



INK 토큰 크로스체인 스왑 전송 가이드

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주의

1. Ink Labs Foundation 은 초보자가 INK token 크로스체인 전송을 하는 것을 추천드리지 않으며, 블록체인 전문지식이 필요합니다.

초보자들은 저희 측 파트너 거래소에서 크로스체인 스왑을 추천드리며 주소는 다음과 같습니다. <https://gate.io/> , <https://www.zb.com/>

2. <INK 토큰 크로스체인 전송 가이드>를 확인 부탁드립니다, 다음과 같이 요구 사항을 만족시켜 주셔야 합니다.

3. 최소 크로스체인 스왑 토큰량은 "10000 INK" 입니다.

Ink Labs Foundation 은 가이드를 따라하지 않은 사용자로 인해 발생하는 토큰 손실, 크로스체인 토큰 전송 실패 및 토큰 비정상 상태와 같은 문제에 책임을 지지 않습니다.

준비 방법

본 가이드는 사용자가 기존의 지갑 및 도구를 사용하여 QTUM 과 INKchain 및 Ethereum 간의 토큰 전송을 할 수 있도록 안내합니다.



Qtum

Wallet

<https://qtumeco.io/wallet>



참고: 본 파일은 QtumCore(퀀텀 지갑)을 사용 하며, 사용자는 Qtum 스마트 컨트랙트가 지원하는 다른 지갑을 사용 할 수 있습니다.

Explorer

<https://qtum.info> or <https://explorer.qtum.org>

Contract Information

INK Token Address.

fe59cbc1704e89a698571413a81f0de9d8f00c69

XCPlugin Address.

a86608f3bd6e65e7ecd2f473735191756abab48e

XC Address.

494feee4a07450102799ffe179ea3d2eca8d1a9b

Ethereum

Wallet

<https://www.myetherwallet.com>

참고: 본 파일은 MyEtherWallet 을 사용하며 Ethereum 스마트 컨트랙트가 지원하는 다른 지갑을 사용할 수 있습니다.

Explorer

<https://etherscan.io>

Contract Information

INK Token Address.

0xf4c90e18727c5c76499ea6369c856a6d61d3e92e

XCPlugin Address.

0x15782cc68d841416f73e8f352f27cc1bc5e76e11

XC Address.

0x28f1135e43e61ebf303c8f1f9beef4f6a00dcb34

INKchain

INKCHAIN XC Tool

<https://crosschain.ink.plus/#/index>



새 계정 만들기

INKchain 탐색기 메뉴 중 크로스체인 톨 페이지를 선택합니다.

1. 사용자 알림

INKchain 크로스체인 "전송" 페이지를 들어가시면 웹사이트에 크로스체인 구동 가이드가 표시됩니다.

"전송"을 하시기 전에 가이드를 주의 깊게 읽어주세요.

아래 표시된 것처럼 "파일 다운로드" 및 크로스체인 작업 진행"에 대한 액세스를 제공합니다.

Cross-chain Operation Guide

1. Ink Labs Foundation does not recommend beginner users to follow this guide for INK token cross-chain transfer as it requires users to have advanced knowledge of blockchain development. Beginner users are recommended to perform cross-chain transfer on our partner exchange platform.
Partnered exchange: <https://gate.io/> , <https://www.zb.com/>
2. Please read < INK Token Cross-chain Transfer Guide > and make sure to complete the preliminary requirements before proceeding the transfer.
3. The minimum amount for a single cross-chain token transfer is 10000 INK.
4. Ink Labs Foundation will assume no responsibility for issues, such as token loss, token cross-chain transfer failure and token abnormal state, that are caused by users who do not follow the < INK Token Cross-chain Transfer Guide >.

File Download

Proceed To Cross-chain Operation

2. 새 계정 만들기

크로스체인 전송을 진행하려면 INK 계정이 있어야 합니다.

계정이 없는 경우 "새 계정 만들기" 를 클릭합니다.

계정이 있으신 경우 "이미 있음, 건너뛰기" 를 클릭합니다.

① Please follow the < INK Token Cross-chain Transfer Guide > to proceed

Create New Account

Already Have One, Skip

“새 계정 만들기” 을 클릭하면 개인 키와 계정 주소를 기록하라는 메시지가 표시됩니다. (스크린 샷 및 온라인 백업을 사용하는 것은 권장되지 않음). 10 초 후 계정 주소와 개인 키를 받게 됩니다.

① Please follow the < INK Token Cross-chain Transfer Guide > to proceed

Note: The account address is bonded with the private key as the ONLY traceable certificate for the cross-chain transfer. It only appears ONCE in this page. Please make sure to back it up (you are strongly recommended to write it down and save offline). Do Not disclose to anyone!

I Understand

[사용자 알림, 경고 주의 깊게 읽어주십시오!]

본 페이지는 계정 주소 및 개인 키가 표시됩니다. 종이에 적어 두시는 것을 추천 드립니다.

① Please follow the < INK Token Cross-chain Transfer Guide > to proceed

Account Address : **i931954a27131790aec24f086fe94fc5d7303fddf**

Private Key : **5be2030ffad84ddea182667e56753d087cae2ee9ec5f271802c66ecb330a502a**

Next

Note: The account address is bonded with the private key as the ONLY traceable certificate for the cross-chain transfer. It only appears ONCE in this page. Please make sure to back it up (you are strongly recommended to write it down and save offline). Do not disclose to anyone!

[종이에 적어 주세요]

INK 컨소시엄 블록체인 주소와 개인키를 오프라인으로 저장했는지 확인 부탁드리며 “읽었습니다” 를 클릭 후 크로스체인 전송 페이지로 이동됩니다.

① Please follow the <INK Token Cross-chain Transfer Guide> to proceed

Account Address

Private Key

66ecb330a502a

I have read and understood the terms & conditions and already saved the INK consortium blockchain account address and private key offline.

I have saved the INK consortium blockchain address and private key offline.

I have not saved the INK consortium blockchain address and private key offline.

Note: The account address is bonded with the private key as the ONLY traceable certificate for the cross-chain transfer. It only appears ONCE in this page. Please make sure to back it up (you are strongly recommended to write it down and save offline). Do not disclose to anyone!

[확인 후 크로스체인 선택 진행]

계정 조사



Account Information

address: i271bfa27c897053f29d9842bcba4327680cb8ed6

amount:

INK

0

크로스체인 전송

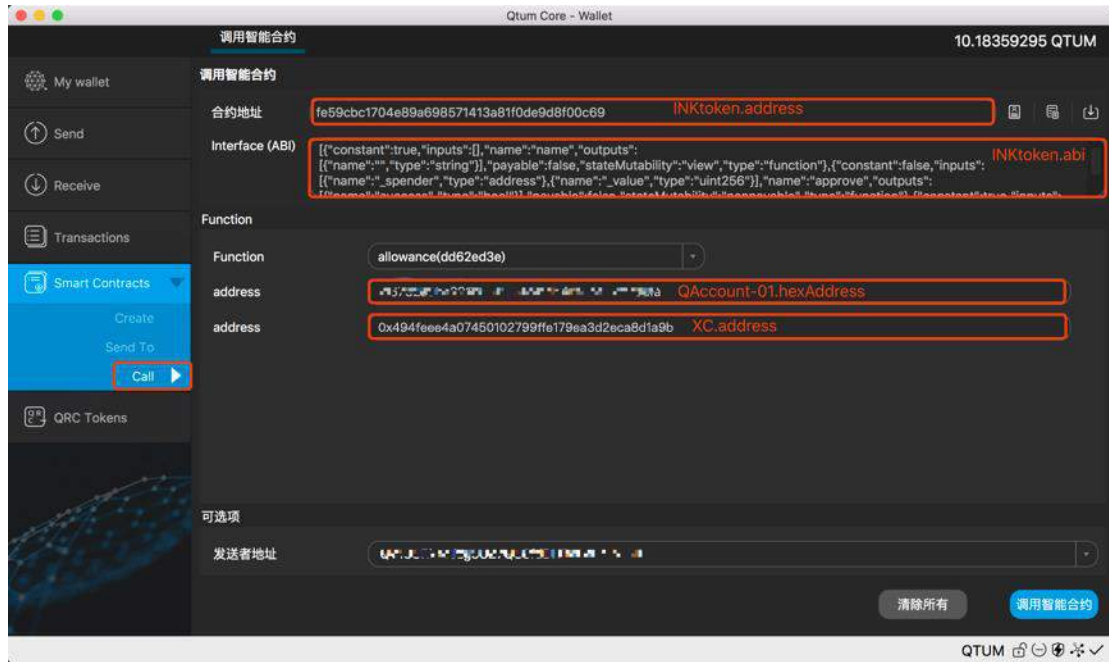
Qtum

Qtum->INKchain 전송

Qtum account QAccou

nt-1 transfers 50000.000000000 INK tokens(50000000000000) to INKchain account IAccount-1

