



Teller

Automate Trust

Built by



blockchainplus.co

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MISSION

BlockChain+ aims to automate trust typically generated by intermediaries resulting in financial, time and other efficiencies for everyday consumers.

PROBLEM

- Traditional transaction systems are expensive or slow or both
- Public Blockchains have a cost, privacy, speed and scale problem
- Private Blockchains have central control which make decentralizing impossible
- Both Public & Private blockchains have unique security risks

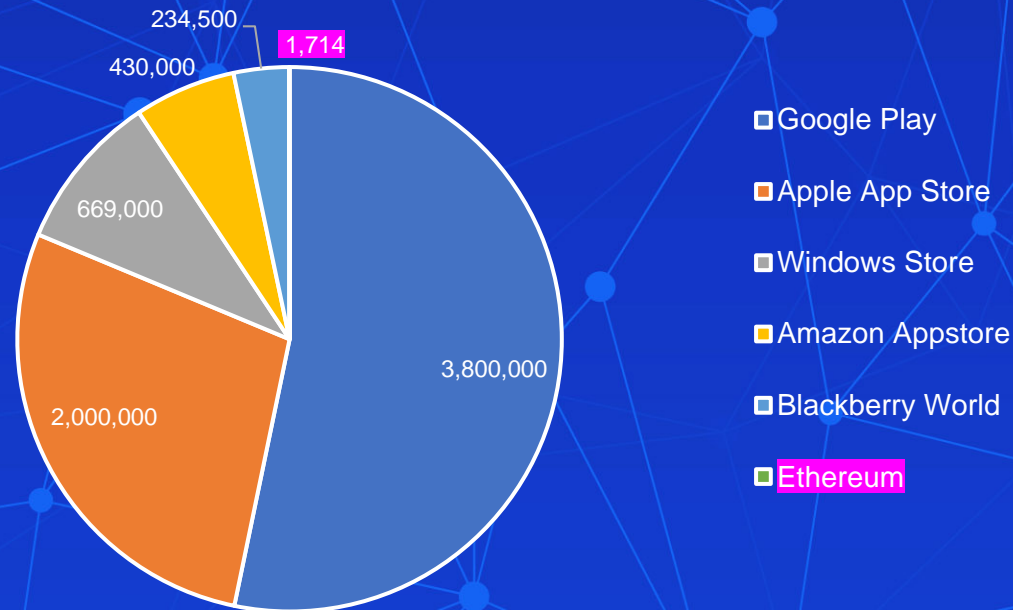
	Bitcoin	Ethereum	Ripple	Mastercard
Settlement Time (sec's)	600	14	4	<1
Transaction Per (sec's)	7	15	50,000	45,000
Security Risk	51% Attack	51% Attack	Single point failure	Single point failure
Type	Public Blockchain	Public Blockchain	Private Blockchain	Central Database

SOLUTION

BlockChain+ is leveraging blockchain technology to build Teller. Teller is an open-source peer-to-peer transaction system that lets users complete transactions using native currency within milliseconds and with complete privacy!

