Plugins](#)[Server Settings](#)

Custodian account: Kraken

[Deposit](#)[Configure](#)

Balances

 Hide holdings worth less than 1 EUR.

Asset	Balance	Unit Price (Bid)	Unit Price (Ask)	Flat Value	Actions
BTC	0.0094426220	20 254,70 € (EUR)	20 256,60 € (EUR)	191,26 € (EUR)	Trade Deposit Withdraw
EUR	113.2290			113,23 € (EUR)	Trade Withdraw

Features

The Kraken custodian supports:

- Viewing asset balances
- Converting assets using market orders
- Depositing
- Withdrawing

Custodian Accoun... ▾

Dashboard

Settings

WALLETS

Bitcoin

Lightning

Kraken Experimental+ Add Custodian Experimental

PAYMENTS

Invoices

Requests

Pull Payments

Payouts

APPS

+ New App

PLUGINS

Pay Button

Edit custodian account

Name *

Kraken

Connection details

API Key *

.....

Enter your Kraken API Key. Your API Key should have [at least these permissions](#).

Private Key *

.....



Enter your Kraken Private Key

Withdrawal settings

Withdrawal "address description" pointing to your store's BTC-OnChain wallet

My Store Wallet

The exact name of the withdrawal destination as stored in your Kraken account for your store's BTC-OnChain wallet. [Learn how to setup a withdrawal destination](#). Example value: "Mum's Bitcoin Savings"

Withdrawal "address description" pointing to your store's LTC-OnChain wallet

The exact name of the withdrawal destination as stored in your Kraken account for your store's LTC-OnChain wallet. [Learn how to setup a withdrawal destination](#). Example value: "Mum's Bitcoin Savings"



Trade

Prices

Earn

Funding

History

Support

Buy Crypto

Available Balances:
0.00944 BTC
113.22 EUR



Wouter ▾

Market
BTC/EURLast price
19,905.5 EURIndex price
19,897.0 EUR24h volume
1,117.78009 BTCWeighted avg.
20,145.5 EUR24h low/high
19,850.0 EUR — 20,404.9 EUR

« BACK

Deposits and withdrawals

Bitcoin
0.00944000 BTC ≈ 187.92 EUR

Deposit

Withdraw



Bitcoin Network

Standard blockchain protocol



Lightning Network

New channel-based protocol

Withdrawal address

Search

bc1q0t8q.....hx93e4t8

My Store Wallet

Minimum withdrawal

0.00050 BTC

Maximum withdrawal

0.00944 BTC

Withdrawal fee

0.00001 BTC

Withdraw BTC

B BITCOIN BALANCES (BTC)

Total	0.00944
In orders	0.00000
Staking	0.00000
Available	0.00944

FUNDING LIMITS

Withdrawn funds	\$0.00 of \$10,000,000.00 USD
Daily withdraw limit	\$10,000,000.00 USD

Recent transactions

ID	DATE	TYPE	AMOUNT	STATUS
AGB4JW	08/31/22 15:53:08	Withdrawal	0.22699 BTC	Success
AGGQ2S	08/31/22 15:50:19	Withdrawal	0.00739 BTC	Success
AGBW6	08/29/22 21:15:37	Withdrawal	0.00049 BTC	Success
AGB7GT	06/03/22 17:22:49	Withdrawal	0.06035 BTC	Success

Withdraw 0.002360655 BTC



Asset to Withdraw

BTC

Hide

Payment Method

BTC-OnChain

Asset

Flat Value

BTC

192,01 € (EUR)

EUR

113,23 € (EUR)

Destination

Store wallet

Quantity

0.002360655

- Viewing

10%

- Conver

25%

- Depos

50%

- Withdr

75%

90%

100%

Fee: 0.00001 BTC or 0.20333900000000002 EUR

After withdrawing 0.007081967 BTC will remain in your account.

[Close](#)

[Withdraw](#)

Withdraw 0.002360655 BTC

X

Successfully completed withdrawal.

Cust

Bala

Hide

Asset

Comment

Asset

-6.36035 BTC Withdrawal

BTC

-0.00001 BTC Fee

EUR

Withdrawal ID

AGB...C...2b2e477cf4

Feat

The Krake

- Viewing
- Conver
- Deposit
- Withdra

Transaction ID

a7214...2b2e477cf4

Target Address

bc1q0t8q...5hx93edpg

Close

Depositing

Custodian Account...

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Kraken Experimental

+ Add Custodian Experimental

PAYMENTS

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Requests

Pull Payments

Custodian account: Kraken

Deposit

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Balances

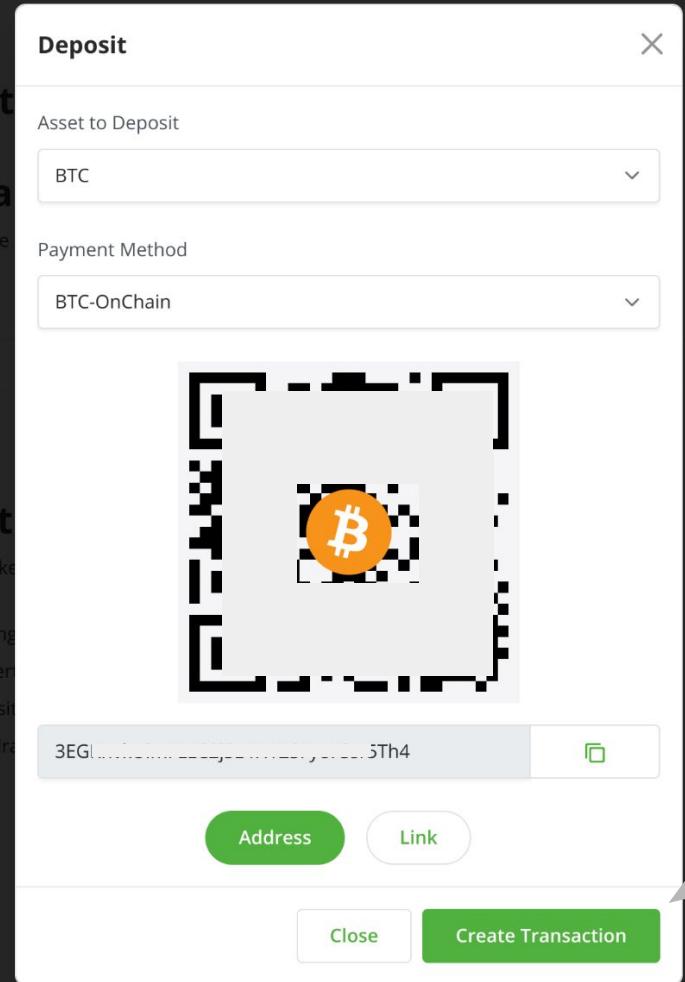
 Hide holdings worth less than 1 EUR.

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Features

The Kraken custodian supports:

- Viewing asset balances
- Converting assets using market orders
- Depositing
- Withdrawing



Takes you to the
“Store’s Wallet Send”
page. The address will
be prefilled.

Automation

For developers: Powerful API called the “Greenfield API”
<https://docs.btcpayserver.org/API/Greenfield/v1/>

For non-developers: Zapier integration
<https://zapier.com/apps/btcpay-server/integrations>

Contributors



Interns of all age



Community ❤



BTCPay Foundation Supporters



Spiral



Baillie Gifford



Strike



HRF



PNXBET



LunaNode



Wallet of Satoshi



Nomics



Coincards



IVPN



BTCPAY

Questions?

Or ask us later on chat.btcpayserver.org