

NEOSENSE

—— Blockchain licensing solutions ——

Introduction Paper

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The Team

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Neosense.org

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Meet the NEOSENSE team



Joey Kheireddine

Lead-developer

I'm a blockchain enthusiast from the first minute. I breath blockchain and this is the first project i got to be on board with. I've built the web-interface for NEOSENSE and developed the virtual environments during this project. I also had a managing role within the team.



Dean van Dugteren

Founder and Full-stack Developer at Vidiato and Click.DJ. Developer for Blockchain innovation.

As a blockchain enthusiast I'm currently speaking for City of Zion, the developers community of NEO. Besides working on various Blockchain project's I'm also the original inventor of NEOSENSE. At NEOSENSE i'm Chief of Smart Contracts and I manage the team to make sure everything runs smoothly.



Thomas Lobker

Senior Network Architect and Blockchain Enthusiast

As a senior network specialist I'm working with networks, server management, security and monitoring on a daily basis, because of that I do feel comfortable open-source environments. Besides working with networks, i have lots of knowledge of various programming languages. At NEOSENSE i'm a programmer and support engineer for our NEO nodes.



Benjamin de Bos

Owner at ITS-Vision, developer at City of Zion and Blockchain Enthusiast

Friend, Programmer, Developer, Marketeer, CEO, Student, Engineer, Teacher, Entrepreneur, Artist, Enjoyer, Optimist, Inspirator, Thinkabouter. Within the NEOSENSE team i have various roles. Making sure systems run smooth, community support, programming and mental support for the full team.

NEOSENSE Introduction

Since the beginning of software development, music distribution, ticket sales and other various types of licensing situations there have been problems. Problems varying from ownership transfer till black-market problems where the price of a product rises to extreme heights.

Software developers, musicians and event organizers spend a lot of time creating things that make a difference. But once a record is bought, a license key is used or ticket leaves the “printing machine” the original author loses control over where the information is stored or used.

It’s our mission to make sure product owners get control over their licensing, without the hassle of maintaining expensive licensing network nodes. NEOSENSE aims to become market-leading in licensing solutions using the power of the NEO Blockchain.



Key-features

NEOSENSE is currently not focussed to a specific product. Because we believe that licensing in any form is possible through NEOSENSE, as long as you can connect a product id to it.

NEOSENSE is currently fully capable of generating new licenses, deleting and transferring licenses. Using the various NEO libraries this can be used in Music DRM systems, Software systems and as ticket ID's.

All the actions are currently working on the NEO Blockchain and fully functional. NEOSENSE works from a basic web interface that communicates directly with the NEO Blockchain.

All packaged in a React application which can be ran from every location and can be accessed by every modern browser that is capable of running Javascript

