

# BundleTokens

## Description

Create a Dapp for Airdrops where you get bonuses for holding several ERC20 tokens together for a certain amount of time.

There is a central page where you can see a list of bundles that shows the requirements to get the tokens. In order to get bonuses, basically, you need to hold for a minimum time two or more some specific tokens. Bonuses are paid by one of the tokens required to bundle. You can see also the minimum time required on each bundle and which tokens you need to hold.

The central page is managed by administrators showing them admin only functions, such as managing bundle owners. An admin adds an address to the list of approved bundle owners, so if the owner of that address logs into the app, they have access to the bundle own functions. Bundle owners creates bundles. Bundle owners can manage their bundles. People can visit bundles and claim their bonuses. In order to successfully claim the bonus you need to register first your ETH address for the bundle that you are interested. Only one bonus is allowed per each bundle and ETH address.

## Considerations

All data in the blockchain is public.

## User stories

An administrator opens the web app. The web app reads the address and identifies that the user is an admin, showing them admin only functions, such as register a bundle owner. An admin adds an address to the list of approved bundle owners, so if the owner of that address logs into the app, they have access to the bundle owner functions.

An approved bundle owner logs into the app. The web app recognizes their address and identifies them as a bundle owner. They are shown the bundle owner functions. They can create a new bundle that will be displayed on the list of bundles. A new bundle is created by specifying the tokens to bundle and the minimum time required.

Subscribers looking for getting bonuses logs into the web app. The web app does not recognize their address so they are shown the generic bundle application. From the main page they can browse all bundles that have been created in the web app. Clicking on a bundle will take them to a bundle page. The bundle page shows the tokens required to hold and the minimum time required. They can register their ETH for the bundle, the web app will check that they hold the correct tokens and register the starting time start that they have been subscribed to the bundle. People that have already registered their ETH address into the bundle they can claim the bonus in the bundle page.