CRACKING THE CODE

THE OUTLOOK FOR DIGITAL SECURITIES

FEBRUARY 2022

QUINLAN &ASSOCIATES



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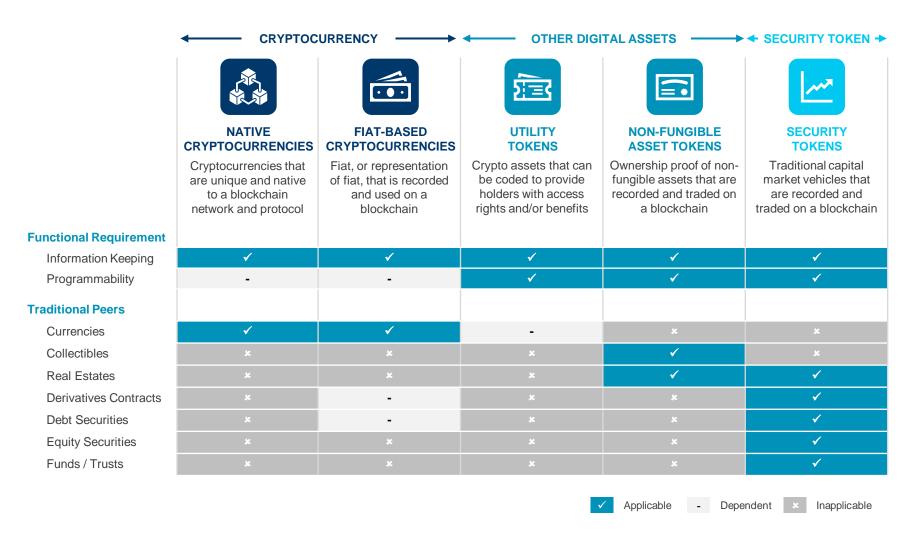


SECTION 1 THE DIGITAL ASSETS UNIVERSE



THE DIGITAL ASSETS UNIVERSE

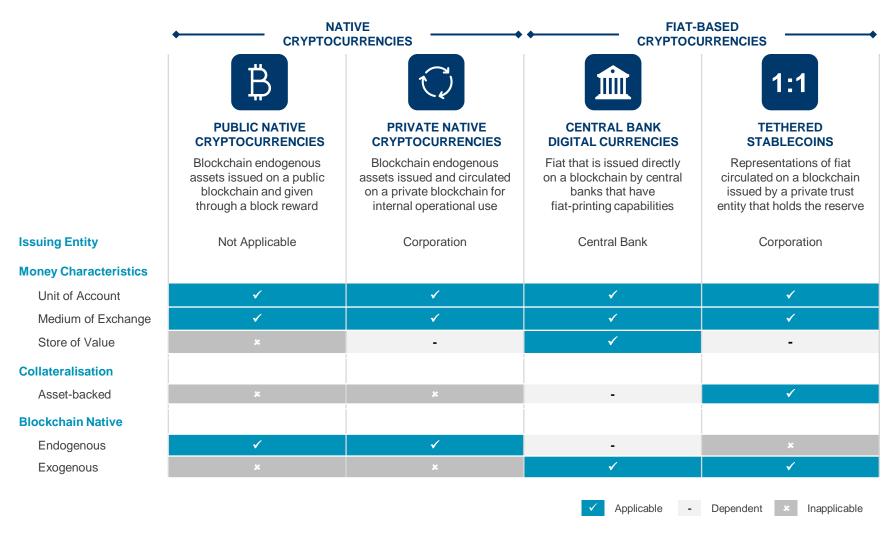
While considered by many to be extremely complex, the entire digital assets universe, as it stands today, can be broadly broken down into five key categories





CRYPTOCURRENCIES

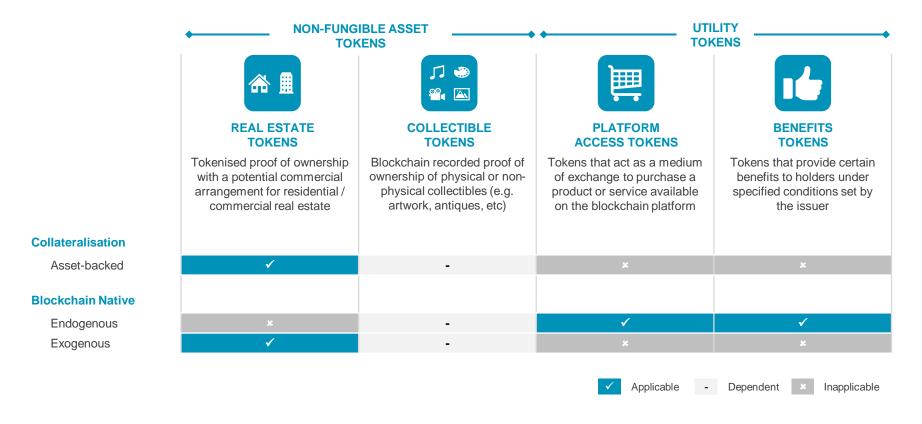
The are two overarching categories of cryptocurrencies: (1) native; and (2) fiat-based, differentiated based on whether they are collateralised by fiat currency or not





