

Qora API V10

Resources

Qora

GET qora/stop

GET qora/status

GET qora/isuptodate

Seed

GET seed/{length}

Peers

GET peers

Transactions

GET transactions

Format

Errors

GET transactions/limit/{limit} (NEW)

Format

Errors

GET transactions/{address} (DEPRECATED)

Errors

GET transactions/address/{address} (NEW)

Errors

GET transactions/address/{address}/limit/{limit} (NEW)

Errors

GET transactions/signature/{signature} (NEW)

Errors

GET transactions/network

Blocks

GET blocks

Errors

GET blocks/address/{address}

Errors

GET blocks/{signature}

Errors

GET blocks/first

GET blocks/last

GET blocks/child/{signature}

Errors

GET blocks/generatingbalance

GET blocks/generatingbalance/{signature}

Errors

GET blocks/time

GET blocks/time/{generatingbalance}

GET blocks/height

GET blocks/height/{signature}

Errors

Addresses

GET addresses

Errors

GET addresses/validate/{address}

GET addresses/seed/{address}

Errors

GET addresses/new

Errors

POST addresses

Errors

DELETE addresses/{address}

Errors

GET addresses/generatingbalance/{address}

GET addresses/balance/{address}

Errors

GET addresses/balance/{address}/{confirmation}

Errors

POST addresses/sign/{address}

Format

Errors

POST addresses/verify/{address}

Format

Errors

Wallet

GET wallet

Format

GET wallet/seed

Errors

GET wallet/synchronize

Errors

GET wallet/lock

Errors

POST wallet

Format

Errors

POST wallet/unlock

Errors

Payment

POST payment (MODIFIED)

Format

Errors

Names

GET names

GET names/address/{address}

Errors

GET names/{name}

Format

Errors

POST names (MODIFIED)

Format

Errors

POST names/{name} (MODIFIED)

Format

Errors

NameSales

GET namesales

Errors

GET namesales/address/{address}

Errors

GET namesales/{name}

Errors

GET namesales/network

Format

POST namesales/{name} (MODIFIED)

Format

Errors

DELETE namesales/{name}/{fee} (MODIFIED)

Errors

POST namesales/buy/{name} (MODIFIED)

Format

Errors

Polls (NEW)

GET polls

Errors

GET polls/address/{address}

Errors

GET polls/{name}

Errors

GET polls/network

Format

POST polls

Format

Errors

POST polls/vote/{name}

Format

Errors

Response objects

Block

Transactions

Type 1: Genesis transaction

Type 2: Payment transaction

Type 3: Register name transaction

Type 4: Update name transaction

Type 5: Sell name transaction

Type 6: Cancel namesale transaction

Type 7: Buy name transaction

Type 8: Create Poll transaction (NEW)

Type 9: Vote on poll transaction (NEW)

Name

NameSale

Poll (NEW)

Errors

Resources

Qora

Provides general information about the state of the application and the ability to close the application.

GET qora/stop

Will stop the application. This command might not be able to return a http OK message.

GET qora/status

Returns the status of the application

Status	Value
0	No connections
1	Synchronizing
2	Oke

GET qora/isuptodate

Returns a boolean that shows if the application is synchronized with the network.

Seed

To generate a random base58 encoded seed. These seeds can be used to create a wallet or to import an account.

GET seed/{length}

Returns a base58 encoded random seed of 32 bytes. Use the optional parameter length to request a seed of {length} bytes.

Peers

GET peers

Returns an array of all the IP's of the peers to which the application is currently connected.

Transactions

GET transactions

Returns an array of your accounts each with their 50 last transactions.

Format

```
[
  {
    "transactions": [],
    "account": "Qdxn4qW8kiPUiBnBSy9mbqMGBrBHRhK2JM"
  },
  {
    "transactions": [],
    "account": "QQNFGuE8iZZ3sHjCnvdbhfQHXokU8SgCX"
  }
]
```

Errors

Error	Description
201	Wallet does not exist.