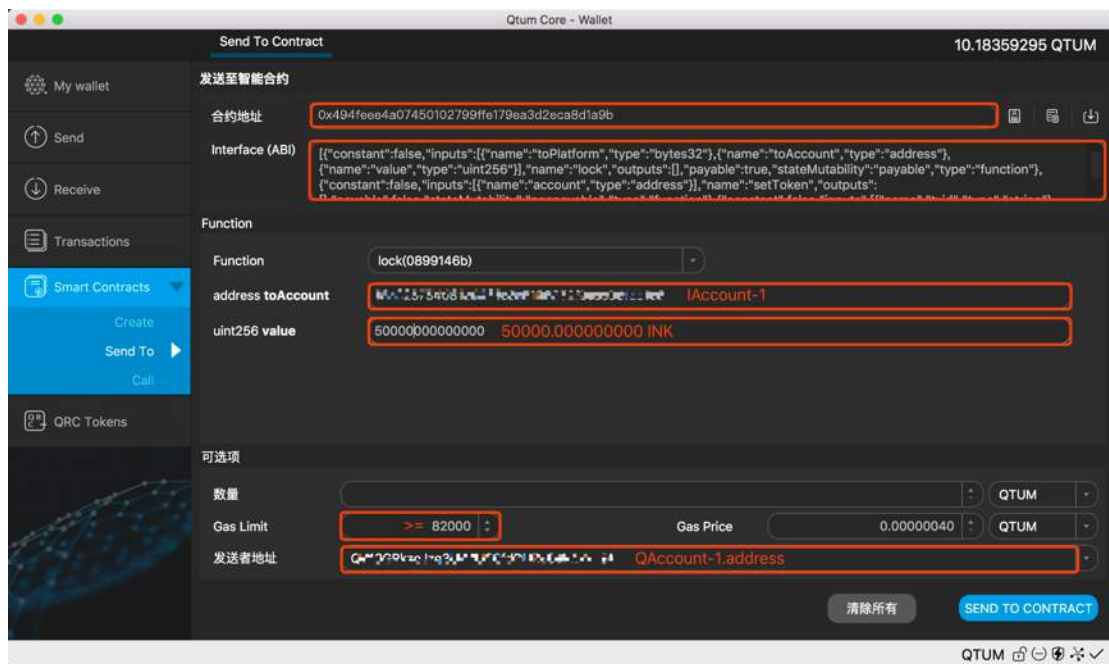
결과가 "성공"인 경우 INKtoken.allowance 를 통해 승인된 금액을 확인할 수 있습니다



(调用智能合约: Call Contract 清除所有: Clear)

클릭 **调用智能合约** 하시고 "Call Contract" 을 불러옵니다.

2. 크로스체인간 트랜잭션 전송 시작 (잠금)



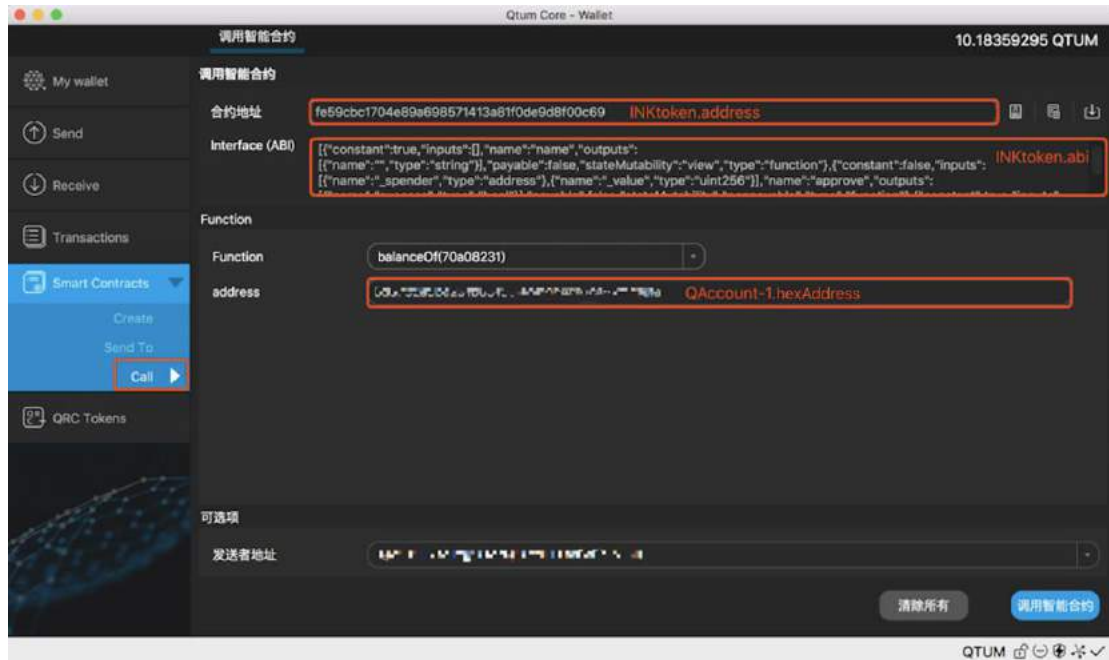
클릭 **SEND TO CONTRACT** 을 하시고, 아래와 같이 트랜잭션 ID 를 받게 됩니다.:



탐색기를 통해서 결과 확인을 합니다 (<https://explorer.qtum.org/tx/{Transaction ID}>)



결과가 "성공"이면 INKtoken.balanceOf 를 통해 QAccount-1 의 잔액을 확인할 수 있습니다.

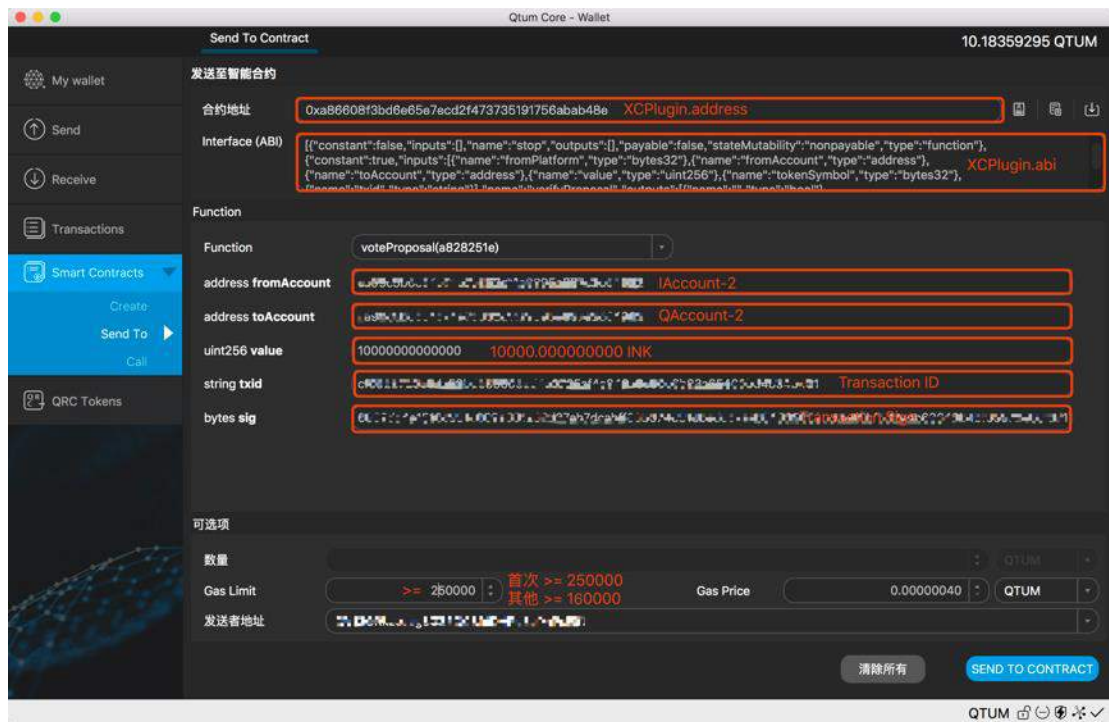


클릭 **调用智能合约** (Call Contract)을 하여 결과를 확인합니다.

INKchain->Qtum 전송

INKchain 계정 IAccount-2 는 10000.000000000 INKtoken 을 Qtum 계정에 QAccount-2 로 전송하므로 전송자의 충분한 트랜잭션 시간이 필요로 합니다.