OTHER DIGITAL ASSETS (1/3) - OVERVIEW

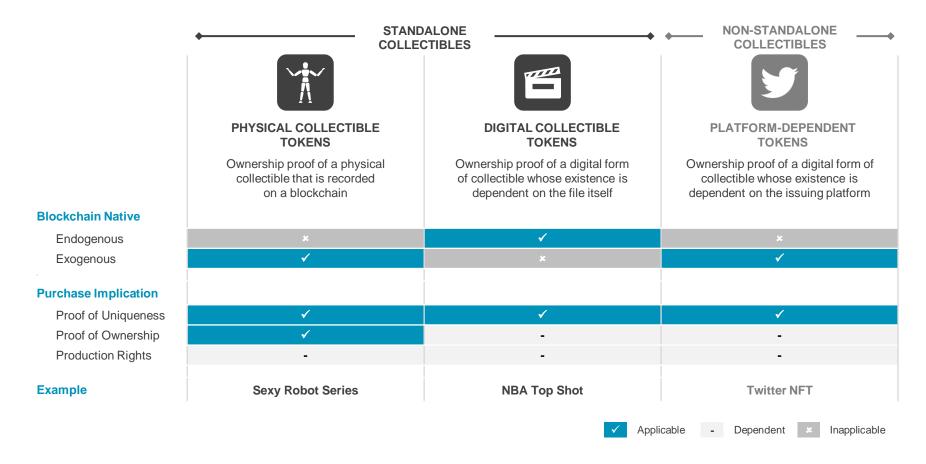
There are certain other digital assets that do not fall under the category of cryptocurrency or security token, namely: (1) non-fungible asset tokens and (2) utility tokens





OTHER DIGITAL ASSETS (2/3) - NFT

Despite the widespread use of the term 'NFT', it is somewhat misleading, as the non-fungible characteristic is applicable at the asset-level, but not necessarily the token-level





OTHER DIGITAL ASSETS (3/3) - UTILITY TOKEN

Huobi Token is an example of both a platform access as well as a benefits token, which makes it unique and difficult to draw a parallel comparison with traditional peers



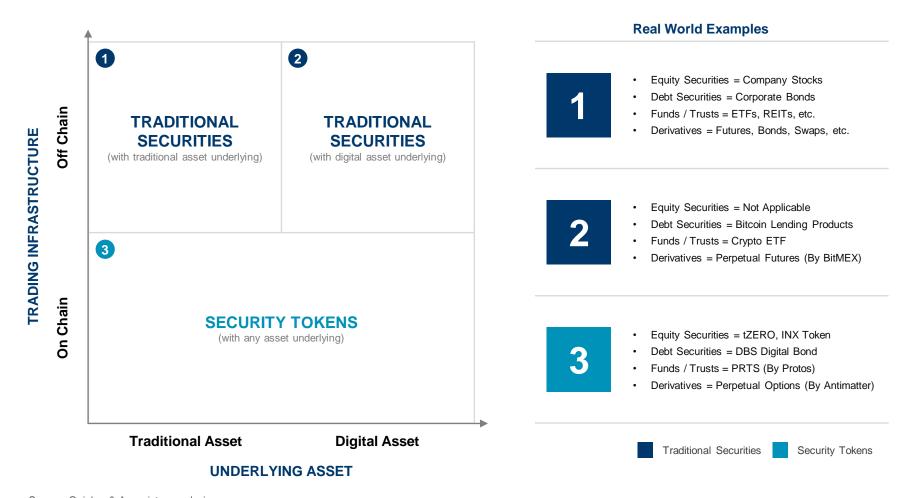
User Classification (Level)	Trade Volume (30-day Average)	Huobi Token (Holding)	Maker Fee (Tiered Pricing)	Taker Fee (Tiered Pricing)
Basic Level 1 – Base Case	-	-	0.2000%	0.2000%
Pro Level 1	≥ 1,000 BTC	≥ 2,000 HT	0.0362%	0.0462%
Pro Level 2	≥ 1,500 BTC	≥ 2,000 HT	0.0294%	0.0420%
Pro Level 3	≥ 5,000 BTC	≥ 2,000 HT	0.0294%	0.0378%
Pro Level 4	≥ 10,000 BTC	≥ 2,000 HT	0.0252%	0.0336%
Pro Level 5	≥ 15,000 BTC	≥ 2,000 HT	0.0224%	0.0308%
Pro Level 6	≥ 20,000 BTC	≥ 2,000 HT	0.0210%	0.0294%
Pro Level 7	≥ 40,000 BTC	≥ 2,000 HT	0.0168%	0.0252%
Pro Level 8	≥ 80,000 BTC	≥ 2,000 HT	0.0126%	0.0210%
Pro Level 9	≥ 150,000 BTC	≥ 2,000 HT	0.0097%	0.0193%

User Classification Benefits Condition Benefits Result



SECURITY TOKENS (1/3) – DEFINITION

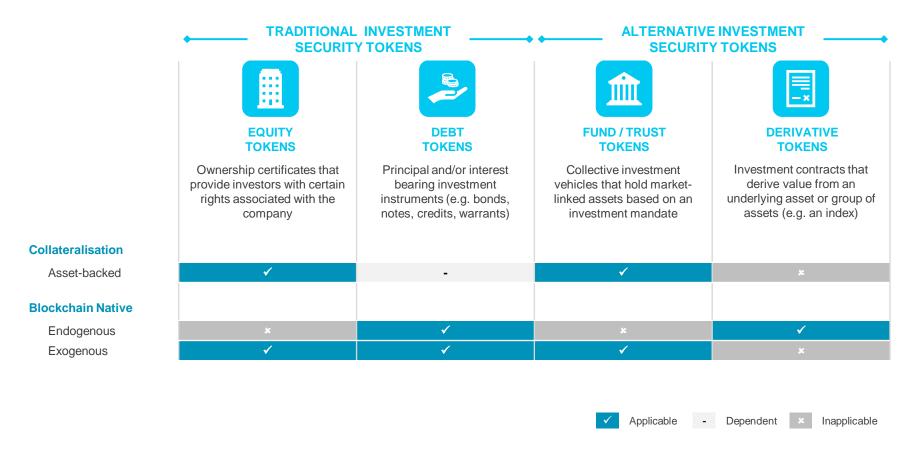
A security token is simply a tokenised version of a financial security, i.e., a traditional capital markets security that is recorded and traded on a blockchain





SECURITY TOKENS (2/3) – CATEGORIES

There are four broad categories of security tokens: (1) equity tokens; (2) debt tokens; (3) fund / trust tokens; and (4) derivatives tokens





SECURITY TOKENS (3/3) – CASE STUDY

The TZROP security token is an equity token that was publicly offered in August 2019 and pays 10% of the issuer's adjusted gross revenue to token holders on a quarterly basis

TZROP

Description



tZERO is a distributed ledger platform launched by the internet retail company Overstock, that has been designated as an alternative trading system ("ATS") and is regulated by the Securities and Exchange Commission ("SEC") and Financial Industry Regulatory Authority ("FINRA").

