Registration

Check availability

Check the availability of one or more clusters

GET /v0.1/register/check/:name

POST /v0.1/register/check

Name Description BODY string[] - an array of names to check Example

```

Copy

# Single check

curlhttps://api.clusters.xyz/v0.1/register/check/namethatdoesntexist

# Bulk Check

curl--requestPOST\ --urlhttps://api.clusters.xyz/v0.1/register/check\ --header'Content-Type: application/json'\ --data'["foobar", "namethatdoesntexist"]'

```

Response

Single Check Bulk Check ```

Copy { "name":"namethatdoesntexist", "isAvailable":true }

Copy [{ "name": "foobar", "isAvailable": false }, { "name": "namethatdoesntexist", "isAvailable": true }]

```

Register Transaction Data

POST /v0.1/register

Get the transaction data for registering a cluster so that a user can sign it

Name Description network ```

Copy "1" "10" "56" "137" "8453" "17000" "42161" "43114" "11155111" "solana"

``` sender The sender's address (EVM or Solana) names { name: string; bidAmountWei?: string }[] bidAmountWei(optional) is always in ETH

Ethereum - Mainnet Ethereum - Bridging Solana Example

```

Copy curl--requestPOST\ --urlhttps://api.clusters.xyz/v0.1/register\ --header'Content-Type: application/json'\ --data'{ "network": "1", "sender": "0x0000000000000000000000000000000000000001", "names": [{ "name": "namethatdoesntexist1" }, { "name": "namethatdoesntexist2" }] }'

```

Response

200 500 ```

Copy { "gasToken":{ "symbol":"ETH", "decimals":18 }, "transactionData":{ "to":"0x00000000000e1a99dddd5610111884278bdbda1d", "data": "0x40bee83500000000000000000000000000000000000000

```

Copy curl--requestPOST\ --urlhttps://api.clusters.xyz/v0.1/register\ --header'Content-Type: application/json'\ --data'{ "network": "solana", "sender": "dead1111111111111111111111111111111111111", "names": [{ "name": "namethatdoesntexist1" }, { "name": "namethatdoesntexist2" }] }'

```

Response

Notice when using solana,transactionData is an array of transactions instead of a single object on other networks. This is because only one name is supported per transaction at the moment when using solana. 200 500 ```

Copy { "gasToken":{ "symbol":"SOL", "decimals":"lamports" }, "transactionData":[ { ...Transaction }, { ...Transaction } ], "registrationFee":"443581060", "bridgeFee":"0", "names":[ { "name":"namethatdoesntexist1", "amount":"221790530" }, { "name":"namethatdoesntexist2", "amount":"221790530" } ] }

``` Names unavailable

```

Copy { "status":500, "error":"names_unavailable", "message":"1 or more names are unavailable" }

```

Bridge Failure

```

Copy { "status":500, "error":"lz_quote_fail", "message":"lz quote failed. most likely caused by wallets having insufficient balances" }

```

Trasaction Status

Checks the status of a transaction

GET /v0.1/register/tx/:tx

For now, if you registered more than one name in a transaction, it'll only give you the status of the first name. Example

```

Copy curlhttps://api.clusters.xyz/v0.1/register/tx/0xffea3b29c64016772b7d3194b3c3899a62191e654990b6e3393b410667102284

```

Response

```

Copy typestatus='not_found'|'pending'|'bridging'|'invalid'|'lost_bid'|'finalized'

```

200 ```

Copy { "tx":"0xffea3b29c64016772b7d3194b3c3899a62191e654990b6e3393b410667102284", "status":"finalized" }

```

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