



Crypto

STG FW24 Week 5



Agenda

- Market Update
- Open Discussion
- Crypto
- Q&A



Market Update(Last Week)

- **S&P 500:** 5,699.94 **-22.06**
- **NASDAQ:** 17,918.48 **-163.52**
- **Dow Jones:** 42,011 **+597.59**
- **Crude Oil:** \$73.86 **+2.09**
- **Gold:** \$2,668.31 **+73.4**
- **10-Year Yield:** 3.853% **+0.126%**
- **Bitcoin (BTC):** \$60,938 **-2539.14**



Market Update(10/10)

- **S&P 500:** 5,774.06 **+74.12**
- **NASDAQ:** 18,218.14 **+299.66**
- **Dow Jones:** 42,429.01 **+418.01**
- **Crude Oil:** \$74.23 **+\$0.37**
- **Gold:** \$2,635.60 **- \$32.71**
- **10-Year Yield:** 3.853%(no change)
- **Bitcoin (BTC):** \$60,180 **-2539.14**
- Markets have been bracing for potential corrections. Stifel's Chief Stock Strategist warned of a possible 10% drop in the S&P 500 by year-end due to the slowing job market and persistent inflation.
- China's stock market saw a significant rally due to new stimulus measures aimed at boosting the economy. This has led to speculation that non-U.S. stocks could begin outperforming U.S. stocks if Chinese earnings continue to improve.

Open Discussion

- Recent Trades?
- News?
- Predictions?
- Economic Data?
- Earnings?
- Etc.





What is Crypto

- Cryptocurrency is a digital or virtual asset that operates on blockchain technology. It is decentralized, meaning it is not controlled by any central authority, making it a volatile yet attractive asset class for traders.
- **Key Trading Aspects:**
 - **Decentralized Finance (DeFi)** --> trading without intermediaries like traditional exchanges, enabling 24/7 trading opportunities globally
 - **Liquidity:** Leading cryptocurrencies (e.g., Bitcoin, Ethereum) have high trading volumes and deep liquidity, making them suitable for active trading strategies
- **Applications in Trading:**
 - **Spot/Margin Trading:** Buying and selling cryptocurrencies for immediate settlement.
 - **Derivatives:** Futures, options, and perpetual contracts on cryptocurrencies offer hedging and speculative opportunities.
 - **Arbitrage:** Crypto markets can present arbitrage opportunities due to price discrepancies across exchanges.



Why Trade Crypto?

- **24/7 Market Accessibility:**

- Unlike traditional financial markets, crypto markets are open 24/7, offering flexibility to trade anytime
- This continuous market provides opportunities across different time zones and market cycles.

- **Arbitrage Opportunities:**

- Price discrepancies can occur across different exchanges due to the decentralized nature
- High-frequency trading (HFT) strategies can be applied to take advantage of these opportunities.

- **High Volatility:**

- Cryptocurrencies are known for their significant price fluctuations, creating opportunities for traders to capitalize on rapid price movements



Popular Cryptocurrencies

Symbol	Last Price	24hr Change	8hr Funding	Volume	Open Interest
☆ BTC-USD 50x	60,991	-1,348 / -2.18%	0.0100%	\$316,816,292	\$325,525,291
☆ ETH-USD 50x	2,412.9	-27.2 / -1.11%	0.0100%	\$172,051,881	\$180,295,797
☆ SOL-USD 20x	140.35	-3.84 / -2.67%	0.0100%	\$62,034,079	\$107,272,942
☆ kPEPE-USD 20x	0.009099	-0.000481 / -5.02%	0.0100%	\$56,464,110	\$41,220,344
☆ SUI-USD 20x	1.8812	-0.1035 / -5.22%	0.0100%	\$42,585,897	\$18,202,011
☆ WIF-USD 5x	2.3336	-0.1495 / -6.02%	0.0100%	\$27,191,313	\$21,511,035
☆ POPCAT-USD 5x	1.1495	-0.0987 / -7.91%	0.0227%	\$18,046,774	\$13,940,888
☆ FTM-USD 20x	0.66983	-0.00067 / -0.10%	0.0100%	\$17,851,543	\$11,885,407
☆ APT-USD 20x	8.8007	-0.5958 / -6.34%	0.0100%	\$17,510,235	\$21,113,817

