



Currencies

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November 2022



Bitcoin

- “Bitcoin is a non-permissioned or public blockchain, meaning that there is no restriction on who can spend bitcoin or take part in verifying the authenticity of blocks of transactions in the blockchain (an energy intensive process known as ‘mining’). These miners are rewarded with a token, in this case a Bitcoin, and the blockchain is transparent in the sense that everyone can view the chain (though identities are anonymised).”



Top 10 Cryptocurrencies by Market Cap (November 7, 2022)

#	Name	Price	1h %	24h %	7d %	Market Cap	Volume(24h)	Circulating Supply	Last 7 Days
1	Bitcoin BTC	\$20,766.38	▼0.00%	▼2.14%	▲0.12%	\$398,899,185,451	\$46,627,385,781 2,244,379 BTC	19,200,756 BTC	
2	Ethereum ETH	\$1,584.38	▲0.16%	▼2.06%	▼2.35%	\$194,015,219,564	\$14,587,058,845 9,200,694 ETH	122,373,863 ETH	
3	Tether USDT	\$1.00	▲0.00%	▼0.00%	▲0.01%	\$69,363,947,615	\$65,216,157,371 65,213,096,964 USDT	69,360,692,564 USDT	
4	BNB BNB	\$331.56	▼0.21%	▼5.65%	▼0.45%	\$53,231,889,176	\$1,511,099,118 4,541,268 BNB	159,976,441 BNB	
5	USD Coin USDC	\$1.00	▲0.02%	▲0.02%	▲0.02%	\$42,725,938,209	\$3,162,605,103 3,162,227,838 USDC	42,720,841,466 USDC	
6	XRP XRP	\$0.4733	▲0.21%	▼3.31%	▲2.80%	\$23,759,474,974	\$1,388,010,038 2,933,538,796 XRP	50,215,300,844 XRP	
7	Binance USD BUSD	\$1.00	▲0.02%	▲0.01%	▲0.05%	\$22,554,818,637	\$8,071,321,738 8,067,514,106 BUSD	22,544,178,442 BUSD	
8	Dogecoin DOGE	\$0.1175	▲0.40%	▼4.64%	▼3.62%	\$15,635,387,159	\$1,510,467,418 12,816,751,175 DOGE	132,670,764,300 DOGE	
9	Cardano ADA Buy	\$0.4109	▲0.53%	▼2.35%	▼0.66%	\$14,098,914,263	\$554,340,881 1,350,329,265 ADA	34,343,807,546 ADA	
10	Solana SOL Buy	\$31.60	▼0.09%	▼11.44%	▼6.68%	\$11,395,463,947	\$2,132,064,871 67,304,365 SOL	359,728,485 SOL	



Bitcoin price (March 14, 2021)





Ethereum price (November 7, 2022)





Market Capitalization (Cryptoasset)

Market capitalization of the cryptoasset is calculated by multiplying the existing **reference price of the cryptoasset** by the current **circulating supply**. Let's take the market capitalization of Bitcoin as an example:

Let (C) be the last known reference price of Bitcoin from CoinMarketCap in USD.

Let (S) be the current circulating supply of Bitcoin.

Let (D) be the derived market capitalization for Bitcoin.

For this example, let (C) = 10,000 USD / 1 BTC and let (S) = 17,000,000 BTC.

$$D = C * S$$

$$D = 10,000 \text{ USD} / 1 \text{ BTC} * 17,000,000 \text{ BTC} = 170,000,000,000 \text{ USD}$$

Therefore, the derived market capitalization for Bitcoin is \$170,000,000,000 USD.



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☆ 1	Bitcoin BTC	\$60,346.57	▲ 0.90%	▲ 19.16%	\$1,126,625,121,356	\$50,576,110,937 837,393 BTC	18,653,631 BTC		⋮
☆ 2	Ethereum ETH	\$1,880.35	▲ 0.23%	▲ 12.15%	\$216,439,013,979	\$22,103,849,923 11,749,068 ETH	115,045,874 ETH		⋮
☆ 3	Binance Coin BNB	\$270.10	▼ 3.72%	▲ 12.68%	\$41,862,861,098	\$2,315,255,355 8,546,546 BNB	154,532,785 BNB		⋮
☆ 4	Tether USDT	\$1.00	▲ 0.38%	▼ 0.02%	\$38,248,337,860	\$94,242,247,204 94,230,507,804 USDT	38,243,573,409 USDT		⋮
☆ 5	Cardano ADA	\$1.08	▼ 6.08%	▼ 5.23%	\$34,451,473,779	\$4,365,838,997 4,048,627,241 ADA	31,948,309,441 ADA		⋮
☆ 6	Polkadot DOT	\$36.88	▼ 3.24%	▲ 6.09%	\$34,129,721,399	\$1,883,446,258 50,779,877 DOT	920,176,537 DOT		⋮
☆ 7	XRP XRP	\$0.4495	▼ 0.64%	▼ 3.98%	\$20,364,350,068	\$2,842,719,050 6,338,080,849 XRP	45,404,028,640 XRP		⋮
☆ 8	Uniswap UNI	\$32.18	▼ 1.85%	▲ 1.63%	\$16,841,354,532	\$598,778,698 18,549,608 UNI	521,729,523 UNI		⋮
☆ 9	Litecoin LTC	\$220.35	▼ 2.17%	▲ 17.26%	\$14,684,348,142	\$5,483,434,859 24,888,768 LTC	66,650,802 LTC		⋮
☆ 10	Chainlink LINK	\$29.11	▼ 3.31%	▲ 2.77%	\$12,072,816,807	\$1,228,574,481 42,029,380 LINK	413,009,556 LINK		⋮