1. 보팅 프로포절 시작



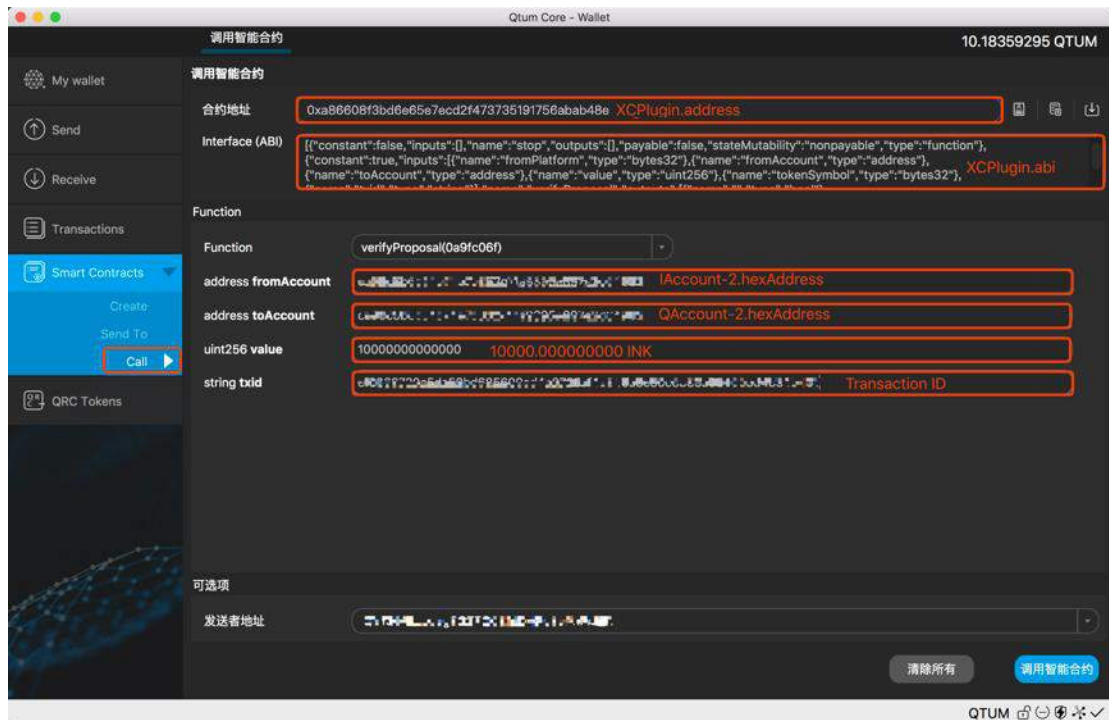
클릭 **SEND TO CONTRACT** 을 하시고, 아래와 같이 트랜잭션 ID 를 받게 됩니다.



탐색기를 통해서 결과 확인을 합니다 (<https://explorer.qtum.org/tx/{Transaction ID}>)

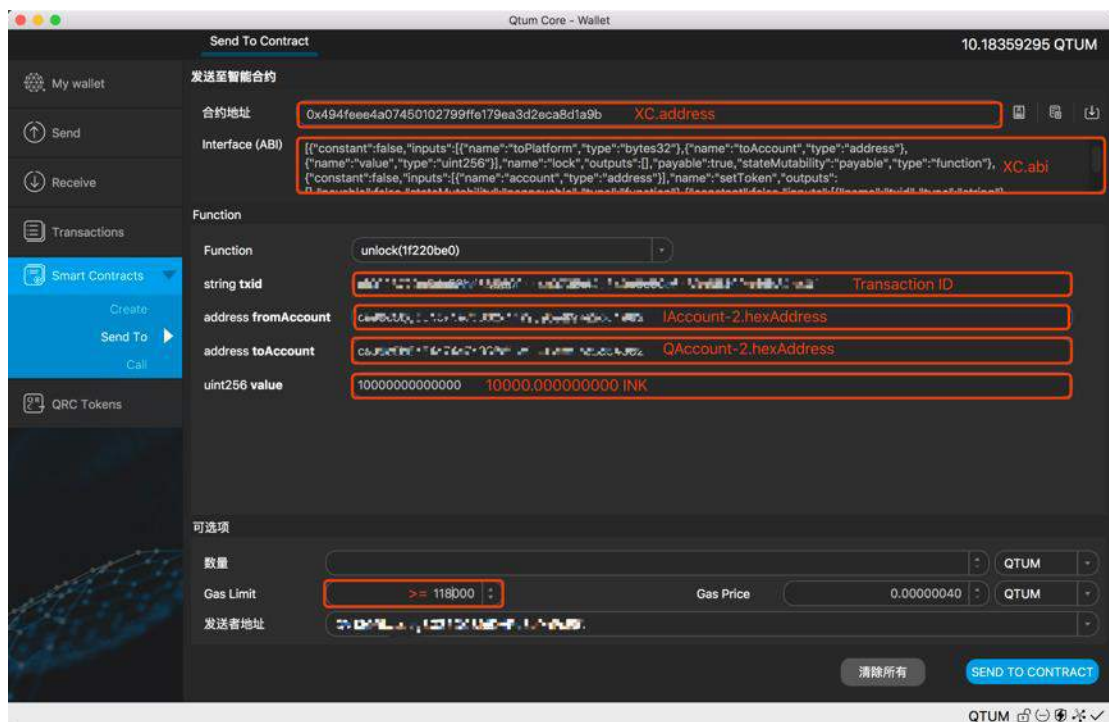


결과가 "성공" ("N" 투표 후)인 경우, 투표 결과를 확인할 수 있습니다. (거래 승인 여부와 상관 없이)



결과가 (false, True)인 경우 전송 작업을 진행할 수 있습니다. 첫번째 결과는 전송 작업의 완료 여부이고 두번째는 투표 제안이 효과적인지 여부입니다.

2. 크로스체인 전송 작동 (잠금해제)



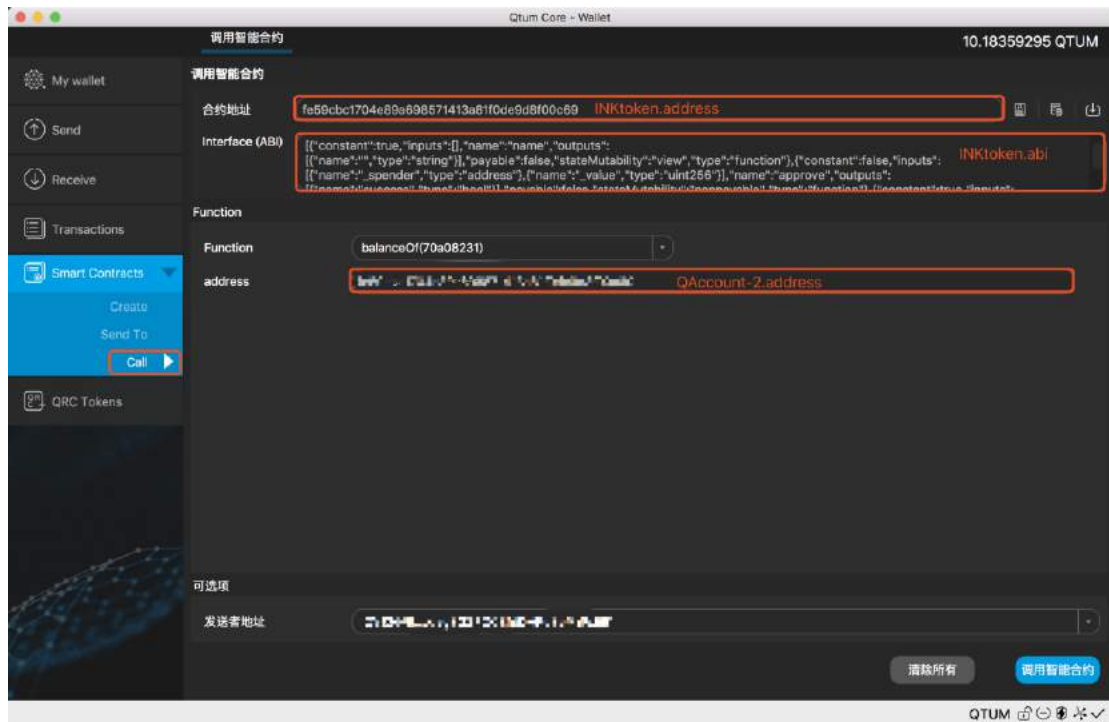
클릭 **SEND TO CONTRACT** 을 하시고, 아래와 같이 트랜잭션 ID 를 받게 됩니다.



탐색기를 통해서 결과 확인을 합니다 (<https://explorer.qtum.org/tx/{Transaction ID}>)



결과가 "성공"이면 INKtoken.BalanceOf 를 통해 QAccount-2 의 잔액 변경을 확인할 수 있습니다.



클릭 **调用智能合约** (Call Contract)을 하여 결과를 확인합니다.