GET transactions/limit/{limit} (NEW)

Returns an array of your accounts each with their {limit} last transactions.

Format

```
[
  {
    "transactions": [],
    "account": "Qdxn4qW8kiPUiBnBSy9mbqMGBrBHRhK2JM"
  },
  {
    "transactions": [],
    "account": "QQNFGuE8iZZ3sHjCnvdbhfQHXokU8SgCX"
  }
]
```

Errors

Error	Description
201	Wallet does not exist.

GET transactions/{address} (DEPRECATED)

Returns an array of the last 50 transactions of a specific address in your wallet.
Will be removed in future versions, use GET transactions/address/{address} instead.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	address does not exist in wallet

GET transactions/address/{address} (NEW)

Returns an array of the last 50 transactions of a specific address in your wallet.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	address does not exist in wallet

GET transactions/address/{address}/limit/{limit} (NEW)

Returns an array of the last {limit} transactions of a specific address in your wallet.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	address does not exist in wallet

GET transactions/signature/{signature} (NEW)

Returns the transaction that matches the given signature.

Will be moved to GET transactions/{signature} once GET transactions/{address} is removed.

Errors

Error	Description
101	Invalid signature.
311	Transaction does not exist.

GET transactions/network

Returns an array of all the unconfirmed transactions known to the client.

Blocks

GET blocks

Returns an array of the 50 last blocks generated by your accounts.

Errors

Error	Description
201	Wallet does not exist.

GET blocks/address/{address}

Returns an array of the 50 last blocks generated by a specific address in your wallet.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	Address does not exist in wallet.

GET blocks/{signature}

Returns the block that matches the given signature.

Errors

Error	Description
101	Invalid signature.
301	Block does not exist.

GET blocks/first

Returns the genesis block.

GET blocks/last

Returns the last valid block.

GET blocks/child/{signature}

Returns the child block of the block that matches the given signature.

Errors

Error	Description
101	Invalid signature.
301	Block does not exist.

GET blocks/generatingbalance

Calculates the generating balance of the block that will follow the last block.

GET blocks/generatingbalance/{signature}

Calculates the generating balance of the block that will follow the block that matches the signature.

Errors

Error	Description
101	Invalid signature.
301	Block does not exist.

GET blocks/time

Calculates the time it should take for the network to generate the next block.

GET blocks/time/{generatingbalance}

Calculates the time it should take for the network to generate blocks when the current generating balance in the network is the specified generating balance.

GET blocks/height

Returns the block height of the last block.

GET blocks/height/{signature}

Returns the block height of the block that matches the given signature.

Errors

Error	Description
101	Invalid signature.
301	Block does not exist.

Addresses

GET addresses

Returns an array of all the addresses in your wallet.

Errors

Error	Description
201	Wallet does not exist.

GET addresses/validate/{address}

Validates the given address.

Returns true/false.

GET addresses/seed/{address}

Returns the 32-byte long base58-encoded account seed of the given address.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	Address does not exist in wallet.
203	Wallet is locked.

GET addresses/new

Generates a new account and returns the newly generated address.

Errors

Error	Description
201	Wallet does not exist.
203	Wallet is locked.

POST addresses

Imports the given 32-byte long base58-encoded account seed.
Returns the address when successfully imported.

Errors

Error	Description
103	Invalid seed.
201	Wallet does not exist.
203	Wallet is locked.

DELETE addresses/{address}

Deletes the given address.
Returns true/false.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
203	Wallet is locked.

GET addresses/generatingbalance/{address}

Return the generating balance of the given address.

GET addresses/balance/{address}

Returns the confirmed balance of the given address.

Errors

Error	Description
102	Invalid address.

GET addresses/balance/{address}/{confirmation}

Calculates the balance of the given address after the given confirmations.
0 confirmations can only be used on addresses that exist in your wallet.

Errors

Error	Description
102	Invalid address.

POST addresses/sign/{address}

Signs the given message using the given address.

