Digital Assets – Fundamentals, Controls, and Tax Issues

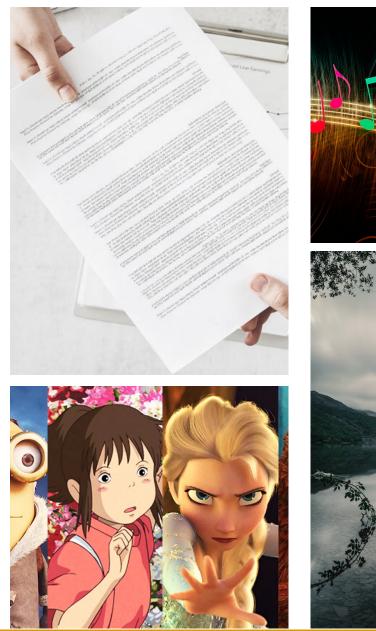
Steve Davenport, and Nishani Vincent December 13, 2023



Digital Asset

Anything digital that has

- value
- establishes ownership
- is discoverable









Digital, Virtual, and Crypto Currencies

Digital Currency

All virtual and crypto currencies are digital

Not all digital currencies are virtual or cryptocurrencies

E.g. Central Bank Digital Currency (CBDC)

Virtual Currency

Largely unregulated

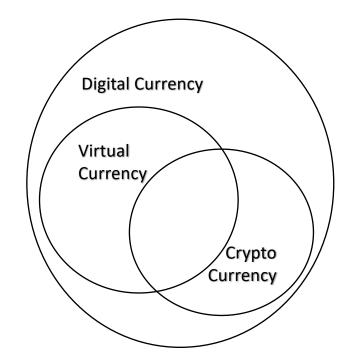
Issued and usually controlled by its developers

Used and accepted electronically among the members of a specific virtual community

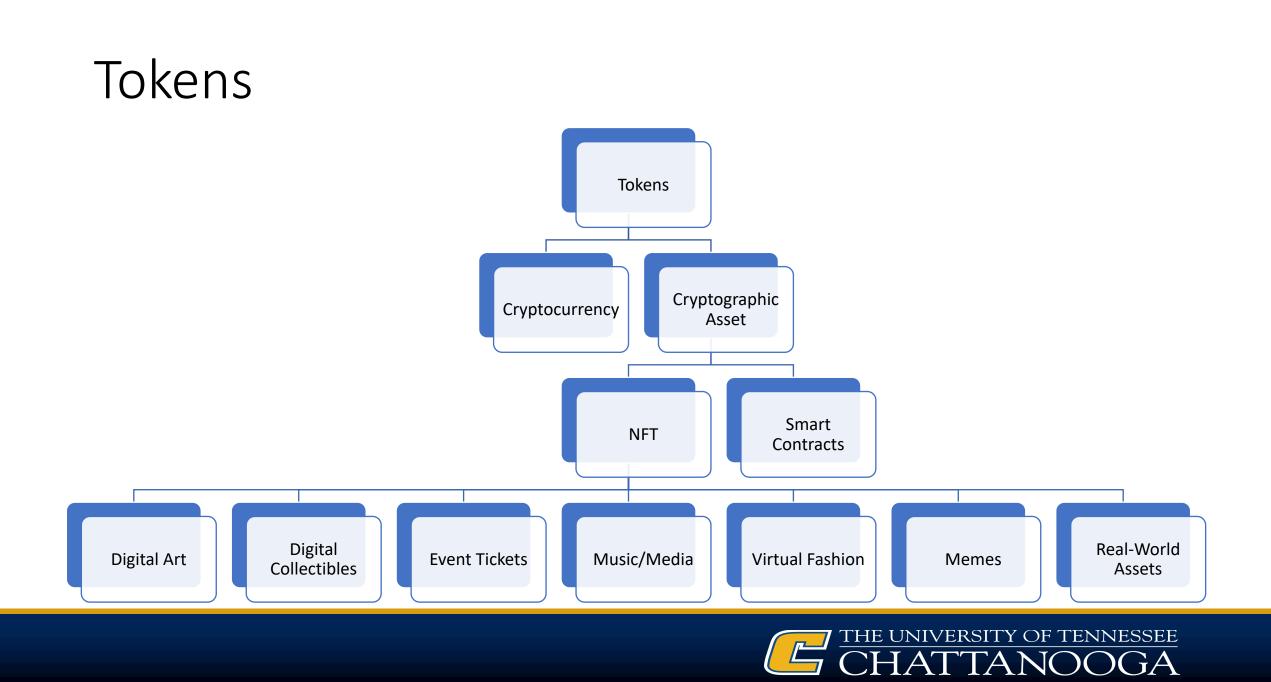
Crypto Currency

Digital/ virtual currency

Secured using cryptography







Cryptocurrency

- A digital currency
- Designed to work as a medium of exchange
- Using a computer network that is not reliant on any central authority
- Secured using cryptography