Ethereum

Ethereum->INKchain Transfer

Ethereum 계정 EAccount-1 가 50000.00000000 INKtoken (50000000000000)을 INKchain 계정 IAccount-1 로 전송합니다.

1. EAccount-1 크로스체인 계약에 대한 전송 금액을 승인합니다.

<https://www.myetherwallet.com/#contracts> 로그인 후 계약 정보를 작성합니다.

MyEtherWallet, Inc [US] | <https://www.myetherwallet.com/#contracts>

Interact with Contract or 部署合约

Contract Address **INKtoken.address**

Select Existing Contract

Select a contract...

ABI / JSON Interface **INKtoken.abi**

```
[{"payable": false, "stateMutability": "nonpayable", "type": "constructor"}, {"payable": false, "stateMutability": "nonpayable", "type": "fallback"}, {"anonymous": false, "inputs": [{"indexed": true, "name": "from", "type": "address"}, {"indexed": true, "name": "to", "type": "address"}, {"indexed": false, "name": "value", "type": "uint256"}], "name": "Transfer", "type": "event"}, {"anonymous": false, "inputs": [{"indexed": true, "name": "owner", "type": "address"}, {"indexed": true, "name": "spender", "type": "address"}, {"indexed": false, "name": "value", "type": "uint256"}], "name": "Approval", "type": "event"}]
```

Access

계약 정보를 기입합니다.

Read / Write Contract

0xf4c90e18727c5c76499ea6369c856a6d61d3e92e

approve

_spender address **XC.address**

_value uint256 **50000.000000000 INK**

지갑에 들어갈 수 있는 방법을 선택하십시오!

How would you like to access your wallet?

- ☐ View w/ Address Only
- ☐ MetaMask / Mist
- ☐ Ledger Wallet
- ☐ TREZOR
- ☐ Digital Bitbox
- ☐ Secalot
- ☐ Keystore / JSON File
- ☐ Mnemonic Phrase
- ☒ Private Key
- ☐ Parity Phrase

Paste Your Private Key

This is **not** a recommended way to access your wallet.

Entering your private key on a website is dangerous. If our website is compromised or you accidentally visit a different website, your funds will be stolen. Please consider:

- MetaMask or A Hardware Wallet or Running MEW Offline & Locally
- Learning How to Protect Yourself and Your Funds

If you must, please **double-check the URL & SSL cert**. It should say **https://www.myetherwallet.com & MYETHERWALLET INC** in your URL bar.

Private Key

你将怎样使用钱包?

- ☐ MetaMask / Mist
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- ☐ Mnemonic Phrase
- ☒ 私钥
- ☐ Parity Phrase

粘贴/输入你的私钥

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私钥

EAccount-1

지갑 자금 해제 후, 클릭 **WRITE** 을 하시고 트랜잭션 ID 를 불러오실 수 있으며, 또한 탐색기를 통해 결과를 확인할 수 있습니다. (<https://etherscan.io/tx/{Transaction ID}>)

<https://etherscan.io/tx/0x1c0045a7b20a712000>

Overview Event Logs (2) Comments

Transaction Information ⓘ

Tools & Utilities ▾

TxHash: 0x1c0045a7b20a712000

TxReceipt Status: **Success**

Block Height: 5644970 (44802 block confirmations)

TimeStamp: 7 days 22 hrs ago (May-20-2018 07:31:36 AM +UTC)

TxReceipt Status 가 "성공"이 되면 INKtoken.allowance 를 통해 승인된 금액을 확인할 수 있습니다.

Read / Write Contract

0xf4c90e18727c5c76499ea6369c856a6d61d3e92e

allowance ▾

address EAccount-1.address

0x1c0045a7b20a712000

address XC.address

0x28f1135e43e61ebf303c8f1f9beef4f6a00dcb34

Click **READ** to check result

2. 크로스체인 전송 작동 (잠금)

Contract Address XC.address

0x28f1135e43e61ebf303c8f1f9beef4f6a00dcb34

Select Existing Contract

Select a contract...

ABI / JSON Interface XC.abi

```
{
  "indexed": false, "name": "tokenSymbol", "type": "bytes32",
  "name": "Lock", "type": "event",
  "anonymous": false, "inputs": [
    { "indexed": false, "name": "txid", "type": "string",
    { "indexed": false, "name": "fromPlatform", "type": "bytes32",
    { "indexed": false, "name": "fromAccount", "type": "address",
    { "indexed": false, "name": "value", "type": "bytes32",
    { "indexed": false, "name": "tokenSymbol", "type": "bytes32",
    "name": "Unlock", "type": "event",
    "anonymous": false, "inputs": [
    { "indexed": false, "name": "from", "type": "address",
    { "indexed": false, "name": "value", "type": "bytes32",
    "name": "Deposit", "type": "event"
  ]
}
```

Access

계약 정보 기입합니다.

lock ▾

toAccount address IAccount-1.address

0x1c0045a7b20a712000

value uint256 50000.000000000 INK

50000000000000

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- ☐ Digital Bitbox
- ☐ Secalot
- ☐ Keystore / JSON File ⓘ
- ☐ Mnemonic Phrase ⓘ
- ☒ Private Key ⓘ
- ☐ Parity Phrase ⓘ

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Private Key

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私钥

EAccount-1

지갑 잠금 해제 후, 클릭 **WRITE** 을 하시고 트랜잭션 ID 를 불러오실 수 있으며, 또한 탐색기를 통해 결과를 확인할 수 있습니다. (<https://etherscan.io/tx/{Transaction ID}>)

[Overview](#)
[Event Logs \(2\)](#)
[Comments](#)

Transaction Information

Tools & Utilities

TxHash: [0x15782cc68d841416f73e8f352f27cc1bc5e76e11](#)

TxReceipt Status: **Success**

Block Height: [5644870](#) (44802 block confirmations)

TimeStamp: 7 days 22 hrs ago (May-20-2018 07:31:36 AM +UTC)

TxReceipt Status 가 “성공” 이 되면 INKtoken.allowance 를 통해 승인된 금액을 확인할 수 있습니다.

Read / Write Contract

0xf4c90e18727c5c76499ea6369c856a6d61d3e92e

balanceOf -

address: EAccount-1.address

[0xf4c90e18727c5c76499ea6369c856a6d61d3e92e](#)



클릭 **READ** 를 눌러 확인하십시오.

INKchain->Ethereum 전송

1. INKchain 계정 IAccount-2 는 10000.000000000 INKtoken 을 Ethereum 계정에 EAccount-2 로 전송하므로 전송자의 충분한 트랜잭션 시간이 필요로 합니다.

2. 보팅 프로포절 시작

Contract Address XCPugin.address

[0x15782cc68d841416f73e8f352f27cc1bc5e76e11](#)

Select Existing Contract

Select a contract...

ABI / JSON Interface XCPugin.abi

```
[{"name": "platformName", "type": "bytes32"}, {"name": "publicKeys", "outputs": [{"name": "", "type": "address[]"}, {"payable": false, "stateMutability": "view", "type": "function"}, {"constant": false, "inputs": [{"name": "platformName", "type": "bytes32"}, {"name": "publicKey", "type": "address"}], "name": "deletePublicKey", "outputs": [{"payable": false, "stateMutability": "nonpayable", "type": "function"}, {"inputs": [{"payable": false, "stateMutability": "nonpayable", "type": "constructor"}]}
```

Access

계약 정보를 기입합니다.

voteProposal

fromAccount address

IAccount-2.address

0x4200

toAccount address

EAccount-2.address

0x4200

value uint256

50000.0000000000 INK

5000000000000000

txid string

Transaction ID

0x4200

sig bytes

Transaction Sign

0x4200

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Mnemonic Phrase

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This is not a recommended way to access your wallet.

Entering your private key on a website is dangerous. If our website is compromised or you accidentally visit a different website, your funds will be stolen. Please consider:

- MetaMask or A Hardware Wallet or Running MEW Offline & Locally
- Learning How to Protect Yourself and Your Funds

If you must, please double-check the URL & SSL cert. It should say <https://www.myetherwallet.com> & MYETHERWALLET INC in your URL bar.

私钥

지갑 잠금 해제 후, 클릭 **WRITE** 을 하시고 트랜잭션 ID 를 불러오실 수 있으며, 또한 탐색기를 통해 결과를 확인할 수 있습니다. ([https://etherscan.io/tx/\(Transaction ID\)](https://etherscan.io/tx/(Transaction ID)))

Overview

Event Logs (2)

Comments

Transaction Information

Tools & Utilities

TxHash:
 TxReceipt Status: **Success**

결과가 "성공" ("N" 투표 후)인 경우, 투표 결과를 XCPlugin.Verify Proposal 을 통해 확인할 수 있습니다. (거래 승인 여부와 상관 없이)

verifyProposal

fromAccount address IAccount-2.address

toAccount address EAccount-2.address

value uint256 10000.0000000000 INK

txid string Transaction ID

3. 결과가 (false, True)인 경우 전송 작업을 진행할 수 있습니다. 첫번째 결과는 전송 작업의 완료 여부이고 두번째는 투표 제안이 효과적인지 여부입니다.