#	Name	Price	1h %	24h %	7d %	Market Cap	Volume(24h)	Circulating Supply	Last 7 Days
1	Bitcoin BTC	\$60,990.75	+0.14%	+2.10%	+1.05%	\$1,204,914,032,879	\$25,720,602,570 422,139 BTC	19,765,406 BTC	
2	Ethereum ETH	\$2,413.26	+0.00%	+1.12%	+2.00%	\$290,508,023,187	\$13,660,520,557 5,668,892 ETH	120,379,888 ETH	
3	Tether USDT	\$0.9992	+11.00%	+0.03%	+0.09%	\$119,750,074,950	\$48,878,544,450 48,896,932,663 USDT	119,848,153,357 USDT	
4	BNB BNB	\$571.11	+0.41%	+2.40%	+0.84%	\$83,343,481,462	\$1,931,244,397 3,378,713 BNB	145,932,196 BNB	
5	Solana SOL	\$140.29	+0.05%	+2.60%	+0.53%	\$65,848,532,018	\$1,593,899,488 11,325,490 SOL	469,376,065 SOL	
6	USDC USDC	\$0.9999	+0.00%	+0.00%	+0.01%	\$34,790,087,972	\$5,154,302,255 5,154,467,144 USDC	34,792,581,619 USDC	
7	XRP XRP	\$0.5289	+0.14%	+0.79%	+7.54%	\$29,958,840,858	\$833,603,210 1,573,880,059 XRP	56,645,058,199 XRP	
8	Dogecoin DOGE	\$0.1086	+0.02%	+1.33%	+4.11%	\$15,884,748,739	\$623,129,413 5,721,698,941 DOGE	146,298,936,384 DOGE	
9	TRON TRX	\$0.1606	+0.24%	+0.37%	+4.23%	\$13,900,643,540	\$325,014,949 3,032,089,587 TRX	86,565,962,298 TRX	
10	Toncoin TON	\$5.12	+0.23%	+1.55%	+3.57%	\$12,997,859,903	\$164,355,752 32,697,402 TON	2,536,799,398 TON	



Introduction to Blockchain Technology

Blockchain is a decentralized, distributed ledger technology that records transactions across many computers, ensuring security, transparency, and immutability.

Key Characteristics:

- Decentralization: No central authority manages the blockchain.
- Transparency: Transactions are visible to all participants.
- Immutability: Once data is recorded, it cannot be altered.

Real-World Examples:

- Cryptocurrencies like Bitcoin and Ethereum
- Supply chain tracking, Healthcare, digital identity, and smart contracts



How Blockchain Works

Structure:

- Distributed Ledger:
 - distributed, decentralized ledger that records all transactions across a network of computers
- Blocks
 - Transactions are grouped together into blocks.
 - Each block contains a list of transactions, a timestamp, and a reference (hash) to the previous block
 - [Ethereum Transaction Hash \(Txhash\) Details | Etherscan](#)
- Consensus Mechanism
 - To add a new block, network participants (miners or validators) must agree on the block's validity through a consensus mechanism.
 - Examples include:
 - Proof of Work (PoW): Miners solve complex mathematical puzzles to validate transactions and create new blocks.
 - Proof of Stake (PoS): Validators are chosen based on their stake (ownership) in the network to validate transactions.



Benefits and Challenges of Blockchain

Benefits

- Security: Cryptography makes it difficult to tamper with data.
- Transparency: Everyone in the network has access to the ledger.
- Efficiency: Eliminates the need for intermediaries in transactions.

Challenges

- Scalability: Handling a high volume of transactions can be slow and costly.
- Energy Consumption: Consensus mechanisms like Proof of Work require significant computational power.
- Regulation: Lack of standardized regulations across countries.

