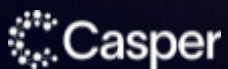




## Verified Impact NFTs Part 2

### Milestone 4 - Create User Profile Smart Contract

Version 2.0



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## Introduction

### 1- Welcome to Verified Impact NFTs

- Welcome to the official Verified Impact NFTs docs. This manual aims to familiarize new and current users with Verified Impact NFTs, its products, and its services.


### 2- What is the Verified Impact NFTs website?

- Verified Impact NFTs is an open-source platform created by the community for the community with a mission to launch an open financial network to donate to different causes and guarantees that beneficiaries can control the revenue splits through Verified Impact NFTs smart contract.
- In any conventional donations platform, many bad actors pose as legitimate impact projects while depriving the actual projects of revenue. In the base case, the impact project would only receive a fraction of the proceeds because the creator of the NFT controls the contract.

### 3- Mission Statement

- This project has two main objectives:
  1. Creating a new type of NFT contract that will allow the beneficiary to issue a verified contract and the supporter of minting using this contract. The main benefit is that the funds will go directly to the verified beneficiary, who will control the percentage that goes to the support.
  2. Expanding the platform functionality to accomodate the complex needs of the philanthropy domain.

## Important Links

- Landing page: <https://verifiedimpactnfts.com/#/>
- Dev site: <https://dev.verifiedimpactnfts.com/>
- Casper Testnet: <https://testnet.cspr.live/>
- Staging: <https://staging.verifiedimpactnfts.com/#/>
- GitHub Repo: <https://github.com/AdelElMessiry/Verified-Impact-NFTs>
- GitHub Contract:  
<https://github.com/AdelElMessiry/Verified-Impact-NFTs/tree/main/contracts>
- Data Sheet:  VINFT Data

## Essential Definitions and abbreviations:

1. Beneficiary: The organization that will receive the sales proceeds. (verified through the KYB process)
2. Creator: The individual or entity that will be minting NFTs on the platform to be bought for collecting donations for a specific campaign.
3. Donor: The individual or entity who will buy the NFTs to donate tokens.
4. Campaign: A group of NFTs from one or more than one collection to be added together to serve a specific cause for a specific beneficiary.
5. Collection: A group of NFTs owned by only one creator/artist.
6. CSPPR: The token used from Casper Network.  
Requested Royalty: The beneficiary defines it as the specific share for the organization to support its cause from the sales of any NFT minted for any campaign of this beneficiary

## Who are the primary users?

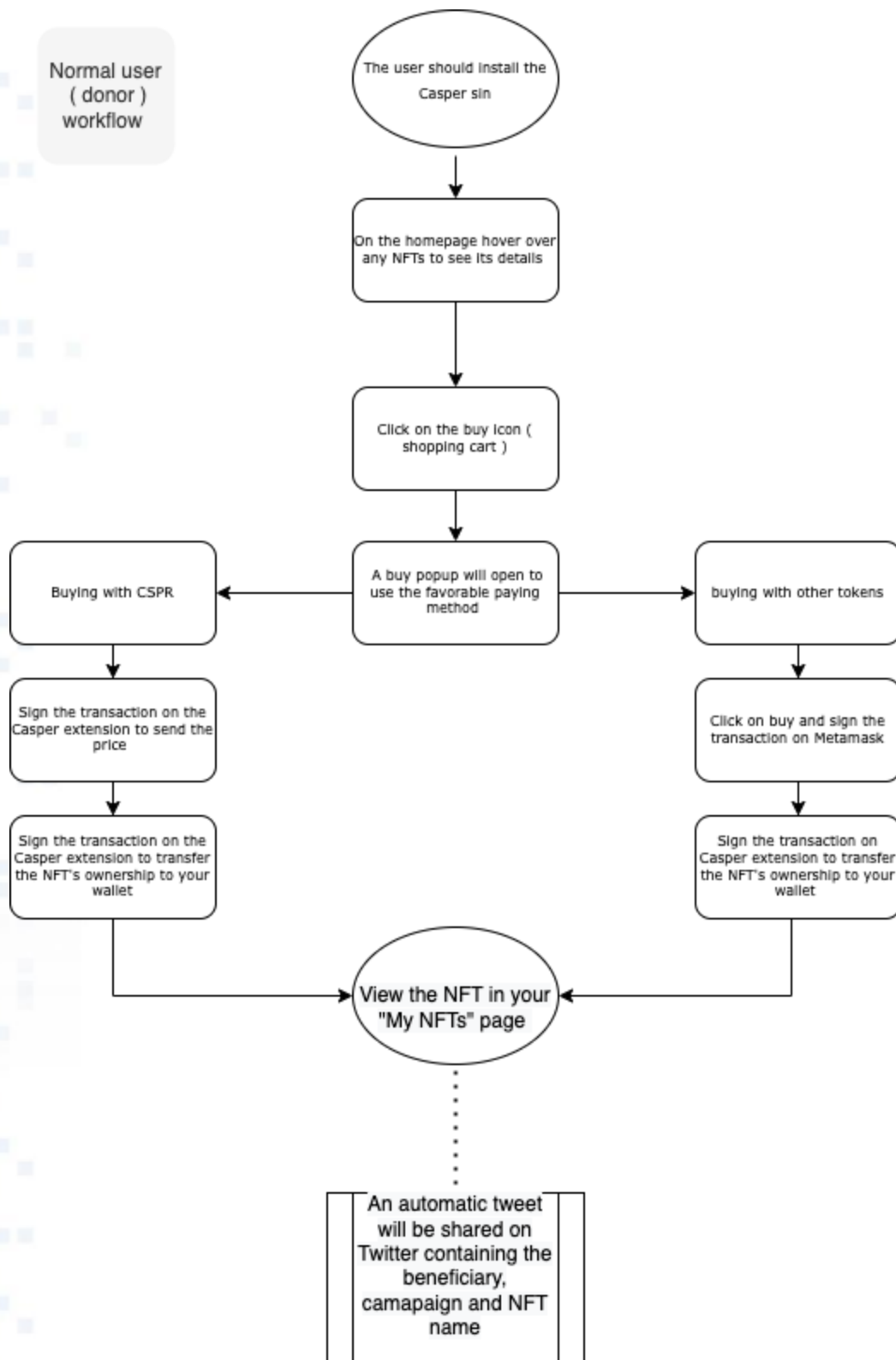
We have 3 user roles:

### I. The Donor

- While the NFTs could be bought for their actual artistic value, in most cases, the buyer/Donor would buy an NFT to contribute to a campaign in a non-direct way.
- The first step toward using the site is to Connect with Casper Signer.
- The Donor can find his purchased or gifted NFTs on the "My NFTs" page.
- The Donor can surf the website to see Creators, collections, campaigns, and the NFTs inside each one of the previous sections.
- The Donor can see and read about the beneficiary.
- The Donor can have/own any NFT he desires after paying its price.
- The Donor should know that part of the price will go to the Beneficiary and the other part will be paid to the artist.
- The Donor can share the NFTs/Collections/Campaigns using Twitter.
- The Donor can add/edit his profile



Normal user  
( donor )  
workflow

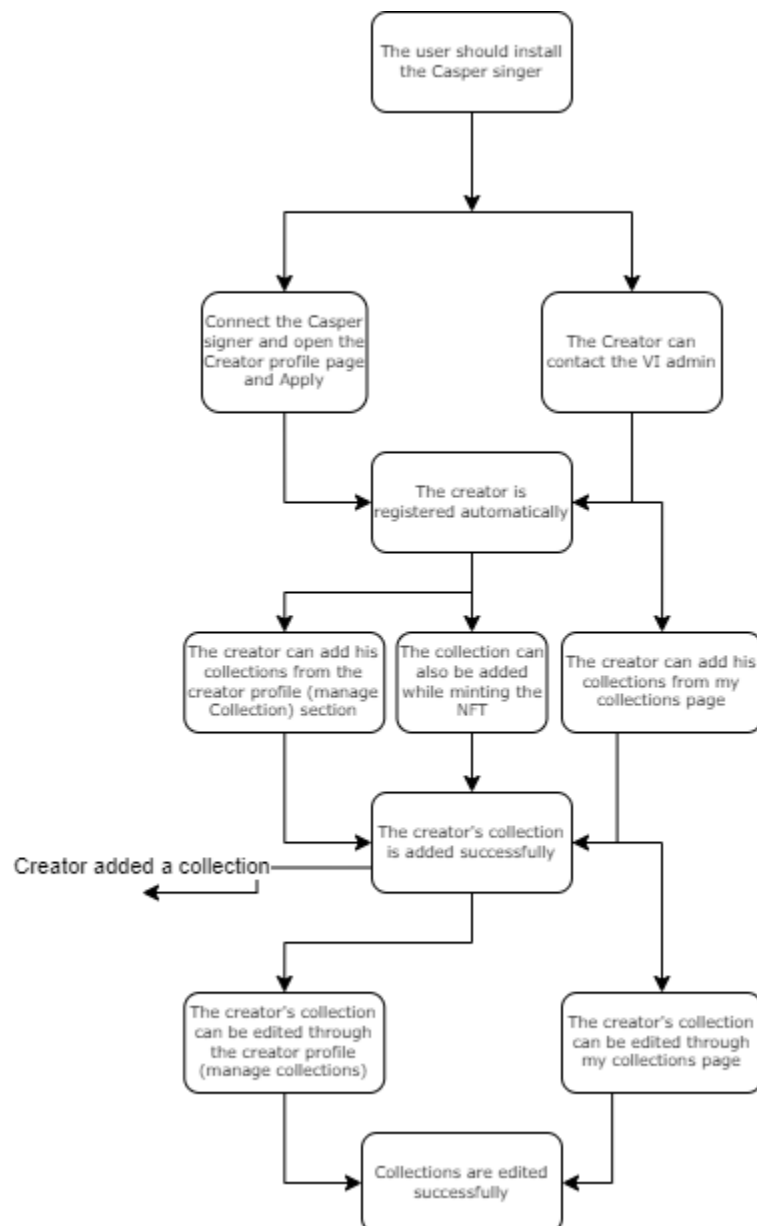


## II. The Creator

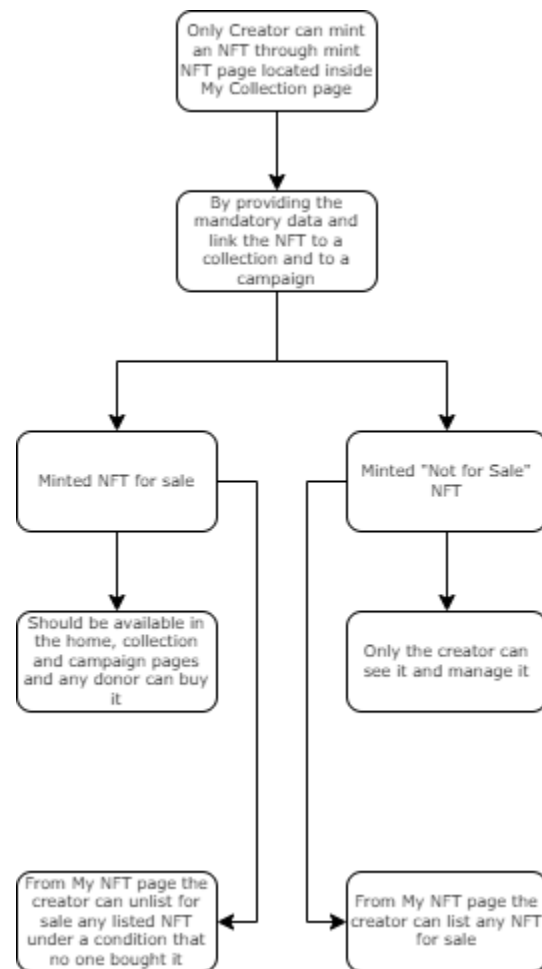
The creator is the one who adds new NFTs based on an existing contract. Besides the buyer's abilities, the creator can also do the following:

- Display the current verified NFTs contracts.
- Select a verified NFT contract to use.
- Set the NFT properties including:
  - Title.
  - Description.
  - Price in CSPR.
- Ability to mint the NFT based on the contract.
- Ability to List/unlist the NFT for sale.
- Ability to transfer the NFTs after buying them as a gift to other users
- Ability to add/edit his profile data
- Ability to add a stand-alone collection