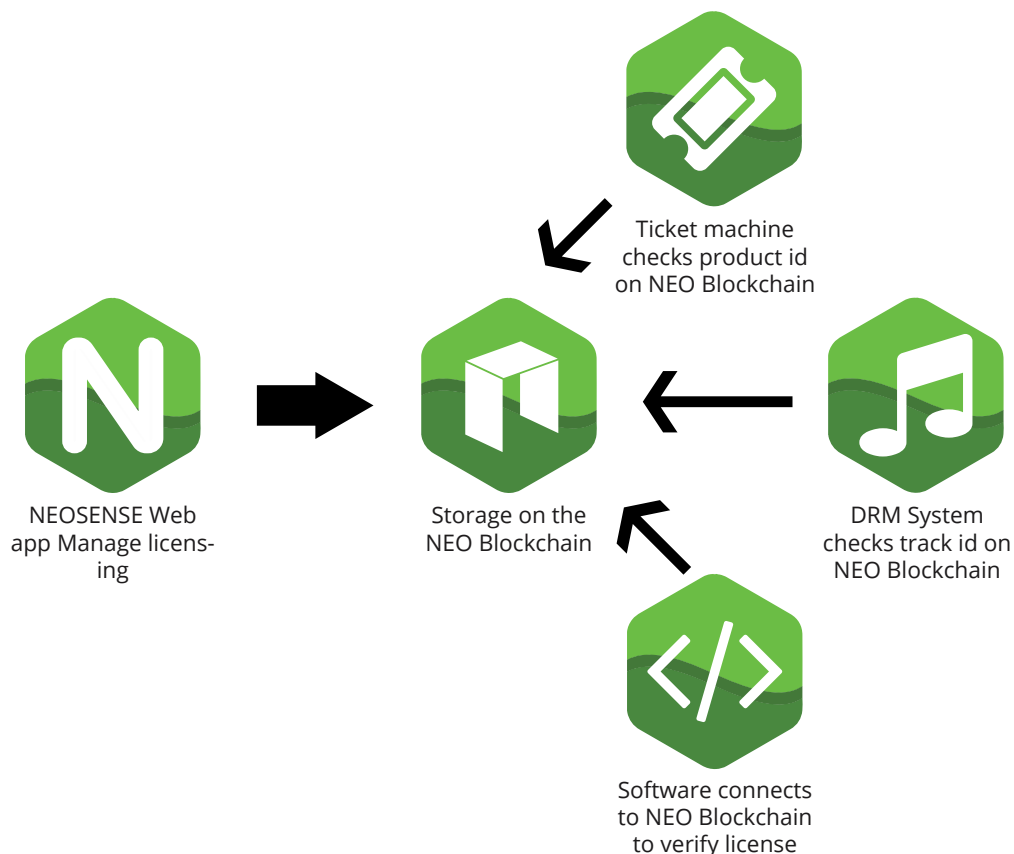


Illustration: Systematics of connecting to the blockchain

Future features

Since the current NEOSENSE product is at entry level there is room for expansion. A couple of product features are developed but did not make it in this iteration.

Paid licensing

License owner can set a price for a license using a system asset that is predefined by the license owner. This way everyone can get a license by simply depositing NEO or GAS to the owner's address.

Auto-revoking licensing

A big future development is that we're planning on auto-revoking licenses. For example: licenses that can expire after 30 days. In this way the product owner is able to create short-term licenses. For example: A track that can only be listened to for 30 days, just for the sake of promotion. This can be combined with paid licensing or free licensing.

License listing

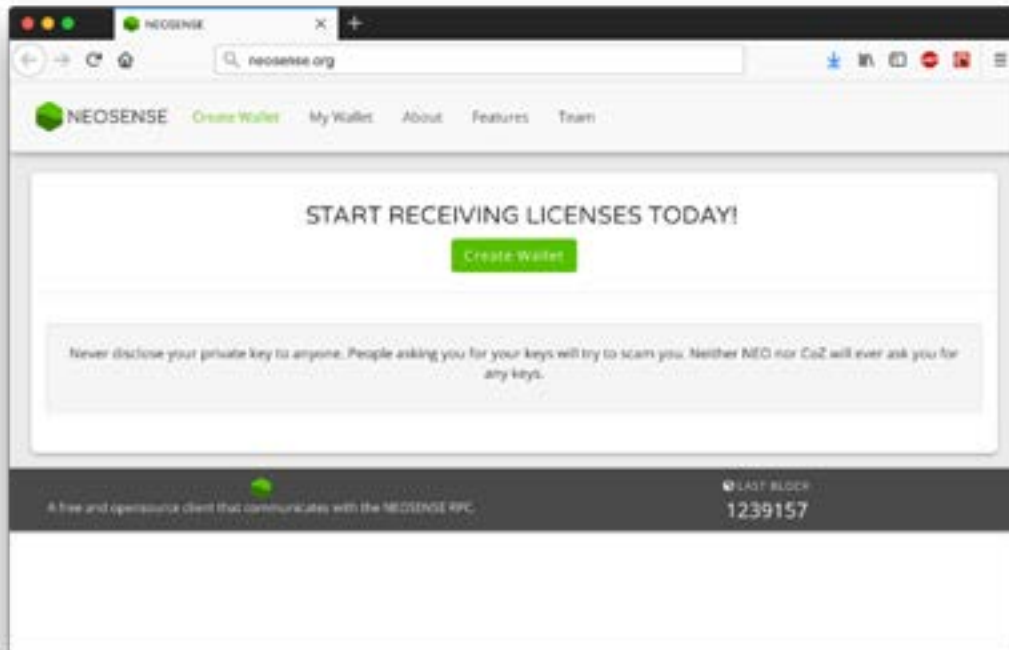
The last feature we'd like to add to NEOSENSE is listing all licenses for a specific user. This way there could be a history of what licenses the user has had.

