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**finance.vote**

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## 1.1 Merkle Resistor contract

The screenshot shows the 'bank.vote' web interface for creating a merkle tree hash. At the top right, a 'connected' status is shown. The main heading is 'Create merkle tree hash', with a sub-note 'You are currently using: Ethereum Testnet Rinkeby'. Below this, there's a 'Select contract' dropdown menu currently set to 'MerkleResistor' (1/3). To the right of this menu is a button for 'Advanced mode (CSV/JSON)'. Below the dropdown are three input fields: 'destination - address', 'minTotalPayments - unit', and 'maxTotalPayments - unit', with an 'X' icon to the right. A large button labeled 'Add new element' is positioned below these fields. Further down is a 'Select project' dropdown menu set to 'finance.vote (FVT)' (1/8). Below this are four more input fields: 'Minimum end time (offset in seconds)' with value '0', 'Maximum end time (offset in seconds)' with value '0', 'Percent up front' with placeholder 'Input percent up front here..', and 'Deposit token' with placeholder 'Input deposit token here..'. At the bottom center is a button labeled 'Upload to blockchain'.

### 1. Inputs:

- destination - wallet address,
- minTotalPayments - minimum total payments in wei

- maxTotalPayments - max total payments in wei

To add new input row use “Add new element button”

To change basic inputs to advance mode please use “Advance mode” button

2. **Select project** – available: (finance vote, Cudos, Totem, BUMP, Hypersign Identity, Lepricon, Metis, Olyseum)
3. **Minimum end time** (offset in seconds): minimum end time, offset in seconds of vesting schedule
4. **Maximum end time** (offset in seconds): max end time, offset in seconds of vesting schedule
5. **Percent up front**: percent of vested coins that will be withdrawn after initialization
6. **Deposit token**: deposit token contract address

If form will be valid please press “Upload to blockchain” button

7. Creating the url with query params to prefill the form:

1. const part - `/#/admin/add-merkle-root`
2. formType – type of form. In this case resistor
3. projectType – type of project. Available project ids:
  - Finance.vote – fvt
  - Cudos – cudos
  - Totem – totm
  - BUMP – bump
  - Hypersign Identity – hid
  - Lepricon – l3p,
  - Metis – metis,
  - Olyseum – oly
4. minEndTime - minimum end time, offset in seconds of vesting schedule
5. maxEndTime - max end time, offset in seconds of vesting schedule
6. pctUpFront - percent of vested coins that will be withdrawn after initialization
7. depositToken - deposit token contract addresss
8. merkleItems – array of objects to inputs as JSON string. More details in first point “Inputs”.

Path Example:

```
.../#!/admin/add-merkle-root?formType=resistor&projectType=fvt&minEndTime=8000&
↪maxEndTime=8400&pctUpFront=20&depositToken=0xa86256627d66c40163ADB33274610f4b881b0D45&
↪merkleItems=[{"destination":"0x1969d467a6c2999889ddb068c0c4fa0b5e3fe3dc",
↪"minTotalPayments":"100000000000", "maxTotalPayments":"5000000000000"}, {"destination":
↪"0x614dc59f2319E4B05002640478f35544bBc0e2Cf", "minTotalPayments":"100000000000",
↪"maxTotalPayments":"5000000000000"}, {"destination":
↪"0xe4Cd56f91Bc79cC610AEfB1bE92b07BB5b6F2e30", "minTotalPayments":"100000000000",
↪"maxTotalPayments":"5000000000000"}]
```

## 1.2 Merkle Drop Factory contract

bank.vote connected

### Create merkle tree hash

You are currently using: Ethereum Testnet Rinkeby

Select contract  
MerkleDropFactory 2/3

Advanced mode (CSV/JSON)

destination - address	value - unit	X
destination - address	value - unit	X
destination - address	value - unit	X

Add new element

Select project  
finance.vote (FVT) 1/8

Deposit token  
Input deposit token here..

