



Supporting free speech.

Namecoin

Namecoin is an experimental open-source technology which improves decentralization, security, censorship resistance, privacy, and speed of certain components of the Internet infrastructure such as DNS and identities.

(For the technically minded, Namecoin is a key/value pair registration and transfer system based on the Bitcoin technology.)

Bitcoin frees money – Namecoin frees DNS, identities, and other technologies.

What can Namecoin be used for?

- Protect free-speech rights online by making the web more resistant to censorship.
- Attach identity information such as GPG and OTR keys and email, Bitcoin, and Bitmessage addresses to an identity of your choice.
- Human-meaningful Tor .onion domains.
- Decentralized TLS (HTTPS) certificate validation, backed by blockchain consensus.
- Access websites using the .bit top-level domain.

• Transact the digital currency namecoins (NMC).

- Like bitcoins, Namecoin names are difficult to censor or seize.
- Lookups do not generate network traffic (improves privacy).

Namecoin was the first fork of [Bitcoin](#) and still is one of the most innovative “altcoins”. It was first to implement [merged mining](#) and a [decentralized DNS](#). **Namecoin** was also the first solution to [Zooko’s Triangle](#), the long-standing problem of producing a naming system that is simultaneously secure, decentralized, and human-meaningful.

More Information

- [Namecoin Identities](#)
- [.bit DNS](#)

News

([RSS Feed](#))

[ncp11 Nightly Builds Now Available](#)

2022-11-30 More work has been done with pkcs11mod and ncp11.

[Read more...](#)

[Introducing Namecoin’s New Intern, Robert Nganga](#)

2022-11-29 *Hey everyone, Jeremy here. We’re happy to announce that Namecoin has accepted an intern via [Outreachy](#) (we are participating under the Tor Project umbrella). Robert Nganga will be funded to work on a new project that I think both the Namecoin and Tor communities will find exciting. Huge thanks are due to Tor Project for taking us under their wing for this internship. I don’t want to steal his thunder any more than I*

[Read more...](#)

Anonymity Improvements in Electrum-NMC v4.0.6

2022-10-28 Electrum-NMC v4.0.6 (soon to be released) brings some long-awaited anonymity improvements.

[Read more...](#)

Changes to name_show in Electrum-NMC Protocol v1.4.3

2022-10-28 In my 36C3 presentation (seems so long ago...), I mentioned some future changes I wanted to make to the Electrum-NMC protocol. Some of these changes have recently been implemented:

[Read more...](#)

winsvcwrap: Open source replacement for SRVANY in Golang

2022-10-06 Unlike *nix platforms, system services on Windows must be specifically designed to run as services, and written against the Win32 Service APIs. This creates a problem when it is desired to run a program as a Windows system service which was not designed to function in this role.

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Hacktoberfest 2022

2022-10-05 Namecoin is participating in [Hacktoberfest 2022](#). If you're interested in contributing to Namecoin, Hacktoberfest is a great chance to start (and maybe win a t-shirt).

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[Read more...](#)

pkcs11mod progress: Windows, macOS, certutil support, and more!

2022-06-13 Lots of things have been done with pkcs11mod since my [last post](#) on the subject. This is going to be a bit of a “grab bag” post without much structure (because that’s what reality looks like here, and this post is intended to reflect reality).

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Electrum-NMC v4.0.0b1 fixes CVE-2022-31246

2022-06-08 Electrum-NMC v4.0.0b0 and earlier are affected by [CVE-2022-31246](#) / [GHSA-4fh4-hx35-r355](#) (the vulnerability is inherited from upstream Electrum). Electrum-NMC v4.0.0b1 and ncdns for Windows v0.3.1 contain the fix. Tor Browser Nightly was not vulnerable. We would like to thank [Unciphered](#) and [Immunefi](#) for reporting the vulnerability and coordinating the disclosure with us, and upstream Electrum for implementing the fix.

ncdns v0.3.1 Released

2022-06-04 We’ve released ncdns v0.3.1. This Windows-only release includes important improvements to memory safety and UX; we recommend that all Windows users upgrade.

[Read more...](#)

Earlier news

For the latest news go to the [Namecoin forum](#) or check out [r/namecoin](#).

Help keep us **strong**. [You can donate to the Namecoin project here.](#)

Participate

With **Namecoin** you can make a difference. We need your **help to free information**, especially in documentation, marketing, and [coding](#). You are welcome at the [forum](#). There may be [bounties](#), too.

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