## Creator Workflow



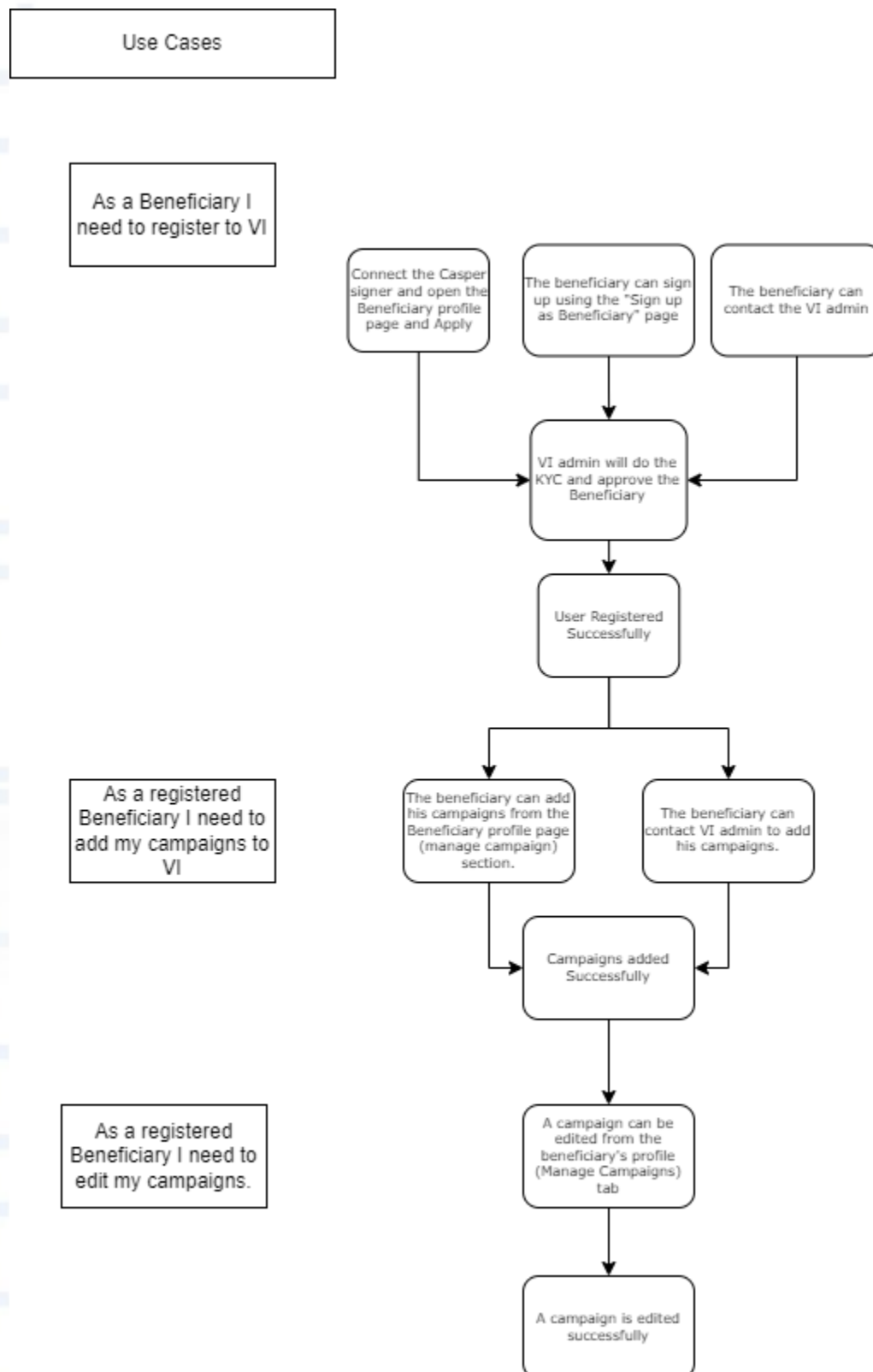




### III. The Beneficiary

- The beneficiary should provide his paperwork for the admin so that the admin can proceed with the KYB and add the beneficiary and his campaigns to the system.
- The Beneficiary should contact the admin to add a new campaign and provide the admin with the campaign's data.
- The beneficiary will collect his approved royalty from each sale.  
Ex: Beneficiary will collect 80% of the NFT price.
- The beneficiary can add itself from the signup as a beneficiary page
- The beneficiary can add/edit its data on the profile page however it needs the admin approval

## Beneficiary workflow



#### **IV. The Admin (Doesn't have a profile page)**

The admin user will be in control of the deployer wallet and thus will be able to add new beneficiaries to the system. Although this is a centralized point, it will be updated in the next version.

The admin user will be able to perform the following:

- Setting the beneficiary of the NFT sale (only by the deployer wallet).
- Set the wallet address for the beneficiary.
- Set the % of the initial sale to the creator.
- Set the royalties for subsequent sales.
- Allow the creator of minting based on the beneficiary contract.
- The admin can add a new campaign.
- The admin can approve/disapprove the newly added beneficiary via the manage beneficiaries page.
- The admin can approve/disapprove the edits to the beneficiary profile if the beneficiary added itself from the signup as a beneficiary page.

