

Revenue Share Dapp Tech Document v1.0

Introduction :

Built a Revenue share application backed with smart contract that splits the revenue based on % shared of the partners.

Technology Stack :

- We use Ethereum Smart Contract written in solidity.
- The Contract compiled and deployed into [Rinkeby test network](#).
- Contract Address :
<https://rinkeby.etherscan.io/address/0x1642cF220FE3e42B5ce70F5795d9fa1B78EB59d2>
- For developing, compiling and deploying contract we used [Browser solidity compiler](#)
- For frontend development we have used HTML5, CSS and Javascript.
- To interact with the deployed contract from the frontend we have used [Web3.js](#)
- For signing transactions, We have used [MetaMask](#) browser wallet.

Source Code:

Source code hosted in following github repo

<https://github.com/clustrexdev/revenueshare-web3-html5-metamask-dapp>

The repo includes the following files for code reference.

- index.html
- style.css
- script.js
- revenue.sol
- Revenue Share Dapp Tech Document v1.0.pdf

Demo:

Demo application deployed in the below link

<https://clustrexdev.github.io/revnueshare-web3-html5-metamask-dapp>

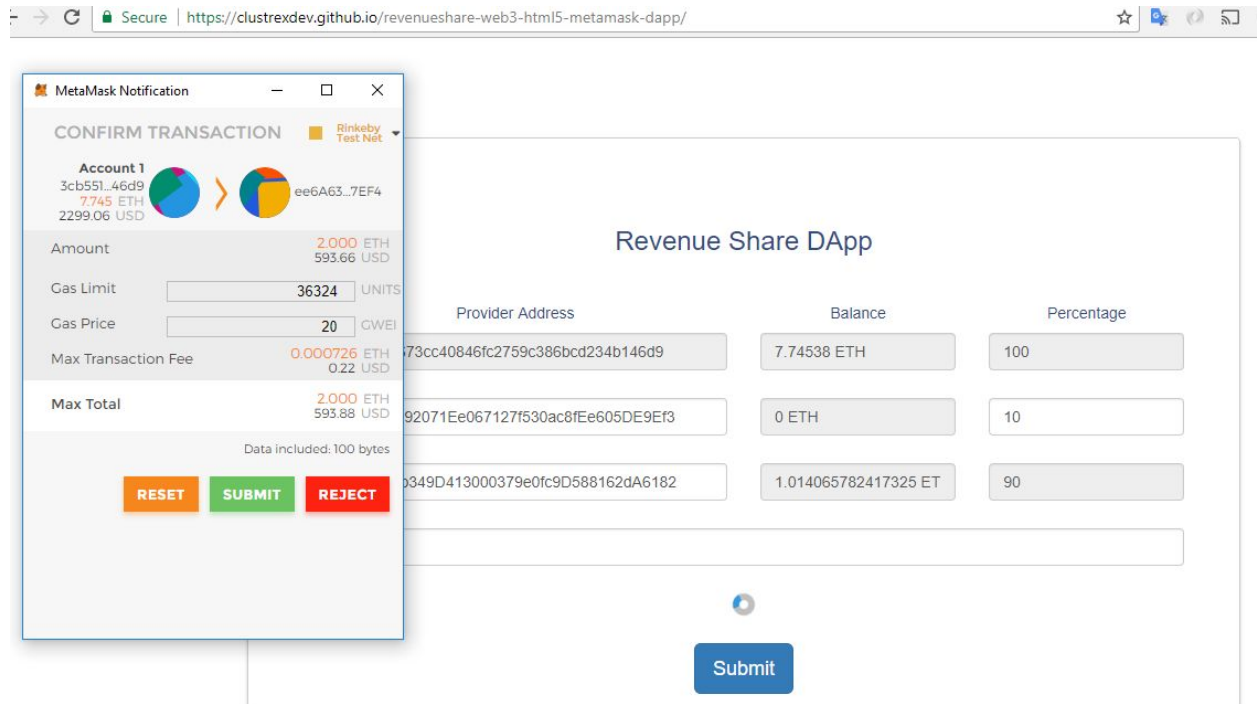
The screenshot shows the 'Revenue Share DApp' interface. It features a table with three columns: 'Provider Address', 'Balance', and 'Percentage'. The first row is pre-filled with a long hexadecimal address, '1.014065782417325 ET', and '100'. Below the table are two rows for 'Vendor1 Address' and 'Vendor2 Address', each with corresponding empty fields for 'Balance' and 'Percentage'. At the bottom, there is a text input field labeled 'Total Amount has to be transferred' and a blue 'Submit' button. Four red arrows with numbers 1 through 4 point to specific elements: 1 points to the Provider Address field, 2 points to the Vendor1 Address field, 3 points to the Vendor2 Address field, and 4 points to the Submit button.