Format

```
{  
  "message":"test",  
  "publickey":"6cWtyccawscvHhE5woPaLbDUc6qFaH7b7YuDJFrBvgJ3",  
  "signature":"2XuAEoUG2GmWJ8s5ZMZMK7csQ1nfHcqL5JYm3JBqetUAZKeT9mu7mSKYYMjLQoLBr5DqLCfaKXLQJ  
nbzCLYcFC21"  
}
```

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	Address does not exist in wallet.
203	Wallet is locked.

POST addresses/verify/{address}

Verifies if the given message was signed by the given address. Returns true/false.

Format

```
{  
  "message":"test",  
  "publickey":"6cWtyccawscvHhE5woPaLbDUc6qFaH7b7YuDJFrBvgJ3",  
  "signature":"2XuAEoUG2GmWJ8s5ZMZMK7csQ1nfHcqL5JYm3JBqetUAZKeT9mu7mSKYYMjLQoLBr5DqLCfaKXLQJ  
nbzCLYCFc21"  
}
```

Errors

Error	Description
101	Invalid signature
102	Invalid address.
112	Invalid public key.

Wallet

GET wallet

Returns general information about the wallet.

Format

```
{  
  "exists":true,  
  "isunlocked":false  
}
```

GET wallet/seed

Return the 32-byte long base58-encoded wallet seed.

Errors

Error	Description
201	Wallet does not exist.
203	Wallet is locked.

GET wallet/synchronize

Rescans the blockchain for data.

Errors

Error	Description
201	Wallet does not exist.

GET wallet/lock

Locks the wallet.

Returns true/false depending on the fact if the wallet was already locked and if the password was correct.

Errors

Error	Description
201	Wallet does not exist.

POST wallet

Creates a wallet using the given 32-byte long base58-encoded seed, password, recover flag and amount.

Format

```
{  
  "seed":"FQgbSAm6swGbtqA3NE8PtijPhT4N3Ufh4bHFAkyVnQz",  
  "password":"cookies",  
  "recover":false,  
  "amount":10  
}
```

Errors

Error	Description
1	Json error.
103	Invalid seed.
104	Invalid amount.
204	Wallet already exists.

POST wallet/unlock

Unlocks the wallet using the given password.
Returns true/false depending on the fact if the password is correct.

Errors

Error	Description
201	Wallet does not exist.

Payment

POST payment (MODIFIED)

Send a new payment using the given data.

Returns the transaction in JSON when successful.

Format

```
{  
  "amount": "10.05",  
  "fee": "1.000001",  
  "sender": "Qdxn4qW8kiPUiBnBSy9mbqMGBrBHRhK2JM",  
  "recipient": "QhMaXFowsVqdAhvU2xkclZuVaH5VDyEWsS"  
}
```

Errors

Error	Description
1	Json error.
104	Invalid amount.
105	Invalid fee.
106	Invalid sender.
107	Invalid recipient.
201	Wallet does not exist.
203	Wallet is locked.

Names

GET names

Returns an array of all the names owned by your accounts.

GET names/address/{address}

Returns an array of all the names owned by a specific address in your wallet.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	Address does not exist in wallet.

GET names/{name}

Returns details about the given name

Format

```
{  
  "name": "qora",  
  "value": "http://qora.org",  
  "owner": "QVeHoptRAeLj5DqGq2TKHVL4w51KFGS5R5"  
}
```

Errors

Error	Description
401	Name does not exist.

POST names (MODIFIED)

Register a new name.

Returns the transaction in JSON when successful.

Format

```
{  
  "name": "qora",  
  "value": "http://qora.org",  
  "registrant": "QVeHoptRAeLj5DqGq2TKHVL4w51KFGS5R5",  
  "fee": "1.00001"  
}
```

Errors

Error	Description
1	Json error.
2	Not enough balance.
102	Invalid address.
105	Invalid fee.
108	Invalid name length.
109	Invalid value length.
201	Wallet does not exist.
203	Wallet is locked.
402	Name already exists.
404	Name must be lower case.

