



## Real-World Assets (RWAs) Tokenization Report - Q2 2024 Recap

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This report highlights developments related to the tokenization and on-chain adoption of Real-World Assets (RWAs).

Our report includes details on centralized industry players and asset class coverage, as well as coverage of select decentralized finance protocols working to integrate RWAs on-chain.

Information is compiled from Digital Asset Research's (DAR's) data sources, public sources, media reports, and press releases, and, while wide-ranging, this report covers only representative initiatives related to the development and tokenization of RWAs in the digital asset space.

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## Introduction

While many cryptocurrencies offer solutions to the challenges encountered by Web3 users, only a few digital assets possess characteristics that connect them to real-world economic activities. Skeptics contend that cryptocurrency use cases are confined to the digital realm, and therefore the value of crypto assets is not sustainable, given that much of daily life revolves around the physical world.

Real-world asset tokenization bridges this gap between the physical and digital worlds. Real-World Assets (RWAs) are assets that exist tangibly offline, such as real estate or equities. Tokenization refers to the process of generating a digital certificate that is impervious to alteration or replication to represent an RWA on a blockchain. These digital certificates are backed by real-world assets as collateral.

Through tokenization, investors can gain access to conventional investment opportunities in a more trustless and efficient manner via blockchain technology. Settlement can be conducted in real time and investors are always able to see where their assets are stored on chain. The spectrum of assets that could be tokenized includes but is not confined to, real estate, private credit, securities, commodities, and fiat currencies. A significant proportion of the world's financial value is ascribed to RWAs, thereby presenting the potential for RWA tokens to access a total addressable market equivalent to the largest financial markets.

In this report, entities working on RWA initiatives are detailed in three groups:

- Centralized organizations that offer tokenization services are detailed in the **CeFi RWA** sections.
- Decentralized Finance (DeFi) protocols that integrate RWAs with on-chain market participants are detailed in the **DeFi RWA** section.
- On-chain U.S. Treasury products, which include products from both CeFi and DeFi platforms, are detailed in the **RWA U.S. Treasury Protocols** section.

## Significant RWA Tokenization News

- BlackRock's BUIDL tokenized treasury fund [surpassed](#) \$500M in value.
- Tether [introduced](#) a new 'synthetic' dollar backed by tokenized gold.
- Ripple and Archax [announced](#) plans to bring hundreds of millions in tokenized RWAs to XRP Ledger.
- Hong Kong [established](#) an industry community to support wholesale CBDC, tokenized money, and tokenized assets.
- The Bank for International Settlements (BIS) [announced](#) that a group of central banks was exploring how tokenization can be used to improve financial systems.
- Mastercard, Standard Chartered, Mox, and Libeara [completed](#) a proof-of-concept pilot on tokenized deposits and carbon credits through the Hong Kong Monetary Authority's (HKMA) regulatory sandbox.
- Deutsche Bank [joined](#) the Monetary Authority of Singapore's (MAS) Project Guardian to test asset tokenization opportunities.
- S&P Global Ratings [joined](#) MAS' Project Guardian initiative.
- Hamilton Lane [tokenized](#) a credit fund as part of MAS' Project Guardian initiative.
- Fidelity International [tokenized](#) shares in a money market fund on JPMorgan's Onyx Digital Assets private blockchain.
- Goldman Sachs said it [planned](#) three tokenization projects by year end.
- Centrifuge [planned](#) to launch institutional RWA lending on the Base blockchain and secured \$15M in funding.
- Ondo Finance [integrated](#) tokenized treasuries into the Cosmos ecosystem via the Noble blockchain.
- Securitize [raised](#) \$47 million in a strategic funding round led by BlackRock.
- Swarm Markets began [offering](#) tokenized gold via NFTs.
- Taurus, a cryptocurrency infrastructure platform, [enhanced](#) Zand Bank's crypto and tokenization services in the United Arab Emirates (UAE).
- Schrodgers Capital [launched](#) an insurance-linked tokenization pilot.
- Clearstream, DekaBank, DZ Bank [issued](#) tokenized bonds using distributed ledger technology.
- Tokeny and Globacap [announced](#) a partnership to address distributing tokenized private assets.
- Mantra [planned](#) to tokenize \$500M in real estate assets for UAE builder MAG Group.
- Re, an RWA platform, [launched](#) a tokenized reinsurance fund on Avalanche with a \$15M commitment from Nexus Mutual.

- Untangled, a tokenized private-credit platform , [launched](#) a USDC lending pool on the Celo blockchain.
- T-Blocks [planned](#) to tokenize €235M in real estate and green energy assets in Albania and the Balkans region.
- Brickken, an RWA tokenization platform, was [selected](#) to participate in the European blockchain sandbox.
- NFT Workx [introduced](#) an app for RWA tokenization.
- UDPN [launched](#) production systems for tokenized deposits, stablecoins, and asset tokenization.

## CeFi RWA Industry Players

The table below provides details on a selection of 98 centralized tokenization service providers.

