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1

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0

Fork

0

Code Issues Pull requests Actions Projects Wiki Security Insights

master

2 branches

0 tags

Go to file

Add file

Code

About

No description, website, or topics provided.

Readme

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No releases published

Packages

No packages published

Languages



Jan Kotras doc

ac1b29e on Jul 29, 2020 137 commits

bindings	init of tests	2 years ago
doc	impl like module	2 years ago
examples	doc	16 months ago
helper	docs update	17 months ago
model	doc	16 months ago
simulations	backup simulations resuls	16 months ago
test	init of tests	2 years ago
utils	utils	2 years ago
DP_xkotra01.pdf	doc	16 months ago
Dockerfile	doc update	17 months ago
README.md	init casper protocol	16 months ago
dokumentace.odt	doc	16 months ago
wscript	init casper protocol	16 months ago

README.md

Proof-of-stake Testbed

Pre-requisites

- git
- c++11
- ns-3.30
- rapidjson

Installation

- Install ns-3 simulator by <https://www.nsnam.org/docs/release/3.30/tutorial/html/getting-started.html>
- Add rapidjson library

- <https://rapidjson.org/>
- Just copy `include/rapidjson` folder of repo <https://github.com/Tencent/rapidjson> to project's include path `./ns-allione-3.30/ns-3.30`

- Clone that module

- Clone into `./ns-allione-3.30/ns-3.30/src`

Run

- Open directory - `cd ./ns-allione-3.30/ns-3.30`
- Build - `CXXFLAGS="-std=c++11" ./waf configure --enable-examples --enable-static`
- Run - `./waf --run src/proof-of-stake-testbed/examples/proof-of-stake-testbed-<protocol_name>`
 - 3.1) Available `protocol_names` - algorand, ouroboros, casper

You can run other examples `./waf --run src/proof-of-stake-testbed/examples/xxxxxx`

NOTES

python run `./waf --pyrun proof-of-stake-testbed/first.py`

run c++ `./waf --run src/proof-of-stake-testbed/examples/proof-of-stake-testbed`

<https://www.nsnam.org/docs/manual/html/new-modules.html>

`CXXFLAGS="-std=c++11" ./waf configure --enable-examples --enable-static`