POST names/{name} (MODIFIED)

Updates an existing name.

Returns the transaction in JSON when successful.

Format

```
{  
  "newvalue":"http://qora.net",  
  "newowner":"QVeHoptRAeLj5DqGq2TKHVL4w51KFGS5R5",  
  "fee":"1.00001"  
}
```

Errors

Error	Description
1	Json error.
2	Not enough balance.
102	Invalid address.
105	Invalid fee.
108	Invalid name length.
109	Invalid value length.
201	Wallet does not exist.
203	Wallet is locked.
401	Name does not exist.
403	Name already for sale.

NameSales

GET namesales

Returns an array of all the namesales owned by your accounts.

Errors

Error	Description
201	Wallet does not exist.

GET namesales/address/{address}

Returns an array of all the namesales owned by a specific address in your wallet.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	Address does not exist in wallet.

GET namesales/{name}

Return details about the given name that is for sale.

Errors

Error	Description
410	Name is not for sale.

GET namesales/network

Returns an array of all the names that are for sale.

For performance this array only contains the keys of the names that are for sale and not the details.

Format

```
[  
  "qora",  
  "test"  
]
```

POST namesales/{name} (MODIFIED)

Used to sell the given name.

Returns the transaction in JSON when successful.

Format

```
{  
  "amount": "100",  
  "fee": "1.00001"  
}
```

Errors

Error	Description
1	Json error.
2	Not enough balance.
102	Invalid address.
104	Invalid amount.
105	Invalid fee.
108	Invalid name length.
109	Invalid name owner.
201	Wallet does not exist.
203	Wallet is locked.
401	Name does not exist.
403	Name already for sale.

DELETE namesales/{name}/{fee} (MODIFIED)

Used to cancel the sale of the given name.

Returns the transaction in JSON when successful.

Errors

Error	Description
1	Json error.
2	Not enough balance.
102	Invalid address.
105	Invalid fee.
108	Invalid name length.
110	Invalid name owner.
201	Wallet does not exist.
203	Wallet is locked.
401	Name does not exist.
410	Name is not for sale.

POST namesales/buy/{name} (MODIFIED)

Used to purchase the given name.

Returns the transaction in JSON when successful.

Format

```
{  
  "buyer": "QVeHoptRAeLj5DqGq2TKHVL4w51KFGS5R5",  
  "fee": "1.00001"  
}
```

Errors

Error	Description
1	Json error.
2	Not enough balance.
102	Invalid address.
105	Invalid fee.
108	Invalid name length.
111	Invalid buyer.
201	Wallet does not exist.
203	Wallet is locked.
401	Name does not exist.
410	Name is not for sale.
411	Buyer is already the owner.

Polls (NEW)

GET polls

Returns an array of all the polls created by your accounts.

Errors

Error	Description
201	Wallet does not exist.

GET polls/address/{address}

Returns an array of all the polls owned by a specific address in your wallet.

Errors

Error	Description
102	Invalid address.
201	Wallet does not exist.
202	Address does not exist in wallet.

GET polls/{name}

Return details about the poll with the given name.

Errors

Error	Description
501	Poll does not exist.

GET polls/network

Returns an array of all the polls.

For performance this array only contains the names of the polls and not the details.

Format

```
[  
  "qora",  
  "test"  
]
```

POST polls

Used to create a new poll.

Returns the transaction in JSON when successful.

Format

```
{  
  "creator":"QNbA69dbnmwqJHLQeS9v63hSLZXXGkmtC6",  
  "name":"testpoll",  
  "description":"this is a testpoll",  
  "options": [  
    "option one",  
    "option two"  
  ],  
  "fee":"1.00001"  
}
```

Errors

Error	Description
1	Json error.
2	Not enough balance.
3	Not yet released.
102	Invalid address.
105	Invalid fee.
108	Invalid name length.
109	Invalid description length.
113	Invalid options length.
114	Invalid option length.
201	Wallet does not exist.
202	Address does not exist in wallet.
203	Wallet is locked.
404	Name must be lowercase.
502	Poll already exists.
503	Duplicate option.

