

# Let's build !

## HAKS Hackathon 2025

May 16th-18th 2025  
XRPL Commons



Commons



HAKS 2025





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



# We provide support to the XRPL community



Learn



Build



Adopt



Engage



Launch



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

Topic: Bitcoin without mining (Read 13555 times)

 **Bitcoin without mining** # 1  
May 27, 2011, 03:44:53 PM

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 {X} XRP LEDGER

**Open Source**

**Decentralized**

**Many  
libraries for  
coding**

**Safe** (12y w/o interruption)

**Low carbon  
footprint**

**Fast** (4s finality)

# The XPRL philosophy

**Business oriented**

**Fast and cost efficient**

**Fixed functions**





# Upcoming events

MAY  
26

## XRP Ledger Meetup in Dublin

Meetup

⌚ MAY 26, 2025

📍 DUBLIN, IRELAND

[Register now](#)



MAY  
27

## KRYPTOSPHERE Students In Tech Meetup

Meetup

⌚ MAY 27, 2025

📍 PARIS, FRANCE

[Register now](#)



# Some ground rules...

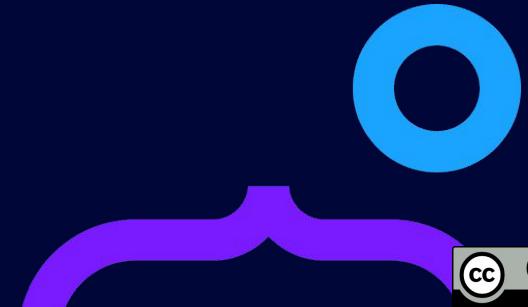
## Code of conduct

*We strictly prohibit and will not tolerate any form of harassing, discriminatory, or disrespectful behavior or interactions. All participants are expected to adhere to professional standards and to report any concerns or incidents to our virtual support desk or by emailing us.*



# About The House of Commons

- Treat it like your home - but only if you treat your home like ours :D
- Open **Saturday from 9AM to 10PM** and **Sunday from 10AM to 8PM**
- Ground floor is dedicated to you
- Calls and visio in the phone booths
- No food in meeting room area upstairs



# 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 firsthand.*



Something you'd be a **customer of**  
*If you pay for it, it has to be useful*



# AI & Blockchain

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

- Autonomous AI agents coordinating via the XRPL
- Decentralized decision-making powered by AI
- Blockchain-backed content traceability and authenticity
- Agent-driven trading and coordination mechanisms



# Crypto for Good

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

- Inclusive finance via mobile-accessible blockchain tools
- Traceable and transparent humanitarian aid systems
- Decentralized climate action and carbon tracking
- Verified supply chains for humanitarian goods and services



# Submission requirements



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





# Amazing prizes for outstanding projects

**First prize - €2,500**

**Second prize - €1,500**

**Third prize - €1,000**



# Our amazing team of mentors and volunteers



David Bchiri

XRPL Commons



Luc Bocahut

XRPL Commons



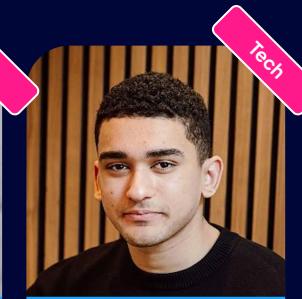
Thomas Hussenet

XRPL Commons



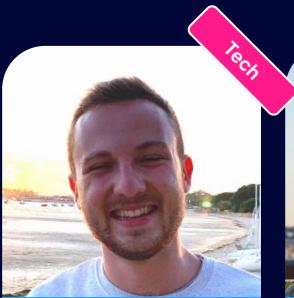
Florian Alonso

XRPL Commons



Mathis Sergent

XRPL Commons



Amaury Mongre.

XRPL Commons



Romain Thépaut

XRPL Commons

+ 9 amazing volunteers



# Agenda

1

## Introduction to XRPL

- An **introduction to XRPL**, how to get started, create a wallet, and make your first transaction.
- **Wallet connection**, transaction signing, NFT transfer

Saturday 10:00 - 11:00 AM

2

## Final submission

- **12:30 PM** : Code review.
- **2:30 PM** : You should have submitted your project.
- **3:00 PM** : It's time for the pitches to begin!

Sunday 12:30 - 6:00PM



## Resources



[xrpl.at/haks2025](http://xrpl.at/haks2025)

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