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Cryptocurrency

Similarities to the Banking Network

- Payment Network
- Ledger
- Validation

The fundamental characteristics of cryptocurrency

- Lack of central authority.
- Anonymity.
- Immutable or Irreversible.
- Scarcity.

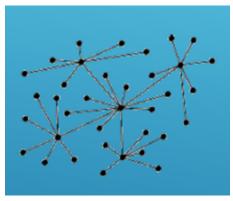




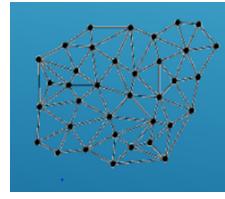


Cryptocurrency Platform: Blockchain

The blockchain is a decentralized distributed ledger that utilizes cryptography and consensus algorithm to ensure the immutability of data.



Decentralized



Distributed Ledger

Private Key Public Key

Cryptography/ Encryption





Step 1a: initiate a payment- Wallets (hot vs cold)







Step 1b: initiate a payment-Private/public key (address)

3J98t1WpEZ73CNmQviecrnyiWrnqRhWNLy

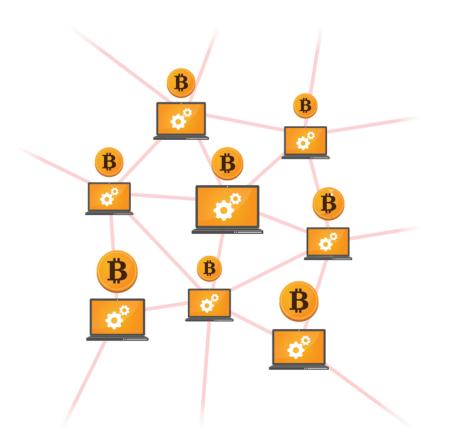


Send BTC				×
Wallet Address	Email Address	5		
Recipient				
Enter a BTC	address			
Withdraw From				
😕 BTC W	allet			633 BTC ≈ \$398.10
Amount				
0.00	USD 🗧	≥ 0.0	0	BTC
Note				
Write an opt	tional messag	le		
Network Fee 🕐			0.0000 B	C (\$0.00)
Total			0.0000 B	C (\$0.00)
	Cont	inue		



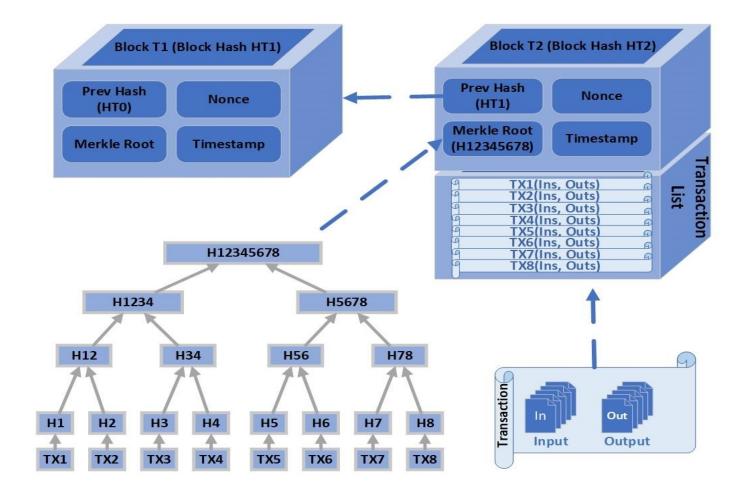
Step 2: submit transaction to the network

- Verify the transaction
- Create a pool of transactions





Step 3: Prepare the candidate block





Step 4: mining

The goal is to find a value for the nonce that result in a block header hash that is less than the target