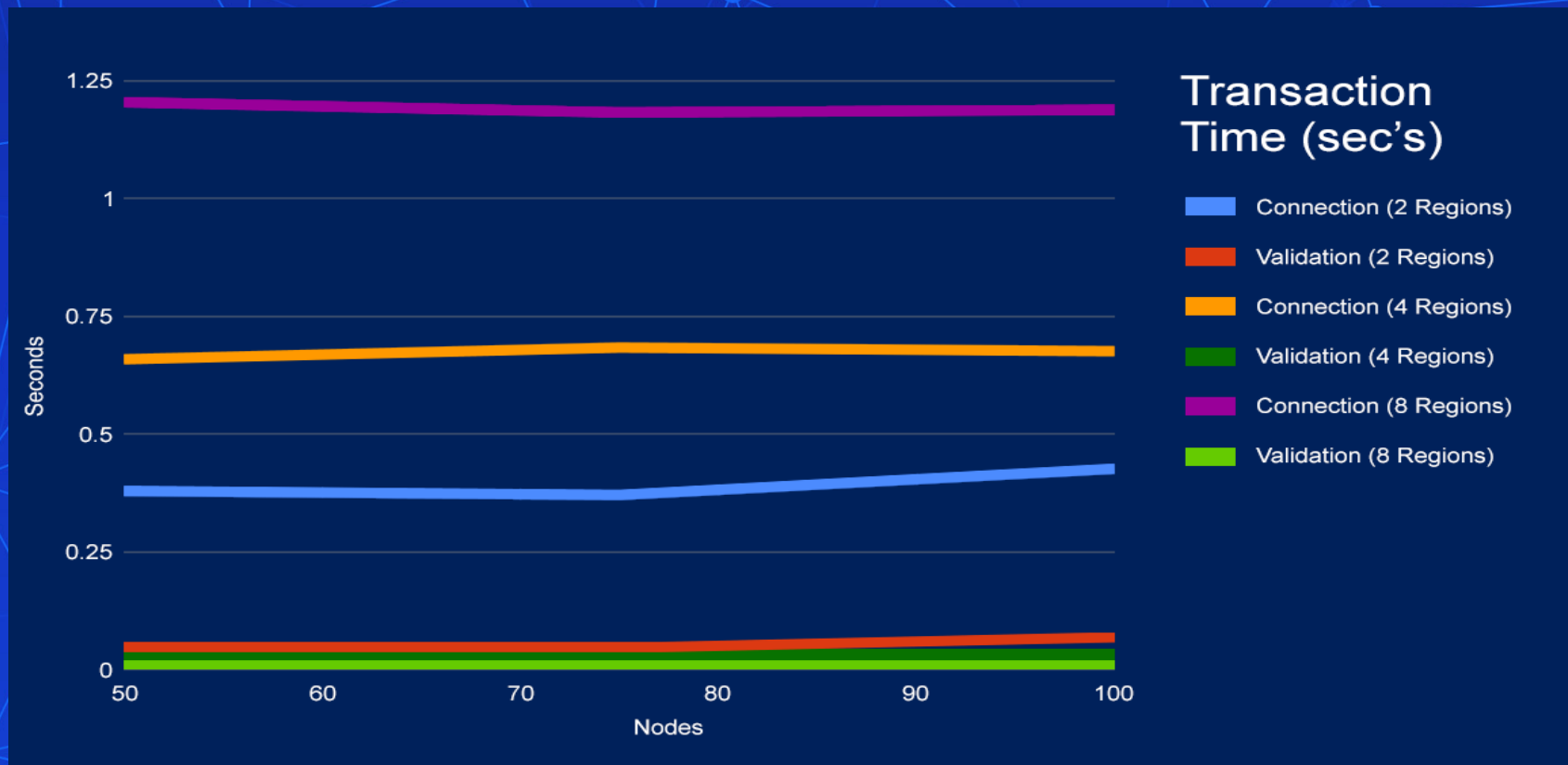
Decentralized Competition

- Public blockchains are developing “layer 2” solutions i.e. Lightning Network, Sharding, Plasma
- Most “layer 2” solutions are mini transactions off the main chain resulting in higher throughput
- Off-chain transactions sacrifice decentralization to increase transactions per second (throughput)
- Off-chain transactions do nothing to address privacy or security concerns
- Market share decentralized apps vs. centralized:



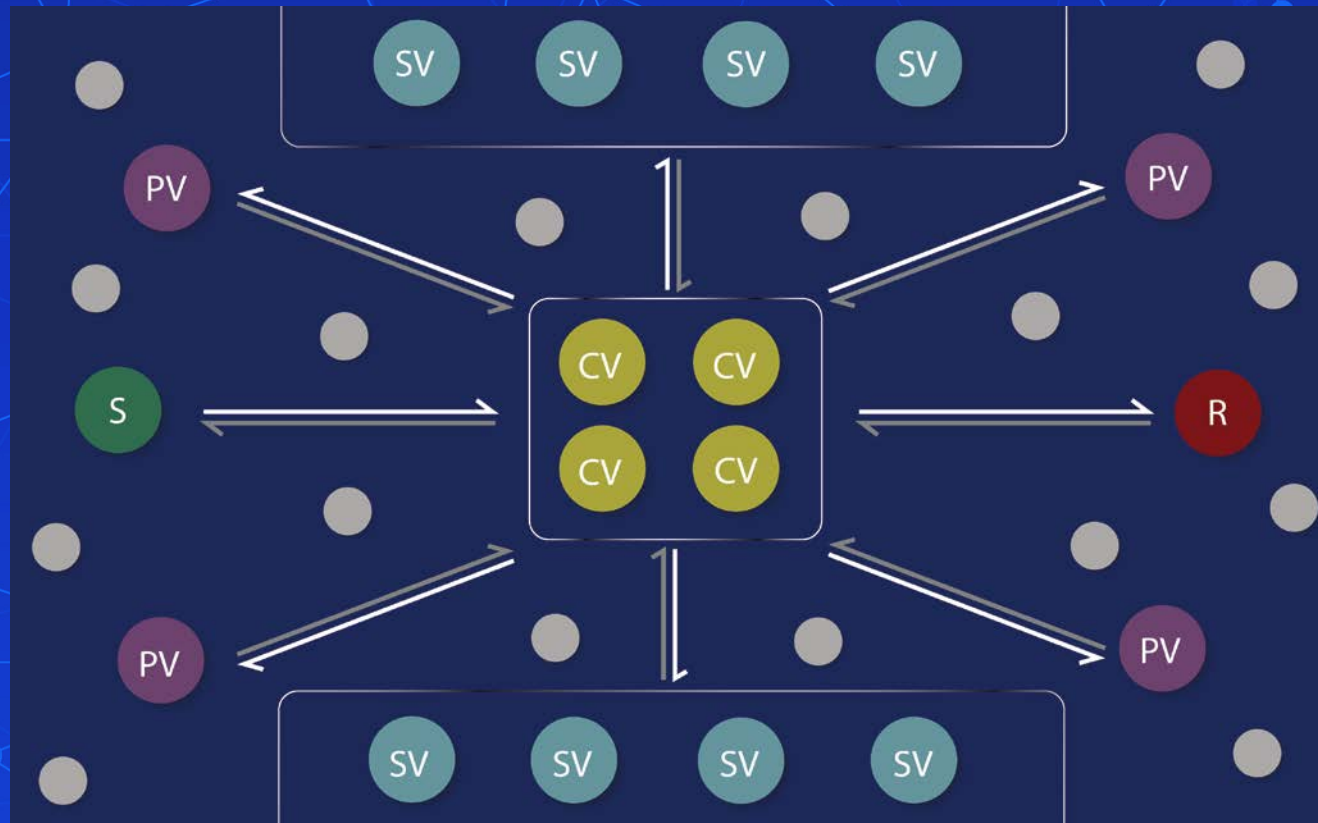
SPEED & SCALABILITY

- With a network of 5 million nodes Teller's maximum throughput is 1,900,000
- BlockChain+ can validate a transaction in 0.016 seconds
- All transactions happen in parallel



Privacy

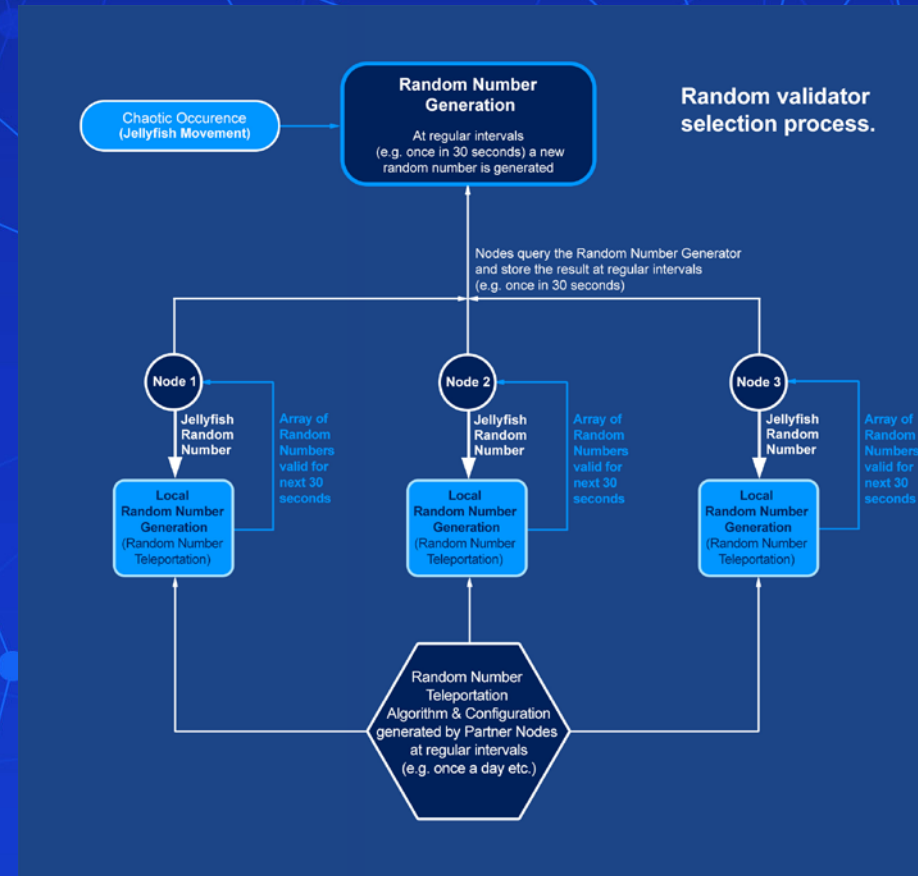
- There are 18 actors in a transaction; Sender (S), Validator(V), 4 Random validators (RV), 4 Previous validators (PV) and 8 Snapshot validators (SV).
- Multiple Validating nodes have varying portions of the sender/receiver ledger
- All validating nodes except PV are selected randomly



