# Let's build something *cool* & *useful* on the XRPL

Paris Blockchain Week Hackathon
April 5th-6th 2025
XRPL Commons

Commons

# Commons

**Our mission** is to create the **conditions of success** for **builders, entrepreneurs** and **developers**, to thrive in the **XRPL ecosystem.**

# A long time ago in a galaxy far, far away....

Topic: Bitcoin without mining (Read 13555 times)

**Bitcoin without mining**
May 27, 2011, 03:44:53 PM

#1

So I've been thinking...
mining seems like such an unfortunate side effect of the system since it is so wasteful. It will be a bit obscene how much will be spent mining if the network ever gets large. It would be cool to come up with a bitcoin that doesn't need miners.

There are several issues but I'll ignore how coins are distributed and focus on the central problem of creating some way to trust the central ledger*. Currently this is what mining solves. The network trusts the ledger with the most mining done on it. So now to trust bitcoin you have to trust that >50% of the current mining power is "good". And actually the way the network has evolved with pools we are actually trusting that every large pool operator is "good" since even if the pool isn't over 50% the operator could have non-pool mining going on bringing the total over 50% or two pools could collude to defraud the network etc. Also if say some government decides to wreck the network it wouldn't be that expensive for them to do so. (This is all discussed in other threads so no need to go into this here) My point is that although the current network uses mining as a way to solve the trust issue it really doesn't since you still must trust the large pool operators.

My idea is to make this issue of trust explicit.

Let's say a **node** has a public key that the client generates for them. There is no connection between this key and a wallet key. It just allows you to be sure you are talking to the node you think you are.

So when you run a node you choose which other nodes you trust. So you could say "I trust my 3 friends' nodes, Gavin's node, and these 5 businesses' nodes." This trust just means that you believe these people will never participate in a double spend attack or otherwise manipulate the ledger.
The ledger would basically be like the current bitcoin block chain but it would also have a list of what nodes believe the current ledger to be valid. <hash of current ledger signed by node's public key> (This list doesn't have to be complete. Nodes can just collect this list as needed. They could even just ask the nodes they trust if they think the current ledger is valid since those are the only ones they care about)

Transactions are still sent to all nodes connected to the network. There would be a network wide timestamp. Transactions would only be accepted if they were within a certain time period of the network timestamp. So you would need to wait maybe 10min before you could fully trust a given transaction. After this waiting period you could be sure those coins weren't double spent.

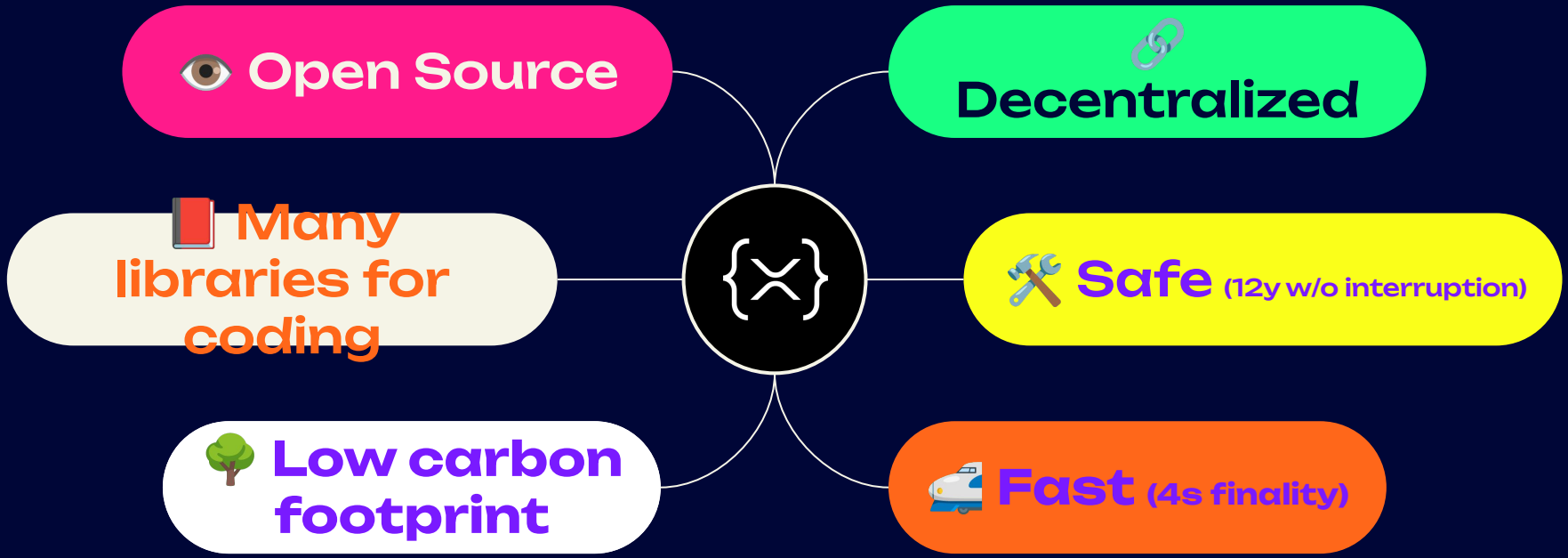
If a node ever encounters two conflicting ledgers it would just go with the one that was validated by more nodes that it trusts.