# Smart Contract

## Profiles Smart Contract link

Contract can be found on Cspr live website :

<https://cspr.live/contract/81f1e6583eca92d2ffb3d48a7fff0ccfa7d36435e41b70e200f6db7c8b1e5d51>

Contract Hash :

81f1e6583eca92d2ffb3d48a7fff0ccfa7d36435e41b70e200f6db7c8b1e5d51

## Profiles Smart contract Raw Data

```
"root":{1 item
```

```
"json":{1 item
```

```
"Contract":{5 items
```

```
"contract_package_hash":"contract-package-wasm49c52cb907c89e984af930bae087decefe0484704e89e3f9924f0c6007fe5cd5"
```

```
"contract_wasm_hash":"contract-wasm-d21f90294e7edcad75774d5b10aabc b3ea8a8e73278a467da6d2e7fbaa74dac"
```

```
"named_keys":[6 items
```

```
0:{2 items
```

```
"name":"admins"
```

```
"key":"uref-421b06f3b81f036316a43f7ca7999229a83dd6bb5ccad677dd61b bbbac727b68-007"
```

```
}
```

```
1:{2 items
```

```
"name": "all_profiles"

"key": "uref-5c0557883eefbf61655f3af011bd9790f607faaab29a730321da
7e9755e75b5-007"

}

2: {2 items

"name": "contract_package_hash"

"key": "uref-afb3ffe24a1903f9d57d9aca3dd030fdf3f03079eb7ad32b2129b
b839247f22d-007"

}

3: {2 items

"name": "owner"

"key": "uref-9aded659377bb5ccb715fe604f41ba9501b8724033aee32be77d2
f96094abc85-007"

}

4: {2 items

"name": "profiles"

"key": "uref-5c1d4c8a5f4f1fda12aded79cec8aa0f34fedf606b8d72f4e273b
50114feb68f-007"

}

5: {2 items

"name": "self_contract_hash"

"key": "uref-334ac06e63cdfc1077d2d9ef6d7938c3440db282dbd57c6eb928c
35f2fd07cfe-007"

}
```



```

]
"entry_points": [10 items
0: {5 items
  "name": "all_profiles"
  "args": [] 0 items
  "ret": {1 item
    "List": "Key"
  }
  "access": "Public"
  "entry_point_type": "Contract"
}
1: {5 items
  "name": "all_profiles_length"
  "args": [] 0 items
  "ret": "U256"
  "access": "Public"
  "entry_point_type": "Contract"
}
2: {5 items
  "name": "approve_beneficiary"
  "args": [2 items
    0: {2 items
      "name": "address"

```

```

    "cl_type": "Key"
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    "cl_type": "Bool"
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"ret": "Unit"

"access": "Public"

"entry_point_type": "Contract"
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  "args": [3 items

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      "cl_type": {1 item

        "List": "Key"

      }

    }

  ]

  1: {2 items

    "name": "contract_hash"

    "cl_type": {1 item

```

```

    "ByteArray":32
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}

2:{2 items
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}

]
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  ]
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}

4:{5 items
  "name":"create_profile"
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    [0 - 10]
    [10 - 20]

```

```

[20 - 21]

"ret": "Unit"

"access": "Public"

"entry_point_type": "Contract"
}

5: {5 items

  "name": "get_profile"

  "args": [1 item

    0: {2 items

      "name": "address"

      "cl_type": "Key"

    }

  ]

  "ret": {1 item

    "Map": {2 items

      "key": "String"

      "value": "String"

    }

  }

  "access": "Public"

  "entry_point_type": "Contract"
}

6: {5 items

```

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"name": "grant_admin"

"args": [1 item

0: {2 items

  "name": "admin"

  "cl_type": "Key"

}

]

"ret": "Unit"

"access": "Public"

"entry_point_type": "Contract"

}

7: {5 items

  "name": "package_hash"

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  "ret": {1 item

    "ByteArray": 32

  }

  "access": "Public"

  "entry_point_type": "Contract"

}

8: {5 items

  "name": "revoke_admin"

  "args": [1 item

```

```

0:{2 items
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  "cl_type":"Key"
}
]
"ret":"Unit"
"access":"Public"
"entry_point_type":"Contract"
}
9:{5 items
  "name":"update_profile_bio"
  "args":[3 items
    0:{2 items
      "name":"address"
      "cl_type":"Key"
    }
    1:{2 items
      "name":"bio"
      "cl_type":"String"
    }
    2:{2 items
      "name":"profileType"
      "cl_type":"String"

```



```
    }  
  ]  
  "ret": "Unit"  
  "access": "Public"  
  "entry_point_type": "Contract"  
}  
]  
"protocol_version": "1.4.8"  
}  
}  
}
```