HOW TO WIN

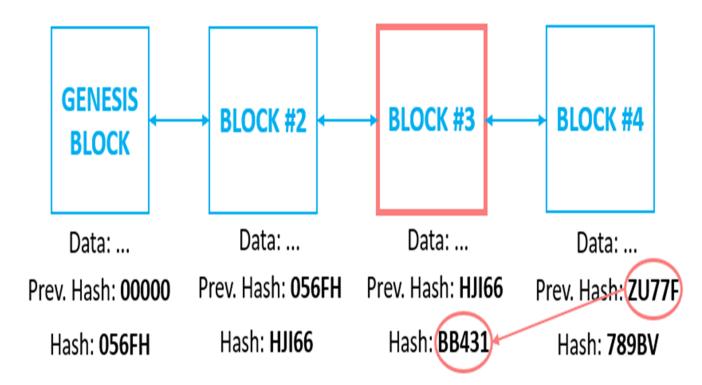
for a given block

Target	Disquilified	Disquilified	Viable
00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000
057FCC70	357FCC70	OD7 FCC70	OCTFCC70
8CF0130D	8CF0130D	8CF0130D	8CF0130D
95E27C58	95E27C58	95E27C58	95E27C58
19203E9F	19203E9F	19203E9F	19203E9F
967AC56E	967AC56E	967AC56E	967AC56E
4 D F 5 9 8 E E	4 D F 5 9 8 E E	4DF598EE	4 D F 5 9 8 E E
	Has only 16 zeros. (the target has 17). So all right answers need to have at least 17 zeros	18th digit it's a "d", which in hexadecimal is 13. This is larger than the 18th digit of the target — "5".	Smaller than the target hash. Get there before any other miner and get paid 12.5 BTC



Step 5: broadcast the wining block to the network

Step 6: validate the block and accept/add to the blockchain











Governance and Management

Choosing a Wallet

- Number of transactions
- Type of cryptocurrencies
- Type of blockchain
- Crypto Exchange
- Geographic locations

Choosing a Crypto Exchange

- Security
- Fees
- Cryptocurrencies offered
- Cryptocurrency storage
- Centralized vs Decentralized



Determining Controls

Wallets

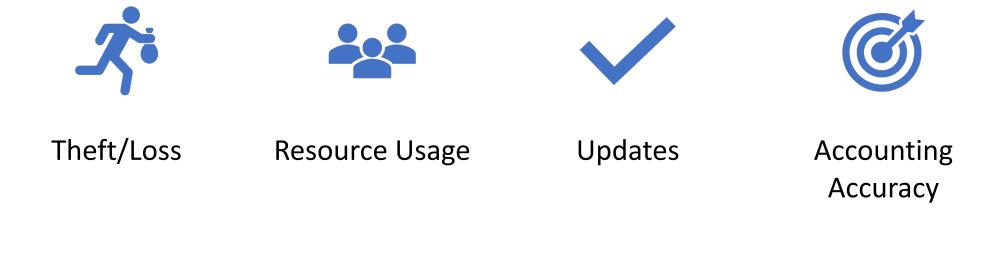
- How many wallets?
- What kind of wallets?
- Who has access?
- How secure are your wallets?

Private Keys

- Who has access?
- How is it stored?
- Succession planning

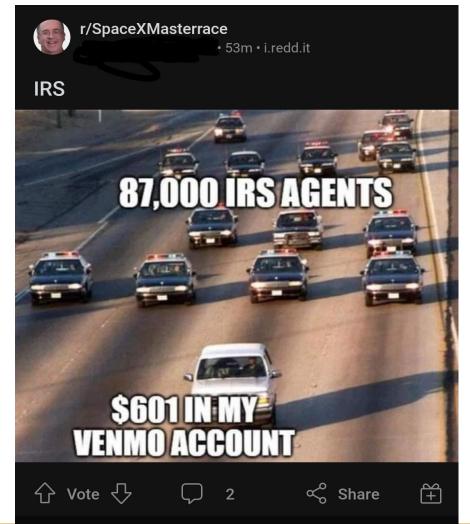








The IRS is coming for your cryptocurrency!





IRS History

- Notice 2014-21
 - Digital Assets treated as property
 - Capital Gain/Loss Treatment
- Revenue Ruling 2019-24
- Notice 2023-27
 - Guidance coming regarding NFTs as collectibles
- Notice 2023-34
 - Clarifies/corrects Notice 2014-21



Where to find Information

- <u>https://www.irs.gov/businesses/small-businesses-self-employed/digital-assets</u>
- <u>https://www.irs.gov/newsroom/understanding-irs-guidance-a-brief-primer</u>

- Davenport and Usrey (2023a)
 - <u>https://doi.org/10.2308/JLTR-2022-003</u>
- Davenport and Usrey (2023b)
 - <u>https://doi.org/10.2308/JETA-2022-033</u>



IRC§1221

- Capital Assets are NOT:
 - Inventory
 - Depreciable business property
 - Accounts Receivable
 - Commodities derivatives held by commodities dealer
- Gains/losses treated differently
- Holding period is important



Current Classification Issues

- Recordkeeping
- Capital Losses
- Variety of Types and Uses – Inequitable Treatment



www.coinmarketcap.com

CHATTANOOGA

Jarrett v. U.S.