Community features

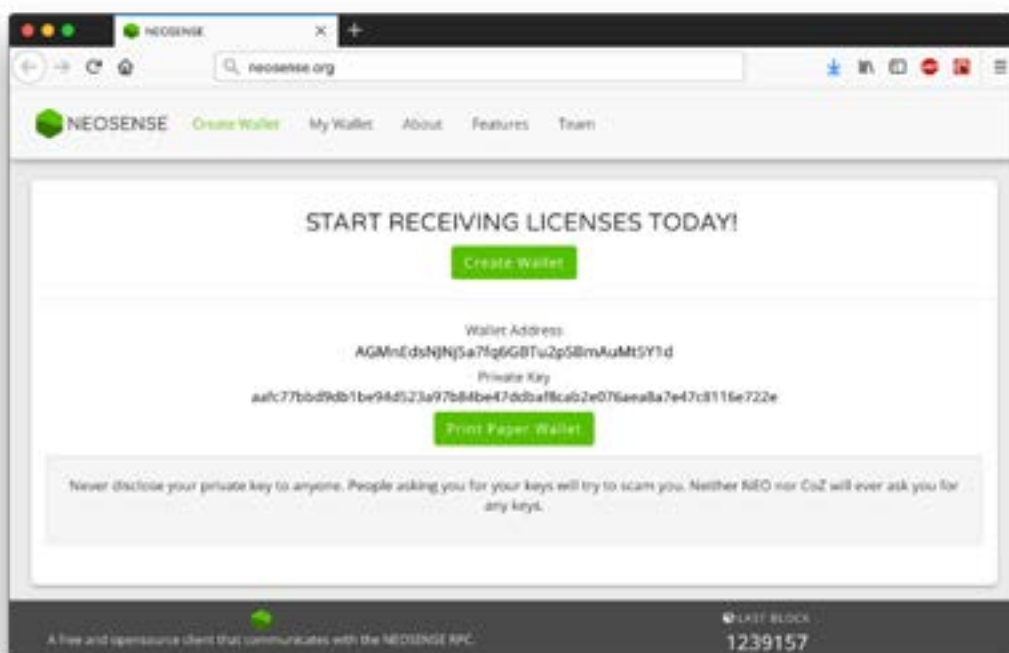
We <3 communities. In the future when NEOSENSE will be deployed to the mainnet of NEO, we'd like to introduce a Customer Advisory System. Which allows our customers to operate an advisory organ within the NEOSENSE organisation.

Creating a license wallet

NEOSENSE is super easy to use. Just go to neosense.org and open click on create wallet:

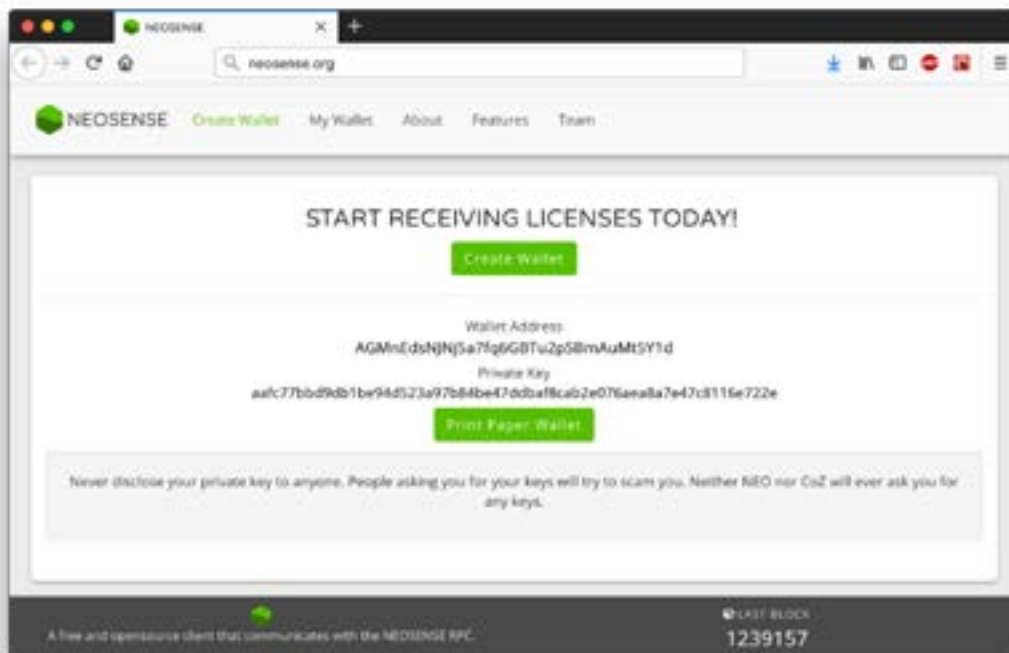


You will receive your license wallet key. Make sure to write this down! This will give you access to all your licenses later on!



Keep your license wallet secure

Your NEOSENSE wallet is important, you won't be able to recreate this when you lose it. That's why we've created a paperwallet system.

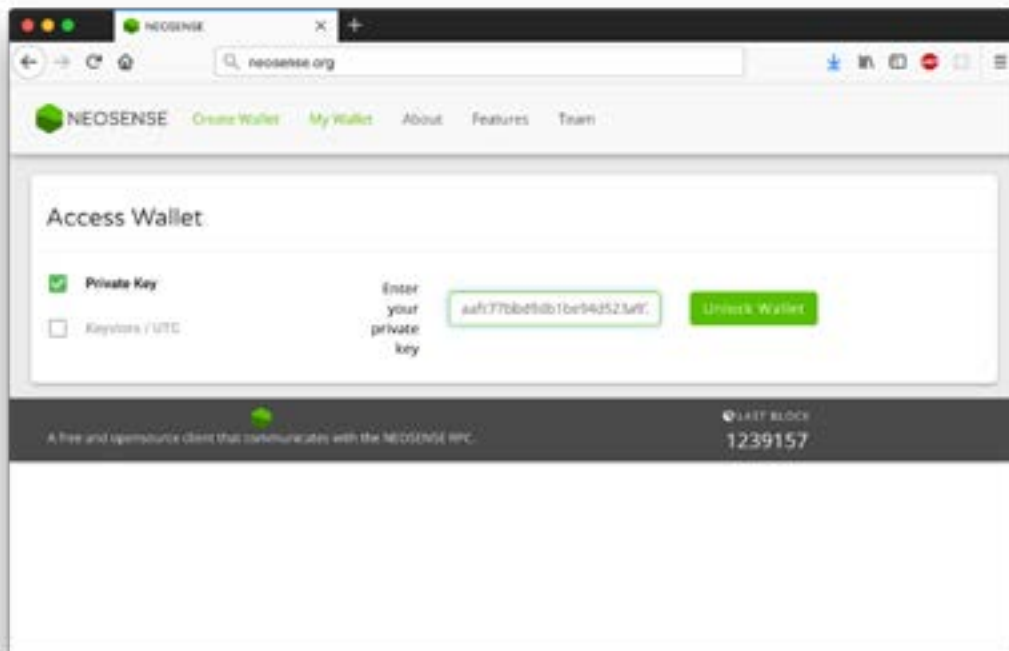


Click on Print Paper Wallet, this way you'll be able to always remember your licensing information.