POST polls/vote/{name}

Used to vote on a poll with the given name.
Returns the transaction in JSON when successful.

Format

```
{  
  "voter": "QNbA69dbnmwqJHLQeS9v63hSLZXXGkmtC6",  
  "option": "option one",  
  "fee": "1.00001"  
}
```

Errors

Error	Description
1	Json error.
2	Not enough balance.
3	Not yet released.
102	Invalid address.
105	Invalid fee.
108	Invalid name length.
114	Invalid option length.
201	Wallet does not exist.
202	Address does not exist in wallet.
203	Wallet is locked.
404	Name must be lowercase.
501	Poll does not exist.
504	Polloption does not exist.
505	Already voted for that option.

Response objects

Block

```
{
  "fee": "4.00000000",
  "transactions": [],
  "timestamp": 1399319724713,
  "generatorSignature": "3k7jpRRCJNexhf8cdR7w1HAD7ppmo7DK2wzXBekFmKpwfVmZF5SiM9q8b5MwjCHtHmyo
BTSXbq9iTodGxpf2qeri",
  "generatingBalance": 855786957,
  "generator": "QUDPJRGs8EreTvZWMDs5imyp3rAqU9hCPK",
  "reference": "HnhRcmrXp13dZwtP7T35Pzaav278pm8CDJmWRZStVpGVkzs6Bo4VnrbZ8XrouokReEKLGLZfLsbmod
mRrhijgkd3b67vDjgVMtKcR9WRRom8zHsE6FGvRgTv8pivBb3VrYDryECj96bpXgMqxPtZdmQUQHTUM1BA81XtUQ
ukw5sw3K",
  "transactionsSignature": "2pE2sn7jGHruhHzv4gWmr1sdgTXCBv8nvAZKsHDaCJETLVpX7XYhaYPSfwr5pz6WsAC99
QRhPQihBeDyWDDqLxQP",
  "signature": "F3Q5ihLGC2iFcS4RmRjbqSV85KWr13mXvSKDQCRBrBjG5h5n8hfd2sDWfLDSTiCrDhahojNmRQGKfw
za57XFKs1vKfGk4xqQEaw7BjnEEAvvUWHndgE56LnaMDnfyGNfMGB3wfHNdQa8DQWoMptWbmUYKACzKyFEt2s
sH6brknESgVM",
  "version": 1
}
```

Transactions

Type 1: Genesis transaction

```
{
  "fee": "0",
  "timestamp": 1399139274713,
  "amount": "500000000.00000000",
  "type": 1,
  "reference": "1",
  "confirmations": 0,
  "signature": "4GFHMAo9fmbUq7usopgntwUfAiLtpL98K6QCosAJsQmY95tfd5KoUaKu34v6Qwp7RtYEHobCx7LVi7
aYbbtpzfA",
  "recipient": "QQNFGuE8iZZ3sHjCnvdbbhqHXokU8SgCX"
}
```


Type 2: Payment transaction

```
{
  "fee": "1.00000000",
  "sender": "QRsraeFA9xiD3qVWiLSbxdcW2goUeGFVnF",
  "amount": "10.00000000",
  "timestamp": 1399656640390,
  "type": 2,
  "confirmations": 0,
  "reference": "keFP1SfTn4WVXgew1qUH6G8xmRrLaaSju65Ni36fhcSBMny8tMZjHc8BWdGMbjRRXmzNpBmi7JFwG1fPCMcvdkq",
  "signature": "wXrNfiDTamahSrMKNg96XAaAxoJd5Nxm8gkPhM1qp2DzSMHvuaek5kzEQfHvzZe1AtxoQkbc5ELoEL5F4sXKNnt",
  "recipient": "QhMaXFowsVqdAhvU2xkcLzuVaH5VDyEWsS"
}
```

