

ENF Grant Proposal: Application Registry



SUPPLEMENTAL INFORMATION

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App Registry Smart Contract

Tables

Applications Table

Field	Description	Type
app_id	An incremental number that will uniquely identify an application	uint64
app_name	Identifies the name of an application	string
app_user	Identifies the owner of the application	name
app_domain	Identifies the domain of the application	string
app_description	Identifies the purpose of the application	string
app_icon	Identifies the URL where the app icon can be found	string
app_tag	Tags associated with the application	app_tags[]
app_whitelist	Whitelisted actions	contract_action[]
...		
app_manifest	Identifies the location where the application manifest is stored	string
app_status	A number that identifies if the app is in draft = 0, submitted = 1, approved = 2, published = 3, suspended = 4	uint64

Application Table Indexes

Field	Description
app_id	Primary key index
app_tag	Enables search by tags

Actions

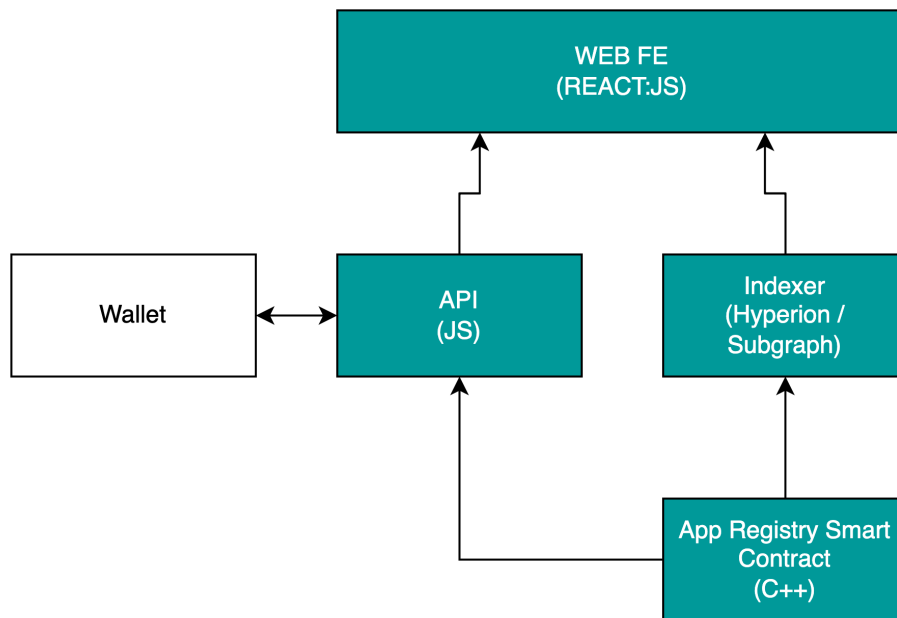
- add.app
 - Stores a new application to the app registry
 - Parameters:
 - app_name
 - app_user (owner)
 - App_domain (url)
 - App_description
 - app_icon
 - app_tag
 - app_whitelist
 - app_manifest
- delete.app
- update.app
- Approve.app
 - Allows a validator to approve the application

Create ABI file.

Metrics

- Daily active users?
- Total locked value?
- Total transacted value?
- Total transactions (day, week months?)
- Metadata, category vertical
- Category trends? (x number of new apps on EOS, WAX)

High Level Design



API End Points

Create API endpoints in order for application to interact with the smart contract.
API Endpoints hosted by ENF

Documentation

- Add to How To Guides
<https://developers.eos.io/manuals/eosjs/latest/how-to-guides/index>
- Add to API Reference
<https://developers.eos.io/manuals/eosjs/latest/API-Reference/index>