- U.S. District Court for the Middle District of Tennessee
- "Staking" income reported as income on 2019 tax return
- Filed amended return for refund July 2020
- IRS did not respond to refund claim, suit filed May 2021
- IRS awarded refund December 2021
- Jarretts rejected the refund
- Dept. of Justice dismissed the case



Individual Reporting to IRS

Form	<u>1040</u>	Department of the Treasury-Internal Revenue Service (99) U.S. Individual Income Tax Return	2020	OMB No. 1545-0074	IRS Use Only

45-0074 IRS Use Only-Do not write or staple in this space.

 Filing Status
 Single
 Married filing jointly
 Married filing separately (MFS)
 Head of household (HOH)
 Qualifying widow(er) (QW)

 Check only one box.
 If you checked the MFS box, enter the name of your spouse. If you checked the HOH or QW box, enter the child's name if the qualifying person is a child but not your dependent
 ►

Your first name and middle initial	Last name			Your social security number		
If joint return, spouse's first name and middle initial	Last name			Spouse's social security number		
Home address (number and street). If you have a P.O. box, see	Presidential Election Campaign Check here if you, or your					
City, town, or post office. If you have a foreign address, also co	ZIP code	spouse if filing jointly, want \$3				
		to go to this fund. Checking a box below will not change				
Foreign country name	Foreign province/state	e/county	Foreign postal code	your tax or refund.		
				You Spouse		
At any time during 2020, did you receive, sell, send, exchange, or otherwise acquire any financial interest in any virtual currency? Yes No						



Individual Reporting to IRS

1040	Department of the Treasury-Internal Revenue Serv U.S. Individual Income Tax		⁽⁹⁹⁾ turn	202	1	1B No. 1545-00	74 IRS Use Only	y—Do not write or staple	in this space.
Filing Status Check only one box.	Single Married filing jointly If you checked the MFS box, enter the n person is a child but not your dependen	ame o		separately (N use. If you c			usehold (HOH) W box, enter th		
Your first name a	and middle initial	Last n	ame					Your social securi	ty number
If joint return, spo	ouse's first name and middle initial	Last n	ame					Spouse's social se	curity number
Home address (r	number and street). If you have a P.O. box, see	instruc	tions.				Apt. no.	Presidential Electi	on Campaign
								Check here if you,	
City, town, or post office. If you have a foreign address, also complete spa			spaces bel	ow.	State	ZI	ZIP code spouse if filing		
								to go to this fund. box below will not	
Foreign country name Foreign province/state/county Foreign postal code				your tax or refund					
								You	Spouse
At any time during 2021, did you receive, sell, exchange, or otherwise dispose of any financial interest in any virtual currency? Yes No									

CHATTANOOGA

Individual Reporting to IRS

1040	Department of the Treasury-Internal Revenue Service U.S. Individual Income Tax		202	2 OMB No. 154	5-0074	IRS Use Only	—Do not write or staple in this space.	
Filing Status Check only one box.	Single Married filing jointly If you checked the MFS box, enter the na person is a child but not your dependent:					nold (HOH) box, enter th	Qualifying surviving spouse (QSS) he child's name if the qualifying	
Your first name a	and middle initial	Last name					Your social security number	
If joint return, spouse's first name and middle initial Last name							Spouse's social security number	
Home address (r	Home address (number and street). If you have a P.O. box, see instructions. Apt. no.						Presidential Election Campaign	
							Check here if you, or your	
City, town, or post office. If you have a foreign address, also complete			low.	State	ZIP co	ode	spouse if filing jointly, want \$3 to go to this fund. Checking a	
							box below will not change	
Foreign country name Foreign province/state/county Foreign postal code								
							You Spouse	
Digital	At any time during 2022, did you: (a) rece	eive (as a rewar	d, award, or j	payment for prop	erty or s	services); or	(b) sell,	
Assets	exchange, gift, or otherwise dispose of a	digital asset (o	r a financial i	nterest in a digita	l asset)	? (See instru	ictions.) 🗌 Yes 🗌 No	