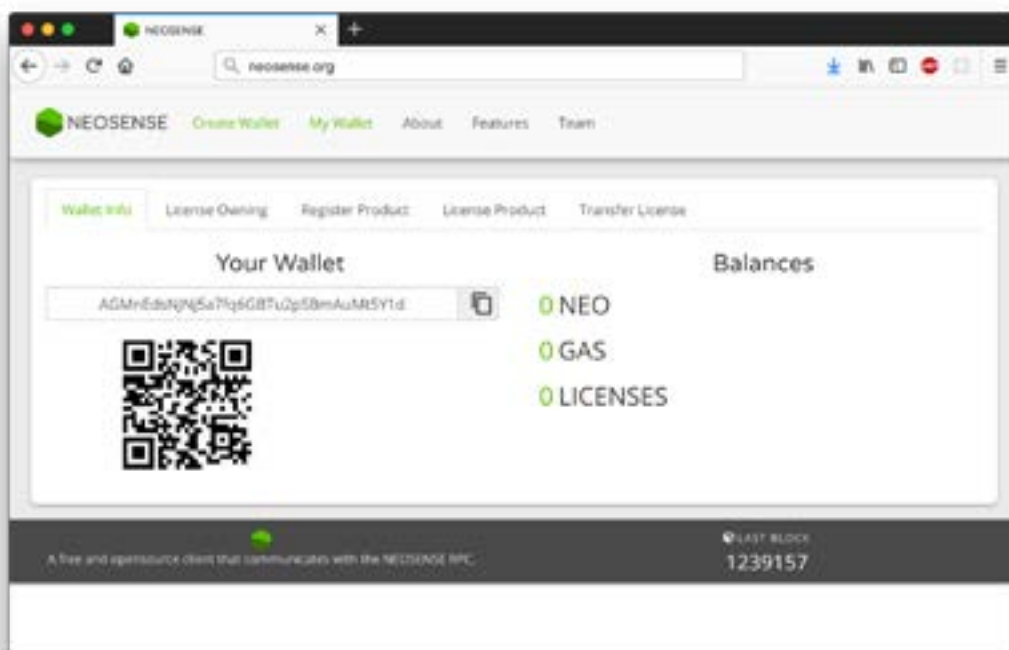


Log into your license wallet

To login into your license wallet, click on my wallet and enter the address you got when creating your license wallet and click on Unlock wallet

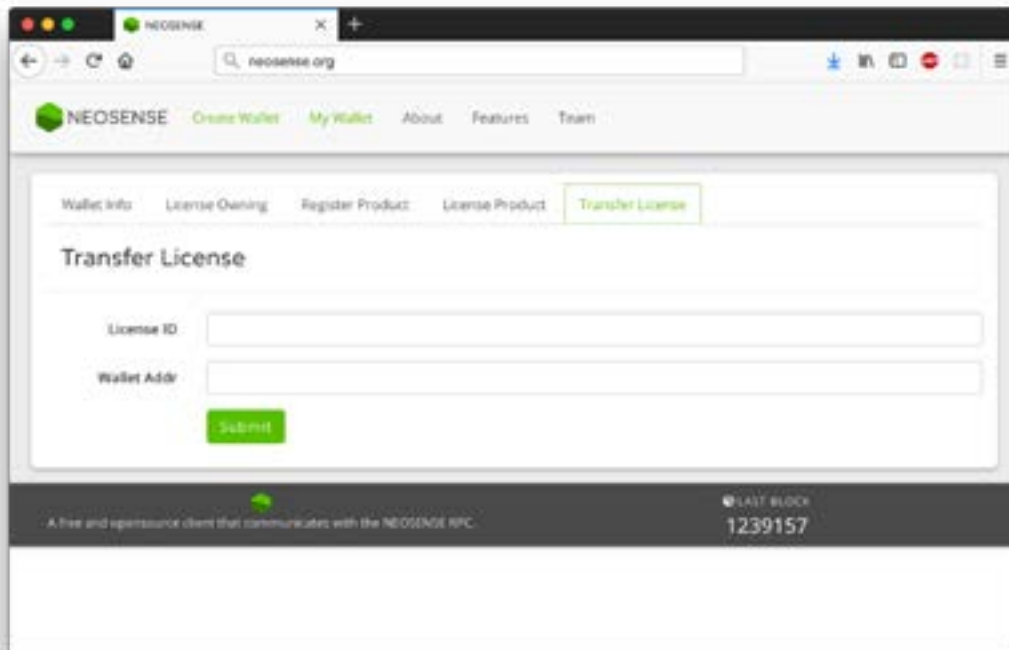


You will directly see your NEO/GAS Balance and your licenses. You can also see your wallet address and a NEP-9 QR code.