1

PRIVATE PLACEMENT

TZROP preferred equity security tokens were issued in a private placement in August 2018

2

ACCREDITED INVESTORS

The security tokens were made available to accredited investors starting from January 2019

3

RETAIL (NON-ACCREDITED) INVESTORS

In August 2019, the security tokens were made available to be resold to non-accredited investors as well

Token Benefits

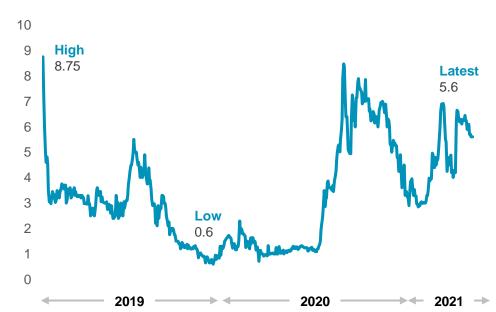


Revenue Sharing

Quarterly dividend worth 10% of adjusted gross revenue

TZROP Price

Jan 2019 – Apr 2021, USD





Security Type

Revenue Share Token



Token Protocol ERC-20



Issuance Platform



Soft Cap USD 50 million



PURCHASE IMPLICATIONS ACROSS DIGITAL ASSETS

There are two overarching factors that must be considered when investing in digital assets: (1) financial (i.e. return-related expectations) and (2) legal (i.e. investor rights, etc.)

	FINANCIAL IMPLICATIONS			LEGAL IMPLICATIONS			
	Financial Return	Direct Asset Exposure	Tax Obligations	Statutory Rights	Investor Protection	Issuer Obligations	Legal Tender
Cryptocurrency							
Public Native Cryptocurrencies	✓	✓	-	×	-	se	×
Private Native Cryptocurrencies	-	✓	-		-	-	
Tethered Stablecoins	-)c	-	-	-	-	
Central Bank Digital Currencies	-	✓	✓	✓	✓	✓	✓
Other Digital Assets							
Real Estate Tokens	✓	✓	✓	✓	✓	✓	×
Collectible Tokens	✓	✓	-	-	-	-	
Platform Access Tokens	✓	✓	-	×	x	3c	×
Benefits Tokens	✓	✓	-	×	×	×	×
Security Token							
Equity Tokens	✓	✓	✓	✓	✓	✓	
Debt Tokens	✓	-	✓	✓	✓	✓	×
Fund / Trust Tokens	✓	×	✓	✓	✓	✓	
Derivatives Tokens	✓	×	✓	✓	✓	✓	

Key Gap

Source: Quinlan & Associates analysis

Inapplicable

Applicable - Dependent *



SECTION 2 REGULATORY DEVELOPMENT



REGULATORY ARBITRAGE WINDOW

We expect the regulatory arbitrage window to continue to narrow in coming years, albeit to varying degrees, depending on the jurisdiction and specific digital asset in question

Type of Digital Assets	Regulatory Scrutiny	Room for Arbitrage	Description	
Native Cryptocurrency				
Public Native Cryptos	•	✓	Public cryptocurrency will be closely regulated as an alternative investment vehicle	
Private Native Cryptos	•	✓	Private cryptocurrency is likely to be considered as a security if offered to the public	
Fiat-based Cryptocurrency				
CBDCs	•	×	Relevant authorities will closely monitor the circulation and use case of CBDCs	
Tethered Stablecoins	•	✓	Unauthorised stablecoins will likely be clamped down, given their challenge to fiat	
Non-fungible Asset Token				
Real Estate Tokens	•	✓	Each jurisdiction will define the legal implications of information stored and traded on	
Collectible Tokens	•	✓	smart contracts, which will be closely monitor to prevent any fraudulent activities	
Utility Token				
Access Tokens	•	✓	 Token with security-like benefits (e.g. voting, profit sharing, investment returns, etc.) 	
Benefits Tokens	•	✓	will likely be regulated under national securities laws	
Security Token				
Equity Tokens	•	×		
Debt Tokens	•	×	Security token will be treated and regulated on the same basis as traditional	
Fund / Trust Tokens	•	30	securities under each jurisdiction's existing securities laws	
Derivative Tokens	•	sc		
			● Current Level	

Source: Quinlan & Associates estimates



NOTABLE CONTROVERSIES (1/2) – PRIVATE NATIVE CRYPTO

There is an ongoing lawsuit (as of 5 October 2021) between Ripple Labs and the SEC regarding whether XRP should be considered as a security, based on the Howey Test

Blockchain Technology	B bitcoin	ethereum ethereum	J.P.Morgan	⊰ ripple
Public Blockchain	✓	✓	×	×
Private Blockchain	×	×	✓	✓
Howey Test (US SEC) Investment Vehicle	√	√	×	√
Expectation of Profit	✓	✓		✓
Common Enterprise	×	×	✓	✓
Effort of Others			×	✓
Test Result (Is it a security?)	NO	NO	NO	YES
			Highlight	Applicable