Entity	Website	Founded	Jurisdiction	In-House Blockchain	Tokenized Asset Marketplace	Fractionalization of Assets	Self-Custody	Total Funding
<b>10XTS</b>	<a href="https://10xts.com/">https://10xts.com/</a>	2017	United States	Yes	No	Yes	Yes	\$2,400,000
<b>Adapt3r*</b>	<a href="https://www.adapt3r.com/">https://www.adapt3r.com/</a>	2023	Unknown	No	No	Yes	No	Unknown
<b>ADDX</b>	<a href="https://addx.co/en/index.html">https://addx.co/en/index.html</a>	2017	Singapore	No	Yes	Yes	No	\$140,900,000
<b>Ainslie Crypto</b>	<a href="https://ainsliecrypto.com.au/">https://ainsliecrypto.com.au/</a>	1974	Australia	No	Yes	Yes	Yes	Unknown
<b>Aktionariat</b>	<a href="https://www.aktionariat.com/">https://www.aktionariat.com/</a>	2020	Switzerland	No	Yes	No	No	\$1,500,000
<b>AllianceBlock</b>	<a href="https://allianceblock.io/">https://allianceblock.io/</a>	2018	Netherlands	No	Yes	No	Yes	\$1,500,000
<b>Alphaledger</b>	<a href="https://www.alphaledger.com/">https://www.alphaledger.com/</a>	2019	United States	No	Yes	No	No	\$7,500,000
<b>AlphaPoint</b>	<a href="https://alphapoint.com/">https://alphapoint.com/</a>	2013	United States	Yes	No	Yes	Yes	\$23,200,000
<b>Arca US Treasury Fund</b>	<a href="https://invest.arcalabs.com/#/login?redirect=/home">https://invest.arcalabs.com/#/login?redirect=/home</a>	2020	United States	No	No	Yes	No	\$10,000,000
<b>Archax</b>	<a href="https://www.archax.com/">https://www.archax.com/</a>	2018	United Kingdom	No	Yes	Yes	Yes	\$41,600,000
<b>Arf</b>	<a href="https://arf.one/">https://arf.one/</a>	2019	Switzerland	No	No	No	No	\$14,100,000
<b>Bankex</b>	<a href="https://bankex.com/">https://bankex.com/</a>	2015	United States	No	No	Yes	Yes	\$18,100,000
<b>Block Invest*</b>	<a href="https://blockinvest.it/">https://blockinvest.it/</a>	2019	Italy	No	No	Yes	No	Unknown
<b>Blocksquare</b>	<a href="https://blocksquare.io/">https://blocksquare.io/</a>	2017	Slovenia	No	Yes	Yes	No	Unknown
<b>Bondblox</b>	<a href="https://bondblox.com/">https://bondblox.com/</a>	2016	Singapore	No	Yes	Yes	No	\$6,000,000

Entity	Website	Founded	Jurisdiction	In-House Blockchain	Tokenized Asset Marketplace	Fractionalization of Assets	Self-Custody	Total Funding
<b>Brale</b>	<a href="https://brale.xyz/">https://brale.xyz/</a>	2022	United States	No	No	No	No	\$11,100,000
<b>Brickken</b>	<a href="https://www.brickken.com/">https://www.brickken.com/</a>	2020	Spain	No	Yes	Yes	No	\$2,700,000
<b>Brightvine</b>	<a href="https://www.brightvine.com/">https://www.brightvine.com/</a>	2020	United States	No	Yes	Yes	No	Unknown
<b>Bru Finance</b>	<a href="https://bru.finance/">https://bru.finance/</a>	2022	India	No	Yes	Yes	Yes	Unknown
<b>BSOS</b>	<a href="https://www.bsos.co/suplex">https://www.bsos.co/suplex</a>	2018	Taiwan	Yes	Yes	Yes	No	Unknown
<b>Canton Network</b>	<a href="https://www.canton.network/">https://www.canton.network/</a>	2023	United States	Yes	No	No	No	Unknown
<b>Cerchia</b>	<a href="https://www.cerchia.io/">https://www.cerchia.io/</a>	2020	Switzerland	No	Yes	No	No	\$2,700,000
<b>Circle</b>	<a href="https://circle.com/">https://circle.com/</a>	2013	United States	No	No	No	No	\$950,000,000
<b>Comtech Gold</b>	<a href="https://comtechgold.com/">https://comtechgold.com/</a>	2022	Dubai	No	Yes	No	Yes	Unknown
<b>Creditcoin*</b>	<a href="https://creditcoin.org/">https://creditcoin.org/</a>	2019	United States	Yes	No	No	Yes	Unknown
<b>dclex</b>	<a href="https://dclex.com/">https://dclex.com/</a>	-	Canada	No	Yes	No	No	Unknown
<b>DigiFT</b>	<a href="https://www.digift.sg/">https://www.digift.sg/</a>	2021	Singapore	No	Yes	Yes	No	\$10,500,000
<b>DigiShares</b>	<a href="https://digishares.io/">https://digishares.io/</a>	2018	Denmark	No	Yes	Yes	No	\$2,000,000
<b>Ebric</b>	<a href="https://ebric.io/">https://ebric.io/</a>	2020	Singapore	No	Yes	Yes	No	Unknown
<b>Ekta</b>	<a href="https://ektarealestate.app/">https://ektarealestate.app/</a>	2021	Indonesia	Yes	Yes	Yes	No	\$67,100,000
<b>Enigma Vault</b>	<a href="https://www.enigmavault.io/">https://www.enigmavault.io/</a>	2020	United States	No	No	No	Yes	Unknown
<b>eNor</b>	<a href="https://enorsecurities.com/en/">https://enorsecurities.com/en/</a>	2021	El Savador	No	Yes	Yes	Yes	Unknown
<b>Estate Protocol</b>	<a href="https://www.estateprotocol.com/">https://www.estateprotocol.com/</a>	2021	United Arab Emirates	No	Yes	Yes	No	\$1,000,000