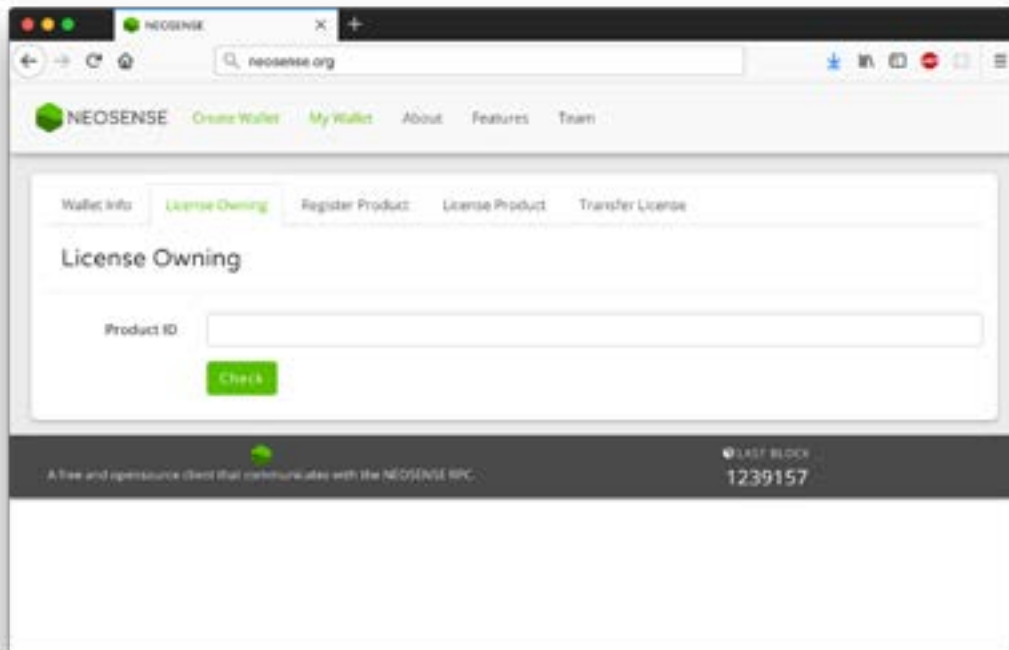
Keeping your wallet secure

NEOSENSE can also transfer a license from the current wallet to another wallet. This can be used to transfer the ownership of, for example, your concert ticket to a friend who bought it. To do so, simply click Transfer License and follow the steps on screen.



