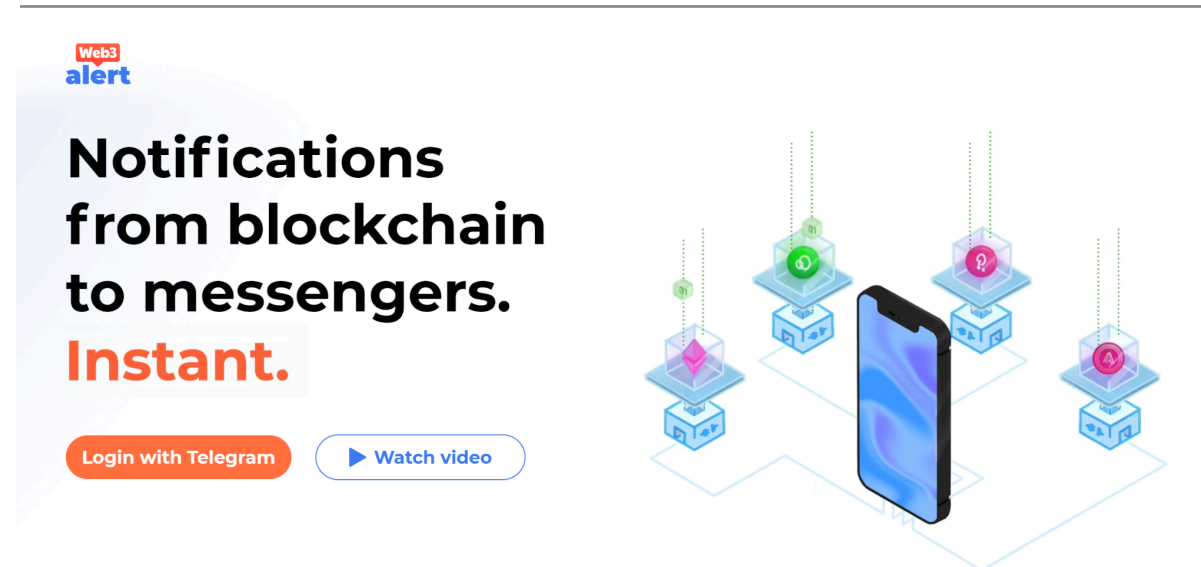


Substrate integration into web3alert.io

Proponent : 15kWBWSzLywZTUeirwUi8DYzBMKSSMtaCMN3eLee3RXzXZG4 (web3alert.io)

Date: 27.06.2022

Short description: Tip for substrate integration in web3alert, allowing Polkadot and Kusama users to receive messages about on-chain events in Telegram and Discord messengers using the service <https://web3alert.io/>



1. About team

We are a full stack team that has been working with Polkadot and Kusama for a long time. Part of our team may be familiar to you as members of Ryabina. We earlier developed https://t.me/kusama_bot.

2. Context and Problem Statement of The Proposal:

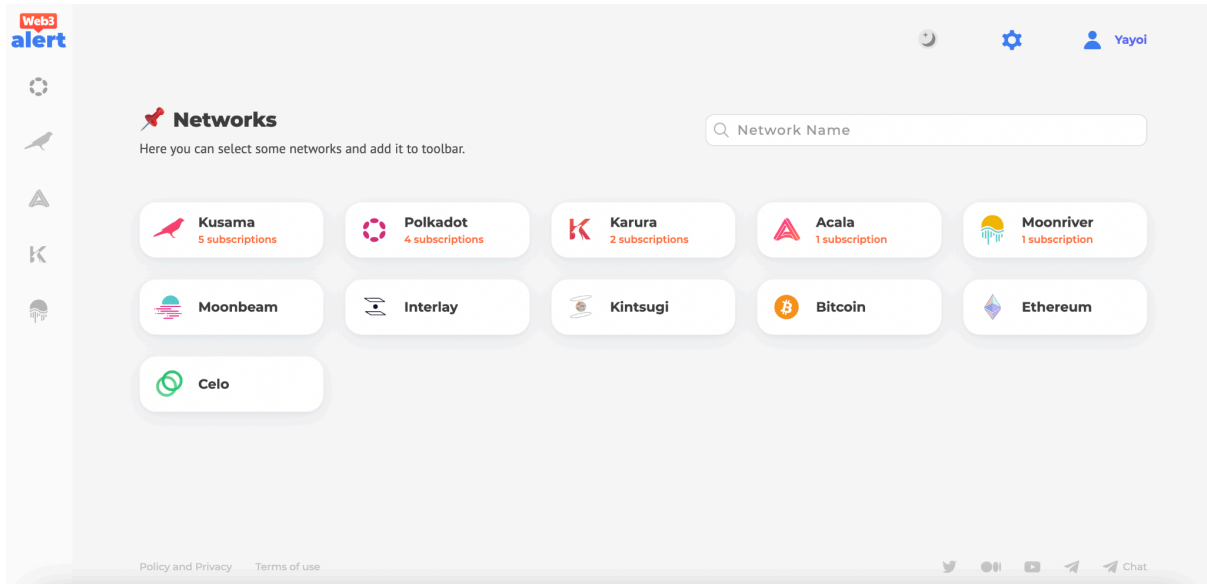
<https://web3alert.io> is a service that listens for events on blockchain networks (including Kusama, Polkadot and some Substrate networks) and sends notifications about them to messengers. At the moment, Web3alert supports Telegram and Discord.