충분한 트랜잭션 확인이 된 후 크로스체인 간 전송을 진행할 수 있습니다.

4. 크로스체인 전송 (잠금 해제)

Contract Address XC.address

Select Existing Contract
Select a contract...

ABI / JSON Interface XC.abi

```
{
  "indexed": false, "name": "tokenSymbol", "type": "bytes32",
  "name": "Lock", "type": "event",
  "anonymous": false, "inputs": [
    { "indexed": false, "name": "txid", "type": "string",
      "indexed": false, "name": "fromPlatform", "type": "bytes32",
      "indexed": false, "name": "fromAccount", "type": "address",
      "indexed": false, "name": "value", "type": "bytes32",
      "indexed": false, "name": "tokenSymbol", "type": "bytes32",
      "name": "Unlock", "type": "event",
      "anonymous": false, "inputs": [
        { "indexed": false, "name": "from", "type": "address",
          "indexed": false, "name": "value", "type": "bytes32",
          "name": "Deposit", "type": "event"
        ]
      ]
    }
  ]
}
```

Access

관련 정보 입력

unlock

txid string Transaction ID

fromAccount address IAccount-2.address

toAccount address EAccount-2.address

value uint256 10000.0000000000 INK

지갑에 들어갈 수 있는 방법을 선택하십시오!

How would you like to access your wallet?

- ☐ View w/ Address Only
- ☐ MetaMask / Mist
- ☐ Ledger Wallet
- ☐ TREZOR
- ☐ Digital Bitbox
- ☐ Secalot
- ☐ Keystore / JSON File
- ☐ Mnemonic Phrase
- ☒ Private Key
- ☐ Parity Phrase

Paste Your Private Key

This is not a recommended way to access your wallet.
 Entering your private key on a website is dangerous. If our website is compromised or you accidentally visit a different website, your funds will be stolen. Please consider:

- MetaMask or A Hardware Wallet or Running MEW Offline & Locally
- Learning How to Protect Yourself and Your Funds

If you must, please double-check the URL & SSL cert. It should say <https://www.myetherwallet.com> & MYETHERWALLET. INC in your URL bar.

你将怎样使用钱包?

- ☐ MetaMask / Mist
- ☐ Ledger Wallet
- ☐ TREZOR
- ☐ Digital Bitbox
- ☐ Secalot
- ☐ Keystore / JSON File
- ☐ Mnemonic Phrase
- ☒ 私钥
- ☐ Parity Phrase

粘贴/输入你的私钥

This is **not** a recommended way to access your wallet.
 Entering your private key on a website is dangerous. If our website is compromised or you accidentally visit a different website, your funds will be stolen. Please consider:

- MetaMask or A Hardware Wallet or Running MEW Offline & Locally
- Learning How to Protect Yourself and Your Funds

If you must, please **double-check** the URL & SSL cert. It should say <https://www.myetherwallet.com> & MYETHERWALLET, INC. in your URL bar.

私钥
 EAccount-1

지갑 잠금 해제 후, 클릭 **WRITE** 을 하시고 트랜잭션 ID 를 불러오실 수 있으며, 또한 탐색기를 통해 결과를 확인할 수 있습니다. (<https://etherscan.io/tx/{Transaction ID}>)

Overview

Event Logs (2)

Comments

Transaction Information

Tools & Utilities

TxHash: [0x4c90e18727c5c76499ea6369c856a6d61d3e92e](#)

TxReceipt Status: **Success**

Block Height: [5644870](#) (44802 block confirmations)

TimeStamp: 7 days 22 hrs ago (May-20-2018 07:31:36 AM +UTC)

TxReceipt Status 가 “성공”이 되면 INKtoken.balance of EAccount-2 를 통해 INKtoken.balanceOf 금액을 확인할 수 있습니다.

Read / Write Contract

0xf4c90e18727c5c76499ea6369c856a6d61d3e92e

balanceOf

address: EAccount-2.address

0x4c90e18727c5c76499ea6369c856a6d61d3e92e

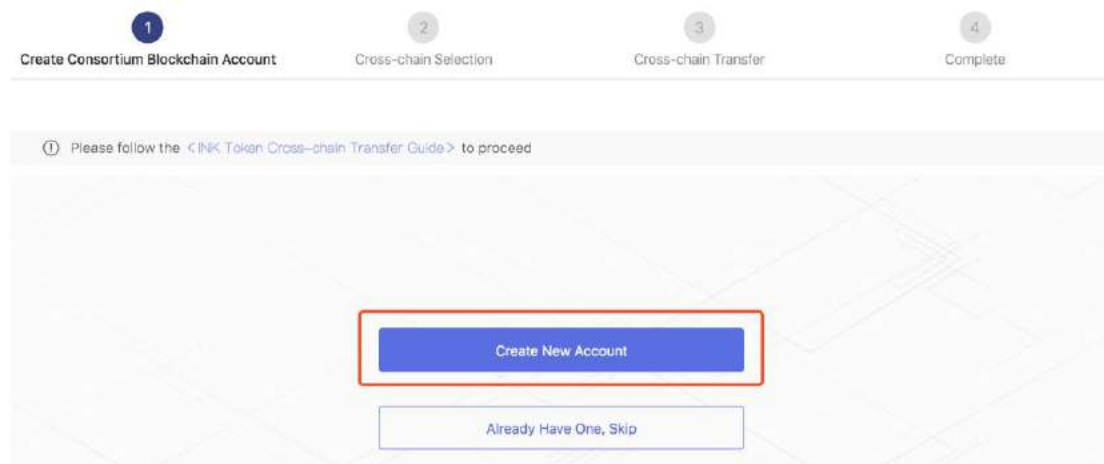
Click **READ** to check result.

INKchain

INKchain->Qtum(Ethereum) 전송

INKchain 계정 IAccount-2 는 10000.000000000 INKtoken 을 Qtum 혹은 (Ethereum)계정에 Qaccount2 (EAccount-2)로 전송하므로 전송자의 충분한 트랜잭션 시간이 필요로 합니다.

1. INKchain 계정을 생성합니다.



1. Create Consortium Blockchain Account

2. Cross-chain Selection

3. Cross-chain Transfer

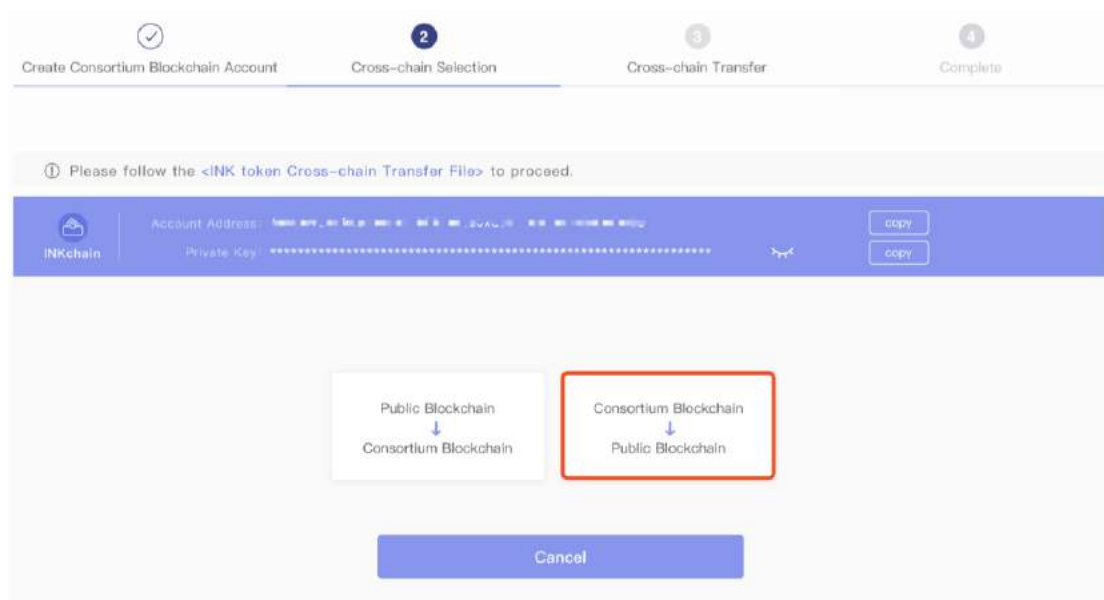
4. Complete

① Please follow the <INK Token Cross-chain Transfer Guide> to proceed

Create New Account

Already Have One, Skip

2. “컨소시엄 블록체인 -> 퍼블릭 블록체인” 을 선택합니다.



