

DAO

The concept of a decentralised autonomous organisation (DAO) is vital for blockchain. Controlled by rules set in smart contracts, a DAO ensures transparency and control strictly by its participants, with no central authority.

A DAO is based on blockchain technology and operates by rules, execution of which is guaranteed by smart contracts. A DAO has no single owner, a central controlling body or a hierarchy.

It functions on the principles of openness and equality, with consensus decisions made by the organisation's participants.

A DAO format can work for businesses or non-profit organisations, and is suitable for just about any goal. In the future, a DAO could manage many of the same functions as traditional organisations, e.g. joint-stock companies or cooperatives - but in a more convenient, transparent, reliable and efficient way.

For this use case, we would like to see a practical implementation of the DAO concept applied to running a company, an investment fund, a charity organisation or another entity. Alternatively, this could be a platform or framework for launching autonomous organisations, on which any user could create a DAO faster than if starting from scratch

Previous experience

In the third, [special batch of grants](#) focused on projects developed in the RIDE for dApps programming language, we suggested creating a simple and versatile DAO prototype that could be used for running a company, an investment fund or a charity organisation.

[The winning solution](#) is a straightforward dApp for collective investment in projects. In this solution, multiple accounts can deposit funds and safely withdraw them without any outside interference.

WAVES tokens can be stored in a dApp wallet. Tokens can be transferred to the wallet through a [callable deposit function](#) or withdrawn from the wallet through a callable withdraw function.

Demo: <https://dao-waves-demo.herokuapp.com/>

Source code on GitHub: <https://github.com/AlekseiPupyshev/RIDE4DAPPS-MVPS>

Description:

<https://medium.com/@alexpupyshev/how-to-waves-dapps-dao-example-using-ride-language-for-smart-contracts-3b0ca55e48a8?sk=17c38edaf3698255013f0afe391d8061>

Russian-language article: <https://habr.com/ru/post/447790/>

A similar platform built on the Ethereum ecosystem is [Aragon](#).

For this use case, we would like the idea to be developed further, creating a new DAO or a framework for simplified creation of DAOs.

Waves tools to be used:

- Smart Contracts
- Waves Keeper



Timeframe

1-6 months



Final result

Completion of work can be proven by:

1. A workable version or demo of a dApp for DAOs or a platform (framework) for creating DAOs.
2. A detailed illustrated manual for using the dApp on a separate landing page, or in a Medium post.
3. Source code on GitHub.

The goal of this description is to outline possible approaches to this objective. Maintaining these guidelines is not mandatory. You are welcome to come up with your own ideas for implementing this task.

If you have your own approach to solving this task or ideas/preliminary work, please apply and we will consider your solution.