Problem 1: *Absence of a unified tool for instant alerts about on-chain events in the substrate ecosystem.*

Web3alert's goal is to provide Polkadot (Dotsama) users with immediate access to on-chain data. Web3alert operates across several Substrate-based networks. Despite the differences in the networks, the subscription path is the same.

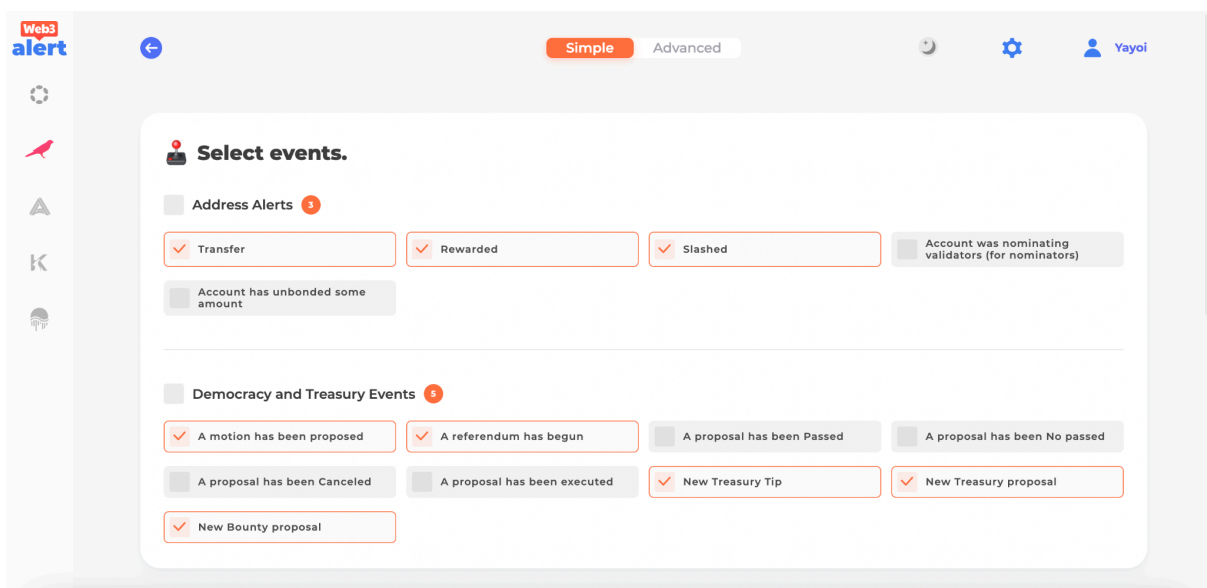
Problem 2: *High entry threshold for users who want to know what's happening in different networks*

Web3alert user interface allows users to create and manage subscriptions to on-chain events of different networks in one place.