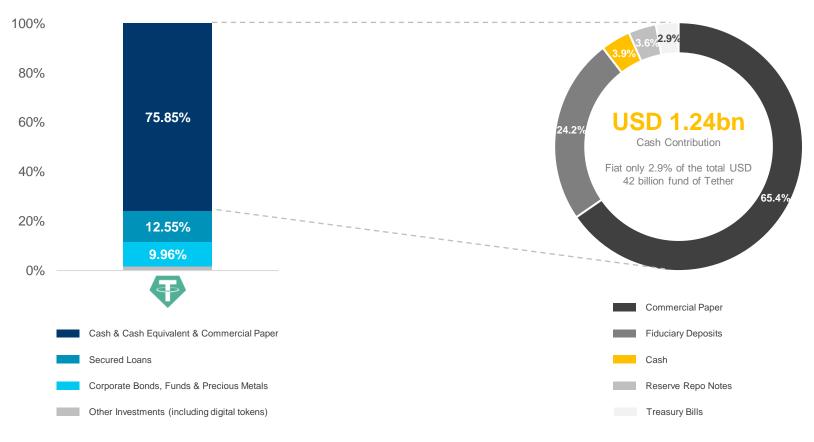


NOTABLE CONTROVERSIES (2/2) – TETHERED STABLECOIN

Although many perceive USDT to be 1:1 tethered to USD fiat, according to Tether's first reserve breakdown report cash accounted for only 2.9% of total reserves

Tether Reserve Breakdown





Note: Fiat refers to cash



NOTABLE DEVELOPMENTS (1/3) – CRYPTOCURRENCIES

In Hong Kong, the Securities and Futures Commission ("SFC") has highlighted its concerns with respect to investing in public native cryptocurrencies



ENHANCE AML/CTF

The non-traceability and anonymity of transactions may aid money laundering and terrorist financing



REDUCE MARKET ABUSE

With no proper regulatory oversight, there have been many cases of traditionally unacceptable market practices



PROTECT INVESTORS

There is no legal framework to protect Hong Kong retail investors involved in virtual asset trading

Theme	Description			
Licensing	Platforms are now required to apply and acquire HKSFC Type 1 and Type 7 licences			
Regulatory Sandbox	Licensed platforms will be placed under the SFC's regulatory sandbox			
Supervision	All licensed virtual asset trading platforms will now fall under the SFC's supervision			
Regulatory Reporting	A monthly business report must be submitted to the SFC (second week of each month)			
Audit Requirements	Exchanges must hire an independent firm to submit an annual review report to the SFC			
Due Diligence	Stringent due diligence of assets must be conducted before their listing and trading			
Market Making	Market-making activities for liquidity should be conducted by an independent third-party			
Capital Requirements	Exchanges must possess liquid assets worth at least 12 months of operating expenses			
Cold Wallet	 At least 98% of assets under custody must be kept in cold wallets and partially insured 			
Hot Wallet	The maximum 2% of assets that can be kept in hot wallets must be fully insured			
Investors	Only professional investors ("Pls") (Net worth > HKD 8m) are allowed to trade virtual assets			
Trading Limit	Each and every client account must be assigned a trading limit and position limit			
Trade Settlement	Institutional, professional clients can be allowed to make intraday settlements at best			
OPT-IN REGIME 2019	MANDATORY Virtual Asset Exchange Investors Critical Changes 2020			



NOTABLE DEVELOPMENTS (2/3) – OVERALL DIGITAL ASSETS

The US SEC recently announced the creation of a comprehensive legal / regulatory framework across different types of digital assets

KEY TAKEAWAY	DETAILS
SEC / CFTC will intervene	 Create statutory definitions for digital assets and digital asset securities and provide the SEC with authority over digital asset securities and the CFTC with authority over digital assets;
SEC / CFTC will create rules together	 Provide legal certainty as to the regulatory status for the top 90% of the digital asset market (by market capitalization and trading volume) through a joint SEC / CFTC rulemaking;
Digital assets must be registered	 Require digital asset transactions that are not recorded on the publicly distributed ledger to be reported to a registered Digital Asset Trade Repository within 24 hours to minimize the potential for fraud and promote transparency;
Digital assets are subject to BSA	 Explicitly add digital assets and digital asset securities to the statutory definition of "monetary instruments," under the BSA, formalizing the regulatory requirements for digital assets and digital asset securities to comply with anti-money laundering, recordkeeping, and reporting requirements;
CBDC and stablecoin are not the same	 Provide the Federal Reserve with explicit authority to issue a digital version of the U.S. Dollar, clarify that digital assets, digital asset securities and fiat based stablecoins are not U.S. legal tender, and provide the U.S. Treasury Secretary with authority to permit or prohibit US Dollar and other fiat-based stablecoins;
Digital assets are new type of assets	 Direct the FDIC, NCUA and SIPC to issue consumer advisories on "non coverage" of digital assets or digital asset securities to ensure that consumers are aware that they are not insured or protected in the same way as bank deposits or securities; and,
Proper licensing regime is coming soon	 Require legislative recommendations from FinCEN, SEC and CFTC to provide clarity on dividing lines between who must register as a money services business versus who must register as a securities or commodities exchange.

Note: The Securities and Exchange Commission ("SEC"); Commodity Futures Trading Commission ("CFTC"); Bank Secrecy Act ("BSA"); Central Bank Digital Currency ("CBDC") Federal Deposit Insurance Corporation ("FDIC"); National Credit Union Administration ("NCUA"); Securities Investor Protection Corporation ("SIPC"); Financial Crimes Enforcement Network ("FinCEN")

Source: Digital Asset Market Structure and Investor Protection Act, Quinlan & Associates analysis



NOTABLE DEVELOPMENTS (3/3) – SECURITY TOKENS

When security token offering ("STO") was first introduced, regulators across the world quickly clarified that security tokens fell under the definition of regulated securities

SFC, Hong Kong

Any company who markets and distributes security tokens is required to be licensed for Type 1 regulated activity under the Securities & Futures Ordinance

MAS, Singapore

The issuance of digital tokens in Singapore will be regulated by the MAS if they fall within the definition of regulated securities

