

# clique namespace

## clique\_discard

This method drops a currently running proposal. The signer will not cast further votes (either for or against) the address.

- Parameters
- Request
- Response
- signer
- :string
- (address) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "clique\_discard", "params": [signer] } { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :boolean

## clique\_getBlockSigner

Retrieves the signer of the block with the given hash. Returns error of a block with the given hash does not exist.

- Parameters
- Request
- Response
- hash
- :string
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "clique\_getBlockSigner", "params": [hash] } { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result :string (address)

## clique\_getSigners

Retrieves the list of authorized signers.

- Request
- Response

curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

{ "jsonrpc": "2.0", "id": 0, "method": "clique\_getSigners", "params": [] } { "jsonrpc" :

"2.0" , "id" :

0 , "result" : result } result : array ofstring (address)

## clique\_getSignersAnnotated

Retrieves the list of authorized signers but with signer names instead of addresses

- Request
- Response

```
curl localhost:8545 \ -X POST \ -H
```

```
"Content-Type: application/json"
```

```
\ --data
```

```
{ "jsonrpc": "2.0", "id": 0, "method": "clique_getSignersAnnotated", "params": [] } { "jsonrpc" :
```

```
"2.0", "id" :
```

```
0 , "result" : result } result : array ofstring
```

### **clique\_getSignersAtHash**

Retrieves the list of authorized signers at the specified block by hash.

- Parameters
- Request
- Response
- hash
- :string
- (hash) curl localhost:8545 \ -X POST \ -H

```
"Content-Type: application/json"
```

```
\ --data
```

```
{ "jsonrpc": "2.0", "id": 0, "method": "clique_getSignersAtHash", "params": [hash] } { "jsonrpc" :
```

```
"2.0", "id" :
```

```
0 , "result" : result } result : array ofstring (address)
```

### **clique\_getSignersAtHashAnnotated**

Retrieves the list of authorized signers at the specified block by hash but with signer names instead of addresses

- Parameters
- Request
- Response
- hash
- :string
- (hash) curl localhost:8545 \ -X POST \ -H

```
"Content-Type: application/json"
```

```
\ --data
```

```
{ "jsonrpc": "2.0", "id": 0, "method": "clique_getSignersAtHashAnnotated", "params": [hash] } { "jsonrpc" :
```

```
"2.0", "id" :
```

```
0 , "result" : result } result : array ofstring
```

### **clique\_getSignersAtNumber**

Retrieves the list of authorized signers at the specified block by block number.

- Parameters
- Request
- Response

- number
- :string
- (hex integer) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "clique\_getSignersAtNumber", "params": [number] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result : array ofstring (address)

## clique\_getSnapshot

Retrieves a snapshot of all clique state at a given block.

- Request
- Response

curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "clique\_getSnapshot", "params": [] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :object

- hash
- :string
- (hash)
- number
- :string
- (hex integer)
- signerLimit
- :string
- (hex integer)
- signers
- : map ofstring
- (hex integer)

## clique\_getSnapshotAtHash

Retrieves the state snapshot at a given block.

- Parameters
- Request

- Response

- hash

- :string
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "clique\_getSnapshotAtHash", "params": [hash] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :object

- hash
- :string
- (hash)
- number
- :string
- (hex integer)
- signerLimit
- :string
- (hex integer)
- signers
- : map ofstring
- (hex integer)

## clique\_produceBlock

Forces Clique block producer to produce a new block

- Parameters
- Request
- Response
- parentHash
- :string
- (hash) curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "clique\_produceBlock", "params": [parentHash] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :boolean

## clique\_propose

Adds a new authorization proposal that the signer will attempt to push through. If thevote parameter is true, the local signer votes for the given address to be included in the set of authorized signers. Withvote set to false, the signer is against the address.

- Parameters
- Request
- Response
- signer
- :string
- (address)
- vote
- :boolean curl localhost:8545 \ -X POST \ -H

"Content-Type: application/json"

\ --data

'{ "jsonrpc": "2.0", "id": 0, "method": "clique\_propose", "params": [signer, vote] }' { "jsonrpc" :

"2.0", "id" :

0 , "result" : result } result :boolean[Edit this page](#) Last updatedonFeb 17, 2024 [Previous admin](#) [Next debug](#)