Main Token Owner

* Own total amount of tokens created for VIDDO and distribute them to all other accounts.
* Doesn’t have any other special privileges.

Burner

This account can burn it tokens and emit an event when client buys PRO account via Viddo.com. Private key to this account is stored in web application. It will also mark which Account received PRO Account.

When private key is compromised only tokens owned by this account will be lost.

Viddo Token Owner

* Manage Viddo Token Smart Contract. Can:
* Change BURNER address
* Manage PRO Account Seller addresses ( add, delete, assign to buyer. )

This is an account. It can call functions of smart contracts and/or receive and send ETH. It can execute any logic. Based on it’s address Token Smart Conract “knows” amount of owned tokens.

This is Smart Contract. It has all account’s functionality plus can execute any Solidity Implemented Logic.

We can merge all accounts into one except Pro Account Seller. The rest can have same public/private key. This make it easier to manage contracts but will increase our vulnerability.

Pro Account Seller(s) must be always separated from other accounts because Token Smart Contract must know that tokens send to this address must be burned and exchanged for PRO Account.

Viddo Sale Contract Owner

* Manage Viddo Sale Smart Contract. Can:
* Pause and un-pause token sale.
* Change wallet address.

Wallet address is an account which receives ETH from each sale.

* Destroy Sale Contract. This will send all Viddo sale smart contract tokens to this account. It might be required to destroy sale contract to make some code modifications. The procedure is:
* Destroy sale contract (owner receives tokens)
* Create new sale contract.
* Transfer remaining tokens to new sale contract.

This doesn’t affect tokens owned by other users.

Wallet Account.

This account receives ETH from Viddo Sale Smart Contract after each sale.

Viddo Sale Smart Contract

* Receive ETH from clients and transfer tokens.
* Must have some tokens assigned to it to be able to sell.
* Calculate current token price based on USD/ETH rate.
* Can be destroyed. In such case remaining tokens are transferred to sale contract owner. Any owned ETH is transferred to wallet.
* Send ETH received from sale to Wallet account.

Pro Account Seller (or Sellers)

This is the account where clients send their tokens to receive their pro account. This account doesn’t call any functions and is not going to have any tokens as all tokens will be automatically burned by Viddo Token.

Viddo Token Smart Contract

* Implements token transfer function and other ERC20 standard functions.
* Burns tokens. Every token owner can burn owned token.
* Execute PRO Account buy function by burning “BURNER” tokens.
* Allows clients to send their tokens to special address. When tokens are transferred to this address this contract will exchange them for PRO account.

# USER STORIES

## **TRANSFER TOKEN TO GET PROACCOUNT.**

Viddo clients register his e-mail address to Viddo.com. System register his e-mail and generate new Ethereum account address to him. When