Entity	Website	Founded	Jurisdiction	In-House Blockchain	Tokenized Asset Marketplace	Fractionalization of Assets	Self-Custody	Total Funding
EstateX*	<a href="https://www.estatex.eu/">https://www.estatex.eu/</a>	2020	Netherlands	No	No	Yes	No	Unknown
Flowcarbon	<a href="https://www.flowcarbon.com/">https://www.flowcarbon.com/</a>	2021	United States	No	No	No	No	\$1,573,001
Finality International	<a href="https://www.finality.org/home">https://www.finality.org/home</a>	2019	United Kingdom	Yes	No	No	No	\$62,000,000
Fortunafi	<a href="https://www.fortunafi.com/">https://www.fortunafi.com/</a>	2020	United States	No	Yes	Yes	No	\$6,350,000
Franklin Templeton	<a href="https://www.franklintempleton.com/investments/options/money-market-funds/products/29386/SI_NGLCLASS/franklin-on-chain-u-s-government-money-fund/FOBXX">https://www.franklintempleton.com/investments/options/money-market-funds/products/29386/SI_NGLCLASS/franklin-on-chain-u-s-government-money-fund/FOBXX</a>	1947	United States	No	No	Yes	No	Unknown
Frictionless	<a href="https://www.frictionless.markets/">https://www.frictionless.markets/</a>	2022	Luxembourg	No	No	No	No	Unknown
Fusang	<a href="https://www.fusang.co/">https://www.fusang.co/</a>	2015	Hong Kong	Yes	Yes	Yes	Yes	\$7,500,000
Groma	<a href="https://www.groma.com/">https://www.groma.com/</a>	2020	United States	No	No	Yes	No	\$49,300,000
Hamsa Pay	<a href="https://www.hamsa.com/">https://www.hamsa.com/</a>	2020	United States	No	Yes	Yes	No	\$5,700,000
Hashnote	<a href="https://www.hashnote.com/">https://www.hashnote.com/</a>	2022	United States	No	No	No	No	\$5,000,000
Helix	<a href="https://helixfinance.io/">https://helixfinance.io/</a>	2023	Singapore	No	No	Yes	No	\$2,000,000
Homium	<a href="https://www.homium.io/">https://www.homium.io/</a>	2018	United States	No	No	Yes	No	\$14,900,000
HoneyBricks	<a href="https://www.honeybricks.com/">https://www.honeybricks.com/</a>	2020	United States	No	Yes	Yes	Yes	Unknown
HouseAfrica	<a href="https://houseafrica.io/">https://houseafrica.io/</a>	2017	Nigeria	No	Yes	Yes	No	\$525,000
Intain	<a href="https://intainft.com/">https://intainft.com/</a>	2018	United States	No	Yes	Yes	Yes	\$1,500,000
INX Digital	<a href="https://www.inx.co/">https://www.inx.co/</a>	2017	United States	No	Yes	Yes	No	\$101,700,000