Where to Trade Crypto

- **Centralized Exchanges:**

- Coinbase, Binance, Kraken, Kucoin
- Requires KYC identity approval

- **Decentralized Exchanges:**

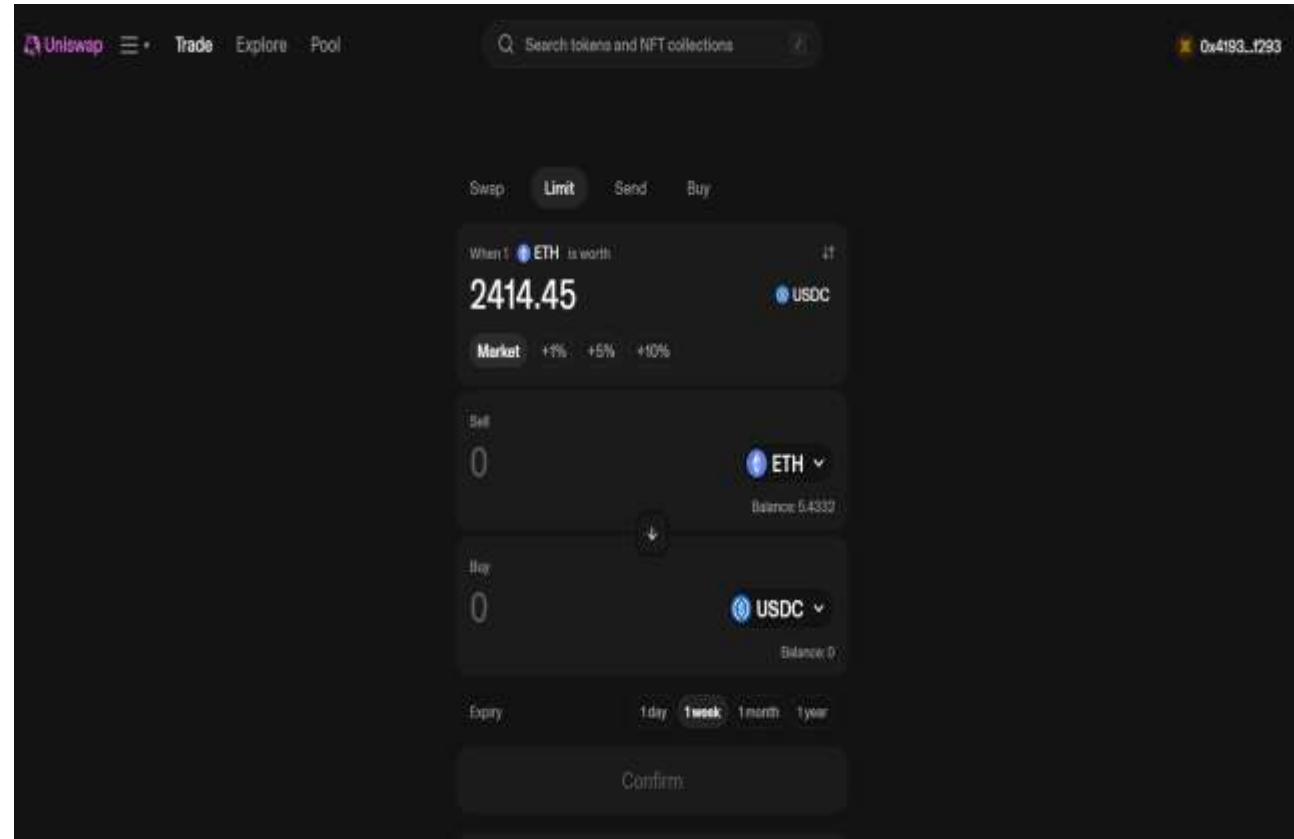
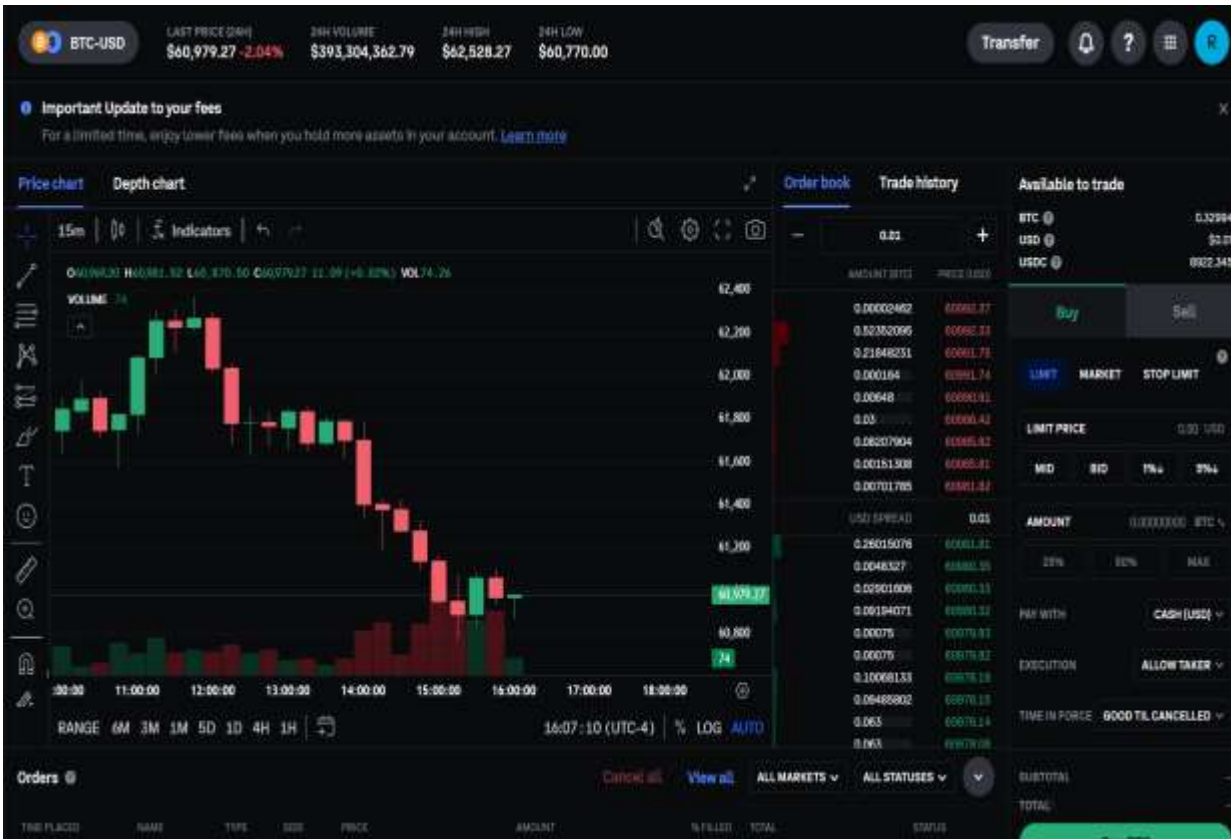
- Aevo, Hyperliquid, Uniswap, 1inch
- Requires capital within a Metamask/Phantom/Sollet wallet
- May require a VPN to access (due to regulatory issues within the US)



coinbase



How to Trade Crypto





Crypto Derivatives

- **Types:**
 - Futures
 - Contracts to buy or sell a cryptocurrency at a predetermined price at a specified future date
 - Perpetual Contracts
 - Similar to futures but with no expiration date. Traders can hold positions indefinitely, paying or receiving funding fees
 - Options
 - Contracts that give the right, but not the obligation, to buy (call) or sell (put) a cryptocurrency at a specific price before a certain date
- **Disclaimer:** Crypto Derivatives are banned in the US, however...
 - dYdX, Aevo, Hyperliquid, etc
 - With unlimited leverage comes a lot of responsibility



Automated Crypto Strategies

- Popular strategies:
 - Arbitrage
 - Take advantage of price differences for the same asset on different exchanges
 - Market Making (HFT)
 - placing buy and sell orders for a specific asset to profit from the bid-ask spread. Market makers provide liquidity to the market and earn small profits
 - Trend Following
 - identify and follow market trends
- CCXT
 - A library of crypto exchange API's used to fetch tickers, prices, orderbook and can execute orders
 - Built on Python, JavaScript or PHP
- TradingView PineScript



Q & A



Thank you for coming

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