QRL Documentation

The Quantum Resistant Ledger

Mar 27, 2018

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This is the documentation of **QRL Node**.

Note: WORK IN PROGRESS

Note: This is the main page of your project's Sphinx documentation.

It is also possible to refer to the documentation of other Python packages with the Python domain syntax. By default you can reference the documentation of Sphinx, Python, NumPy, SciPy, matplotlib, Pandas, Scikit-Learn. You can add more by extending the `intersphinx_mapping` in your Sphinx's `conf.py`.

The pretty useful extension autodoc is activated by default and lets you include documentation from docstrings. Docstrings can be written in Google (recommended!), NumPy and classical style.

CHAPTER 1

Contents

1.1 License

```
MIT License

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```

1.2 Developers

- qrlcore developers:

#1 cyyber 309 commits 19,410 ++ 16,048 –

#2 jleni 240 commits 72,648 ++ 66,410 –

#3 surg0r 227 commits 10,857 ++ 5,095 –

#4 scottdonaldau 29 commits 241,841 ++ 240,315 –

#5 bidulemachin 13 commits 285 ++ 57 –

#6 randomshinichi 10 commits 632 ++ 481 –

#7 converghub 6 commits 204 ++ 40 –

#8 jplomas 4 commits 33 ++ 3 –

#9 Wyc0 4 commits 166 ++ 11 –

#10 leagueofdelegates 4 commits 0 ++ 0 –

#11 randomusergenerator 3 commits 173 ++ 2 –

#12 nickycakes 3 commits 24 ++ 18 –

#13 jomarip 2 commits 36 ++ 0 –

#14 r41d 2 commits 11 ++ 17 –

#15 timhovius 1 commit 2 ++ 2 –

#16 fullmatches 1 commit 0 ++ 0 –

#17 jackalyst 1 commit 1 ++ 1 –

23/10/2017

1.3 Changelog

1.3.1 Version 0.X

- DESCRIBE IMPORTANT CHANGES

1.4 qrl

1.4.1 qrl package

Subpackages

qrl.core package

Subpackages

qrl.core.misc package

Submodules

qrl.core.misc.DependencyChecker module

class qrl.core.misc.DependencyChecker.**DependencyChecker**

Bases: object

static check()

qrl.core.misc.db module

qrl.core.misc.logger module

qrl.core.misc.logger_twisted module

qrl.core.misc.ntp module

Module contents

qrl.core.notification package

Submodules

qrl.core.notification.Observable module

qrl.core.notification.ObservableEvent module

class qrl.core.notification.ObservableEvent.**ObservableEvent**(*event_id*)

Bases: object

func_name()

Module contents

qrl.core.processors package

Submodules

qrl.core.processors.TxnProcessor module

Module contents

Submodules

qrl.core.AddressState module

qrl.core.Block module

qrl.core.BlockHeader module

qrl.core.BlockMetadata module

qrl.core.ChainManager module

qrl.core.DifficultyTracker module

qrl.core.ESyncState module

class qrl.core.ESyncState.**ESyncState**

Bases: enum.Enum

An enumeration.

forked = 4

synced = 3

syncing = 2

unknown = 0

unsynced = 1

qrl.core.Ephemeral module

class qrl.core.Ephemeral.**Ephemeral**

Bases: object

Ephemeral Messaging Layer

qrl.core.EphemeralMessage module

qrl.core.EphemeralMetadata module

qrl.core.GenesisBlock module

qrl.core.Message module

class qrl.core.Message.**Message**(*pbdata*, *msg_type*)

Bases: object

add_peer(*msg_type*)

qrl.core.MessageRequest module

qrl.core.Miner module

qrl.core.OutgoingMessage module

qrl.core.PeerInfo module

qrl.core.Peers module

qrl.core.PoWValidator module

qrl.core.Singleton module

class qrl.core.Singleton.**Singleton**

Bases: type

instance = None

qrl.core.State module

qrl.core.TokenList module

qrl.core.TokenMetadata module

qrl.core.Transaction module

qrl.core.TransactionPool module

qrl.core.Wallet module

qrl.core.config module

qrl.core.formulas module

qrl.core.messagereceipt module

qrl.core.node module

qrl.core.p2pChainManager module

qrl.core.p2pObservable module

qrl.core.p2pObserver module

qrl.core.p2pPeerManager module

qrl.core.p2pTxManagement module

qrl.core.p2pfactory module

qrl.core.p2pprotocol module

qrl.core.qrlnode module

Module contents

qrl.crypto package

Submodules

qrl.crypto.AESHelper module

qrl.crypto.Qryptonight module

qrl.crypto.doctest_data module

qrl.crypto.misc module

qrl.crypto.xmss module

CHAPTER 2

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