Entity	Website	Founded	Jurisdiction	In-House Blockchain	Tokenized Asset Marketplace	Fractionalization of Assets	Self-Custody	Total Funding
<b>InvestaX</b>	<a href="https://investax.io/">https://investax.io/</a>	2015	Singapore	No	Yes	Yes	Yes	\$150,000
<b>Jia</b>	<a href="https://www.jia.xyz/">https://www.jia.xyz/</a>	2022	United States	No	Yes	Yes	No	\$5,300,000
<b>Libre</b>	<a href="https://www.librecapital.com/">https://www.librecapital.com/</a>	2024	United Kingdom	Yes	No	No	No	Unknown
<b>Liquid Mortgage</b>	<a href="https://www.liquidmortgage.io/">https://www.liquidmortgage.io/</a>	2018	United States	No	Yes	Yes	No	Unknown
<b>Lofty</b>	<a href="https://www.lofty.ai/">https://www.lofty.ai/</a>	2018	United States	No	Yes	Yes	No	\$5,000,000
<b>Masterworks*</b>	<a href="https://www.masterworks.com/">https://www.masterworks.com/</a>	2017	United States	No	No	Yes	No	Unknown
<b>Mercado Bitcoin</b>	<a href="https://www.mercadobitcoin.com.br/">https://www.mercadobitcoin.com.br/</a>	2013	Brazil	No	No	No	No	\$238,000,000
<b>Mountain Protocol</b>	<a href="https://mountainprotocol.com/">https://mountainprotocol.com/</a>	2023	Bermuda	No	No	No	No	Unknown
<b>NYALA</b>	<a href="https://www.nyala.de/en/">https://www.nyala.de/en/</a>	2019	Germany	No	Yes	Yes	No	Unknown
<b>OpenChrono</b>	<a href="https://openchrono.io/en-gb">https://openchrono.io/en-gb</a>	2022	Germany	No	Yes	No	No	Unknown
<b>Ownera</b>	<a href="https://ownera.io/">https://ownera.io/</a>	2018	United Kingdom	Yes	No	Yes	No	\$20,000,000
<b>Paxos</b>	<a href="https://paxos.com/">https://paxos.com/</a>	2012	United States	No	Yes	No	Yes	\$543,500,000
<b>PeerHive</b>	<a href="https://peerhive.app/">https://peerhive.app/</a>	2023	Malaysia	No	Yes	Yes	No	Unknown
<b>Petale</b>	<a href="https://www.petale.com/">https://www.petale.com/</a>	2018	France	Yes	Yes	Yes	No	Unknown
<b>Polymath</b>	<a href="https://polymath.network/">https://polymath.network/</a>	2017	Barbados	Yes	Yes	Yes	No	\$58,700,000
<b>Pontoro</b>	<a href="https://www.pontoro.com/">https://www.pontoro.com/</a>	2015	United States	No	No	Yes	No	\$10,000,000
<b>Propy</b>	<a href="https://propy.com/home/">https://propy.com/home/</a>	2015	United States	No	Yes	Yes	No	Unknown
<b>PV01</b>	<a href="https://www.pv0.one/">https://www.pv0.one/</a>	2022	United Kingdom	No	Yes	No	No	\$9,000,000



Entity	Website	Founded	Jurisdiction	In-House Blockchain	Tokenized Asset Marketplace	Fractionalization of Assets	Self-Custody	Total Funding
<b>Realio Network</b>	<a href="https://realio.network/">https://realio.network/</a>	2018	United States	Yes	Yes	No	Yes	Unknown
<b>RealT</b>	<a href="https://realt.co/">https://realt.co/</a>	2019	United States	No	Yes	Yes	No	\$10,200,000
<b>RealX</b>	<a href="https://www.realx.in/about-us">https://www.realx.in/about-us</a>	2017	India	No	No	Yes	No	Unknown
<b>Reental*</b>	<a href="https://www.reental.co/">https://www.reental.co/</a>	2020	Spain	No	No	Yes	No	\$1,070,000
<b>Riddle&amp;Code</b>	<a href="https://www.riddleandcode.com/">https://www.riddleandcode.com/</a>	2016	Austria	Yes	No	No	Yes	Unknown
<b>Robinland</b>	<a href="https://www.robinland.io/">https://www.robinland.io/</a>	2021	United States	No	Yes	Yes	No	\$2,000,000
<b>SEBA Bank</b>	<a href="https://www.seba.swiss/">https://www.seba.swiss/</a>	2018	Switzerland	No	Yes	No	Yes	\$246,900,000
<b>Securitize</b>	<a href="https://securitize.io/">https://securitize.io/</a>	2017	United States	No	Yes	Yes	No	\$100,200,000
<b>Securrency</b>	<a href="https://securrency.com/">https://securrency.com/</a>	2015	United States	No	Yes	Yes	No	\$64,500,000
<b>Smart Token Labs</b>	<a href="https://smarttokenlabs.com/">https://smarttokenlabs.com/</a>	2017	Australia	No	No	No	Yes	\$6,000,000
<b>Soil</b>	<a href="https://soil.co/">https://soil.co/</a>	2021	Poland	No	Yes	Yes	No	Unknown
<b>Spydra</b>	<a href="https://www.spydra.app/">https://www.spydra.app/</a>	2021	United States	Yes	No	No	No	\$18,300,000
<b>Stable</b>	<a href="https://withstable.com/">https://withstable.com/</a>	2021	United States	No	No	No	No	Unknown
<b>Stobox</b>	<a href="https://stobox.io/">https://stobox.io/</a>	2018	United States	No	Yes	Yes	No	\$1,200,000
<b>STOKR</b>	<a href="https://stokr.io/">https://stokr.io/</a>	2018	Luxembourg	No	Yes	Yes	No	\$8,100,000
<b>Structure</b>	<a href="https://structure.fi/">https://structure.fi/</a>	2020	British Virgin Islands	No	Yes	No	No	\$20,000,000
<b>Superstate</b>	<a href="https://superstate.co/">https://superstate.co/</a>	2023	United States	No	No	No	No	\$4,000,000
<b>Taurus Platform</b>	<a href="https://www.taurushq.com/">https://www.taurushq.com/</a>	2018	Geneva	No	Yes	No	Yes	\$75,900,000