Check for license ownership

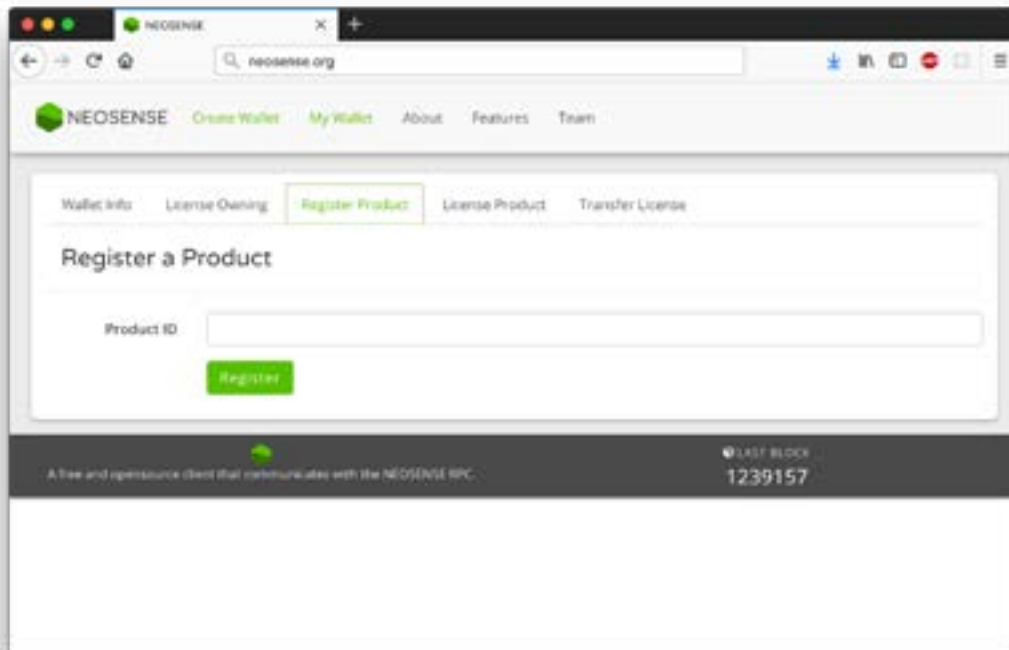
To view if a product id currently is licensed to your wallet currently owns, click on “License owning”. Enter the product ID and click on check.



NEOSENSE will now check which licenses are available to you and will display these.

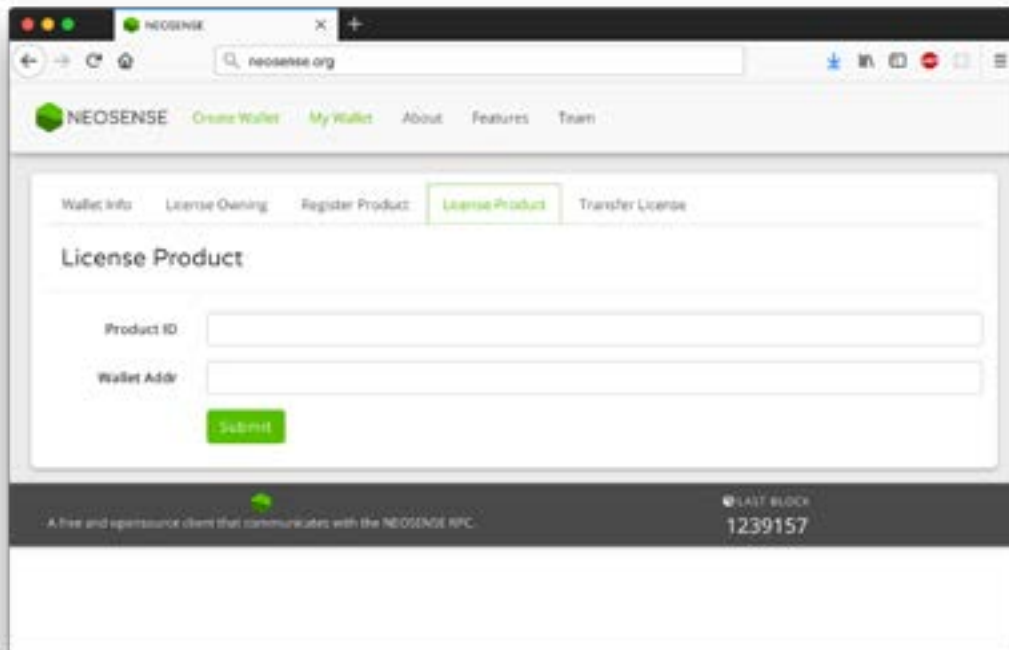
Register a product

To hand out licenses you first need to register your product. You can do that by click "Register Product". After you entered the product ID click on register. NEOSENSE is now familiar with your product and you will be able to hand out licenses.



Hand out a product

To actually hand out a license, simply click “License Product”, enter the product ID and the wallet address and click on submit. This wallet will now own the product license.



Transfer a license

NEOSENSE can also transfer a license from the current wallet to another wallet. This can be used to transfer the ownership of, for example, your concert ticket to a friend who bought it. To do so, simply click Transfer License and follow the steps on screen.

