ripple

Ripple & XRP Overview

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Agenda

1. Who We Are

2. Solutions

- 3. XRP: The Digital Asset for Payments
- 4. Platform for Innovation
- 5. Q&A

Who We Are



OUR VISION

The Internet of Value: Enable the world to move money like information moves today. OUR MISSION

To remove friction from global payments.

Sample of Our Growing Network of 100 Customers



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xCurrent Overview

Bidirectional Messaging Lowers Operational Costs



Settlement Through Ripple Enables New Offerings



xCurrent Components



Messenger: Provides a set of services for integration of payment processing, manages the secure messaging between partner institutions and the orchestration of the end-to-end payment.

ILP Ledger: Stores and manages liquidity positions between the participants, this ledger would coordinate movement of funds in hold and liquidity provider accounts based on cryptographic events. Operated at each participant.

Connector: Service which connects to sending and receiving ILP ledgers, provides rates for exchange (FX) and executes the transfer between its own funds and escrow. Operated by liquidity provider.

Validator: Service which coordinates the execution of transfer between the connector and ILP Ledger, providing a final non-repudiable outcome of the settlement. Generally operated by the liquidity owner, can be operated by a third party.

XRP The Digital Asset for Payments

Performance at Scale



SRP Only Takes 3 Seconds

Per Transaction

• XRP

• SRC

• BTC

• BTC

• BCH

• DASH

• P29 secs

• LTC

• 1008 secs

• Cripple



The XRP Ecosystem is Maturing



Use Cases for XRP

Nostro replacement, Universal Bridge



Today: Pre-Funding in Destination Currencies Is Expensive

Problem: Delayed Settlement Results In Trapped Cash

\$27 Trillion

Float sitting in transaction accounts globally





xRapid Eliminates Pre-Funding in Destination Currencies

xRapid reduces the opportunity cost of capital

No Float

Liquidity on demand



xRapid Overview

xRapid is an API-based Product



xRapid Solution

xRapid provides **on-demand access to liquidity** through digital asset exchanges



xRapid Competitive Advantage



Settlement rail	Speed	FX Cost	Other Costs	Certainty
Bitcoin, Ethereum, etc	Several hours	70 bps	\$10.00 avg network fee	Delivery confirmation
SWIFT/nostro account	Days	70-150 bps	Cost of maintaining nostro account	No confirmation
xRapid + XRP	Minutes	30 bps*	\$0.001 avg network fee	Delivery confirmation

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Cuallix Use Case



Problem: Cuallix required costly pre-funding to support payments into Mexico

Solution: xRapid eliminated pre-funding by leveraging XRP and liquidity at digital asset exchanges

Results: Payments in 2-3 minutes at a fraction of the cost



Modernizing Payment Infrastructure

We believe that modernizing a common clearing + settlement architecture and infrastructure is an opportunity for innovation and will unlock much larger value up the stack. A consulting approach to exploration and trial can mitigate risks as the technology evolves.



Ripple: Platform for Innovation

Central Banks and national Infrastructures can engage with Ripple to innovate with proven building blocks in Distributed Ledger Technology. Preserve sovereign rights while transacting seamlessly with regional economies for global growth.

NATIONAL PAYMENTS

Immediate Payments PLUS xBorder Platform for cyber-resilience.



INTEROPERABILITY

Connect with other national platforms to spur regional economies.

DIGITAL ASSETS

Experiment with digital/crypto assets on private or public distributed ledger technologies.



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Appendix

XRP Consensus vs Proof of Work

XRP Is An Open System



1. Amendments are proposed as pull requests on Github

2. Validators vote on each amendment

3. Successful amendments go live on the network



Bitcoin/Ethereum Miners Can Vote Regardless of User Opinion.



XRP Validators Are Appointed By Users

Users decide their Unique Node Lists (UNLs) — the list of validators they will listen to.

China accounts for





XRP Validators Are Globally Distributed

Users decide which validators are trusted.

Proof-of-work incentivizes only mining

The cheaper you can mine, the more money you make.



IMAGE GILLES SABRIE/NYT

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Ripple Consensus incentivizes what users value

Ripple validators are chosen by Ripple users (banks, payment providers, etc) and are selected based on security, track record, jurisdiction, etc.





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IMAGE ATTOKYO



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@ Tokyo

IMAGE ATTOKYO



XRP Is The First Enterprise-Ready Digital Asset

Built with security, scalability and compliance in mind.



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