1. Create Consortium Blockchain Account

2. Cross-chain Selection

3. Cross-chain Transfer

4. Complete

① Please follow the <INK token Cross-chain Transfer File> to proceed.

Account Address: [Address] [copy]

Private Key: [Key] [copy]

Public Blockchain
↓
Consortium Blockchain

Consortium Blockchain
↓
Public Blockchain

Cancel

3. 크로스체인 전송을 진행하려면 관련 정보를 입력하십시오

정보 입력 페이지에 (퍼블릭 블록체인, 퍼블릭 블록체인 주소, 트랜잭션 금액 및 컨소시엄 블록체인 계정 및 개인 키)를 포함해 전송 정보를 입력합니다.

참고: 전송 금액이 10000 INK 미만은 크로스체인 전송을 지원하지 않습니다.

✓

Create Consortium Blockchain Account

✓

Cross-chain Selection

3

Cross-chain Transfer

4

Complete

① Please follow the <INK token Cross-chain Transfer File> to proceed.

INKchain

Account Address: 0x5d6732a9be291b6313652491c0xd3970927a9fc6dd00628

Private Key: 0xd3970927a9fc6dd00628

Public Blockchain Name: ☒ ETH ☐ QTUM 选择Ethereum 或 Qtum

Public Blockchain Account Address: EAccount-2.address 或 QAccount-2.address

Transfer Amount: 10000000000000 (即 10000INK)

Consortium Blockchain Account Private Key: IAccount-2.PrivateKey

Consortium Blockchain

↓

Public Blockchain

Cancel

Next

“다음”을 클릭하시고 채워진 정보가 올바른 품인지 확인 후 프로세스를 보여주는 팝업이 나타납니다.

✓

Create Consortium Blockchain Account

✓

Cross-chain Selection

✓

Cross-chain Transfer

4

Complete

① Please follow the <INK token Cross-chain Transfer File> to proceed.

INKchain

Account Address: 0x5d6732a9be291b6313652491c0xd3970927a9fc6dd00628

Private Key: *****

Public Blockchain Name: ☒ ETH ☐ QTUM 选择Ethereum 或 Qtum

Public Blockchain Account Address: EAccount-2.address 或 QAccount-2.address

Transfer Amount: 10000000000000 (即 10000INK)

Consortium Blockchain Account Private Key: IAccount-2.PrivateKey

Consortium Blockchain

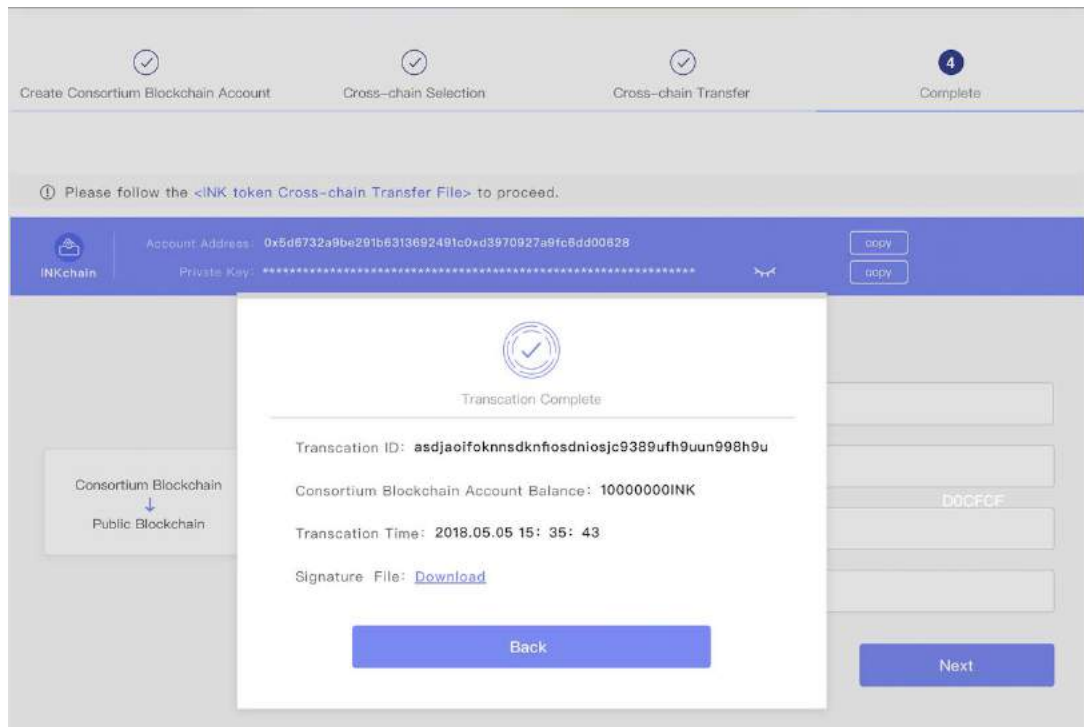
↓

Public Blockchain

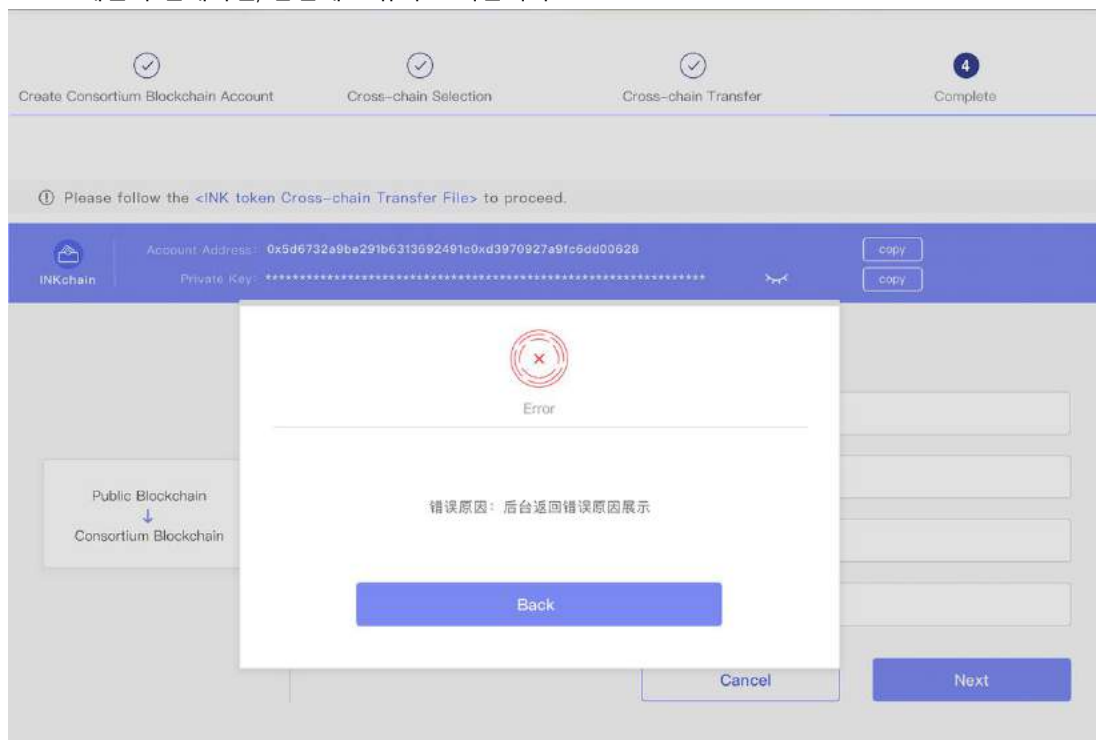
Processing...

Next

전송에 성공하면 팝업에 다음과 같이 TxID, 거래 금액, 거래 시간 및 서명 파일을 포함한 거래 정보가 표시됩니다.



크로스체인이 실패하면, 팝업에 오류가 표시됩니다.