Upload to blockchain

### 1. Inputs:

- destination - wallet address,
- value - max amount of tokens in wei that wallet can receive

To add new input row please use “Add new element” button

To change basic inputs to advance mode please use “Advance mode” button

2. **Select project** – available: (finance vote, Cudos, Totem, BUMP, Hypersign Identity, Lepricon, Metis, Olyseum)
3. **Deposit token**: deposit token contract address

If form will be valid please press “Upload to blockchain” button

### 4. Creating the url with query params to prefill the form:

1. const part - `/#/admin/add-merkle-root`
2. formType – type of form. In this case drop
3. projectType – type of project. Available project ids:
  - Finance.vote – fvt
  - Cudos – cudos
  - Totem – totm
  - BUMP – bump
  - Hypersign Identity – hid
  - Lepricon – l3p,

- Metis – id: metis,
  - Olyseum – id: oly
4. depositToken - deposit token contract address
  5. merkleItems – array of objects to inputs as JSON string. More details in first point “Inputs”.

Path Example:

```
... /#/admin/add-merkle-root?formType=drop&projectType=fvt&
depositToken=0xa86256627d66c40163ADb33274610f4b881b0D45&merkleItems=[{"destination":
"0xc1a282bce651eeab1a645ee0b9c5fdd2a186be12", "value": "50000000000000000000000000000000"}, {
"destination": "0xe223c6bc64cdb30f8004612d84f4f05963f34577", "value":
"50000000000000000000000000000000"}, {"destination": "0x64f63cf1905e92715c7d42122eaa3712a9d83fbf",
"value": "50000000000000000000000000000000"}, {"destination":
"0xde6856ba503eaa0a108fa7ad0514ef527beff700", "value": "50000000000000000000000000000000"}, {
"destination": "0x1969d467a6c2999889ddb068c0c4fa0b5e3fe3dc", "value":
"50000000000000000000000000000000"}, {"destination": "0x1deD73e0C96Bd1Fe1678503B8cAC8D46F37A299B",
"value": "50000000000000000000000000000000"}]
```

## 1.3 Merkle Vesting contract

### 1. Inputs:

- destination – wallet address
- totalCoins - max amount of tokens in wei that wallet can receive
- startTime - timestamp - vesting period start,
- endTime - timestamp - vesting period end,
- lockPerionEndTime - timestamp - lock period end time

To add new input row use “Add new element” button

To change basic inputs to advance mode please use “Advance mode” button



2. **Select project** – available: (finance vote, Cudos, Totem, BUMP, Hypersign Identity, Lepricon, Metis, Olyseum)
3. **Deposit token:** deposit token contract address

If form will be valid please press “Upload to blockchain” button

4. Creating the url with query params to prefill the form:

1. const part - `/#/admin/add-merkle-root`
2. `formType` – type of form. In this case vesting
3. `projectType` – type of project. Available project ids:

- Finance.vote – fvt
- Cudos – cudos
- Totem – totm
- BUMP – bump
- Hypersign Identity – hid
- Lepricon – l3p,
- Metis – id: metis,
- Olyseum – id: oly

4. `depositToken` - deposit token contract address

5. `merkleItems` – array of objects to inputs as JSON string. More details in first point “Inputs”.

Path Example:

```
... /#/admin/add-merkle-root?formType=vesting&projectType=fvt&
depositToken=0xa86256627d66c40163ADB33274610f4b881b0D45&merkleItems=[{"destination":
"0x3ae257065d690110e28904dbe252b106881b8903", "totalCoins": "1000000000000000000000000",
"startTime": 1648129851, "endTime": 1653400311, "lockPeriodEndTime": 1648629851}, {
"destination": "0x02f599b9e574af582b05c1b5a11446d9bf1e2f70", "totalCoins":
"1000000000000000000000000", "startTime": 1648129851, "endTime": 1653400311,
"lockPeriodEndTime": 1648629851}, {"destination":
"0x92e128e0f066a20d2f121ec9753a558ca53c5bf8", "totalCoins": "1000000000000000000000000",
"startTime": 1648129851, "endTime": 1653400311, "lockPeriodEndTime": 1648629851}, {
"destination": "0xa2601d29e7ebb81237b201076851e0611a7c2572", "totalCoins":
"1000000000000000000000000", "startTime": 1648129851, "endTime": 1653400311,
"lockPeriodEndTime": 1648629851}]
```



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`