

COZ Weekly Report #4 - 2017.07.31

COZ is a group of open source developers that formed to support NEO. We provide weekly reports that summarize our goals, projects, and progress. In exchange, the NEO council is supporting these contributions through NEO rewards.

Our governance can be seen at: <https://github.com/CityOfZion/governance>

The community has decided to reward 1,495 NEO for the efforts listed below

Releases:

Neon Wallet Alpha Release

(<https://github.com/CityOfZion/neon-wallet/blob/master/releases/alpha.md>)

COZ Community Website (<https://cityofzion.io>)

**alpha = not ready for critical usage, testing release.*

**beta = good for routine use, not as dependency for other projects.*

**release announcements will be done separated by project owners.*

Projects in early development (opportunities for collaboration):

- Youtube mirror of AntShares school videos with english subtitles - 5/8
(<https://www.youtube.com/playlist?list=PLH5FKiukNRU5SHWk9L6qPwRhMeHsiKL2T>)
- Neo-python (python port of neo platform) <https://github.com/CityOfZion/neo-python>
 - More setup info in readme, began adding unit testing for serialization/deserialization. Local/Remote Node asynchronous connections, network Message and payload protocol operational
- ERC20/223 examples and documentation
 - ERC20 token (Woolong) successfully deployed on testnet.
 - Tutorial in-development

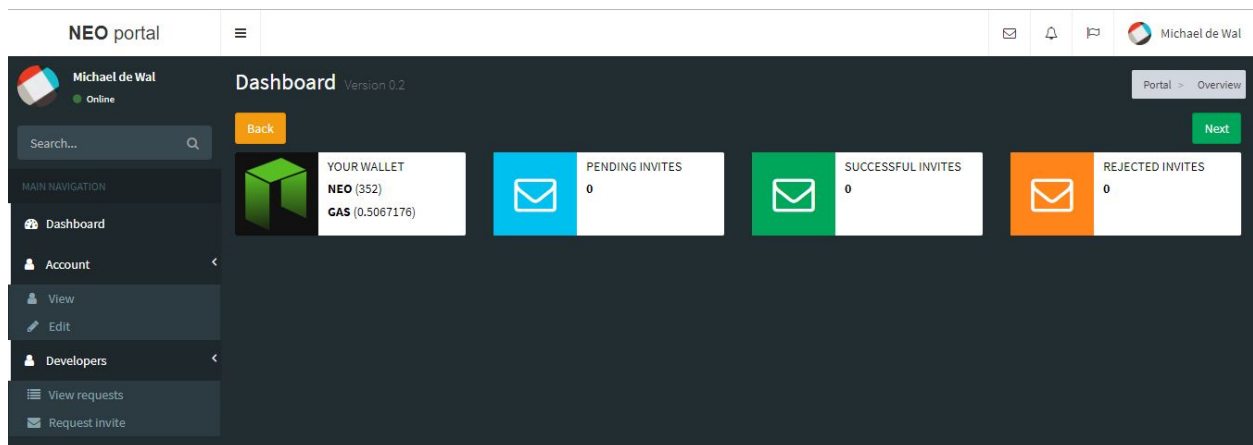
Campaigns:

Our Stack Exchange campaign is still ongoing. We need experienced SE site users (more than 200 site reputation) that want to be active in our community to commit to the proposal. You can find it here: <https://area51.stackexchange.com/proposals/110921/neo-blockchain>

Ecosystem:

- Slack Bot (<https://github.com/CityOfZion/neo-slack-bot>)
 - Added loads of new data to the bot to reflect the AMA and the FAQ

- Changed small functionality
 - Preparing for scripts
 - Moving bot to Neo-admin directory
- Discord Bot (<https://github.com/CityOfZion/neo-discord-bot>)
 - Added same functionality as Slack Bot
 - Created prototype bot with easy modules
- Neo-admin (<https://github.com/CityOfZion/neo-admin-portal>)
 - New functionality
 - Request invites
 - List invites
 - Admin can approve/reject invites
 - Implemented new roles
 - Account management
 - Added dashboard functionality
 - Breadcrumbs navigation
 - In progress
 - Bot management



- COZ website
 - Domain setup for cityofzion.io
 - Website setup and design work with links to COZ projects
- CoZ ongoing review process for community pull requests.

