

Decentralized KYC Verification Process for Banks

All Functions –

Deployed Contracts

▼ KYC AT 0XAE0...96B8B (MEMORY)

Balance: 0 ETH

addNewB...

string bankName, address bankAddress

▼

addNewC...

string customerName, address customerAddress, uint8 ger

▼

allowBank...

address bankAddress

▼

allowkBan...

address bankAddress

▼

blockBank...

address bankAddress

▼

blockBank...

address bankAddress

▼

doKYC

uint256 accNumber

▼

admin

checkKYC

uint256 accNumber

▼

getCustom...

uint256 accNumber

▼

addNewBank

▼ KYC AT 0XAE0...96B8B (MEMORY)

Balance: 0 ETH

addNewBank

^

bankName:

SBI

bankAddress:

0xAb8483F64d9C6d1EcF9b849Ae677dD331583E

Calldata

Parameters

transact

✓

[vm] from: 0x5B3...eddC4 to: KYC.addNewBank(string,address) 0xaE0...96B8b value: 0 wei data: 0x706...00000 logs: 1 hash: 0x5b3...c86c3

Debug

^

status

true Transaction mined and execution succeed

transaction hash

0x5b3cd98a06fc28e25a011e12aa530e501d4131e141432984f7c911439ac86c3

from

0x5B38Da6a701c568545dcFcb03Fcb875f56beddC4

to

KYC.addNewBank(string,address) 0xaE036c65C649172b43ef7156b009c6221B59688b

gas

112083 gas

transaction cost

97463 gas

execution cost

97463 gas

input

0x706...00000

decoded input

{

"string bankName": "SBI",

"address bankAddress": "0xab8483f64d9c6d1EcF9b849Ae677dD3315835cb2"

}

decoded output

{}

logs

[

{

"from": "0xaE036c65C649172b43ef7156b009c6221B59688b",

"topic": "0x9a356257042b973ddc4c33dc339e3d23d25c9d73b770675515da6cbde8a7a32e",

"event": "newBankAdded",

"args": {

"0": "0xab8483f64d9c6d1EcF9b849Ae677dD3315835cb2",

"1": "SBI",

"_bankAddress": "0xab8483f64d9c6d1EcF9b849Ae677dD3315835cb2",

"_bankName": "SBI"

}

}

}

]

val

0 wei

addNewCustomer

addNewCustomer

^

customerName:

Nischal

customerAddress:

0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02

gender:

0

PAN:

ABCD1234

age:

24

mobileNo:

9191919191

Calldata

Parameters

transact

✓

[vm] from: 0xab8...35cb2 to: KYC.addNewCustomer(string,address,uint8,string,uint256,string) 0xaE0...96B8b value: 0 wei
data: 0x3ce...00000 logs: 1 hash: 0xed7...22250

Debug

^

status

true Transaction mined and execution succeed

transaction hash

0xed7442310e4eld622be7841195524c6045b1c8078c7c5bb95113585c79d22250

from

0xab8483f64d9c6d1EcF9b849Ae677db3315835cb2

to

KYC.addNewCustomer(string,address,uint8,string,uint256,string) 0xaE036c65C649172b43ef7156b009c6221B59688b

gas

272035 gas

transaction cost

236552 gas

execution cost

236552 gas

input

0x3ce...00000

decoded input

{

"string customerName": "Nischal",

"address customerAddress": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",

"uint8 gender": 0,

"string PAN": "ABCD1234",

"uint256 age": "24",

"string mobileNo": "9191919191"

}

decoded output

{

"0": "uint256: 1"

}

logs

[

{

"from": "0xaE036c65C649172b43ef7156b009c6221B59688b",

"topic": "0x10f2de057a440d3e0ef0db240a36e67b8edbf9aefb845d48b6a9380d828e9055",

"event": "newCustomerAdded",

"args": {

"0": "1",

"1": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",

"_accountNumber": "1",

"_customerAddress": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db"

}

}

val

0 wei

checkKYC

checkKYC

^

accNumber:

1

Calldata

Parameters

call

0: bool: false

call to KYC.checkKYC

Debug

^

CALL [call] from: 0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db to: KYC.checkKYC(uint256) data: 0xf01...00001

from

0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db

to

KYC.checkKYC(uint256) 0xaE036c65C649172b43ef7156b009c6221B59688b

execution cost

26370 gas (Cost only applies when called by a contract)

input

0xf01...00001

decoded input

{

"uint256 accNumber": "1"

}

decoded output

{

"0": "bool: false"

}



logs

[]


blockBankToAddCustomer

blockBankToAddCustomer

bankAddress:

 Calldata  Parameters transact

transact to KYC.blockBankToAddCustomer pending ...



[vm] from: 0x5B3...eddC4 to: KYC.blockBankToAddCustomer(address) 0xE0...96B8b value: 0 wei data: 0x97c...35cb2 logs: 0
hash: 0xdaa...2acaa

status true Transaction mined and execution succeed

transaction hash 0xdaae554d3d3b03b83ee3e05bac713f8acc18754100fab8d3d5d3908b30e2acaa

from 0x5B38Da6a701c568545dCfc803Fc8875f56beddC4

to KYC.blockBankToAddCustomer(address) 0xE036c65C649172b43ef7156b009c6221B59688b

gas 36290 gas

transaction cost 26756 gas

execution cost 26756 gas


input 0x97c...35cb2

decoded input {
 "address bankAddress": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2"
}

decoded output {}

logs []



val 0 wei

Debug 

allowBankToAddCustomer

allowBankToAddCustomer

bankAddress:

 Calldata  Parameters transact

transact to KYC.allowBankToAddCustomer pending ...