Entity	Website	Founded	Jurisdiction	In-House Blockchain	Tokenized Asset Marketplace	Fractionalization of Assets	Self-Custody	Total Funding
Talium Assets	<a href="https://www.talium-assets.com/">https://www.talium-assets.com/</a>	2018	France	No	Yes	Yes	No	Unknown
Tether	<a href="https://tether.to/en/">https://tether.to/en/</a>	2014	British Virgin Islands	No	No	No	No	Unknown
Texture Capital	<a href="https://www.texture.capital/">https://www.texture.capital/</a>	2019	United States	No	Yes	Yes	No	\$1,000,000
Tokeny Solutions	<a href="https://tokeny.com/">https://tokeny.com/</a>	2017	Luxembourg	No	Yes	Yes	Yes	\$5,660,000
TOKO	<a href="https://toko.network/">https://toko.network/</a>	2022	Hong Kong	No	No	Yes	No	Unknown
Tradable	<a href="https://www.tradable.xyz/">https://www.tradable.xyz/</a>	2022	United States	No	No	No	No	\$2,000,000
tZERO	<a href="https://www.tzero.com/">https://www.tzero.com/</a>	2014	United States	No	Yes	Yes	No	\$275,000,000
Vertalo	<a href="https://www.vertalo.com/">https://www.vertalo.com/</a>	2017	United States	No	No	Yes	No	\$7,800,000
WeOwn	<a href="https://weown.com/de/">https://weown.com/de/</a>	2017	Liechtenstein	Yes	Yes	Yes	Yes	Unknown
WisdomTree	<a href="https://www.wisdomtree.com/investments/digital-funds">https://www.wisdomtree.com/investments/digital-funds</a>	1985	United States	No	Yes	Yes	No	\$126,400,000
Yieldteq	<a href="https://www.yieldteq.io/">https://www.yieldteq.io/</a>	2023	United States	No	No	No	No	Unknown
Zivoe Finance	<a href="https://zivoe.finance/">https://zivoe.finance/</a>	2020	United States	No	No	Yes	No	Unknown
Zodor	<a href="https://www.zodor.io/">https://www.zodor.io/</a>	2023	India	No	No	Yes	No	Unknown

\*Newly added to the report

Data as of 15 July 2024

## Key Takeaways

- 44 of the listed organizations are registered in the United States, followed by Singapore with 6 protocols, the United Kingdom with 5 protocols, Switzerland with 4 protocols, and India and Luxembourg with 3 protocols each.

- 6 new projects were added to this report:
  - Adapt3r offers institutional-grade financial products, including tfBILL, which allows international investors access to short-term U.S. Treasury Bill yields.
  - Block Invest facilitates the tokenization of transparent digital securities through blockchain technology.
  - Creditcoin enables RWA credit operations by connecting borrowers, lenders, and investors.
  - EstateX is a tokenization platform that aims to increase simplicity, affordability, and accessibility in real estate.
  - Masterworks enables users to invest in expensive artwork, like paintings by Basquiat, Picasso, Banksy, and more.
  - Reental offers opportunities to diversify investment portfolios by participating in global real estate markets.
- Only 16 organizations utilize an in-house blockchain network.
- 57 of the organizations have their own tokenized asset marketplace.
- 64 of the organizations support the fractionalization of real-world assets.

## CeFi RWA Asset Classes

The table below displays the types of underlying assets tokenized by the selected protocols.

Entity	Real Estate	Equities	Commodities	Fixed Income	Private Credit	Forex	Other (Art, Luxury, Environmental, etc.)
10XTS	✓	✓			✓		✓
Adapt3r*				✓			
ADDX	✓	✓			✓		
Ainslie Crypto			✓				
Aktionariat		✓					
AllianceBlock					✓		
Alphaledger				✓			
AlphaPoint	✓	✓	✓				✓
Arca US Treasury Fund				✓			
Archax		✓		✓			
Arf					✓		
Bankex	✓				✓		✓
Block Invest*				✓			
Blocksquare	✓						
Bondblox				✓			
Brale				✓			
Brickken		✓					
Brightvine	✓			✓			
Bru Finance			✓	✓			
BSOS					✓		

Entity	Real Estate	Equities	Commodities	Fixed Income	Private Credit	Forex	Other (Art, Luxury, Environmental, etc.)
Canton Network		✓	✓	✓	✓		
Cerchia				✓	✓		
Circle							✓
Comtech Gold			✓				
Creditcoin*				✓	✓		
dclex		✓					
DigiShares	✓						
DigiFT		✓		✓			
Ebric	✓						
Ekta	✓						
Enigma Vault							✓
eNor	✓	✓	✓	✓			
Estate Protocol	✓						
EstateX*	✓						
Flowcarbon							✓
Fnality International						✓	
Fortunafi				✓	✓		
Franklin Templeton				✓			
Frictionless		✓					
Fusang		✓			✓		
Groma	✓						
Hamsa Pay	✓				✓		
Hashnote		✓		✓			
Helix					✓		