[错误原因: 后台返回错误原因展示 Cause of the error: Back to the backstage for error cause]

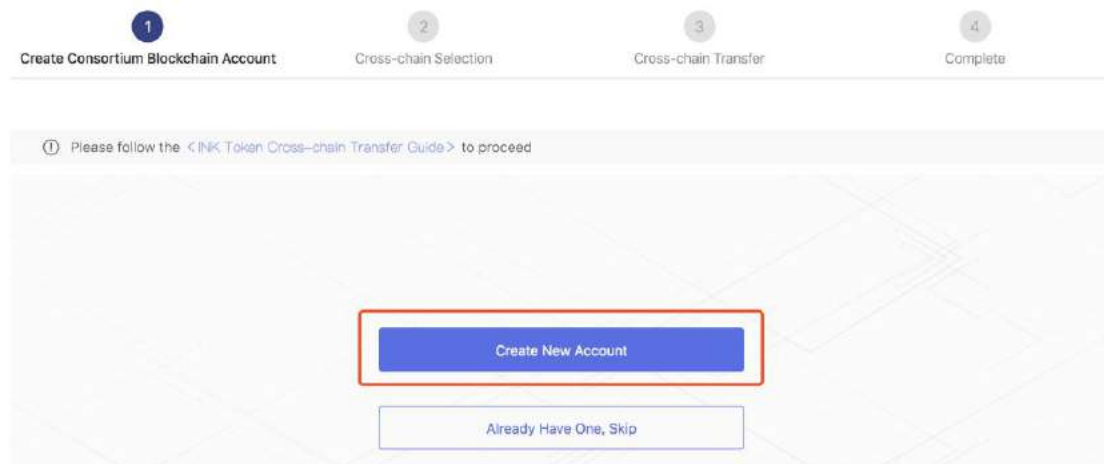
4. INKchain 탐색기에서 INKtoken 전송 확인



Qtum(Ethereum)->INKchain 전송

Qtum(Ethereum) 계정 QAccount-1 (EAccount-1)가 50000.00000000 INKtoken (50000000000000)을 INKchain 계정 IAccount-1 로 전송합니다.

1. INKchain 계정 생성



2. “컨소시엄 블록체인 -> 퍼블릭 블록체인” 을 선택합니다.



4. 3. 크로스체인 전송을 진행하려면 관련 정보를 입력하십시오

정보 입력 페이지에 (퍼블릭 블록체인, 퍼블릭 블록체인 주소, 트랜잭션 금액 및 컨소시엄 블록체인 계정 및 개인 키)를 포함해 전송 정보를 입력합니다.

참고: 전송 금액이 10000 INK 미만은 크로스체인 전송을 지원하지 않습니다.

1 Create Consortium Blockchain Account
2 Cross-chain Selection
3 Cross-chain Transfer
 4 Complete

① Please follow the <INK token Cross-chain Transfer File> to proceed.

INKchain

Account Address: 0x...
copy

Private Key: 0x...
copy

Public Blockchain
↓
Consortium Blockchain

Public Blockchain Name: ☒ ETH ☐ QTUM 选择Ethereum 或Qtum

Public Blockchain Account Address: EAccount-1.address 或 QAccount-1.address

Transfer Amount: 50000000000000 (即50000 INK)

Consortium Blockchain Account Address: IAccount-1.address

Public Blockchain Transaction TxID: Transaction ID

Cancel
Next

[Choose Ethereum or Qtum public blockchain]

“다음”을 클릭하시고 채워진 정보가 올바른 품인지 확인 후 프로세스를 보여주는 팝업이 나타납니다.

1 Create Consortium Blockchain Account
2 Cross-chain Selection
3 Cross-chain Transfer
4 Complete

① Please follow the <INK token Cross-chain Transfer File> to proceed.

INKchain

Account Address: 0x5d6732a9ba291b6313692491e0xd3970927a9fe6dd00628
copy

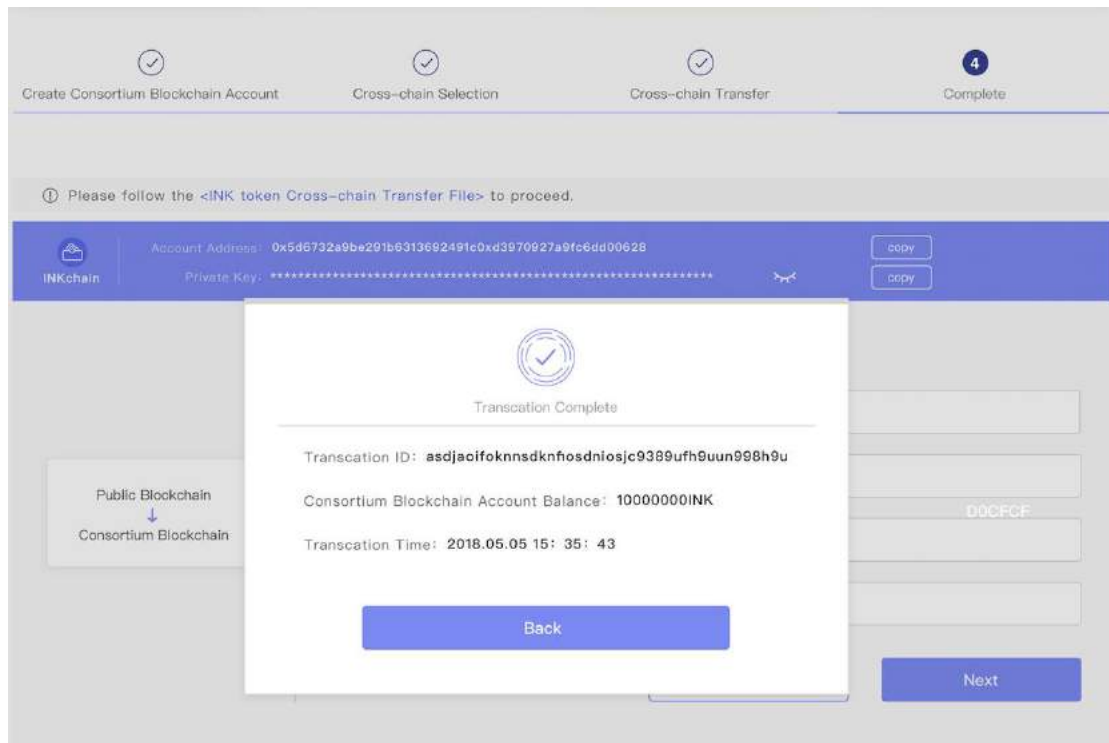
Private Key:
copy



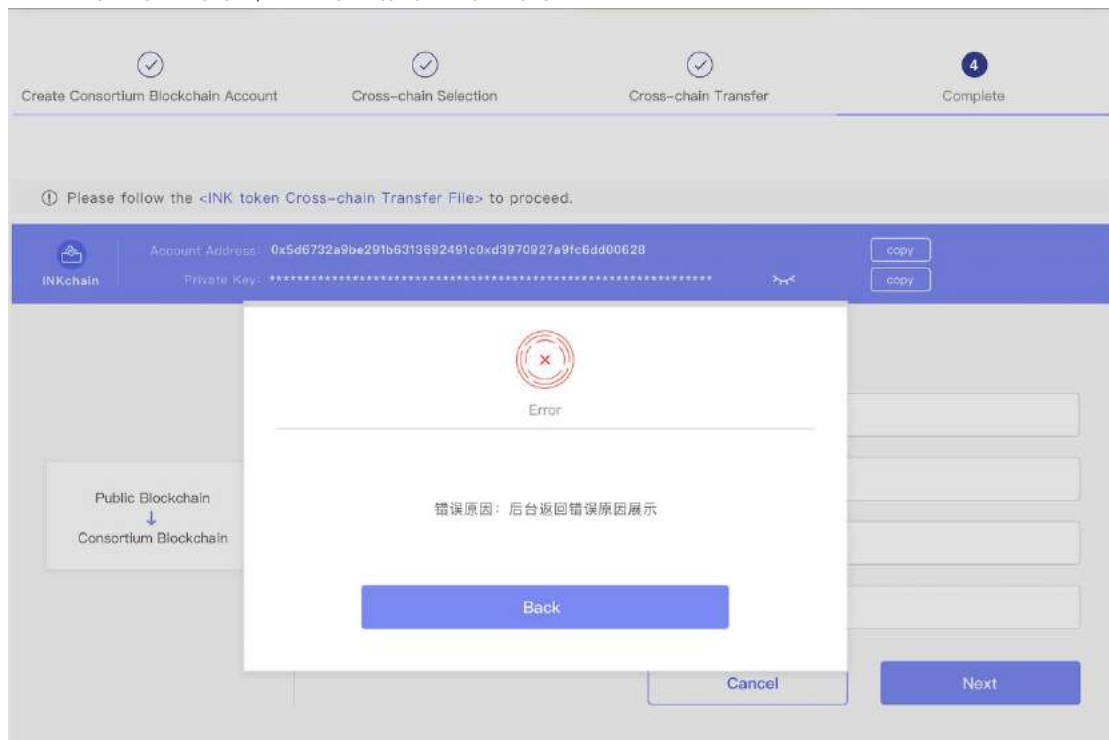
Processing...

Next

전송에 성공하면 팝업에 다음과 같이 TxID, 거래 금액, 거래 시간 및 서명 파일을 포함한 거래 정보가 표시됩니다.



크로스체인이 실패하면, 팝업에 오류가 표시됩니다.



