

Supply Tracking





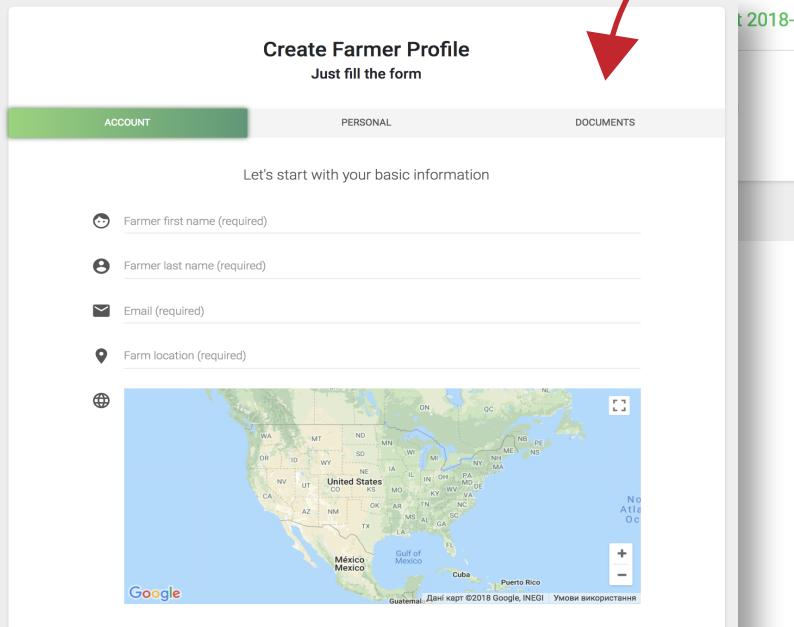
Creating a Farmer Profile



Home / Farmers

1. Click on “add new” button

FARMERS

NAME	ADDRESS	FILES	ACTIONS
John Snc			+ ADD NEW

Create Farmer Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Let's start with your basic information

Farmer first name (required)
Farmer last name (required)
Email (required)
Farm location (required)

Google Map of North America

NEXT

2. Fill in the main fields

Screen Shot 2018-03-05 at 2018-03-06

Create Farmer Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Any information, that you wish to provide can be added here

age: 33
phone: 333-333-33-33

+ ADD BACK NEXT

3. Add additional information in the form (if required)

4. Upload Profile Files.
You can change the file name here by clicking on it

Create Farmer Profile
Just fill the form

ACCOUNT PERSONAL DOCUMENTS

Please attach your supporting documents here

ATTACH

license (1.4 MB) about (1.2 MB)

BACK FINISH

5. After creating a profile on the site, all data is stored on the blockchain through the use of smart-contracts.





Farmer Profile Page

Profile

Status: ✓ Confirmed!