Type 3: Register name transaction

```
{
  "fee": "1.00000000",
  "timestamp": 1399314215363,
  "registrant": "Qdxn4qW8kiPUiBnBSy9mbqMGBrBHRhK2JM",
  "name": "qora",
  "owner": "Qdxn4qW8kiPUiBnBSy9mbqMGBrBHRhK2JM",
  "value": "qora",
  "type": 3,
  "confirmations": 0,
  "reference": "5gE3vbzwdUbkR9YUem8RHVV3HcswrCX2ej9bA5MbJyaMrhQGxkFKqnvEtgq3s1vK3LizFEzCLz2HxjtdgULjMJRr",
  "signature": "5a1tyxSzX57sV6cqneyhTtWqV11pZPFsPqhTEPVqkNNFrrs1uCnG4DD3bUHar5PfjsF39YShxNCJYs1tZsFFtJoX"
}
```

Type 4: Update name transaction

```
{
  "fee":"1.00000000",
  "newValue":"a",
  "timestamp":1399656876336,
  "newOwner":"QNpfdoKjU3r3PDjYStQqKtjQ2CaxQWmzjZ",
  "name":"qora",
  "owner":"QVeHoptRAeLj5DqGq2TKHVL4w51KFGS5R5",
  "type":4,
  "confirmations":0,
  "reference":"42npsTYYydk798Vwtjg4a5JR2g39FC2ASEHPhdYr4x2jq6eLw1au2mjc2gxmvgghsPojEmhaEreksj174rw4Uthbg",
  "signature":"5s2fqKKnAa8cVkyVng3aF2SqxkKE1ArWKyUwBsTRz5tqRP6RfQXzcA6SNbaXNgGH4T62oh9QaXoB4xbASemHRSGV"
}
```

Type 5: Sell name transaction

```
{
  "fee":"1.00000000",
  "amount":"500.0",
  "timestamp":1399314220865,
  "name":"qora",
  "owner":"Qdxn4qW8kiPUIBnBSy9mbqMGBrBHRhK2JM",
  "type":5,
  "confirmations":0,
  "reference":"5a1tyxSzX57sV6cqneyhTtWqV11pZPFsPqhTEPVqkNNFrrs1uCnG4DD3bUHar5PfsF39YShxNCJYs1tZsFFtJoX",
  "signature":"4L6XLyPCrAFChdzqmTCrGDp43yPiZk2Bn5Ch3YUUrGsXA8NuGo8dp7xQjsMNtRVSAAtGdbXxsngTWmfM4ETVdTr6o"
}
```

Type 6: Cancel namesale transaction

```
{
  "fee":"1.00000000",
  "timestamp":1399657084324,
  "name":"qora",
  "owner":"QUDPJRGS8EreTvZWMDs5imyp3rAqU9hCPK",
  "type":6,
  "confirmations":0,
  "reference":"2yLvX23qZjBwFkyWFj6ScowYRbi15rzCwEvx1wDYpKonS9P7s13eZLCrC1tvau3uAfZKPFfdBvK9Utnb53hEjWjy",
  "signature":"4uNmBZ5aKkApMWvAKKEpM3CBKCXPq1b3G615UmXfH3cMfVrFFZUURGCbnkc6n9ZfdFkuk6hxpJtZAnMz1KZstB6"
}
```

Type 7: Buy name transaction

```
{
  "fee":"1.00000000",
  "amount":"500.0",
  "timestamp":1399314260133,
  "name":"a",
  "buyer":"QVeHoptRAeLj5DqGq2TKHVL4w51KFGS5R5",
  "type":7,
  "confirmations":0,
  "reference":"PSG56nzDowqhYxzg2mmRXKcgxg8cBtyjEoTF37gXyCy4s3jXE6ygoRv81Sg7wTdHJ7xtwHD3uauWAEYKYGaxM7D",
  "signature":"42npsTYydk798Vwtjg4a5JR2g39FC2ASEHPhdYr4x2jq6eLw1au2mjc2gxmvgHsPojEmhaEreksj174rw4Uthbg"
}
```

