

Oracle Launcher

Oracles are an integral part of blockchain ecosystems, as they help find and collect real-world information for use by smart contracts.

Any smart contract operates under a set of rules stipulating specific conditions, such as automatic implementation of a business deal or asset exchange.

However, to be executed correctly, smart contracts need data from outside sources. Normally, a smart contract written on the blockchain is unable to access data outside its network, which limits smart contract application.

This is resolved by using oracles, which are agents that find real-world information and feed it to the blockchain for use by smart contracts.

Oracles facilitate communication between the blockchain and the real world. They feed data collected from outside sources to smart contracts, recording it to the blockchain.

or this use case, we suggest building a platform to be used by projects for fast launch, adjustment and use of oracles. The platform could be modeled on [Provable](#) (formerly Oraclize).

In other words, we would like to see a tool for importing various data sources to the Waves blockchain with the use of the [Oracle protocol](#).

This tool will be especially useful for dApps developers who constantly need to access such data as results of sporting events, currency exchange rates, financial market indexes, etc.

Waves tools to be used:

- Smart Contracts
- Oracle Protocol
- Data Transaction



Timeframe

2-6 months



Final result

Completion of work can be proven by:

1. A workable version or demo of a tool for feeding data from outside sources to the blockchain, based on Oracle Protocol.
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.