Profile

First name: Luke
Last name: Sky
Email: test@example.com
Address:
Ethereum

Check Data Identity

Blockchain

Property

age: 33
phone: 33

Document

license, about.p

Blockchain

Profile

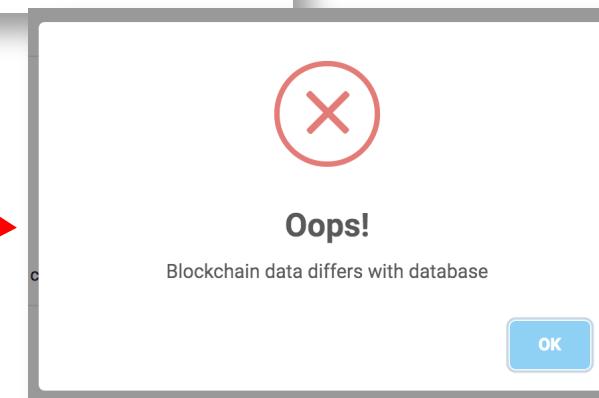
HARVEST

Blockchain

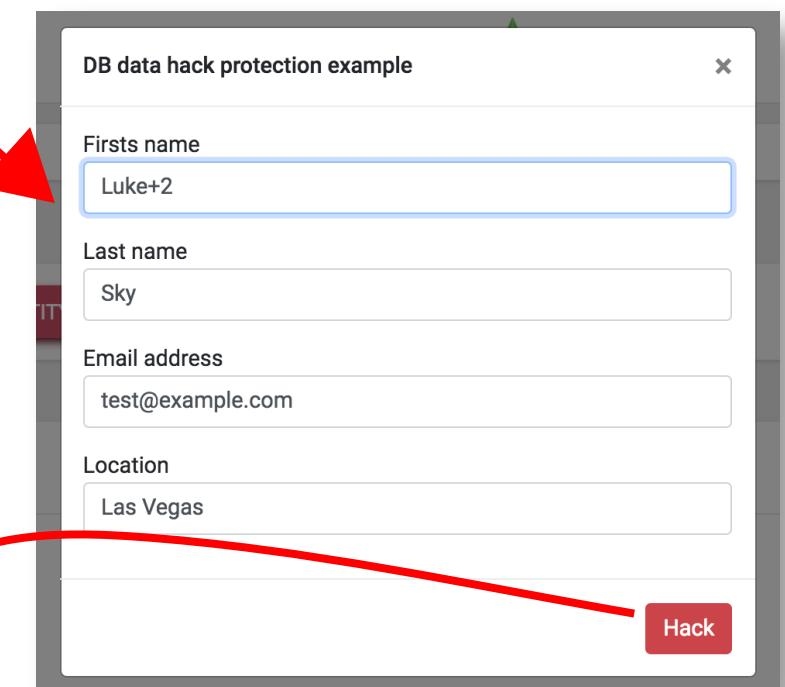
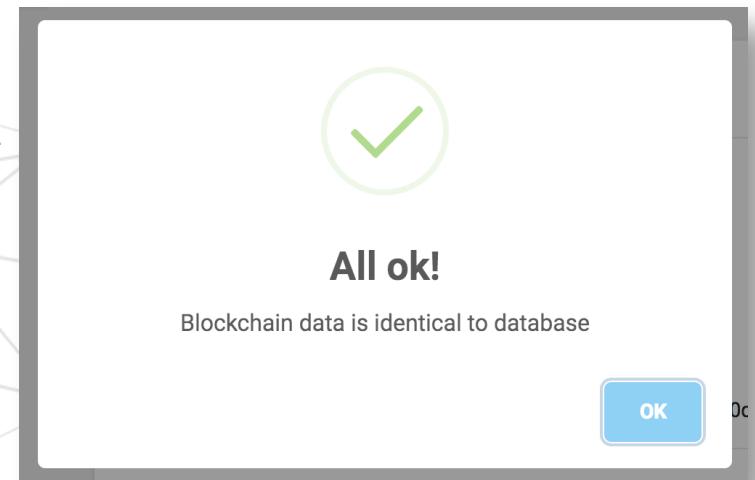
TRANSACTION METADATA

Block Number: 0x1d1e91
Block Hash: 0x6556ee64071b2909820f4229ff12ccbcc5bef5743050947a89b38c373cfbc5ff
Tx Hash: 0x11784bebd6bb9600e8e6851e27641d9789a5399edcc736d46b887ee1495b203
From: 0x6955f428395b191d2f8b6f7fe712803035cd9ea9
To: 0xd8c4d20f898dfbcff9eb97befa6b1de8f857ce50
Gas: 4700000
Gas Price: 2000000000

TRANSACTION DECODED INPUT



On the farmer profile page, you can view all the saved data and verify data validity by comparing it to the blockchain data.





Creating a Harvest

Farmers

THC COIN

Home / Farmers / Luke Sky

HARVEST

+ ADD NEW

CHECK DATA IDENTITY

HACK DATA

PROFILE

EXPERTISE RESULTS

BLOCKCHAIN

Contract

Farmers

Laboratories

Transactions

Harvests list

Expertise list

Start creating a harvest on the farmer profile page

Harvest

Tell us more about your harvest

CREATE

Let's start with the basic information (with validation)

Strain Harvested (required)	Number of Plants (required)		
Weight measurement			
Wet Plant	kg	Wet Trim	kg
Wet Flower	kg	Dry Trim	kg
Dry Flower	kg	Seeds	
Total Usable Flower	kg	Total Usable Trim	kg

FINISH

Home / Farmers / Luke Sky / Saa407e6b5b5f9179485476bff2dd2f

HARVEST

Status: ✓ Confirmed!