SEC, USA

A platform that offers trading in digital asset securities, or operates as an exchange, must register with the SEC

BaFIN, Germany

Blockchain assets issued by German firms fall under the same regulatory provisions as the stock market regulations

Securities Commission, Malaysia

Requires an issuer of digital tokens to be a locally-incorporated company with business operations in Malaysia

SEC, Thailand

The SEC requires digital asset businesses to obtain a licence from the Minister of Finance, with approval from the SEC

FSA, Japan

Securities tokens, whether contributed in fiat currencies or cryptocurrencies, are subject to the regulations under the FIEA





SECTION 3 SECURITY TOKEN



LONG-TERM OUTLOOK

With regulatory scrutiny of digital assets on the rise and growing institutional interest, we expect security tokens to be a key winner in the digital assets space

	Digital	Asset	Description	Regulatory Outlook	Adoption Outlook	Overall Outlook
	₿	Public Native Cryptocurrencies	Cryptocurrencies like BTC, etc. will remain attractive as alternative investment avenues	>	1	BULLISH
CRYPTO	$\boxed{\bigcirc}$	Private Native Cryptocurrencies	Use cases will likely be limited to enhancing internal business operations	-	-	NEUTRAL
CRYPTO	1:1	Tethered Stablecoins	Stablecoins will likely fall out of favour and be replaced by CBDCs	•	•	BEARISH
	盦	Central Bank Digital Currencies	We foresee growing adoption of CBDCs by central banks to support digital payments	1	1	BULLISH
<u>ا</u>		Benefits Tokens	Unregulated tokens with security-like benefits (e.g. dividends) will see a crackdown	•	•	BEARISH
OTHER DIGITAL ASSETS		Platform Access Tokens	Value proposition of pure platform access tokens will decline with adoption of CBDCs	-	•	BEARISH
HER I		Collectible Tokens	Demand for digital collectibles (e.g. digital art, etc.) is expected to surge significantly	-	1	BULLISH
6	☎ 🏻	Real Estate Tokens	With limited use cases, real estate tokens are unlikely to be widely adopted	-	-	NEUTRAL
		Equity Tokens	Large-scale institutional adoption is expected after successful market testing	=	1	BULLISH
IRITY		Debt Tokens	Large-scale institutional adoption is expected after successful market testing	-	1	BULLISH
SECURITY TOKEN	m	Fund / Trust Tokens	Large-scale institutional adoption is expected after successful market testing	-	1	BULLISH
		Derivatives Tokens	Large-scale institutional adoption is expected after successful market testing	>	•	BULLISH
			Security token is expected to emerge as a key win	ner Favourable	$\uparrow \Rightarrow \downarrow$	Unfavourable

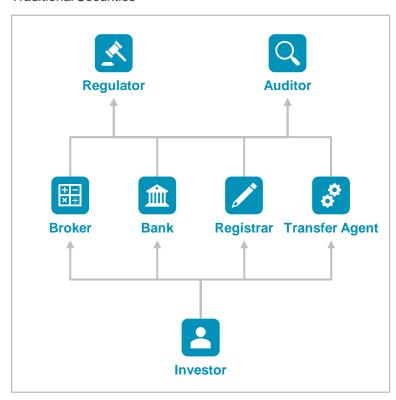


TRANSPARENCY & SECURITY - STREAMLINED REPORTING PROCESS

A trustworthy ledger can help minimise time and resources spent on data reconciliation, making the regulatory reporting process much more efficient for all market participants

Compliance Process

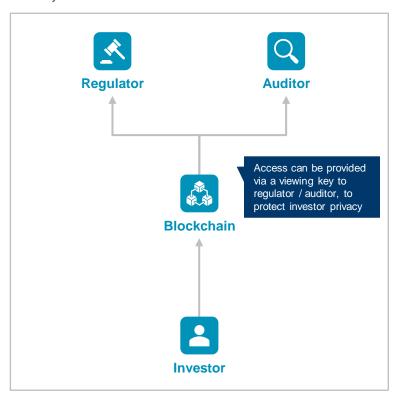
Traditional Securities



Investors may invest in shares via different intermediaries with fragmented records; information from multiple third-parties needs to be collected, validated, and reconciled for compliance and reporting purposes

Compliance Process

Security Tokens



All holdings are recorded on the blockchain in an immutable manner, creating a single source of truth which can be accessed by a regulator / auditor via a viewing key (for privacy and confidentiality purposes)

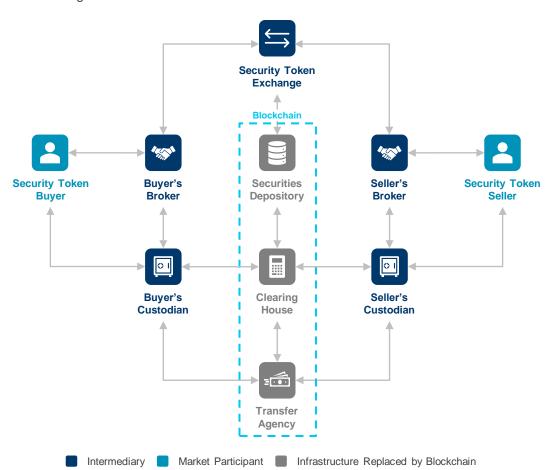


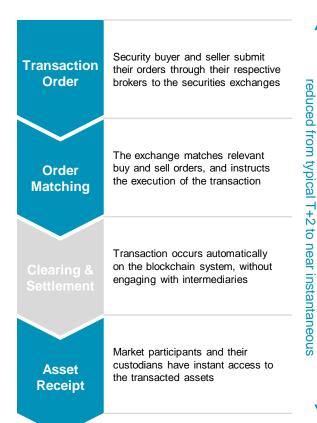
PROGRAMMABILITY - SECURITY TOKEN TRADING LIFECYCLE

Blockchain technology has the capacity to replace infrastructure and intermediaries, speeding up the clearing and settlement processes, from > T+1 to near instant

Speed

Clearing & Settlement





Automated Step

With disintermediation, the duration can be



DIVISIBILITY - FROM A SECURITIES PERSPECTIVE

Security tokens can be fractionalised to as small as 0.000000000000000001 shares without having to go through sophisticated and laborious processes, such as a stock split



B ERKSHIRE	
HATHAWAY II	NC.

