

Crypto Portfolio Tracker

1. Introduction

This website will help manage crypto assets by aggregating in one place all the coins own on different exchanges and private wallets.

The end-users are individuals who own crypto-currencies; instead of having to connect to each exchange to check their balance, they will be able to track all their holdings at once in a secure read-only platform and benefit from analytic tools such as performance metrics and risk analysis.

Frequent traders will benefit the most from the auto-sync feature that automatically fetches transactions from exchanges and removes the need to input the trades manually like on most trackers on the market.

2. Expected List of Features

Support of multiple sources of assets

- support all coins traded on major exchanges
- track coins held in private wallets
- display value in any fiat currency

Minimum input required from user

- automatically sync transactions made on exchanges (with API key)
- get balance from private wallets

Performance tracker

- list coins with quantity held, last price, %age change over the past 24 hours, week
- P&L and other portfolio management metrics such as Sharpe ratio

Risk analysis tools

- pie charts of diversification by coin or exchange
- volatility, VaR and risk metrics
- suggestion of optimal Markowitz portfolio

3. Market Survey

Since the crypto bubble early this year, a lot of crypto-currencies portfolio trackers have been developed. I will focus here on five of the biggest players, two of them are apps (Blockfolio and Delta) and do not offer access from a browser unlike the three others.

Data Sources

All competitors (except CoinTracker) support thousands of coins. The killer feature, auto-syncing of transactions from exchanges, is supported by Delta, CoinTracker and Altpocket (they can also display details of transactions) with Delta being far ahead of the competition with a claimed support of more than 200 exchanges. Delta, CoinTracker and CryptoCompare can handle private wallets, while Delta and Altpocket offer support for ICO. All of them can convert the balance into major fiat currencies.

Analytics

All platforms can display simple P&L but CryptoCompare clearly stands out with a complete set of tools from risk analysis to accounting. CoinTracker is the only one to include tax reports.

Market Exploration

The two mobile apps Blockfolio and Delta offer a lot of tools to explore the market with order books and price alerts that no other competitor has. Blockfolio is also the only one to include a newsfeed while Delta and Altpocket let the user create separate watchlists. All platforms except Altpocket provide price charts for all coins.

	my site	Blockfolio	Delta	CoinTracker	CryptoCompare	Altpocket
platform	web	app	app	web	web	web
DATA SOURCE						
coins supported	?	3000+	3000+	100+	5300+	?
API auto-sync	✓	✗	✓	✓	✗	✓
exchanges supported	?	0	200+	17	0	4
private wallets	✓	✗	✓	✓	✓	✗
ICO supported	✗	✗	✓	✗	✗	✓
PORTFOLIO VIEW						
multiple portfolios	✗	✗	✓	✗	✓	✗
transaction details	✗	✗	✓	✓	✗	✓
fiat supported	any	60+	any	any	20+	any
ANALYTICS						
asset allocations graph	✓	✗	✓	✗	✓	✗
performance metrics	✓	✗	✗	✗	✓	✗
risk analysis	✓	✗	✗	✗	✓	✗
accounting	✗	✗	✗	✗	✓	✗
tax report	✗	✗	✗	✓	✗	✗
EXPLORATION						
price chart	✓	✓	✓	✓	✓	✗
order book	✗	✓	✓	✗	✗	✗
price alerts	✗	✓	✓	✗	✗	✗
newsfeed	✗	✓	✗	✗	✗	✗
watchlist	✗	✗	✓	✗	✗	✓
OTHER						
social platform	✗	✗	✗	✗	✗	✓

In summary,

- **Blockfolio** while advertising themselves as being "the best Cryptocurrency Portfolio Management App" is actually the one with the least functionalities (except for market exploration).
- **Delta** excels both in term of available data sources and market exploration tools, furthermore the multi portfolios and watchlists are nice options to build different strategies.
- **CoinTracker** offers a decent web platform with auto-sync but lacks analytic tools despite being the only one to include tax reports.
- **CryptoCompare** has the best analytic toolkit by far but does not include the much needed auto-sync feature, furthermore the UI experience is not as good as the other platforms, it's hard to find where the portfolio is and the "add from exchange" option seems to be broken.
- **Altpocket** is the least developed platform as most tools are still in development but they are the only one to provide a unique social platform with tools to share your portfolio, write articles, follow other traders, etc.

In conclusion, the website I wish to develop aims at bridging the gap between platforms that provide auto-sync (like Delta and CoinTracker) and analytic tools (like CryptoCompare).

4. References

The competition

- **Blockfolio**, "the best Cryptocurrency Portfolio Management App": <https://blockfolio.com/>
- **Delta**, "ICO and Cryptocurrency Portfolio Tracker": <https://delta.app/>
- **CoinTracker**, "Crypto Portfolio & Tax Manager": <https://www.cointracker.io/>
- **CryptoCompare**: <https://www.cryptocompare.com/portfolio>
- **Altpocket**, "A Social Cryptocurrency Tracker": <https://altpocket.io/>

Exchanges

- **Binance**: <https://www.binance.com/>
- **Coinbase**: <https://www.coinbase.com/>

Wallet explorers

- **Bitcoin** block explorer: <https://www.blockchain.com/explorer>
- **Ethereum** block explorer: <https://etherscan.io/>