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Stablecoins



Tether price (November 7, 2022)

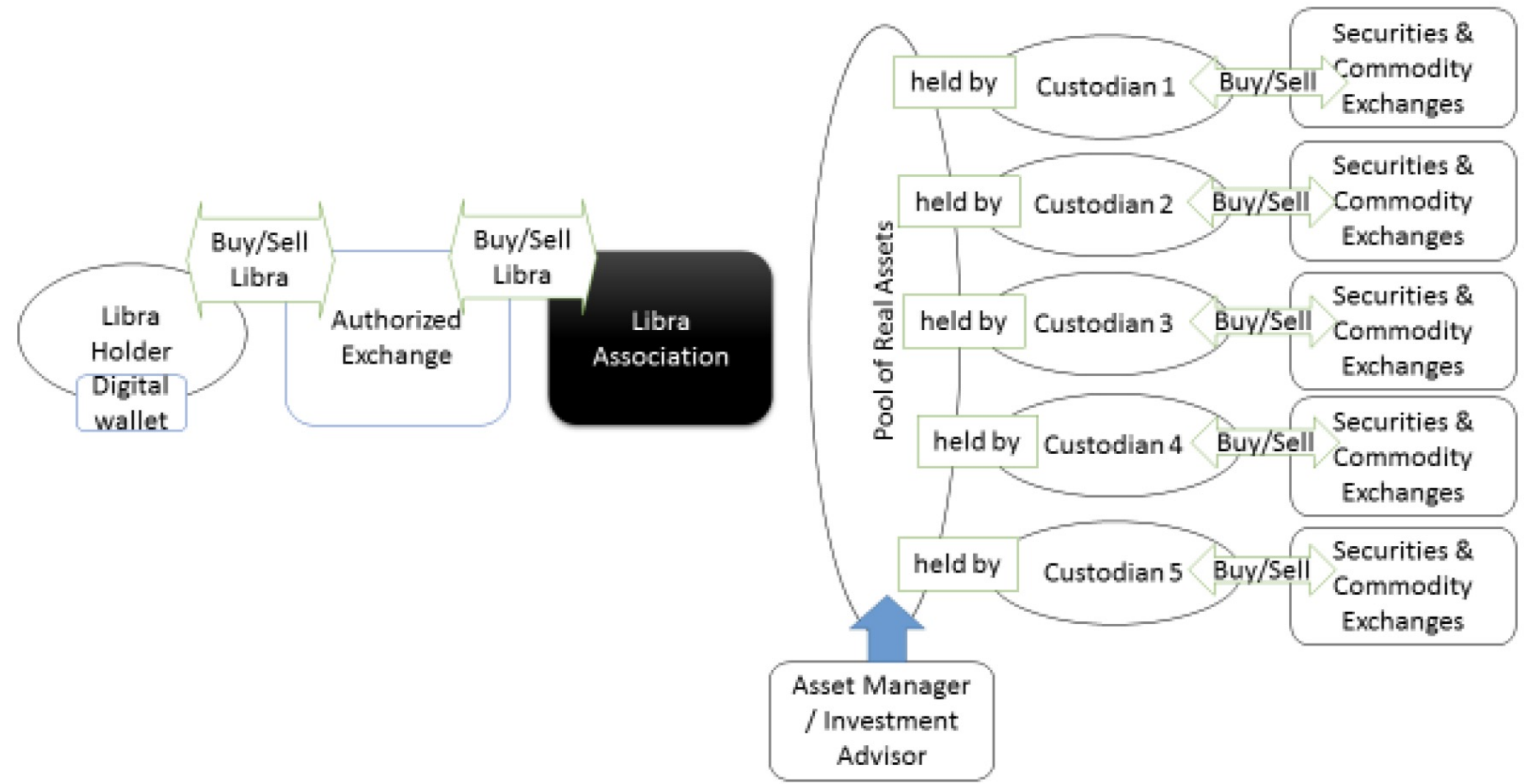


CoinMarketCap

Source: <https://coinmarketcap.com>



Original Version of Libra





Criticism of Libra

- Centralize control (by Facebook) would forfeit benefits of distributed system
- Potential invasions of privacy
- Could displace national currencies, especially of developing countries
- Antitrust hazards



Reconfiguration

- Collaborators leave original consortium
 - Mastercard
 - Visa
 - Paypal
- Single stablecoin replaced by many stablecoins, each backed by currency of a particular country
- Branding distance from Facebook
 - “Diem Association”
- Permission-based system
- Currently (March 2021) awaiting approval from FINMA for dollar-backed currency