



Gridcoin

Rewarding BOINC computation
CM

Personal History

- My first encounter with SETI/BOINC was witnessing the SETI screensaver running on my dad's computer when I was ~13.
- Got seriously into BOINC in early 2014, shortly after Gridcoin's release (late 2013); I ran a 6kWh cluster of 2nd hand servers & AMD GPUs.
- I began developing the Gridcoin website whilst working at HP:ES as an Infrastructure Test Analyst (during downtime).
- After leaving HP:ES, I began dedicating a significant amount of my time towards organizing the Gridcoin community and working

What's Gridcoin?

- Gridcoin is a cryptocurrency (similar to Bitcoin) which rewards BOINC computation (completed within team 'Gridcoin') in a decentralized manner.
- Aims to help offset BOINC electricity costs & improve user retention.
- Launched in Oct 2013 by Rob Halford.
- Initially utilized 'Script' Proof of Work consensus mechanism, switched to Proof of Stake in late 2015 due to arrival of ASICs.
- Achieved 1st place in FormulaBOINC 2016 and

How do you earn Gridcoin?

- Investor mode
 - Earn 1.5% APR on balance via staking blocks
- Solo cruncher
 - Requires an initial GRC investment.
 - Earn BOINC rewards without a middleman.
 - Rewards realized upon staking a block (GRC Balance influences staking frequency)
- Pool cruncher
 - No initial investment required.
 - Rewards distributed to crunchers by pool on a schedule.

Gridcoin's Future

- Removal of the mandatory team requirement.
- Re-architecting Gridcoin to improve:
 - Security, reliability & decentralization.
 - Scalability (Rewarding the entire BOINC community).
 - Reward calculation accuracy (comparing total credit instead of RAC).
 - Statistics gathering politeness (Preventing the accidental DDOS of small scale project servers in the future).
- See the [Gridcoin-Research github wiki](#) & issues for more info on plans & developments

Github BOINC issue #2087

- Introduction of a single 'user data' field to the profile
- New minimized xml gz stats file proposed (less intrusive to existing xml & reduces bandwidth strain on project servers).
- Improves ease of proving CPID ownership within external systems.
- Provides an opportunity for competition against the Gridcoin network. Competition inspires innovation, so the more BOINC tokens the better.

Where to find more about Gridcoin?

- Official website: www.Gridcoin.us
- Github:
 - /gridcoin/gridcoin-research/
 - /gridcoin-community/
- Community Links:
 - Steemit #boinc & #gridcoin
 - Reddit /r/boinc & /r/gridcoin
 - Cryptocurrencytalk.com (gridcoin sub-forum)
 - Slack, Telegram, Mumble, Discord : Linked on main website.
- Any questions?