4. INKchain 탐색기에서 INKtoken 전송 확인



부록

가스 리미트 추천 리스트

Contract	Function	Gaslimit
Token	approve	≥ 46000
XCPlugin	voteProposal	≥ 250000 for the first transaction ≥ 150000 for non-first
XC	lock	≥ 82000
XC	unlock	≥ 118000

ABI

Ethereum Contract ABI

INK Token ABI

```
[{"constant":true,"inputs":[],"name":"name","outputs":[{"name":"","type":"string"}],"payable":false,"stateMutability":"view","type":"function"}, {"constant":false,"inputs":[{"name":"_spender","type":"address"}, {"name":"_value","type":"uint256"}],"name":"approve","outputs":[{"name":"success","type":"bool"}],"payable":false,"stateMutability":"nonpayable","type":"function"}, {"constant":true,"inputs":[],"name":"totalSupply","outputs":[{"name":"","type":"uint256"}],"payable":false,"stateMutability":"view","type":"function"}, {"constant":false,"inputs":[{"name":"_from","type":"address"}, {"name":"_to","type":"address"}, {"name":"_value","type":"uint256"}],"name":"transferFrom","outputs":[{"name":"success","type":"bool"}],"payable":false,"stateMutability":"nonpayable","type":"function"}, {"constant":true,"inputs":[],"name":"decimals","outputs":[{"name":"","type":"uint8"}],"payable":false,"stateMutability":"view","type":"function"}, {"constant":true,"inputs":[{"name":"_owner","type":"address"}],"name":"balanceOf","outputs":[{"name":"balance","type":"uint256"}],"payable":false,"stateMutability":"view","type":"function"}, {"constant":true,"inputs":[],"name":"symbol","outputs":[{"name":"","type":"string"}],"payable":false,"stateMutability":"view","type":"function"}, {"constant":false,"inputs":[{"name":"_to","type":"address"}, {"name":"_value","type":"uint256"}],"name":"transfer","outputs":[{"name":"success","type":"bool"}],"payable":false,"stateMutability":"nonpayable","type":"function"}, {"constant":true,"inputs":[{"name":"_owner","type":"address"}, {"name":"_spender","type":"address"}],"name":"allowance","outputs":[{"name":"remaining","type":"uint256"}],"payable":false,"stateMutability":"view","type":"function"}, {"inputs":[],"payable":false,"stateMutability":
```

```
": "nonpayable", "type": "constructor"}, {"anonymous": false, "inputs": [{"indexed": true, "name": "_from", "type": "address"}, {"indexed": true, "name": "_to", "type": "address"}, {"indexed": false, "name": "_value", "type": "uint256"}], "name": "Transfer", "type": "event"}, {"anonymous": false, "inputs": [{"indexed": true, "name": "_owner", "type": "address"}, {"indexed": true, "name": "_spender", "type": "address"}, {"indexed": false, "name": "_value", "type": "uint256"}], "name": "Approval", "type": "event"}]
```

XCPlugin ABI

```
[{"constant": false, "inputs": [], "name": "stop", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": true, "inputs": [{"name": "fromAccount", "type": "address"}, {"name": "toAccount", "type": "address"}, {"name": "value", "type": "uint256"}, {"name": "txid", "type": "string"}], "name": "verifyProposal", "outputs": [{"name": "", "type": "bool"}, {"name": "", "type": "bool"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": false, "inputs": [{"name": "publicKey", "type": "address"}], "name": "deletePublicKey", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": false, "inputs": [{"name": "caller", "type": "address"}], "name": "deleteCaller", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": true, "inputs": [{"name": "txid", "type": "string"}], "name": "getProposal", "outputs": [{"name": "status", "type": "bool"}, {"name": "fromAccount", "type": "address"}, {"name": "toAccount", "type": "address"}, {"name": "value", "type": "uint256"}, {"name": "voters", "type": "address[]"}, {"name": "weight", "type": "uint256"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": true, "inputs": [], "name": "getTrustPlatform", "outputs": [{"name": "name", "type": "bytes32"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": false, "inputs": [{"name": "fromAccount", "type": "address"}, {"name": "toAccount", "type": "address"}, {"name": "value", "type": "uint256"}, {"name": "txid", "type": "string"}, {"name": "sig", "type": "bytes"}], "name": "voteProposal", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": true, "inputs": [], "name": "getStatus", "outputs": [{"name": "", "type": "bool"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": true, "inputs": [], "name": "countOfPublicKey", "outputs": [{"name": "", "type": "uint256"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": true, "inputs": [{"name": "publicKey", "type": "address"}], "name": "existPublicKey", "outputs": [{"name": "", "type": "bool"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": false, "inputs": [{"name": "txid", "type": "string"}], "name": "deleteProposal", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": true, "inputs": [], "name": "getAdmin", "outputs": [{"name": "", "type": "address"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": false, "inputs": [{"name": "account", "type": "address"}], "name": "setAdmin", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": false, "inputs": [{"name": "caller", "type": "address"}], "name": "addCaller", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": true, "inputs": [{"name": "caller", "type": "address"}], "name": "existCaller", "outputs": [{"name": "", "type": "bool"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": false, "inputs": [{"name": "txid", "type": "string"}], "name": "commitProposal", "outputs": [{"name": "", "type": "bool"}], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": true, "inputs": [], "name": "getWeight", "outputs": [{"name": "", "type": "uint256"}], "payable": false, "stateMutability": "view", "type": "function"}, {"constant": false, "inputs": [], "name": "start", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": false, "inputs": [{"name": "publicKey", "type": "address"}], "name": "addPublicKey", "outputs": [], "payable": false, "stateMutability": "nonpayable", "type": "function"}, {"constant": true, "inputs": [], "name": "getPlatformName", "outputs": [{"name": "", "type": "string"}], "payable": false, "stateMutability": "view", "type": "function"}]
```

```
e":"bytes32"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":true, "inputs": [], "name":"getCallers", "outputs":[{"name":"","type":"address[]"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":true, "inputs": [], "name":"publicKeys", "outputs":[{"name":"","type":"address[]"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":true, "inputs": [], "name":"getTokenSymbol", "outputs":[{"name":"","type":"bytes32"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":false, "inputs":[{"name":"weight", "type":"uint256"}], "name":"setWeight", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"inputs": [], "payable":false, "stateMutability":"nonpayable", "type":"constructor"}
```

XC ABI

```
{ "constant":false, "inputs":[{"name":"account", "type":"address"}], "name":"setToken", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"constant":true, "inputs": [], "name":"getToken", "outputs":[{"name":"","type":"address"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":false, "inputs":[{"name":"toAccount", "type":"address"}, {"name":"value", "type":"uint256"}], "name":"lock", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"constant":false, "inputs":[{"name":"status", "type":"uint8"}], "name":"setStatus", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"constant":true, "inputs": [], "name":"getXCPlugin", "outputs":[{"name":"","type":"address"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":true, "inputs": [], "name":"getStatus", "outputs":[{"name":"","type":"uint8"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":true, "inputs": [], "name":"getAdmin", "outputs":[{"name":"","type":"address"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":false, "inputs":[{"name":"account", "type":"address"}], "name":"setAdmin", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"constant":false, "inputs":[{"name":"account", "type":"address"}], "name":"setXCPlugin", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"constant":false, "inputs":[{"name":"txid", "type":"string"}, {"name":"fromAccount", "type":"address"}, {"name":"toAccount", "type":"address"}, {"name":"value", "type":"uint256"}], "name":"unlock", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"constant":true, "inputs": [], "name":"getPlatformName", "outputs":[{"name":"","type":"bytes32"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":true, "inputs": [], "name":"lockBalance", "outputs":[{"name":"","type":"uint256"}], "payable":false, "stateMutability":"view", "type":"function"}, {"constant":false, "inputs":[{"name":"account", "type":"address"}, {"name":"value", "type":"uint256"}], "name":"withdraw", "outputs": [], "payable":false, "stateMutability":"nonpayable", "type":"function"}, {"inputs": [], "payable":false, "stateMutability":"nonpayable", "type":"constructor"}, {"anonymous":false, "inputs":[{"indexed":false, "name":"toPlatform", "type":"bytes32"}, {"indexed":false, "name":"toAccount", "type":"address"}, {"indexed":false, "name":"value", "type":"bytes32"}, {"indexed":false, "name":"tokenSymbol", "type":"bytes32"}], "name":"Lock", "type":"event"}, {"anonymous":false, "inputs":[{"indexed":false, "name":"txid", "type":"string"}, {"indexed":false, "name":"fromPlatform", "type":"bytes32"}, {"indexed":false, "name":"fromAccount", "type":"address"}, {"indexed":false, "name":"value", "type":"bytes32"}, {"indexed":false, "name":"tokenSymbol", "type":"bytes32"}], "name":"Unlock", "type":"event"}
```

Qtum Contract ABI

INK Token ABI

```
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XCPlugin ABI

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XC ABI

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