HARVEST

EXPERTISE RESULTS

BLOCKCHAIN

some name (10.03.2018)

Grower profile

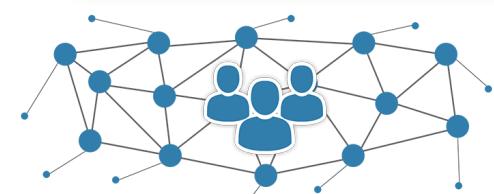
Name: Luke Sky
Address: Las Vegas, Невада, Сполучені Штати Америки
age: 33
phone: 333-333-33-33
Files:
license.png (1.32 Mb)
about.png (1.14 Mb)

Map

Harvest

Strain Harvested: some name
Number of Plants: 12
Wet Plant: 12 kg
Wet Trim: 0 kg
Wet Flower: 5 kg
Dry Trim: 8 kg
Dry Flower: 14 kg
Seeds: 4
Total Usable Flower: 0 kg
Total Usable Trim: 6 kg

DECLARED AT: 10.03.2018



After creating a harvest on the site, all data is stored in the blockchain (using smart contract)

Creating a Lab

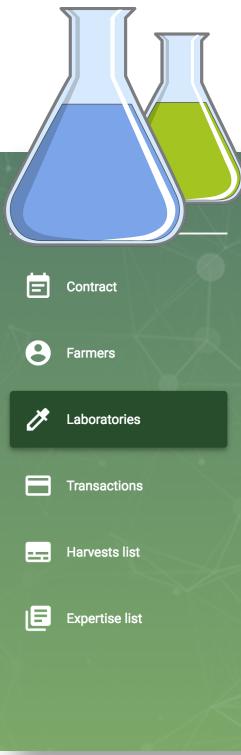
1. Click on "add new" button

2. Fill in the main fields

3. Add additional information in the form (if required)

4. Upload your supporting documentation here.

5. After creating a profile on the site, all data is stored on the blockchain through the use of smart-contracts.



Lab Profile Page



Laboratories



THC COIN

HELP LOGOUT

Home / Laboratories / Umbrella

Status: ✓ Confirmed!

Profile

Name: Umbrella
Address: Huntington Beach, Каліфорнія, Сполучені Штати Америки
Ethereum address: 0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b

Properties

some option: some value

Documents

license.png (1.69 Mb)

TRANSACTION METADATA

Block Number: 0xd205b
Block Hash: 0xce2ac14b4a6a6ee6a6fc60132cbd8abca3cc4f51ab0c7911dedc1913d6781060
Tx Hash: 0x4b59db6ee5508f63fd5319e5c12f97e5b8bdd6f25d096d320a6e8b79b6d8a65
From: 0x6955f428395b191d2f8b6f7fe712803035cd9ea9
To: 0xd8c4d20f898dfbcff9eb97befa6b1de8f857ce50
Gas: 4700000
Gas Price: 2000000000

TRANSACTION DECODED INPUT

Method:
arg_0_address: 0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b

arg_1_string: {"name":"Umbrella","address":"Huntington Beach,\u041a\u0430\u043b\u043b\u0435\u043d\u0438\u0435","city_name": "Huntington Beach", "country": "United States", "state": "California", "zip": "92648", "lat": 33.6594835, "lon": -117.99880259999998, "gm_palc_id": null, "created_at": "2018-03-10 17:20:06.000000", "timezone_type": 3, "timezone": "UTC"}, "eth_address": "0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b", "bytes": 1767485, "crc32": "ebb31dfd", "sha1": "49b1b1661b84e9e3f64d2b633e365a96bf05c0464f865cafabc1e6044d8eccfed2b508a29de4903754e697ebad0b6a4d71c0f25e53fd38309863ae26828e929", "md5": "a7b912ad66e14cbdd2a56a97fb7109", "download_link": "/lab/V0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b/file/V9b1b1661b84e9e3f64d2b633e365a96bf05c0464f865cafabc1e6044d8eccfed2b508a29de4903754e697ebad0b6a4d71c0f25e53fd38309863ae26828e929", "props_batched": [{"name": "some option", "value": "some value", "eth_address": "0x6165b6d4f4bb11ca63b5d9307c2e4f4be94f433b", "created_at": "2018-03-10 17:20:06"}], "uuid": "8a4c20ad-dc66-4a3d-87f5-e86fc3afc560"}



On the lab profile page, you can see all the saved data

The Lab can issue its report expertise, the process is explained on the next slide.

Creating an Expertise



THC COIN

HELP LOGOUT

Home / Laboratories / Umbrella

PROFILE EXPERTISES + ADD NEW

Start creating a harvest on the farmer profile page

PUBLISH LABORATORY RESULTS

CREATE

Required lab and batch information

Lab name: Umbrella

Lab address: Huntington Beach, Каліфорнія, Сполучені Штати Америки

Manufacturer (required)

Harvest (required)

Laboratory conclusion (required)

FINISH

HARVEST FARMER FARMER LOCATION ACTIONS

Harvest1 John Snow Laval

BLOCKCHAIN

After creating a lab result expertise on the site, all data is stored on the blockchain through the use of smart-contracts.

