

estimate

gas storageLimit

sendRawTransaction

- Can not estimate: NotEnoughCash
- Estimation isn't accurate: transaction is reverted
- Can not estimate: transaction execution failed
- SendRawTx: Invalid parameters: tx
- JS-SDK: Method not found

# Can not estimate: NotEnoughCash

Can not estimate: transaction execution failed, all gas will be charged (execution error: NotEnoughCash { required: xx, got: xx, actual\_gas\_cost: xx, max\_storage\_limit\_cost: xx })

gasPrice gas storageLimit from .

cfx\_estimateGasAndCollateral ( v2.0, from from balance value .

estimate :

```
{
  "code": -32015,
  "message": "Can not estimate: transaction execution failed, all gas will be charged (execution error: NotEnoughCash { required: 18014398509481983999023437515000000, got: 0, actual_gas_cost: 0, max_storage_limit_cost: 180143985094819839990234375000000000 })",
  "data":
    "0x4e6f74456e6f75676843617368207b2072657175697265643a2031383031343339383530393438313938333939393032333433373531353030303030302c20676f743a20302c2061637475616c5f6761735f636f73743a20302c206d61785f73746f726167655f6c696d69745f636f73743a203138303134333938353039343831393833393939303233343337353030303030303030207d"
}
```

estimate balance pending cfx\_estimateGasAndCollateral

- 1. gasPrice: 1 Drip
- 2. gas: 1500w

v2.0.2 gasPrice 1GDrip

2.

gas, gasPrice, storageLimit

storageLimit
3.

sponsor
- 
- 
- upperBound

SponsorWhitelistControl

- to

NotEnoughCash
1.

from
2.

gasFee(gasPrice \* gas)

(upperbound),

1.

gasPrice 1Drip

1GDrip
2.

SDK js go java

SDK case
3.

upperbound 0.05 CFX

# Estimation isn't accurate: transaction is reverted

`cfx_estimateGasAndCollateral` `gas` `storageLimit` `Estimation isn't accurate: age`  
`transaction is reverted`

```
{
  "code": -32015,
  "message": "Estimation isn't accurate: transaction is reverted. Innermost error is at CFX: TYPE. CONTRACT: ACDUZTJBPM9PPP9F0K5VT3PJU0EJUDNHP2ZM7WS35N: Vm reverted. .",
  "data": "CFX: TYPE. CONTRACT: ACDUZTJBPM9PPP9F0K5VT3PJU0EJUDNHP2ZM7WS35N: Vm reverted. \nCFX: TYPE. CONTRACT: ACD5E6SPRGMDVG15FDXF2B8AH7DAN7GMZAGXA10EPZ: Vm reverted. "
}
```

`reverted`

NFT

message    RPC

NFT 1155

Estimation isn't accurate: transaction is reverted: `ERC1155: insufficient balance for transfer`.  
Innermost error is at xxxx: Vm reverted. ERC1155: insufficient balance for transfer

- [estimate](#)

# Can not estimate: transaction execution failed

estimateCan not estimate: transaction execution failed, all gas will be charged

## ConflictAddress(0xxxxxx)

```
{
  "code": -32015,
  "message": "Can not estimate: transaction execution failed, all gas will be charged
(execution error: VmError(ConflictAddress(0x87e69792aab04a1e54faa54b41a688335199c1bb)))",
  "data": "VmError(ConflictAddress(0x87e69792aab04a1e54faa54b41a688335199c1bb))"
}
```

data estimate nonce nonce 0  
estimate nonce nonce .

## BadInstruction { instruction: 214 }

```
{
  "code": -32015,
  "message": "Can not estimate: transaction execution failed, all gas will be charged
(execution error: VmError(BadInstruction { instruction: 214 }))",
  "data": "VmError(BadInstruction { instruction: 214 })"
}
```

data

# VmError(OutOfGas)

```
{
  "jsonrpc": "2.0",
  "error": {
    "code": -32602,
    "message": "Can not estimate: transaction execution failed, all gas will be charged
(execution error: VmError(OutOfGas))"
  },
  "id": "15922956697249514502"
}
```

gas imate OutOfGas gas gas ( ) .  
estimate gas OutOfGas gas tx

# SendRawTx: Invalid parameters: tx

Invalid parameters: tx RPC

Transaction {?} is discarded due to out of balance, needs {?} but account balance is {?}

conflux-rust v2.0.2    cfx\_sendRawTransaction    tx.from    value + gasFee + storageC

## nonce

nonce

tx already exist

nonce

Tx with same nonce already inserted

nonce

Transaction 0xxx is discarded due to a too stale nonce

nonce    nonce    nonce

Transaction 0xxx is discarded due to in too distant future

nonce    nonce    current nonce - current nonce + 2000    nonce

## gasPrice

ZeroGasPrice

gasPrice 0 gasPrice 0.

transaction gas price 1000000 less than the minimum value 1000000000

conflux-rust v2.0.2 gasPrice 1GDrip 9 0 gasPrice

gas

gas

NotEnoughBaseGas { required: 21000, got: 2000 }

gas 21000

transaction gas 20000000 exceeds the maximum value 15000000, the half of pivot block gas limit

gas 1500w

EpochHeightOutOfBound { block\_height: 53800739, set: 0, transaction\_epoch\_bound: 100000 }

epochHeight 10w epoch

Unsupported receiver address type

ChainIdMismatch { expected: 1, got: 2 }

chainId chainId

RlpIncorrectListLen



Rlp

Can not recover pubkey for Ethereum like tx

txpool is full

Failed imported to deferred pool: Transaction Pool is full

Request rejected due to still in the catch up mode.

catch up

Failed to read account\_cache from storage: {}

RPC [tx\\_sendRawTransaction](#) error

# JS-SDK: Method not found

js-conflux-sdk

from

wallet

```
conflux.wallet.addPrivateKey("your account private key");
```