
SimbaChat Documentation

Release latest

May 01, 2019

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Note: You may need to use the blaze plan on firebase for this application to work

Using SIMBA Chain

[Here](#) is a playlist on the SIMBA Chain Youtube channel to get you up to speed on using the dashboard.

CHAPTER 1

Smart Contract

```
pragma solidity ^0.4.24;
contract Application { function Application() public {} enum Assets {
    chatRoom, message
} Assets _message = Assets.chatRoom; Assets _createRoom = Assets.chatRoom; Assets _sendMessage = Assets.message;
function message ( string assetId) /* parameter needed for linking assets and transactions */
public {}
function createRoom ( string assetId, /* parameter needed for linking assets and transactions / string name, /
optional parameter / string createdBy) / optional parameter */
public {}
function sendMessage ( string assetId, /* parameter needed for linking assets and transactions / string message,
/ optional parameter / string sentBy, / optional parameter / string chatRoom, / optional parameter / string
_bundleHash) / optional parameter */
public {}
}
```

Creating an app on the SIMBA Dashboard

Before Starting make sure you have an account on the Simba Dashboard and an Ethereum wallet with Ether in it on the Circle of life network

- Create The Smart Contract
- Create The Application
- Configure The Application(Ethereum Blockchain, Circle of Life, IPFS Filesystem, Permission disabled)
- Generate API Key(This is not the API name)

API Keys

Inside this tab

Type in a name and generate your key

API key Name *
example

GENERATE KEY

No.	Key Name	Key	Copy to Clipboard	Delete
001	example	e34ecc80b2cf0dddb9f0224600c0fde9666e5e73e3afaac9729c26357c323b2f		

Converting the SimbaChat example to your app

- **Setting the Env Variables**

- To set the signing key: `firebase functions:config:set signing.key="[YOUR PRIVATE KEY WITHOUT THE 0x]"`
- To set the api key: `firebase functions:config:set simba.key="[YOUR API KEY]"`

- **Setting the Webhooks**

- Go to `app.simbachain.com`
- Go to Notification then Register Notification
- Select your application from the drop down menu
- Select WEBHOOK as type.
- Paste the webhook url from Firebase Console -> Functions -> Dashboard
- Create the webhook

- **Setting the public address**

- At line 41: `const from = "[YOUR PUBLIC ETHEREUM KEY]";`

- **Changing the url**

- At line 44: `const baseUrl = "[YOUR URL TO SIMBACHAIN API(example:https://api.simbachain.com/v1/simbaChatz)]";`

- **Deploying the application**

- Guide for setting up the firebase application. <https://firebase.google.com/docs/web/setup>
- Guide for setting up the hosting for firebase. <https://firebase.google.com/docs/hosting/quickstart>
- Based off of this firebase example application. <https://codelabs.developers.google.com/codelabs/firebase-web/#0>

Github Repo <https://github.com/SIMBACHain/SimbaChat> SimbaChat <https://chat.simbachain.com>