Denomination (Breakdown Unit)	Unit (in Wei)	ETH Price (in USD)	BRK.A Share Price (in USD)
Wei	1	0.0000000000000002	0.0000000000049
Kwei	1,000	0.00000000000231	0.00000000492
Mwei	1,000,000	0.000000002301	0.0000049197
Gwei	1,000,000,000	0.0000023079	0.000491962
Twei	1,000,000,000,000	0.0023079	0.4919621
Pwei	1,000,000,000,000,000	2.3	492.0
Ether	1,000,000,000,000,000,000	2,307.9	491,962.1



DEMATERIALISATION OF PAPER-BASED SECURITIES

With many financial markets promoting dematerialistion, we see blockchain-based tokenisation as an ideal option for implementing such efforts in coming years





KEY DIFFERENCES IN SECURITIES LIFECYCLE

With their potential to enhance many processes in the traditional securities lifecycle, security tokens are expected to experience a surge in market interest and adoption



TRADITIONAL SECURITIES

A new contract needs to be drafted with the legal and compliance team whenever counterparties want to conduct a customised trade
Depending on the transaction condition

Depending on the transaction condition, additional resources may be deployed to monitor movements of the underlying

If condition is met, counterparties have to initiate a transaction, which typically involves a third-party intermediary / clearinghouse

Asset / security transactions are cleared and settled via a range of financial intermediaries, which takes time and may be costly



SECURITY TOKENS

Contract Drafting

Condition Monitoring

Security Transaction

Clearing & Settlement

Smart contract generators provide audited programs, and compliant contracts can be codified in a relatively intuitive manner

The smart contract automatically tracks underlying movement and can be extended to the movements of a basket of underlyings

Once condition is met, the smart contract automatically executes the transaction as programmed, without further instructions

Transactions are executed through the blockchain system without engaging with any third-party intermediaries / service providers



WALLET OPPORTUNITY

Expecting the rise of a well-regulated global security token regime, we estimate USD 4.1 trillion in issuance and USD 162.7 trillion in listed security token trading volume by 2030

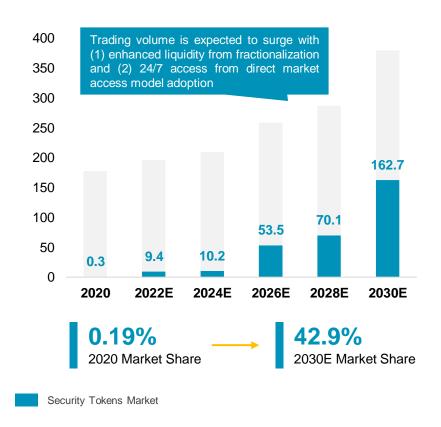
Issuance Volume Transition

Exchange Traded Products, USD trillion, 2020-30E



Trading Volume Transition

Exchange Traded Products, USD trillion, 2020-30E



Traditional Securities Market

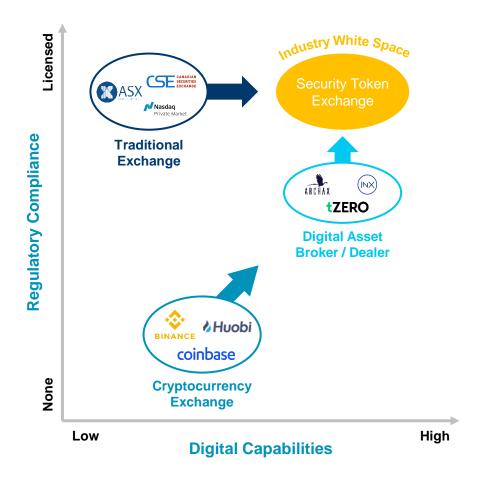


SECTION 4 SECURITY TOKEN EXCHANGES



THE RACE TO BECOME A SECURITY TOKEN EXCHANGE

Taking note of the benefits of blockchain technology and the opportunity on offer, various exchanges have begun a transformation towards becoming security token exchanges



1

TRADITIONAL EXCHANGE

Securities exchanges, especially in developed markets, are digitally transforming towards blockchain-based back end operations

2

CRYPTOCURRENCY EXCHANGE

Cryptocurrency exchanges are acquiring relevant regulatory licenses to transition from crypto specialists to digital asset generalists

3

DIGITAL ASSET BROKER / DEALER

Players with broker-dealer or ATS / MTS licenses have been set up to support the issuance and trading venues of security tokens



TRADITIONAL EXCHANGES

We have observed three traditional exchanges, in particular, who are rapidly adopting blockchain: (1) Nasdaq; (2) CSE¹; and (3) ASX², to enter the security token space

Description	Private Market Used its Nasdaq Linq blockchain ledger technology to successfully complete and record a private securities transaction	CANADIAN SECURITIES EXCHANGE Launched an innovative securities clearing and settlement platform, promoting the use of Security Token Offerings	Released its new equities clearing and settlement system that will replace the legacy Clearing House Electronic Sub-register System
Founded Year	• 1971 (Nasdaq)	• 2003	• 1987
Headquarters	United States	Canada	Australia
Blockchain Adoption	• 30 Dec 2015	• 13 Feb 2018	• 7 May 2019 – 2023E
Digital Asset Offerings			
Digital Asset Securities	✓	✓	✓
Digital Asset Currencies	×	×	×
Other Digital Assets	×	×	×
		✓ Of	fered - Dependent * Not Offered



