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Necessary file (wizbltempcoin-v0.1.2.7-181113.tar.gz) can be downloaded from this link:

[https://drive.google.com/file/d/1eQ1oI6-QWmSVgc3KQCUvHQeBSFPQrOXM](https://drive.google.com/file/d/1eQ1oI6-QWmSVgc3KQCUvHQeBSFPQrOXM/view?usp=sharing)

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**Hive Hackathon Guide**

**1.** **General Working Environment**

- the blockchain used at HIVE Hackathon is configured in testnet mode

- The configuration of node for mining (wizblcoind -d0.1.2.7) and a separate node file (wizblcoind -v.0.1.2.7 / wizblcoin-cli v.0.1.2.7) are to be delivered by WIZBL to the developers participating in the hackathon

- The API used in wizblcoin-cli can be found on <https://github.com/wizbl/wizbl/blob/master/doc/wizbl/jsonrpc_apis.md>

- Available command that is omitted from the github document (same command as bitcoin)

How to use the command: wizbl\_tempcoin-cli -testnet help [command]

== Blockchain ==

getbestblockhash

getblock "hash" ( verbose )

getblockchaininfo

getblockcount

getblockhash index

getchaintips

getmempoolinfo

getrawmempool ( verbose )

gettxout "txid" n ( includemempool )

gettxoutproof ["txid",...] ( blockhash )

gettxoutsetinfo

verifychain ( checklevel numblocks )

verifytxoutproof "proof"

== Control ==

getinfo

help ( "command" )

stop

== Network ==

addnode "node" "add|remove|onetry"

getaddednodeinfo dns ( "node" )

getconnectioncount

getnettotals

getnetworkinfo

getpeerinfo

ping

== Rawtransactions ==

createrawtransaction [{"txid":"id","vout":n},...] {"address":amount,...}

decoderawtransaction "hexstring"

decodescript "hex"

getrawtransaction "txid" ( verbose )

sendrawtransaction "hexstring" ( allowhighfees )

signrawtransaction "hexstring" ( [{"txid":"id","vout":n,"scriptPubKey":"hex","redeemScript":"hex"},...] ["privatekey1",...] sighashtype )

== Util ==

createmultisig nrequired ["key",...]

estimatefee nblocks

validateaddress "wizblcoinaddress"

verifymessage "wizblcoinaddress" "signature" "message"

== Wallet ==

addmultisigaddress nrequired ["key",...] ( "account" )

backupwallet "destination"

dumpprivkey "wizblcoinaddress"

dumpwallet "filename"

encryptwallet "passphrase"

getaccount "wizblcoinaddress"

getaccountaddress "account"

getaddressesbyaccount "account"

getbalance ( "account" minconf includeWatchonly )

getnewaddress ( "account" )

getrawchangeaddress

getreceivedbyaccount "account" ( minconf )

getreceivedbyaddress "wizblcoinaddress" ( minconf )

gettransaction "txid" ( includeWatchonly )

getwalletinfo

importaddress "address" ( "label" rescan )

importprivkey "bitcoinprivkey" ( "label" rescan )

importwallet "filename"

keypoolrefill ( newsize )

listaccounts ( minconf includeWatchonly)

listaddressgroupings

listlockunspent

listreceivedbyaccount ( minconf includeempty includeWatchonly)

listreceivedbyaddress ( minconf includeempty includeWatchonly)

listsinceblock ( "blockhash" target-confirmations includeWatchonly)

listtransactions ( "account" count from includeWatchonly)

listunspent ( minconf maxconf ["address",...] )

lockunspent unlock [{"txid":"txid","vout":n},...]

move "fromaccount" "toaccount" amount ( minconf "comment" )

sendfrom "fromaccount" "towizblcoinaddress" amount ( minconf "comment" "comment-to" )

sendmany "fromaccount" {"address":amount,...} ( minconf "comment" ["address",...] )

sendtoaddress "wizblcoinaddress" amount ( "comment" "comment-to" subtractfeefromamount )

setaccount "wizblcoinaddress" "account"

settxfee amount

signmessage "wizblcoinaddress" "message"

**2.** **Development and Test Environment**

- Linux : Ubuntu 18.04 version compatibility

- Windows 10 : install Ubuntu 18.04 on WSL (Windows Subsystem for Linux)

<https://docs.microsoft.com/en-us/windows/wsl/install-win10>

https://www.computerhope.com/issues/ch001879.htm

<http://wsl-guide.org/en/latest/installation.html>

- Windows 10/earlier versions or Mac:

Ubuntu on 18.04 on VM (Virtual Machine or Virtual Box)

Virtual Machine must have external access to connect to the mining node

(Must be able to connect to temptestnet01.wizbl.io)

**3.** **Guide for Installing and Execution**

- Assume that all future installations will work in the Ubuntu environment

- wizbltempcoin-v0.1.2.7-181113.tar.gz is the zip file of wizbltempcoind / wizbltempcoin-cli

- wizbltempcoind is a node execution file

- wizbltempcoin-cli is a client program that can operate on wizbltempcoind node

**Installing**

- unzip the wizbltempcoin-v0.1.2.7-181113.tar.gz file that you received on the appropriate path of Ubuntu

- installation is complete by unzipping to the appropriate path

**Node (daemon) Execution**

- node will be installed once wizblcoind file is installed

- basic command for installing : wizbltempcoind -testnet –daemon

- basic data storage path : /home/$USER/.wizbl\_tempcoincore/testnet3

- basic configuration file path” : /home/$USER/.wizbl\_tempcoincore/wizbl\_tempcoincore.conf

- by entering wizblcoind –help, you can manually set the wizblcoind execution option

- the wizbl\_tempcoincore.conf file is a file that sets the options needed for the wizbltempcoin-cli programs to run

Refer to the document below for setting the wizbl\_tempcoincore.conf file

https://github.com/wizbl/wizbl/blob/master/doc/wizbl/wizblcoincore.conf.md

<https://github.com/wizbl/wizbl/blob/master/doc/wizbl/testnet_wizblcoincore.conf.sample>

**Client Execution**

- the client program provided in Hackathon can operate RPC-based wizbltempcoind (wizbltempcoin-cli).

- The wizbltempcoin-cli can be changed by referring to the wizbl\_tempcoincore.conf file in the same way as wizbltempcoind

- Especially in the cases of rpcuser and rpcpassword, it has the same setting value as the contents of wizbl\_tempcoincore.conf file applied when wizbltempcoind is executed

- Because it is based on RPC, it is impossible to operate wizbltempcoind if there is no access right or if the access information is different