Trading Platform Reporting to IRS

- U.S. v. Coinbase, Inc. (2017)
 - Broad "John Doe" summons
 - Limited to over 14,000 users with transaction of \$20,000 or more
- U.S. v. Payward Ventures Inc. (2023)
 - Parent of Kraken
- Public Law 117-58, sec. 80603 (2021)
 - Reporting requirements for digital assets beginning in 2024



Recent Enforcement Developments

21 Feb. 2022 DOJ named Eun Young Choi, Director of National Cryptocurrency Enforcement Team IRS opened Digital Asset Project Office in November 2022 Inflation Reduction Act, August 16, 2022 – enhancing IRS resources 16 Aug. 2022





Congressional Involvement

- Joint Committee on Taxation
 - <u>Report on Digital Assets June 2023</u>
- Senate Finance Committee
 - Open Comment Letter July 11, 2023



Possible Additional Classifications

- Currency
- Foreign Currency
- Security
- Commodity



Currency

- "a coin or note that circulates as a medium of exchange"
- SEC v. Trendon T. Shavers and Bitcoin Savings and Trust
 - Bitcoin is currency
- Executive Order on Ensuring Responsible Development of Digital Assets
 - Central Bank Digital Currency (CBDC)?



Foreign Currency

- Nine countries currently have developed CBDC
 - The Bahamas, Antigua and Barbuda, St. Kitts and Nevis, Monserrat, Dominica, Saint Lucia, St. Vincent and the Grenadines, Grenada, and Nigeria
- Two countries have adopted Bitcoin as legal tender
 - El Salvador and Central African Republic



Foreign Currency Treatment

- §988
 - ordinary income and loss for foreign currency transactions
- Notice 2014-21 specifically excludes foreign currency treatment for digital currency



Security

- Securities Act of 1933
 - Every offer of securities through interstate commerce must be registered.
 - The term "security" includes any note, stock, bond, and investment contracts.

• SEC Jurisdiction

It is "unlawful for any person, directly or indirectly, . . . to offer to sell, offer to buy or purchase[,] or sell" a "security" unless a registration statement is in effect or has been filed with the SEC as to the offer and sale of such security to the public (Section 5 of the Securities Act).

To prove a violation of Section 5, the SEC must show:

(1) that no registration statement was filed or in effect as to the transaction, and (2) that the

defendant directly or indirectly offered to sell or sold the securities (3) through interstate

commerce.



Security

- SEC v. Howey (1946) Investment Contract
 - 1. Investment of money
 - 2. In a common enterprise Pooling of Assets
 - 3. Expectation of profit Income or Return (e.g., Dividends or payments)
 - 4. Efforts of others
- Howey test used in several SEC cases with cryptocurrency



Commodity

- "an article of trade or commerce that is a tangible good, especially a raw material or agricultural product"
 - IRS defines tautologically in §475
- Commodity Futures Trading Commission (CFTC)
 - CFTC v. My Big Coin Pay, Inc.
 - Jurisdiction over Bitcoin futures
 - IRS has relied previously on CFTC classification



Security or Commodity

- SEC v. Telegram Grp. (2020)
 - Grams Token functions as any commodity and "...not likely to be deemed a security..."
 - Efforts to sell Grams to sophisticated investors represent an investment contract under *Howey*.



Security or Commodity

- SEC v. Ripple Labs (7/13/23)
 - XRP Token Not a Security
 - Sale of XRP an Investment Contract?
 - Institutional Sales? Yes
 - Programmatic Sales (General Public)? No
 - Other Distributions (Compensation)? No

"By judging that XRP is not a security we're starting to get clarity on what constitutes a security and what constitutes a commodity —" Chris Martin, head of research at Amberdata, to CNBC (7/13/23)



Security/Commodity Treatment

- §1221 similar to property
- §1091 Wash Sales
 - Losses disallowed if identical securities acquired 30 before or 30 days after loss transaction
- §475 Mark-to-Market
 - Traders or Dealers of securities or commodities
 - Year-end adjustment is ordinary income/loss



NFTs

- Purchase of Services or Products
- Digital Art or Collectible
 - Notice 2023-27
 - Collectibles -§408(m)



Summary/Conclusion

- IRS and Congress are acting
- Report appropriately on tax return



Questions?

Thank you!

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