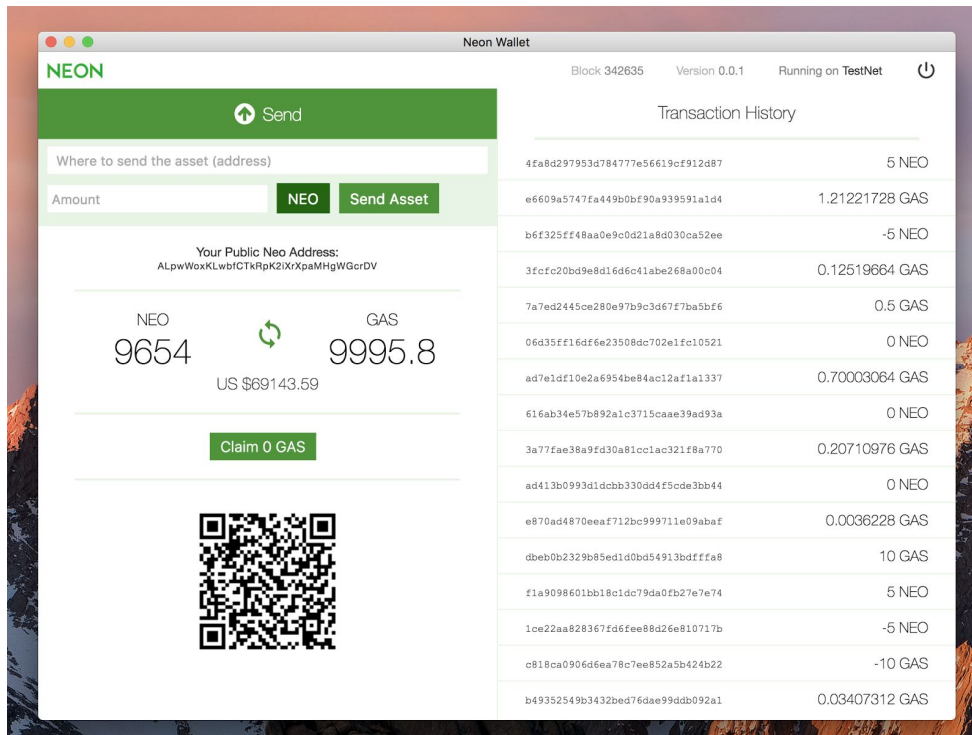
Documentation:

- Tutorials translated into English
- NeoContract Whitepaper translated into English
- Whitepaper 2.0 fully translated into Korean
- Tutorials translated into Korean
- NeoContract Whitepaper translated into Korean
- Whitepaper 2.0 fully translated into Japanese
- Tutorials translated into Japanese

- Updated governance documentation

Core:

- Security: ongoing project to audit core code and screen for security flaws and issues.
- Unit Testing: ongoing project, new classes added this week.
- COZ community Nodes:
 - Working MainNet and TestNet COZ nodes (seed[1-5], test[1-5])
 - Hardened nodes for running bot and neoscan (CH based datacenter)
 - Reverse proxy to DNSSEC and DDoS protect all the things behind cityofzion.io
- Neon Light Wallet API (<https://github.com/CityOfZion/neon-wallet-db>)
 - Node status monitoring for response time and block height
 - Dynamic node polling to stay in sync given fastest/highest node (critical for performance and Neon wallet)
 - Claim sysfee calculation (enables fully working claims on Neon)
 - Official api /v1 and REST routes
 - Set up domain at api.neonwallet.com, api.neonwallet.org
- Neon Wallet (<https://github.com/CityOfZion/neon-wallet>)
 - New wallet features
 - UI support for GAS claims
 - Validation and Error messages (e.g., “That is not a valid address”, “Not enough Neo to send”)
 - Setup build process and compile standalone apps for OSX, Windows, and Linux
 - Many other UI additions and bugfixes (tooltip support, copy key to clipboard, show current block height, ...)
 - Design
 - Logo and app icon
 - New, light UI skin



New feature support (including GAS claims!) and light skin on Neon wallet

- The Neon JS SDK (<https://github.com/CityOfZion/neon-js>) has seen continued work to support new API methods and more robust node communication
 - Rewrite API routes and tests to switch APIs from antchain.in to api.neonwallet.com
 - Across RPC methods, dynamically choose best node to communicate with for submitting transactions and claims
- CoZ Block explorer (<https://github.com/CityOfZion/NEOScan>) has been in continuous development. This week, a new API call for claimed transactions was set, along with a concurrent faster sync. Now, claimed transactions are pointed in the address page. Also, a new server has been set up and migration from heroku is on the way.
 - New API call for claimed transactions for an address.
 - Concurrent sync.
 - Project rebuilt in Phoenix 1.3 to follow the recent release.
 - New server setup.
 - Design Planning.
- Neo-mon (<https://github.com/CityOfZion/neo-mon>)
 - Website to display network statistics for Neo blockchain and APIs
 - Initial launch with node and peer monitoring
 - Live: <https://monitor.cityofzion.io>



Network status monitor for NEO blockchain