Entity	Real Estate	Equities	Commodities	Fixed Income	Private Credit	Forex	Other (Art, Luxury, Environmental, etc.)
Homium	✓						
HoneyBricks	✓						
HouseAfrica	✓						
Intain					✓		
INX Digital		✓					
InvestaX	✓	✓			✓		✓
Jia					✓		
Libre				✓			
Liquid Mortgage	✓				✓		
Lofty	✓						
Masterworks*							✓
Mercado Bitcoin					✓		✓
Mountain Protocol						✓	
NYALA	✓			✓			
OpenChrono							✓
Ownera	✓	✓		✓	✓		
Paxos		✓	✓			✓	
PeerHive					✓		
Petale	✓	✓					✓
Polymath	✓	✓		✓			
Pontoro					✓		
Propy	✓						
PV01				✓			
Realio Network	✓						

Entity	Real Estate	Equities	Commodities	Fixed Income	Private Credit	Forex	Other (Art, Luxury, Environmental, etc.)
RealT	✓						
RealX	✓						
Reental*	✓						
Riddle & Code	✓						✓
Robinland	✓						
SEBA Bank						✓	
Securitize	✓	✓	✓				
Securrency		✓		✓			
Smart Token Labs							✓
Soil				✓	✓		
Spydra					✓		✓
Stable							✓
Stobox	✓	✓	✓				✓
STOKR		✓		✓			✓
Structure		✓					
Superstate				✓			
Taurus Platform	✓						✓
Talium Assets	✓	✓	✓	✓			✓
Tether							✓
Texture Capital	✓	✓		✓	✓		
Tokeny Solutions	✓	✓	✓	✓	✓		✓
TOKO	✓	✓					✓
Tradable					✓		
tZERO		✓					

Entity	Real Estate	Equities	Commodities	Fixed Income	Private Credit	Forex	Other (Art, Luxury, Environmental, etc.)
Vertalo	✓	✓			✓		
WeOwn		✓		✓	✓		
WisdomTree		✓		✓			
Yieldteq				✓			
Zivoe Finance					✓		
Zodor	✓	✓	✓		✓		

\*Newly added to the report

Data as of 15 July 2024

## Key Takeaways

- As of July 2024, the most common tokenized asset types were real estate (40) and equities (33).
- Fixed income and tokenization of private credit are almost as popular, offered by 32 and 30 platforms, respectively.
- Tokenization of foreign exchange and commodities-based assets remains the least popular among CeFi RWA providers.



## DeFi RWA Industry Players

The following table provides details on a selection of 59 on-chain tokenization providers. Unlike their CeFi counterparts, DeFi RWA providers are generally more permissionless, with a majority of operations conducted on the blockchain.

Entity	Blockchain(s)	Sector	Asset Class(es)	Founding Year	Geography/Jurisdiction
<a href="#">Aconomy</a>	Polygon	Tokenization	Luxury Goods	2023	-
<a href="#">AmFi</a>	Avalanche	Credit	Credit & Loans, Real Estate	2022	United States
<a href="#">Alta</a>	Ethereum, Polygon, Optimism	Tokenization	Real Estate, Automotive	2020	United States
<a href="#">Anzen</a>	Ethereum	Credit	Credit & Loans	2022	United States
<a href="#">Artrade</a>	Solana	Tokenization	Artwork & NFTs	2021	France
<a href="#">Atlendis</a>	Polygon	Credit	Credit & Loans	2021	France
<a href="#">Backed Finance</a>	Ethereum, Gnosis	Tokenization	Credit & Loans, Equities	2021	Switzerland
<a href="#">Bitbond</a>	Arbitrum, Avalanche, Binance, Ethereum, Optimism	Tokenization	Fixed Income	2013	Germany
<a href="#">Blockcellar</a>	Polygon	Tokenization	Luxury Goods	2023	Unknown
<a href="#">Bluejay Finance</a>	Ethereum	Stablecoin Credit	Fixed Income	2021	Singapore
<a href="#">Brick Estate*</a>	BNB Smart Chain (BSC)	Real Estate	Real Estate	2019	United Kingdom
<a href="#">Canza Finance</a>	Avalanche, Celo	Stablecoin Credit	Credit & Loans	2020	Nigeria
<a href="#">Carapace Finance</a>	Ethereum	Credit	Credit & Loans	2021	Unknown