INCUMBENT CRYPTOCURRENCY EXCHANGES

Several notable cryptocurrency exchanges appear to be gradually shifting from a cryptoonly proposition to becoming regulated blockchain-based security token exchanges

	⇔ BINANCE	Huobi	coinbase
Description	Binance is an online centralized exchange, and is the largest cryptocurrency exchange platform by volume	Huobi is the world's leading Bitcoin and Ethereum trading platform offering trading services for over 100 digital assets	Coinbase is a fully licensed cryptocurrency exchange based in the US for buying, storing and selling cryptocurrency
Founded Year	• 2017	• 2013	• 2012
Headquarters	Cayman Islands	Seychelles	United States
Digital Asset Offerings			
Digital Asset Securities	×	×	×
Digital Asset Currencies	✓	✓	✓
Other Digital Assets	✓	✓	✓
		✓ Of	fered - Dependent * Not Offered



DIGITAL ASSET BROKER-DEALERS

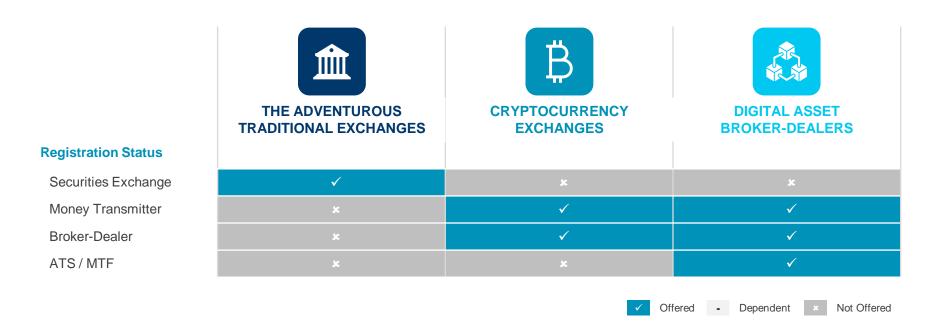
There is also a slew of new entrants that have tried to set-up as 'security token exchanges' from scratch, to overcome the limitations faced by their aforementioned peers

Description	The first ever security token exchange regulated by the Financial Conduct Authority ("FCA") in London	An alternative trading system regulated by the SEC and FINRA that offers digital asset trading platform	Building a cloud-based system for trading digital asset securities and cryptocurrencies that is regulated by the US SEC
Founded Year	• 2018	• 2014	• 2017
Headquarters	United Kingdom	United States	Gibraltar
Digital Asset Offerings			
Digital Asset Securities	-	-	-
Digital Asset Currencies	✓	✓	✓
Other Digital Assets	×	×	×
		✓ Of	fered - Dependent * Not Offered



LICENSING STATUS

However, none of these exchanges has successfully tapped into the industry white space and become a true security token exchange at present





SECTION 5 POTENTIAL WINNERS AND LOSERS



ISSUERS AND INVESTORS (1/3) – IMPLICATIONS

The adoption of security tokens will help financial markets become: (1) cheaper; (2) faster; (3) more liquid; and (4) more efficient for both issuers and investors



ACCELERATED ISSUANCE

By removing unnecessary intermediaries and automating admin. processes, friction costs and time to issuance are minimised



Traditionally restricted and highly illiquid products can be accessed and traded by retail investors





WIDER INVESTOR BASE

Through fractionalisation of digital assets issued on blockchain, issuers could get access and cover long-tail investors

INSTANT SETTLEMENT

Blockchain remove hidden admin fee associated with settlement, and reduce a traditional T+2 settlement time to T+0





OPTIMISED COMPLIANCE / REPORTING

With the smart contract, administrative operations such as accounting, tax, and compliance reporting can be simplified

24/7 ACCESS

As no human labour is required to support trading activities, investors can trade security token 24/7 from any location



For Issuers

For Investors



ISSUERS AND INVESTORS (2/3) – TRADING HOURS

The adoption of a direct market access model by security token exchanges could eliminate the restrictions posed by opening and closing times of traditional exchanges



Exchange Name	Trading Days (Per Year)	Trading Hours (Per Day)
NYSE	253 days	6.5 hours
Nasdaq	253 days	6.5 hours
London Stock Exchange	255 days	8.5 hours
SGX=	252 days	7.0 hours
HKEX 香港交易所	248 days	5.5 hours
M ASX	255 days	6.0 hours
CANADIAN SECURITIES EXCHANGE The Exchange For Entrepreneurs	244 days	6.5 hours



Exchange Name	Trading Days (Per Year)	Trading Hours (Per Day)
ARCHAX	365 days	24 hours
(INX)	365 days	24 hours
t ZERO	365 days	24 hours
Blocktrade	365 days	24 hours
openfinance	365 days	24 hours
STOGLOBALX	365 days	24 hours
EXCHANGE	365 days	24 hours