Provider Address	Balance	Percentage
0x7f702b16b349d413000379e0fc9d588162da6182	1.014065782417325 ET	100
Vendor1 Address		Percentage
Vendor2 Address		Percentage

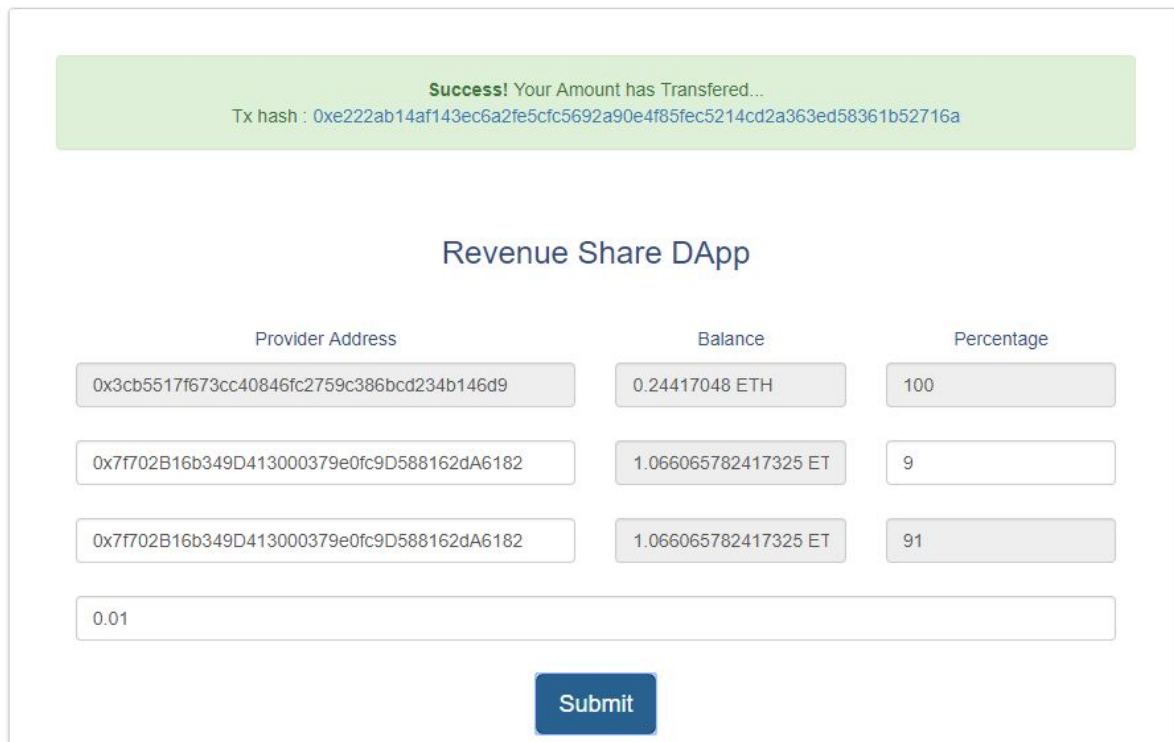
Total Amount has to be transferred

Submit

1. Sender address by default app picks default Metamask account.
2. 1st stakeholder address and percentage of stake needs to be transferred.
3. 2nd stakeholder address and their balance and remaining percentage are automatically filled up.
4. Total ETH to be transferred.
5. Click submit button you will see Metamask popup and sign the transaction.



After successful transaction



Reference Links:

Solidity development : <https://ethereum.org/token>

Web3 : <https://github.com/ethereum/web3.js/>

MetaMask : <https://github.com/MetaMask/faq/blob/master/DEVELOPERS.md>