

COZ Weekly Report #2 - 2017.07.16

COZ is a group of open source developers that formed over the past weeks to support NEO. We have established channels with the core NEO team in China and provide them with weekly reports that summarize our goals, projects, and progress. In exchange, the NEO foundation is supporting these contributions through ANS rewards.

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

Notice: *This week, we will be migrating the AntShares community portals (Slack, Reddit, Facebook, and Twitter) to their NEO equivalents. Community instructions detailing this migration will be available shortly in Slack and on the subreddit. The Trello board will not require a migration.*

The community has decided to reward 1856 ANS for the efforts listed below

Projects in early development (opportunities for collaboration):

- Unit testing on NEO core (<https://github.com/CityOfZion/neo>)
- Youtube mirror of AntShares school videos with english subtitles (<https://www.youtube.com/playlist?list=PLH5FKiukNRU5SHWk9L6qPwRhMeHsiKL2T>)
- Neo-python (python SDK for neo platform) <https://github.com/CityOfZion/neo-python>
- Smart Contracts documentation (<https://github.com/CityOfZion/docs/tree/master/en-us/sc>)

Campaigns:

Stack Exchange (<https://area51.stackexchange.com/proposals/110921/neo-blockchain>):

- We are the second fastest community to pass the definition phase in the SE process (a big shout out to our developer community!). We now are in the commit phase and *need experienced Stack Exchange users to commit* to the proposal.



Click [here](#) to participate in our SE proposal!

- We will be distributing 20 ANS to the winners of our campaign during this week. You can learn more by reading [our Reddit post](#).

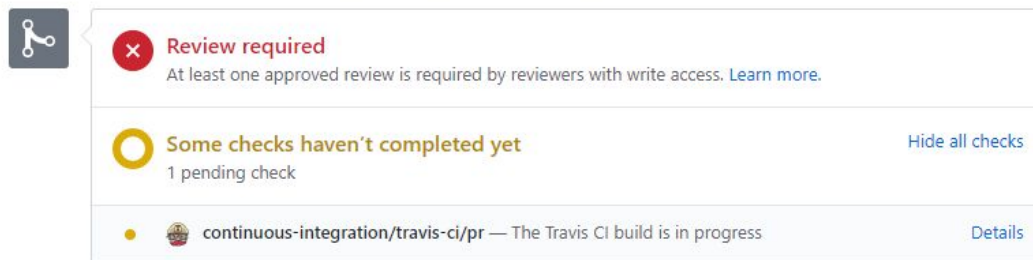
Ecosystem:

- Alignment of social media outlets and preparation for moving to the new handles for the NEO community portals
- NEO (COZ) recruitment and selection process.
- NEO - Slackbot: a question-answering bot to make support super responsive!
- CoZ review process: we are consolidating our review process and with new plans for after the full rebrand (stay tuned).

Core:

- Continuous integration infrastructure:
Security is arguably the most important feature for blockchain projects. Over the past weeks we have been doing security review and adding unit tests to core code. These tests have allowed us to add a CI workflow for NEO on OSX and Linux, and now every contribution must pass the tests before being accepted. We will add windows operating system support during the next week.

Add more commits by pushing to the `osx_ci_fix` branch on `canesin/neo`.