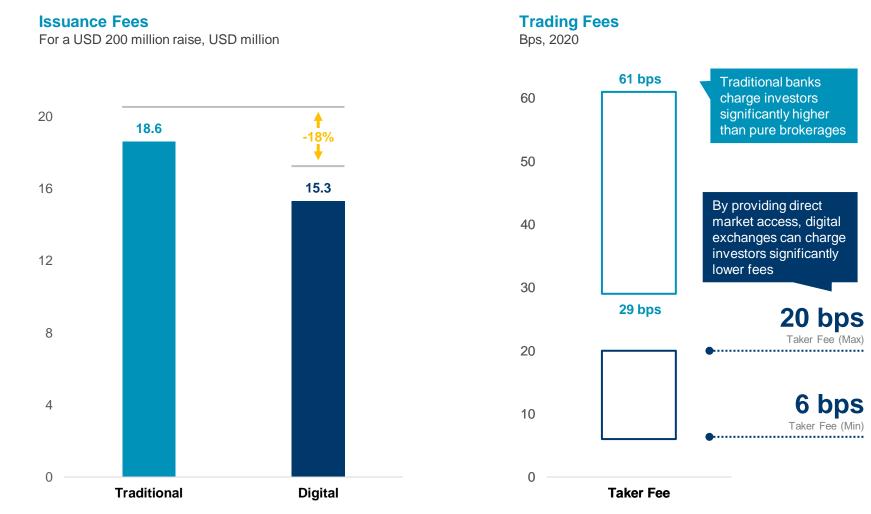


5.24X
Annualised Difference Multiple



ISSUERS AND INVESTORS (3/3) - COST

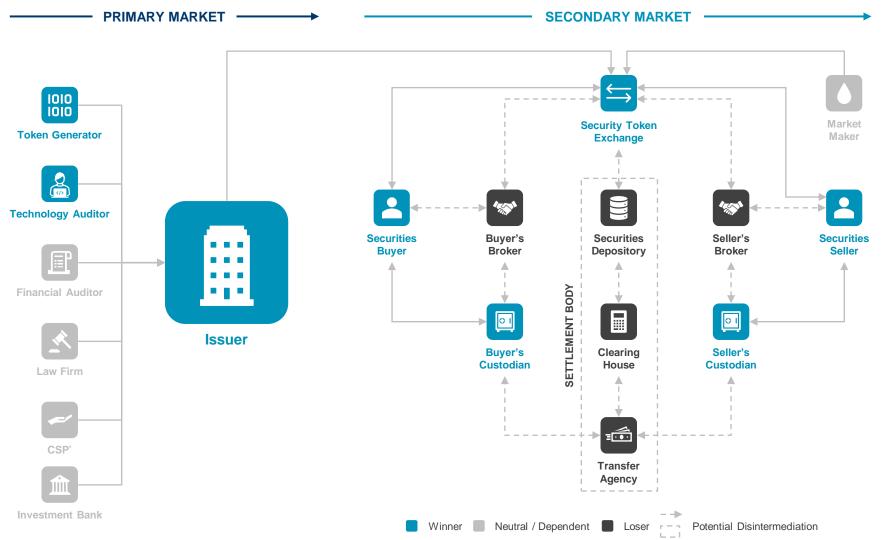
From a financial perspective, we should also see a reduction in the overall costs borne by both issuers and investors for issuance and trading respectively





MARKET PARTICIPANTS (1/2) - DIGITAL ASSETS MARKET LANDSCAPE

With a sizeable shift expected to take place, the role performed by various players could evolve as well, especially given the possible disintermediation potential





MARKET PARTICIPANTS (2/2) – WINNERS AND LOSERS

Anticipating a shift from the traditional securities ecosystem to a security token ecosystem, we foresee a number of potential winners and losers

Security Token Market Player		Revenue Impact	Level of Impact	Description	Key Consideration
1010	Token Generators	•		Expected to benefit with a growth in token issuance volumes	Potential tie-up with security token exchanges
	Technology Auditors	•		Growth of security token exchanges should help technology auditors	Brand building towards being recognised for strong audit quality
	Financial Auditors	-		Not expected to experience significant impact	Develop relevant expertise in security token financial auditing
	Corporate Service Providers	-		Not expected to experience significant impact	Develop relevant expertise in security token issuance needs
K	Law Firms	•		Not expected to experience significant impact	Develop relevant expertise in security token issuance needs
血	Sponsors / Underwriters	•		Not expected to experience significant impact	Develop relevant expertise in security token issuance needs
\subseteq	Security Token Exchanges	•		May emerge as the big winners in the impending shift to security token	Attempt to become early to marke in terms of mainstream reach
	Custodians	•		Revenue growth potential from the growth in digital asset market cap	Develop capabilities to service a broad variety of digital assets
٥	Market Makers	-		May be driven towards niche pockets with low levels of liquidity	Explore various digital asset instruments to build capability
1501	Brokers	•		Retail mass market may cut out brokers to capitalise on lower fees	Focus on institutions and professional investors
	Settlement Bodies	•		Settlement bodies may be disintermediated via blockchain	Try to either carve out an alternativalue proposition or pivot
====	Transfer Agencies	•		Transfer agencies may be disintermediated via blockchain	Try to either carve out an alternativalue proposition or pivot

Source: Quinlan & Associates analysis

Favourable

Unfavourable

38

Low High



SECTION 6 HOW CAN WE HELP?



HOW CAN WE HELP

Our consultants have extensive experience working with digital assets companies across the value chain, supporting them across their strategy and implementation needs

1

2 😂

3



STRATEGY / ROADMAP

- Review industry, product, customer, and regulatory developments to identify key opportunities and gaps in the digital assets ecosystem, including market sizing of specific revenue opportunities
- Conduct detailed competitor analysis, with benchmarking against relevant peers and industry best practices, to identify capability gaps and key white spaces
- Identify appropriate product development opportunities and expansion pathways (i.e. organic growth vs. acquisition), based on financial, strategic, and operational fit

OPERATING MODEL

- Identify required policies, processes, and systems to support the client's growth strategy, including people / organisation, operations / processes, risk / compliance, and IT / infrastructure
- Help prepare the required application documents (including post-approval documentation) to acquire relevant licences (e.g. ATS, broker-dealer, etc.)
- Provide ongoing execution support around the design and implementation of compliance processes, regulatory engagement, and operations

CORPORATE TRAINING

- Provide world-class corporate training programmes focused on developing employees' soft and technical skills through tailored learning and development solutions:
 - ✓ Leadership & Management
 - ✓ Sales & Marketing
 - ✓ Communication And Engagement
 - ✓ Creativity & Innovation
 - ✓ Cultural Change
 - ✓ Strategic Thinking



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STRATEGY WITH A DIFFERENCE