✓ [vm] from: 0x5B3...eddC4 to: KYC.allowBankToAddCustomer(address) 0xAE0...96B8b value: 0 wei data: 0xd76...35cb2 logs: 0 hash: 0x1f9...d3245

Debug ^

status	true Transaction mined and execution succeed
transaction hash	0x1f98950eccb77e520cffb9eb34e63f2c534279a0ecda0d5ed4a75967aafd3245
from	0x5B38Da6a701c568545dCfc803FcB875f56beddC4
to	KYC.allowBankToAddCustomer(address) 0xAE036c65C649172b43ef7156b009c6221B596B8b
gas	55878 gas
transaction cost	48589 gas
execution cost	48589 gas
input	0xd76...35cb2
decoded input	{ "address bankAddress": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2" }
decoded output	{}
logs	[]
val	0 wei

blockBankToDoKYC

blockBankToDoKYC ^

bankAddress: 0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2

Calldata

Parameters

transact

transact to KYC.blockBankToDoKYC pending ...

✓ [vm] from: 0x5B3...eddC4 to: KYC.blockBankToDoKYC(address) 0xAE0...96B8b value: 0 wei data: 0x184...35cb2 logs: 0 hash: 0xdc37d03f4a877368fc9af13ff2a1aa70643b5cc092e35950c92944bdc0b8f152

Debug ^

status	true Transaction mined and execution succeed
transaction hash	0xdc37d03f4a877368fc9af13ff2a1aa70643b5cc092e35950c92944bdc0b8f152
from	0x5B38Da6a701c568545dCfc803FcB875f56beddC4
to	KYC.blockBankToDoKYC(address) 0xAE036c65C649172b43ef7156b009c6221B596B8b
gas	36294 gas
transaction cost	31560 gas
execution cost	31560 gas
input	0x184...35cb2
decoded input	{ "address bankAddress": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2" }
decoded output	{}
logs	[]
val	0 wei

allowkBankToDoKYC

allowkBankToDoKYC

bankAddress:

Calldata

Parameters

transact

transact to KYC.allowkBankToDoKYC pending ...

✓

[vm] from: 0x5B3...eddC4 to: KYC.allowkBankToDoKYC(address) 0xA0...96B8b value: 0 wei data: 0xc09...35cb2 logs: 0
hash: 0x02c...4ab8c

Debug

status	true Transaction mined and execution succeed
transaction hash	0x02c0af47753fc0efc15e6b5913896bd09e791129c354fae719c8d373d4f4ab8c
from	0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to	KYC.allowkBankToDoKYC(address) 0xA036c65C649172b43ef7156b009c6221B59688b
gas	36396 gas
transaction cost	31648 gas
execution cost	31648 gas
input	0xc09...35cb2
decoded input	{ "address bankAddress": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2" }
decoded output	{}
logs	[]
val	0 wei

doKYC

doKYC

accNumber:

Calldata

Parameters

transact

[vm] from: 0xAb8...35cb2 to: KYC.doKYC(uint256) 0xaE0...96B8b value: 0 wei data: 0xfbb...00001 logs: 1 hash: 0x5df...c2574
Debug ^

status	true Transaction mined and execution succeed
transaction hash	0x5df792275eea2817cdee04b5770242f01a9ff6f3614fd9d4269e7fca91c2574
from	0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2
to	KYC.doKYC(uint256) 0xaE036c65C649172b43ef7156b009c6221B596B8b
gas	44143 gas
transaction cost	38385 gas
execution cost	38385 gas
input	0xfbb...00001
decoded input	<pre>{ "uint256 accNumber": "1" }</pre>
decoded output	<pre>{}</pre>
logs	<pre>[{ "from": "0xaE036c65C649172b43ef7156b009c6221B596B8b", "topic": "0x05e277f6cdbcce62cb322491e6877fdd4afd948662bba33027fad2466ad4b76", "event": "kycDone", "args": { "0": 2, "1": "1", "2": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db", "3": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2", "kycApproved": 2, "accountNumber": "1", "customerAddress": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db", "bankAddress": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2" } }]</pre>
val	0 wei

getCustomer

getCustomer

accNumber:

1

Calldata

Parameters

call

0: tuple(uint256,string,address,tuple(uint256,uint8,string,string),uint8,address,uint256): 1,Nischal,0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db,24,0,ABCD1234,9191919191,2,0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2,1670792533

call to KYC.getCustomer

CALL [call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: KYC.getCustomer(uint256) data: 0xeb8...00001

Debug ^

from	0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to	KYC.getCustomer(uint256) 0xaE036c65C649172b43ef7156b009c6221B596B8b
execution cost	46663 gas (Cost only applies when called by a contract)
input	0xeb8...00001
decoded input	<pre>{ "uint256 accNumber": "1" }</pre>
decoded output	<pre>{ "0": "tuple(uint256,string,address,tuple(uint256,uint8,string,string),uint8,address,uint256): 1,Nischal,0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db,24,0,ABCD1234,9191919191,2,0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2,1670792533" }</pre>
logs	[]