Example integration of a pull request with CI infrastructure

- PolyLanguage comment support in code-base: the code-base now has multilingual comments on code.

```

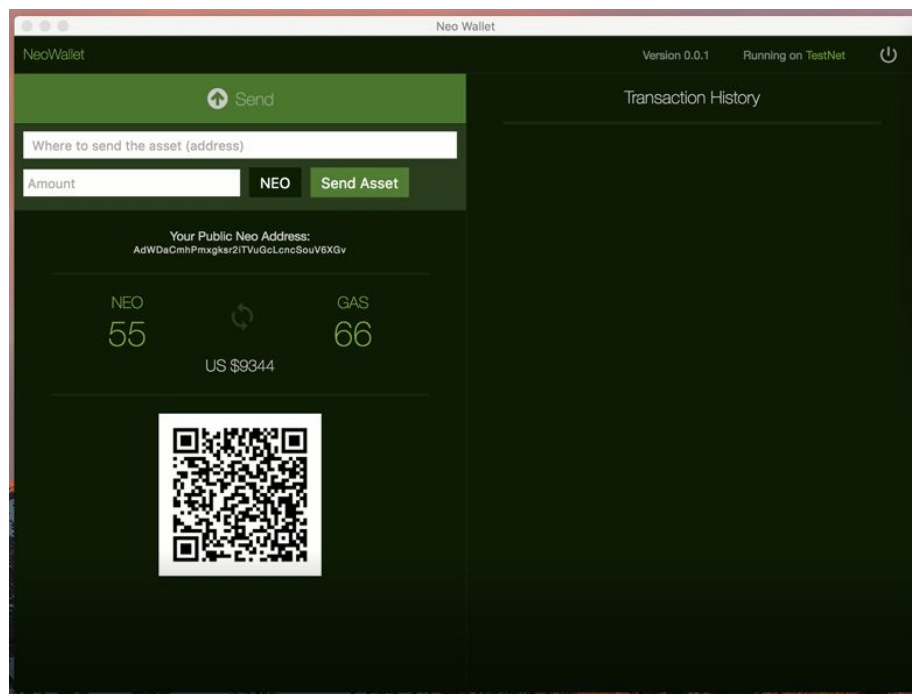
namespace AntShares.Properties {
    using System;

    /// <summary>
    /// <en>
    ///     A strongly-typed resource class, for looking up localized strings, etc.
    /// </en>
    /// <zh-CN>
    ///     强类型的资源类，用于查找本地化字符串等
    /// </zh-CN>
    /// <es>
    ///     Una clase de recurso fuertemente mecanografiada, para buscar cadenas localizadas, etc.
    /// </es>
    /// </summary>

```

Code comments in English and Chinese

- Electron wallet (<https://github.com/CityOfZion/neo-electron-wallet>)

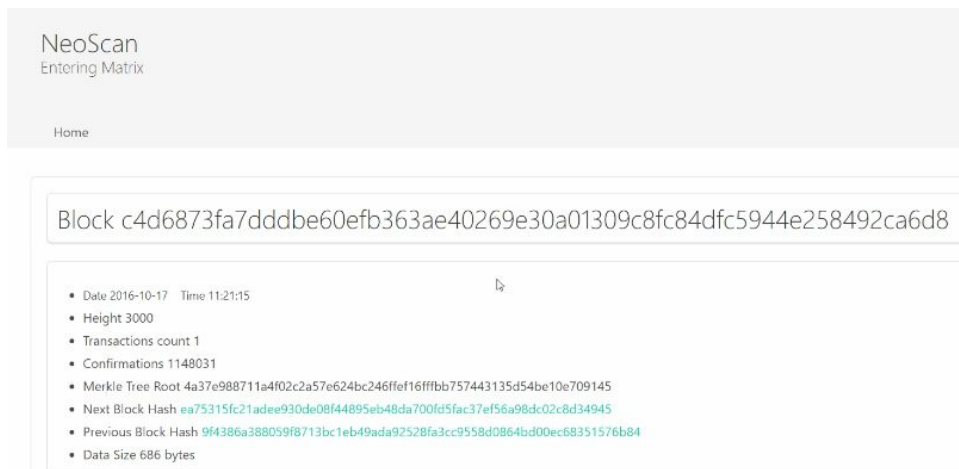


The electron wallet main dashboard

See video in: <https://vimeo.com/225851631>

- Working cross-platform desktop app including OSX (see video)
- New wallet features
 - Key and paper wallet generation
 - Balance check for Neo and Gas
 - Transactions for Neo and Gas
 - Support MainNet and TestNet (through toggle)
 - Transaction address verification
- Design work:

- Single-page design inspired by Jaxx (see video)
 - <https://github.com/CityOfZion/neo-electron-wallet/tree/jaxx-skin>
 - Also, alternative community design inspired by metamask (@nick)
 - <https://github.com/CityOfZion/neo-electron-wallet/tree/metamask-skin>
- The JS SDK (<https://github.com/CityOfZion/neo-js-sdk>) has seen continued work in association with the electron wallet.
 - New high-level network API layer, documentation, and tests for each network method (now in use by electron wallet)
- New block explorer NEOScan (<https://github.com/CityOfZion/NEOScan>), we are developing a new open source high performance block explorer to provide APIs for the development of light wallets and other projects.



Using Neoscan to look up a block

See video at: <https://vimeo.com/225852825>

- Concurrent Elixir & Phoenix umbrella environment set
 - Database design and implementation
 - Primary functions and design set
 - Fast blockchain search set
 - Next chapters: Address history and asset holdings, API, market values
- Improvements to CLI/RPC Server (<https://github.com/CityOfZion/neo-cli/>)
 - Adding claim and check coin functionality to RPC Endpoint