Type 8: Create Poll transaction (NEW)

```
{
  "fee":"1.00001000",
  "timestamp":1403552417900,
  "confirmations":0,
  "description":"this is a testpoll",
  "name":"testpoll",
  "type":8,

  "reference":"3cXi7YQGihx1q75P1YMcgeGnqHY2PGbZpScasMy4UTZ1brTCFuQVKWvDW8Ywj7c3BDh7aLKBoHft79
mGZkzs7bq",
  "signature":"ofuYyAALXzR7x6Yhfh8HXkjDuqt2x5Ao9NP9QCtyRpmrd6A8CAXkb1GLQrntDA9zq",
  "creator":"QNbA69dbnmwqjHLQeS9v63hSLZXXGkmtC6",
  "options":[
    "option one",
    "option two"
  ]
}
```

Type 9: Vote on poll transaction (NEW)

```
{
  "fee":"1.00001000",
  "timestamp":1403553008161,
  "poll":"testpoll",
  "confirmations":0,
  "type":9,

  "reference":"ofuYyAALXzR7x6Yhfh8HXkjDuz1t7XdZeM446ejPunjF5iEq2x5Ao9NP9QCtyRpmrd6A8CAXkb1GLQrn
tDA9zq",
  "signature":"2kErpXY5EToBRk3coHVbnk5P4j5WixukDqedWhTJnCXsVFKy7samMta6QF7sgrcNbdk",
  "option":0,
  "creator":"QNbA69dbnmwqjHLQeS9v63hSLZXXGkmtC6"
}
```

Name

```
{
  "name":"qora",
  "value":"qora",
  "owner":"QUDPJRGS8EreTvZWMDs5imyp3rAqU9hCPK"
}
```

NameSale

```
{
  "amount":"500.0",
  "name":"qora",
  "seller":"QUDPJRGS8EreTvZWMDs5imyp3rAqU9hCPK"
}
```

Poll (NEW)

```
{
  "creator":"QNbA69dbnmwqJHLQeS9v63hSLZXXGkmtC6",
  "description":"this is a testpoll",
  "name":"testpoll",
  "options":[
    {
      "name":"option one",
      "votes":"93393168.31001000",
      "voters":[
        "QNbA69dbnmwqJHLQeS9v63hSLZXXGkmtC6",
        "QgpH3K3ArkQTg15xjKqGq3BRgE3aNH9Q2P"
      ]
    },
    {
      "name":"option two",
      "votes":"8772354.53899000",
      "voters":[
        "QRyECqW54ywKVt4kZTEyRY17aaFUaxzc4"
      ]
    }
  ]
}
```

Errors

When an error happens the API will return a HTTP message 400(bad request) combined with an error.

```
{
  "error" 101;,
  "message":"invalid signature"
}
```

Error	Description
0	Unknown error.
1	Json error.
2	Not enough balance.
3	Not yet released.
101	Invalid signature.
102	Invalid address.
103	Invalid seed.
104	Invalid amount.
105	Invalid fee.
106	Invalid sender.
107	Invalid recipient.
108	Invalid name length.
109	Invalid value length.
110	Invalid name owner.
111	Invalid buyer.
112	Invalid public key.
113	Invalid options length.
114	Invalid option length.
201	Wallet does not exist.

202	Address does not exist in wallet.
203	Wallet is locked
204	Wallet already exists.
301	Block does not exist.
311	Transaction does not exist.
401	Name does not exist.
402	Name already exists.
403	Name already for sale.
404	Name must be lower case.
410	Name is not for sale.
411	Buyer is already the owner.
501	Poll does not exist.
502	Poll already exists.
503	Duplicate option.
504	Polloption does not exist.
505	Already voted for that option.