Validators Selection

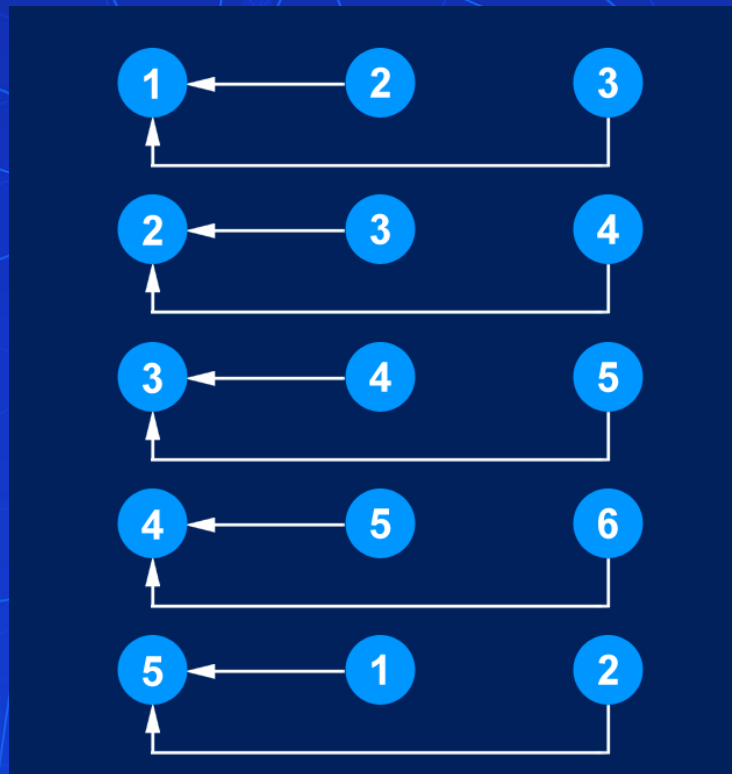
Teller taps into chaos theory to generate its random validators. Doing so results in:

- ✓ Maintaining the decentralized integrity of the system as no one entity can dictate who is part of the process.
- ✓ Since it is impossible to predict nature, it becomes impossible to determine which nodes will participate in a given transaction. This makes it impossible for anyone to hack into a transaction while it's occurring to falsify the datasets.
- ✓ Since the validators keep changing with transactions, it becomes impossible for someone to falsify their ledger.



Security Risks

- Teller limits single point of failure risk through data redundancy
- Teller has a limited 51% attack risk because of a known network of partner nodes
- As the Teller network grows the security concerns decrease exponentially
- Each partner node will provide redundancy to two other partner nodes:



Membership Criteria

- Our blockchain is a public chain where existing members vote to ratify new members
- There is a minimum hardware criteria and minimum internet speed requirement to join
- The amount of votes are distributed throughout the network based on four criteria

Technical Requirements	
RAM	8GB
Hard Disk	100GB
Internet Speed	4.0Mbps
Uptime requirement	99%

Voting Criteria	
Age	10%
Speed	15%
Stake	30%
Validation Availability	45%

BlockChain+ Team

Founders

Jeevan J. Singh
Chief Executive Officer



Jeevan is a consummate entrepreneur. Jeevan's most recent venture tugboat.cc was a unique hyper local printing marketplace with multiple Fortune 500 clients.

Gabor Levai
President and Chief Operations Officer



Gabor was the co-founder and COO of the largest private media company in Hungary. Their client list included top Fortune 500's like Coca Cola, BMW among many others.

Jaswinder Singh
Chief Technology Officer



Jas is a veteran engineer and has architected some of the largest E-Commerce applications in Canada. Jas has lead development teams for Canadian Tire, IBM & Presto.

BlockChain+ Team

Gabor Szokoli
Engineer



Gabor is a veteran engineer with over 10 years experience building and managing software for some of the world's top companies like Siemens and GE Healthcare.

Scott Donnelly
Engineer



Scott is an full stack engineer with over 3 years experience in developing software solutions for several clients.

Rajah Vijayarajah
Engineer



Rajah is full stack engineer with over 5 years architecting, developing and deploying a wide array of software solutions.

Laszlo Benedek
Art Director



Laszlo is an accomplished designer whose talents encompass all aspects of product development. He has worked with Fortune 500 companies throughout in his entire carrier.

Kundan Joshi
Advisor



Kundan is the founder of TheApplabb. Kundan has grown the company to over 150 employees worldwide and is one of the fastest growing software development companies in Toronto.

David Kiss
Advisor



David is a development veteran with deep expertise in building Fintech Products. David is currently leading RBC Reward's server-side development team.



Teller

Thank You!

The whitepaper, test results and product demo is available on request!

For further information contact:

Jeevan J. Singh
jeevan@blockchainplus.co
+1-416-309-8986
blockchainplus.co