

Install a16z on Casper

Learn how to install the a16z license contract on Casper (Ubuntu 20.04)

1. Clone the Git Repository a16z-casper

```
chef@jonas:~/Desktop$ git clone
https://github.com/jonas089/a16z-casper

chef@jonas:~/Desktop$ cd a16z-casper/contract
```

2. Compile the a16z Contract

```
chef@jonas:~/Desktop/a16z-casper/contract$ cargo build --
release --target wasm32-unknown-unknown
```

=> compiles contract.wasm to ./target/wasm32-unknown-unknown/release

Zuletzt verwendet	Name	Größe	Geändert
Favoriten	build	11 Objekte	16:33
Persönlicher Ordner	contract.d	145 Bytes	16:34
Schreibtisch	contract.wasm	72,1 kB	16:34
Documents	deps	176 Objekte	16:34
Downloads	examples	0 Objekte	16:33
Music	incremental	0 Objekte	16:33
Pictures			

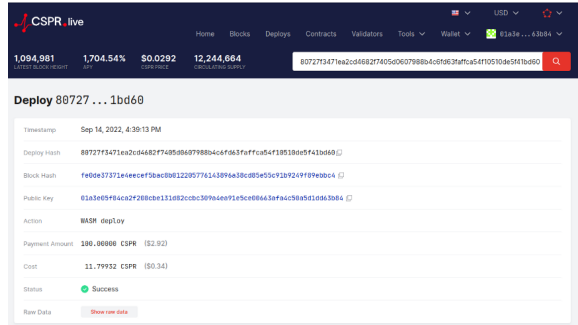
3. Install the a16z Contract (on Testnet)

```
chef@jonas:~/Desktop/a16z-casper/contract/target/wasm32-
unknown-unknown/release$ casper-client put-deploy --node-
address NODE_ADDRESS --secret-key PRIVATE_KEY_PATH --
payment-amount GAS --chain-name casper-test --session-path
contract.wasm
```

Example:

```
chef@jonas:~/Desktop$ casper-client put-deploy --node-address
http://65.108.76.33:7777 --secret-key ./account.pem --payment-
amount 100000000000 --chain-name casper-test --session-path co
ntract.wasm
{
  "id": 3492569141864761973,
  "jsonrpc": "2.0",
  "result": {
    "api_version": "1.4.8",
    "deploy_hash": "80727f3471ea2cd4682f7405d0607988b4c6fd63fa
ffca54f10510de5f41bd60"
  }
}
chef@jonas:~/Desktop$
```

Use the testnet-explorer to verify the deploy was successful:



4. Obtain the Contract Hash of the installed a16z Contract

4.1 query current state of the blockchain—after deploy was successful !

```
chef@jonas:~/Desktop$ casper-client get-state-root-hash -n
NODE_ADDRESS
```

4.2 query account state to find a16z contract hash

```
chef@jonas:~/Desktop$ casper-client query-global-state -n
NODE_ADDRESS -s STATE_ROOT_HASH --key YOUR_ACCOUNT_HASH
```

=> Find the Contract Hash labeled as "a16z_contract_hash"