```
实现的思路是把Token的内容放在BCH脚本中,依附在交易上,通过BCH的交易来转移Token
扩展opcode: OP_TOKEN
添加rpc:
createtokenscript
createtokentx
signtokentx
gettokenbalance
listtokenunspent
按照以下几步就可以实现Token的分发
1. 创建Token脚本
脚本内容是:
OP TOKEN <tokenname> <tokensupply> OP DROP OP DROP OP DUP OP HASH160 <pubbey> OP EQUALVERIFY
OP CHECKSIG
比如我想发代号为gon的代币10000个
./bitcoin-cli createtokenscript gon 10000
 "address": "pzvcadtl6epnjenp4n6qvzum8tjp7qu5nq0ehkh2ps",
 "token": "b303676f6e021027757576a914c8ad0da40b0ff475cd749a3aa455f5af3dc3f0f388ac"
2. 向Token脚本中打BCH
./bitcoin-cli sentoaddress pzvcadtl6epnjenp4n6gvzum8tjp7gu5ng0ehkh2ps 1
交易上链后就实现了Token的发行,在这个例子中地址 pzvcadtl6epnjenp4n6gvzum8tjp7gu5ng0ehkh2ps 内有10000个gon, 同时
也有1个BCH
3. 查看Token数量
gettokenbalance 和 listtokenunspent 是用来查看Token余额的rpc
./bitcoin-cli gettokenbalance
  "tokenName": "gon",
  "tokenAmount": 10000
}
]
./bitcoin-cli listtokenunspent
  "txid": "d1ed9b0b375e39859266a31d6f89d12a1b8371f6a8a9159323bcfac57d54892d",
  "vout": 0,
  "address": "bchreq:pzvcadtl6epnjenp4n6qvzum8tjp7qu5ng0ehkh2ps",
  "scriptPubKey": "a914998eb57fd643396661acf4860b9b3ae41f23949a87",
  "redeemScript": "b303676f6e021027757576a914c8ad0da40b0ff475cd749a3aa455f5af3dc3f0f388ac",
  "satoshi": 100000000,
  "amount": 1.00000000,
  "confirmations": 1,
  "spendable": true,
  "tokenName": "gon",
  "tokenAmount": 10000
]
```

4. 交易Token

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gzrsn9dhyvpgcwvrc28vkaylgee47amnacp2mt6ayp 上转移6000个gon, 可以这么操作
./bitcoin-cli createtokentx
'[{"txid":"d1ed9b0b375e39859266a31d6f89d12a1b8371f6a8a9159323bcfac57d54892d","vout":0}]'
'[{"address":"qq493drnameufw7t2wc40tk57clut83gcg02aek8nm","amount":"0.5","tokenamount":"4000","tokenname":"gon"},
{"address":"gzrsn9dhyvpgcwvrc28vkaylgee47amnacp2mt6ayp", "amount":"0.49", "tokenamount":"6000", "tokenname":"gon"}
]'
接着对createtokentx的交易进行签名
./bitcoin-cli signtokentx <hex>
广播上链后可以调用listtokenunspent再次查看token
./bitcoin-cli listtokenunspent
[
  "txid": "e563405c43f28cbde89269de89eed3c045792917a9ad6e0686eca91b0d1bafcc",
  "address": "bchreg:gq493drnameufw7t2wc40tk57clut83gcg02aek8nm",
  "scriptPubKey": "b303676f6e02a00f757576a9142a58b473eef3c4bbcb53b157aed4f63fc59e28c288ac",
  "satoshi": 10000000,
  "amount": 0.10000000,
  "confirmations": 1,
  "spendable": true,
  "tokenName": "gon",
  "tokenAmount": 4000
 }
1
```

例子中的第一个地址是我的地址,所以可以看到4000gon在我的账上,而6000gon在其它人的账上重复第4步就可以像BCH交易一样转移Token

假如我想往地址 gq493drnameufw7t2wc40tk57clut83gcg02aek8nm 上转移4000个gon,