Entity	Blockchain(s)	Sector	Asset Class(es)	Founding Year	Geography/Jurisdiction
<a href="#">CellarDAO</a>	Polygon	Tokenization	Luxury Goods	2023	Singapore
<a href="#">Centrifuge</a>	Ethereum	Credit	Credit & Loans, Real Estate	2017	Switzerland
<a href="#">CitaDAO</a>	Ethereum	Tokenization	Real Estate	2021	Singapore
<a href="#">Clearpool</a>	Ethereum, Polygon	Credit	Credit & Loans	2021	Hong Kong
<a href="#">CredeFi</a>	Ethereum, Binance	Credit	Credit & Loans	2020	Bulgaria
<a href="#">Credix</a>	Solana	Credit	Credit & Loans	2021	Belgium
<a href="#">Cogito Protocol</a>	Ethereum	Tokenization	Fixed Income Equities	2022	United States
<a href="#">Defactor</a>	Ethereum, Polygon	Credit	Fixed Income Credit & Loans	2020	Luxembourg
<a href="#">Dexstar</a>	Ethereum	Credit	Credit & Loans	2021	Cayman Islands
<a href="#">DEFYCA</a>	Avalanche	Tokenization	Credit & Loans, Fiat	2021	Luxembourg
<a href="#">Elysia</a>	Ethereum	Tokenization	Real Estate	2020	Singapore
<a href="#">Ensure</a>	Ethereum	Insurance	Insurance Portfolio	2021	Singapore
<a href="#">Fabrica</a>	Ethereum	Derivatives	Real Estate	2019	United States
<a href="#">Florence Finance</a>	Ethereum	Credit	Credit & Loans	-	United Arab Emirates
<a href="#">Frigg</a>	Ethereum	Credit	Credit & Loans	2022	Switzerland
<a href="#">Goldfinch</a>	Ethereum	Credit	Credit & Loans	2020	United States
<a href="#">Homecoin</a>	Ethereum	Stablecoin	Mortgages	-	Unknown
<a href="#">Huma Finance</a>	Polygon, Celo	Credit	Credit & Loans	2022	United States

Entity	Blockchain(s)	Sector	Asset Class(es)	Founding Year	Geography/Jurisdiction
<a href="#">ImpactMarket</a>	Celo	Credit	Credit & Loans	2020	Portugal
<a href="#">KlimaDAO</a>	Polygon	Tokenization	Carbon Credit	2021	United States
<a href="#">LandX</a>	Ethereum	Credit	Credit & Loans	-	Lithuania
<a href="#">Maker</a>	Ethereum	Stablecoin Credit	Credit & Loans, Cryptocurrencies	2015	Denmark
<a href="#">Maple</a>	Ethereum, Solana	Credit	Credit & Loans	2020	Australia
<a href="#">Matrixdock</a>	Ethereum	Tokenization	Fixed Income	-	Singapore
<a href="#">Maxos</a>	Ethereum	Stablecoin Credit	Credit & Loans	2020	United States
<a href="#">Meld Gold</a>	Algorand	Commodities	Gold	2020	Australia
<a href="#">Obligate</a>	Polygon	Credit	Credit & Loans	2019	Switzerland
<a href="#">Ondo Finance</a>	Ethereum	Tokenization	Credit & Loans	2021	United States
<a href="#">OpenEden</a>	Ethereum	Tokenization	Fixed Income	2022	Singapore
<a href="#">Parabol Finance</a>	Ethereum	Tokenization	Fixed Income	2015	United States
<a href="#">Parcl</a>	Solana	Derivatives	Real Estate	2022	British Virgin Islands
<a href="#">Pearl Exchange</a>	Polygon	Infrastructure	Stablecoins	2023	Unknown
<a href="#">Polytrade Finance</a>	Polygon	Credit	Credit & Loans	2021	United Arab Emirates
<a href="#">PurpleFi</a>	-	Tokenization	Real Estate	2022	United Kingdom
<a href="#">Re.al*</a>	Arbitrum	Tokenization	Fixed Income	2024	Unknown
<a href="#">Ribbon Lend</a>	Ethereum	Stablecoin Credit	Credit & Loans	2020	Singapore
<a href="#">Sapling</a>	Polygon	Credit	Credit & Loans	2022	United Kingdom

Entity	Blockchain(s)	Sector	Asset Class(es)	Founding Year	Geography/Jurisdiction
<a href="#">Solv Finance</a>	Ethereum	Tokenization	Fixed Income	2020	British Virgin Islands
<a href="#">Swarm</a>	Polygon	Tokenization	Securities	2021	Germany
<a href="#">Tangible</a>	Polygon	Stablecoin	Luxury Goods, Precious Metals, Real Estate	2021	United States
<a href="#">Toucan Protocol</a>	Polygon, Celo	Tokenization	Carbon Credit	2021	Switzerland
<a href="#">Tribal Finance</a>	Ethereum	Credit	Credit & Loans	2016	United States
<a href="#">TrueFi</a>	Ethereum	Credit	Credit & Loans	2020	United States
<a href="#">Unikura</a>	Ethereum	Tokenization	Trading cards, Watches, Luxury Goods, and Art	2023	Japan and Singapore
<a href="#">Untangled</a>	Celo	Tokenized Credit	Private Credit Assets (Invoices and SME Loans)	2020	United Kingdom

\*Newly added to the report

Data as of 15 July 2024

## Key Takeaways

- 2 new protocols were added to our list of decentralized providers:
  - Brick Estate is a platform that connects real estate globally using the BNB Smart Chain (BSC) network.
  - Re.al is a Layer-2 scaling platform that allows tokenization and trading of real-world assets.
- As of this report, Credit & Loans is the most common sector for DeFi tokenization products, with a total of 30 providers supporting real-world loans.
- Ethereum is the most common blockchain among RWA DeFi applications, with 33 out of 58 providers being run on the blockchain.
- A smaller portion of the RWA DeFi applications run on the Polygon, Solana, Avalanche, Celo, BNB Smart Chain, Arbitrum, and Gnosis Chain blockchains.