So there should always be a consensus among the trusted members of the network.

There would be a way to look up particular nodes in the network and ask them questions. (I'm imagining this whole thing running on Kademlia, a DHT)

Source: https://bitcointalk.org/index.php?topic=10193.0

# The XRP LEDGER



# The XPRL philosophy

- Business oriented
- Regulation first
- Fixed functions


Let's Build!

# Define *cool*

- ✓ Something **new**
- ✓ Something **that wasn't done before** – at least not in the XRPL world
- ✓ Something **technically challenging**
- ✓ Something **XRPLegant**
- ✓ Something **combining different ingredients from different worlds**

# Define *useful*

- ✓ Something that fixes an **actual problem**

  *The harder the problem, the more useful the solution*

  *Even better if you experienced this problem first hand.*

- ✓ Something you'd be a **customer of**

  *If you pay for it, it has to be useful*

# Agentic Frameworks

AI agents on XRPL for autonomous trading, decentralized governance, and blockchain-based content provenance.

- ➔ AI-driven autonomous agents interoperating on XRPL
- ➔ AI-powered governance and decentralized decision-making tools
- ➔ Blockchain-based provenance tracking for AI-generated content and transactions
- ➔ Agentic organizations specializing in trading

# Stablecoin & DeFi Tools for Businesses

XRPL-based stablecoin solutions for cross-border payments, DeFi, automation, and cross-chain interoperability for businesses.

- ➔ Cross-border payment tools using stablecoins on XRPL
- ➔ Solving the counterparty trust problem
- ➔ DeFi applications (lending, staking, automated payments)
- ➔ Automation tools
- ➔ Interoperability solutions between different chains using stablecoins as an anchor

# Crypto for Good

Blockchain and AI for financial inclusion, climate action, and transparent humanitarian aid.

- ➔ AI-driven credit scoring, micro-lending, and savings tools for the unbanked.
- ➔ Blockchain-powered climate data tracking, carbon credits, and decentralized energy solutions.
- ➔ Transparent, crypto-native fundraising and aid distribution systems.

# Submission requirements

- A link to your repository
- A short text presenting the main idea of your project
- A link to a video or screenshots showcasing your solution

# Amazing prizes for outstanding projects

First prize - €4,000

Second prize - €2,500

Third prize - €1,000

Bonus social impact prize - €2,500

# Our amazing team of mentors


**David Bchiri**

XRPL Commons


**Luc Bocahut**

XRPL Commons


**Odelia Torteman**

XRPL Commons


**Thomas Hussenet**

XRPL Commons


**Florian Alonso**

XRPL Commons


**Mathis Sergent**

XRPL Commons


**Shane Calder**

Merkle META


**Kenneth Kou**

Mercy Corps


**Jeanne Bloch**

Cosyal


**Panos Mekras**

Merkle META


**Nathan Hervier**

Cypherlab


**Djason Gadiou**

M'Bongo

# Agenda

## 1 Start Here: Introduction to XRPL & Ideas for Impact

- An introduction to XRPL, how to get started, create a wallet, and make your first transaction.
- Exploring how blockchain can benefit the greatest number of people.

Saturday 10:30 - 11:20

## 2 Advanced XRPL transactions and tools

- Overview of how an AI agent works and interaction with XRPL.
- Ask me anything about XRPL and overall support.

Saturday 14:30 - 15:20

# Resources

xrpl.at/pbw2025

# Hackathons are experiences
# to learn
# to break things
# to start your journey

commons

www