Home / Laboratories / Umbrella / Expertise: #5aa41b697ac70003862274628ce7ab0d

EXPERTISE BLOCKCHAIN

Status: Pending... (0xb257dc01603595832912a93ac71d772d38718166c9d4d2d956138c21f9ddb20)

Laboratory: Umbrella

Lab address: Huntington Beach, Каліфорнія, Сполучені Штати Америки

Harvest

Expertise UID: #5aa41b697ac70003862274628ce7ab0d

Created At: 2018-03-10 17:52:41

Conclusion: lorem ipsum

Harvest UID: #5aa27bcf44bbf713074550aed4126a78

PRINT LABEL PASSPORT

Scan QR code and get access to your blockchain data

Umbrella (10.03.2018)

Conclusion

lore ipsum

Laboratory profile

Name: Umbrella
Address: Huntington Beach, Каліфорнія, Сполучені Штати Америки
some option: some value
Files:
[license.png \(1.69 Mb\)](#)



Grower profile

Name: John Snow
Address: Laval, Квебек, Канада
option: value
option2: value2
Files:
[first.png \(1.21 Mb\)](#)
[second.png \(22.72 Kb\)](#)



Harvest

Strain Harvested: Harvest1
Number of Plants: 12
Wet Plant: 12 lbs
Wet Trim: 0 lbs
Wet Flower: 67 lbs
Dry Trim: 56 lbs
Dry Flower: 0 lbs
Seeds: 14
Total Usable Flower: 1 lbs
Total Usable Trim: 45 lbs

Smart Contract (Data recovery)

The diagram illustrates the data flow between a Smart Contract application and a blockchain explorer. A red arrow points from the 'DELETE ALL DATA FROM DB' button on the left to the 'RESTORE DATA FROM BLOCKCHAIN' button on the right. Another red arrow points from the 'Contract Logs' section on the left to the 'Transactions' tab on the blockchain explorer on the right.

ST SUPPLY TRACKING

- Contract
- Farmers
- Laboratories
- Transactions
- Harvests list
- Expertise list

Dashboard THC COIN HELP LOGOUT

SMART CONTRACT LOGS 0XD8C4D20F898DFBCFF9EB97BEFA6B1DE8F857CE50

- Main Contract
- Growers Storage
- Raw Materials Storage
- Labs Storage
- Expertises Storage

DELETE ALL DATA FROM DB

To imitate data loss click on "**DELETE ALL DATA FROM DB**" button

For data restore click on "**RESTORE DATA FROM BLOCKCHAIN**" button

The screenshot shows the Etherscan Ropsten (Revival) TESTNET interface for the smart contract address 0xA7948F0c7a4D6Ce84C526CbfE8571999EF718FAe. The 'Transactions' tab is selected, displaying the latest 3 transactions:

TxHash	Block	Age	From	To	Value	[TxFee]
0xd6b5fa2f9e490b7...	2164946	13 mins ago	0x01405cb30d74a7...	0xa7948f0c7a4d6ce...	0 Ether	0.0095416
0xed5daaf6284bd0...	2164341	2 hrs 28 mins ago	0x01405cb30d74a7...	0xa7948f0c7a4d6ce...	0 Ether	0.0230428
0xf61650d0714f86b...	2163880	4 hrs 7 mins ago	0x01405cb30d74a7...	Contract Creation	0 Ether	0.00772016

[Download CSV Export]

On the main page you can expand the logs that are created when the smart contract adds data to the blockchain.

If data for farmers, laboratories, harvests and labs is lost, it can be restored from the blockchain data.

The screenshot shows the ST SUPPLY TRACKING application after data has been restored from the blockchain. A green banner at the top right indicates: "Recovered growers: 3, harvested: 3, labs: 3, expertises: 4". The 'Contract Logs' section now includes a 'RESTORE DATA FROM BLOCKCHAIN' button.

ST SUPPLY TRACKING

- Contract
- Farmers
- Laboratories
- Transactions
- Harvests list
- Expertise list

Dashboard THC COIN RESTORE DATA FROM BLOCKCHAIN

SMART CONTRACT LOGS 0XD8C4D20F898DFBCFF9EB97BEFA6B1DE8F857CE50

- Main Contract
- Growers Storage
- Raw Materials Storage
- Labs Storage
- Expertises Storage