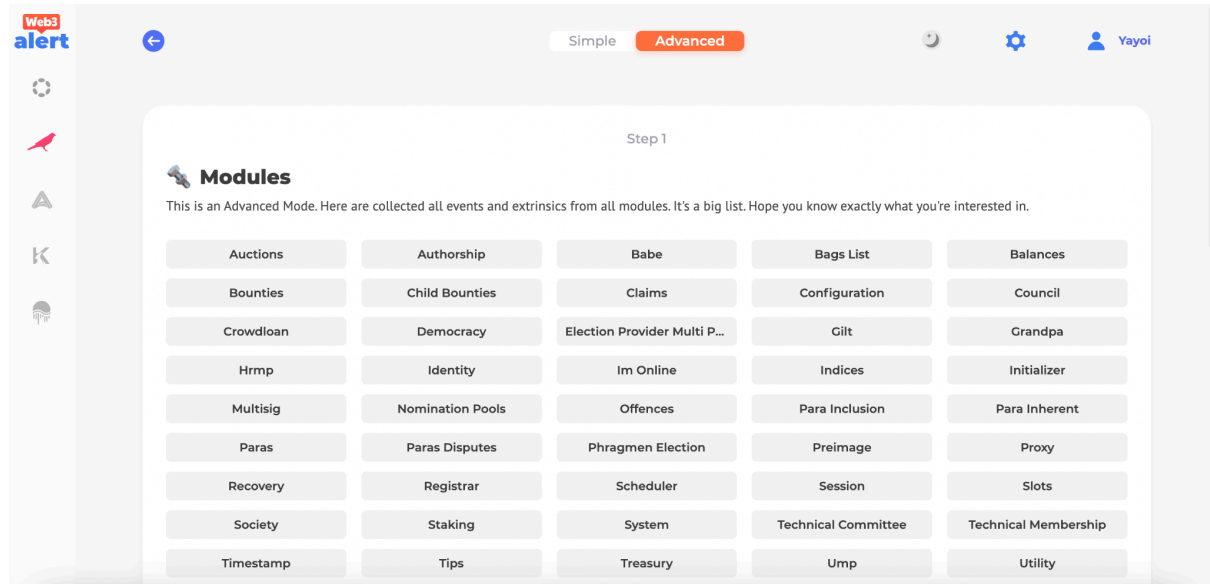


Problem 3: *Absence of alerting service that fits a wide range of users, from beginners to experienced developers.*

Web3alert allows users to easily set up subscriptions to necessary notifications, and for this purpose, there is already a ready-made tool - Simple mode. There is no need for beginners to dive into the modules, calls and events to set up subscriptions because the most popular and useful ones are already collected here.



In contrast, the Advanced mode allows experienced users to create subscriptions to any event or call which can be useful for specific tasks and situations. All the modules, events, calls and filters: no matter what you need it is there! It can be a significant feature for the networks' developers, as soon as receiving an instant notification about events can save time, reputation and money.



Problem 4: need to get notifications instantly on your smartphone / tablet / laptop / PC

Alert messages can be received in Telegram or Discord (Element in development) - two of the most convenient and popular messengers within the crypto community. The alert message contains information about Network, Module, Event happened, as well as other parameters such as addresses or amount (f.e. in transfer alert).



Web3alert.io

18:54



Put forward a suggestion for spending. A deposit proportional to the value is reserved and slashed if the proposal is rejected. It is returned once the proposal is awarded.

Network: #Polkadot

Module: #Treasury

Call: #ProposeSpend

Signer:

15kWBWSzLywZTUeirwUi8DYzBMKSSMtaCMN3
eLee3RXzXZG4

Parameters:

value: 2021

beneficiary:

id:

15kWBWSzLywZTUeirwUi8DYzBMKSSMtaCMN3
eLee3RXzXZG4

subscan



settings

3. About the Development:

Initially, Web3alert was supposed to be an evolution of https://t.me/kusama_bot, but in the process, it became clear that flexibility, resiliency and scalability could not be achieved on the old code base. As a result, the project was written with a new understanding and architecture.

This has given us a flexible base that can easily be updated and improved. A lot of work has been done, but there are still big plans ahead. Here are examples of features in development:

- firebase channel and auth provider (important future for dapps)
- new channels for sending messages (Element)
- advanced address book with address transformation
- workspaces for easy management of community subscriptions
- adding external event sources (Github, Twitter etc.)
- new login options (for ex. polkadot.js extension)

4. Funding and Payment Conditions:

- We've spent a lot of effort and time building this tool - research, experimentation, backend, design, interface. We're asking the community and councilors to support us and reimburse some of the costs spent **on developing the Substrate module**, which we estimate at ~15,000 EUR - Part of the code used in the substrate module is open source <https://github.com/web3alert/substrate-client> (in the process of improving).
- DOT rate used: 7day avg rate based on [Coingecko estimation](#) at day of submission.
- To be paid to the following address upon Council consideration and approval:
15kWBWSzLywZTUeirwUi8DYzBMKSSMtaCMN3eLee3RXzXZG4
- One-single payment covering the development of the Substrate module by the team.