## DeFi RWA Protocols

The following table provides details on DeFi protocols that integrate real-world assets. These range from on-chain emerging markets lenders to protocols providing on-chain market participants with access to US Treasury Bills.

Protocol	Network	Active Loans	Total Lifetime Loans	Total Value Locked (TVL)	Market Capitalization of Protocol's Native Token	Quarterly Change in Market Capitalization (%) of Protocol's Native Token
<a href="#">Centrifuge</a>	Ethereum	\$286,636,121	\$604,398,900	\$293,249,905	\$260,083,015	<b>-38.27%</b>
<a href="#">Maple</a>	Ethereum	\$171,662,256	\$4,130,000,000	\$286,040,000	\$116,978,844	<b>-23.60%</b>
<a href="#">Goldfinch</a>	Ethereum	\$69,540,000	\$125,930,000	\$2,970,000	\$221,597,072	<b>-27.25%</b>
<a href="#">Credix</a>	Solana	\$24,900,000	\$43,371,385	\$25,100,000	N/A	N/A
<a href="#">TrueFi</a>	Ethereum	\$19,002,202	\$1,740,000,000	\$37,100,000	\$161,567,240	<b>4.73%</b>
<a href="#">HomeCoin</a>	Ethereum	\$6,097,653	\$7,955,966	\$6,292,606	N/A	N/A
<a href="#">Ondo Finance</a>	Ethereum	N/A	N/A	\$553,590,000	\$1,500,526,460	<b>6.31%</b>
<a href="#">Ribbon Lend</a>	Ethereum	Unknown	\$55,647,465	\$12,500,000	\$83,851,596	N/A

Data as of 15 July 2024

Data is sourced from project websites or other publicly available information, including [rwa.xyz](https://rwa.xyz).

### Key Takeaways

- Centrifuge, Maple, and Goldfinch saw the market cap of their native tokens decrease over the past quarter, while TrueFi and Ondo Finance recorded increases.
- The market capitalization of Centrifuge's native token recorded the biggest decrease in market cap in Q2 2024, going from \$421,296,683 to \$260,083,015, a decrease of 38.27%.

## RWA U.S. Treasury Protocols

Protocol	Network	Ticker	Name	Market Capitalization	Quarterly Change in Market Capitalization	Yield To Maturity	Minimum Investment
<b>Backed Finance</b>	Ethereum	bIB01	Backed IBTA \$ Treasury Bond 0-1yr	\$17,291,750	<b>-41.98%</b>	5.23%	\$5,000
<b>Franklin Templeton Benji Investments</b>	Stellar	FOBXX	Franklin OnChain U.S. Government Money Fund	\$417,465,753	<b>14.89%</b>	5.11%	-
<b>Hashnote</b>	Ethereum	USYC	Hashnote Short Duration Yield Fund	\$145,037,256	<b>255.81%</b>	4.70%	\$100,000
<b>Maple</b>	Ethereum	MPLcashUSDC	Cash Management Pool (USDC)	\$20,121,137	<b>14.22%</b>	5.06%	\$100,000
<b>Maple</b>	Solana	MPLcashUSDC-SPL	Cash Management Pool (USDC-SPL)	\$5,777,869	<b>-31.06%</b>	4.80%	\$100,000
<b>Matrixdock</b>	Ethereum	STBT	Short-term Treasury Bill Token	\$35,817,079	<b>-15.40%</b>	4.86%	-
<b>Ondo Finance</b>	Ethereum	OUSG	Ondo Short-Term US Government Bond Fund	\$215,907,697	<b>144.29%</b>	4.68%	\$100,000
<b>Open Eden</b>	Ethereum	TBILL	OpenEden TBILL Vault	\$64,176,051	<b>192.98%</b>	5.30%	\$100,000
<b>WisdomTree</b>	Stellar	WTSYX	WisdomTree Short-Term Treasury Digital Fund	\$1,003,689	<b>0.02%</b>	4.87%	\$25

Data as of 15 July 2024

Data is sourced from project websites or other publicly available information, including [rwa.xyz](https://rwa.xyz).

### Key Takeaways

- Most treasury tokenization providers recorded an increase in market capitalization in Q2 2024, while Backed Finance, Maple on Solana, and Matrixdock recorded decreases.
- The largest percentage increase in market capitalization was recorded by Hashnote Short Duration Yield Fund

(USYC), with an increase of ~255%.

- Franklin Templeton Benji Investments maintains its position as the market cap leader with a total of \$417,465,753 as of 15 July 2024.

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