



NEO3 CORE DEVELOPMENT

NEO

- Further improvements to dBFT 2.0
- Drastically improved the TCP protocol by adding compression, optimization, and reduction of some messages
- Completed the manifest and permission system implementation
- Modified the pricing model
- Added and improved unit tests
- Removed UTXO
- Added native contracts for NEO, GAS, and voting policies

NEO-CLI

- Support for running NEO3 preview
- Added ability for neo-cli to install a plugin from a .zip file without any need to download additional software
- Various bug fixes

NEO-DEVPACK-DOTNET

- Implemented changes to prepare the compiler for NEO3
- Increased unit tests

NEO-PLUGINS

- Adjustments to plugins for NEO3
- Various bug fixes

NEO-VM

- Made necessary changes to prepare the virtual machine for NEO3
- Added and improved unit tests
- Optimized the behavior of the virtual machine
- Added necessary opcodes for the static variables implementation
- Fixed a bug that in some cases allowed the GetCallingScriptHash function to return an incorrect value



NEO 2.X CORE DEVELOPMENT

NEO

- Released 2.10.2 with dBFT 2.0 and NEO-VM tested to be compatible with MainNet

NEO-VM

- Fixed a bug that was producing discrepancies with the storages between versions

NEO-CLI

- Fixed installing and uninstalling plugins
- Adjusted seeds in protocol.json
- Minor misc bug fixes

NEO-PLUGINS

- Minor fix on storage state dumper parameter HeightToStartRealTimeSyncing
- Fixed end height for CoreMetrics plugin
- Fixed output json for multisigaddress transaction for RpcWallet

Development efforts are focused on NEO3. The NEO 2.x branches are only being updated for necessary bug fixes.



NGD SHANGHAI PROGRESS

DEVELOPMENT PROGRESS

- Tested neo-cli 2.10.2 .
- Upgraded TestNet to v2.10.2, released new docs and updated the dBFT whitepaper.
- Improved the reliability of NEO MainNet, fixed bugs #138 and #505 on GitHub.
- Voted MatPool as a consensus node on TestNet .
- Made progress on iterative testing of NEO3.
- Optimized the design of NeoID platform & whitepaper demo.
- Completed the mapping of QLC Chain's NEP-5 assets to its MainNet (Go-QLC).
- Provided technical support to Arkine wallet management platform for supporting the NEO token.
- Provided technical support to the Horse Saga game.
- Maintained the neo.org website, added Github verification functionality, and added a direct application for developers to claim TestNet NEO or GAS.



NGD SEATTLE PROGRESS

- Harry Pierson, the founding PM of IronPython for .NET and of xLang, joins NGD Seattle after a 20+ year career of engineering experience at Microsoft in Redmond, WA.
- Preview of the F5 Developer Experience for NEO was demoed at Consensus 2019 in New York.



NGD SHANGHAI EVENTS

MAY

8

Lili Zhao, EG director in Switzerland, delivered a speech at the Euro Forum held by Bank-IT. (Zurich)

MAY

11

Evan Hong, NGD Korea regional manager, and Steven Liu, NEO Foundation technologist, presented at Korea University. (Korea)

MAY

12

Song Ping, NGD marketing associate manager, delivered a speech at the GF-Defi Ecological Project Conference. (Shanghai)

MAY

13-15

Da Hongfei, NEO founder and NGD CEO, Sergei Liubich, co-founder and managing partner of NEO SPCC, Lin Pengtao, co-designer of NeoID, John deVadoss, head of NGD Seattle, and Wang Longfei, NGD blockchain development engineer, all gave presentations the Consensus 2019 conference. (New York)

MAY

18

Evan Hong, EG senior manager, delivered a keynote speech at Jeju Block best practices at Jeju Shinhua World. (Korea)

MAY

25

Sharlyne Lee, NGD senior marketing manager, gave a speech at the second NEO JOY meetup. (Shanghai)

MAY

31

Lili Zhao, EG director in Switzerland, participated in a roundtable forum on the future of crypto assets upon invitation by the Swiss National Bank. (Zurich)



COMMUNITY DEVELOPMENT

NEO SAINT PETERSBURG COMPETENCE CENTER



- Presented demo at Consensus 2019.
- Implementation of data migration and replication services.
- New object storage format and its API representation.
- Data Audit implementation.
- Research on the accounting of nodes' storage capacity for data placement.
- Monitoring: Prometheus and Grafana for NeoFS metrics.
- dBFT 2.0 implementation in Golang for NeoFS.

NEWECONOLABS



- Began development of the second version of NNS DEX.
- Developed a token currency exchange agreement contract. Released the Chrome plugin wallet v1.2.0.
- Added features such as domain name search, domain name reverse resolution display, and display for transactions in the mempool to the NEL browser.

COZ



- Neon Wallet: Added an RSS feed of NEO News Today; Design and development of offline signing / multisig signing.
- Neo-python: Plugins and comparison tools made for both neo-cli and neo-python to allow more extensive auditing; Fixed memory leaks; Updated VM from 2.4.1 to 2.4.3.
- Neo-debugger-tools: Added autogeneration of test files, hotkeys for basic debugging operations; Implementation of single-step debugging; Disassembly of AVM into opcodes; Refactoring.
- Neo-scan: Improved logging; Fixed bug in sync process; Added error handling for getapplicationlog; New docker config.
- Neon-js: Added support for additional transaction types.

NEO-ONE



- Expanded native external wallet integration support and began implementation of dAPI.
- Added support for Hierarchical Deterministic Wallets.
- Made progress on fixes for the node inconsistencies between the NEO-ONE and C# implementations of the NEO-VM.

NEORESEARCH



- Implemented the first version of a NEO C++ Compiler.
- Improved NeoCompiler Eco with more flexible replay scripts and a more automatic behavior.
- Adjusted the Yellow Paper in order to be merged to the official NEO specification.
- Investigated new research directions for the dBFT and improved current proofs.

NEXT



- NEOLine plugin wallet: Refactored dAPI with NEP specification; added night mode in UI.
- Blolys browser: Optimized data response structures, upgraded nodes to ensure data accuracy, and completed block data parsing.
- Token: Optimized the transaction process, reinforced the network request mechanism; expanded the server, and reduced load times.
- Likeme App: Products have entered the stage of comprehensive iterative updates, major adjustments and changes for UI.
- Conducted two online sharing sessions and launched an online class to enable new NEXT community members to learn more about NEO.

NEOW3J



- Ongoing implementation of the wallet convenience layer and smart contract deployment.
- Pull requests about bugs and features were received, reviewed, and merged to master.
- New releases: version 1.0.10 and 1.0.11.
- Created the documentation repository neow3j-docs.
- Increased testing coverage.



COMMUNITY

SOCIAL MEDIA



Twitter
321,691



Facebook
30,623



Reddit
97,598



Discord
24,900



Medium
2,348



YouTube
3,597



WeChat
16,774



Weibo
8,313



LIQUIDITY

TOTAL EXCHANGES LISTING NEO: 72

NEW EXCHANGES LISTING NEO:
UPEX



RECRUITMENT

NGD Shanghai Tech Lead
Associate Manager, Ecosystem Growth
Senior Coordinator Talent Acquisition
Specialist Overseas Media Relations
Content Editor
Quality Assurance Engineer
Blockchain Integration Engineer
Blockchain SPCC, Lin Pengtao

Interested candidates should send a resume to career@neo.org

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