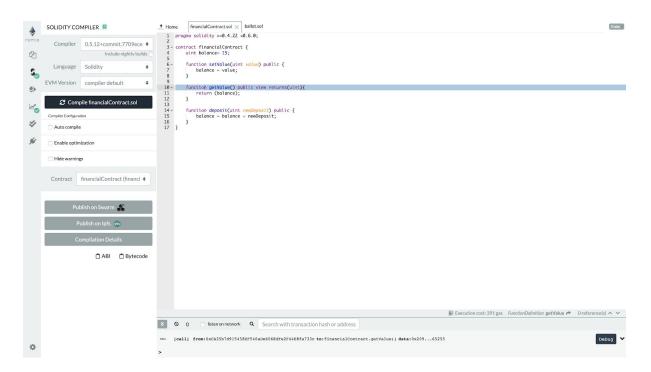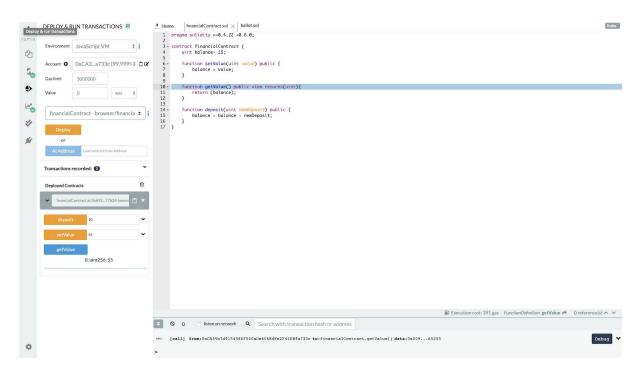TIC-BLK4

Etape 2

"Deploy and interact with your smart contrat in your Private Network"

Thomas SIMOES

Ecriture et compilation du smart contract:

Déploiement et utilisation du smart contract:

```solidity
pragma solidity >=0.4.22 <0.6.0;

contract FinancialContract {
    uint balance= 1500;

    constructor() payable public {

    }

    function receiveDeposit()  payable public {
    }

    function setValue(uint value) public {
        balance = value;
    }

    function getValue() public view returns(uint){
        return (balance);
    }

    function deposit(uint newDeposit) public {
        balance = balance + newDeposit;
    }

    function getBalance() public view returns(uint){
        return (address(this).balance);
    }
}
```

Lancement de ganache:

Import du serveur RPC de Ganache à MyEtherWallet:

Déploiement du smart contract sur MyEtherWallet:

MyEtherWallet

3.40.0 English ▾ | Gas Price: 41 Gwei ▾ | Network Private ETH Node:eth (Custom) ▾

The network is really full right now. Check **Eth Gas Station** for gas price to use.

New Wallet   Send Ether & Tokens   🦊 Swap   Send Offline   Contracts   ENS   DomainSale   Check TX Status   View Wallet Info   Help

Interact with Contract or **Deploy Contract**

Byte Code

5260200191505060405180910390f35b3480156100d757600080fd5b50610104600480360360208110156100ee57600080fd5b8101908080359060200190929190505050610
205565b005b3480156101011257600080fd5b5061013f600480360360208110156101012957600080fd5b8101908080359060200190929190505050610 2a9565b005b3480156101
4d57600080fd5b506101566102b3565b604051808273ffffffffffffffffffffffffffffffffffffffff1673ffffffffffffffffffffffffffffffffffffffff16815260200
19150506040518091039f35b3480156101a457600080fd5b5061016004803603602081101561bb57600080fd5b8101908080359060200190929190505050 6102dd565b
005b6101db6102eb565b005b60003073ffffffffffffffffffffffffffffffffffffffff1631905090565b600080549050090565b3373ffffffffffffffffffffffffffffffff
ffffffff16600160009054906101000a900473ffffffffffffffffffffffffffffffffffffffff1673fffffffffffffffffffffffffffffffffffffffff161461025f576000
80fd5b3373ffffffffffffffffffffffffffffffffffffffff166108fc8290811502906040516000604051808303818158888f19350505050501580156102a5573d6000803e3d6
000fd5b5050565b806000819055505050565b600060016000905490610100a900473ffffffffffffffffffffffffffffffffffffffff16905090565b80600054160008190055

Gas Limit

311308

Sign Transaction

Raw Transaction

{"nonce":"0x00","gasPrice":"0x098bca5a00","gasLimit":"0x04c00c","t
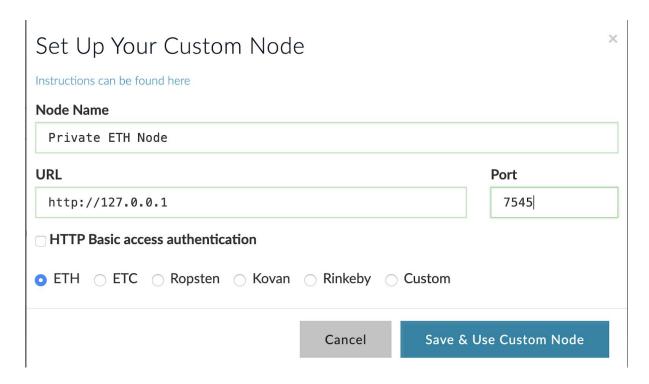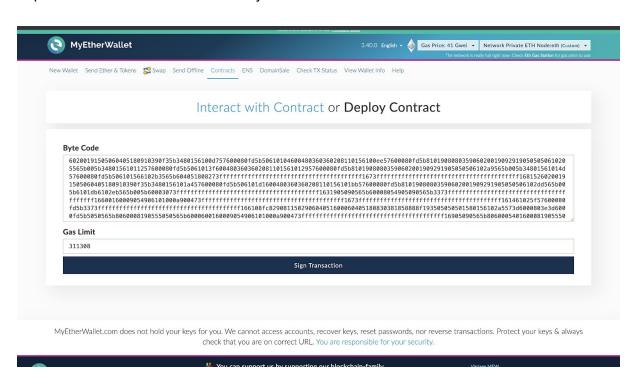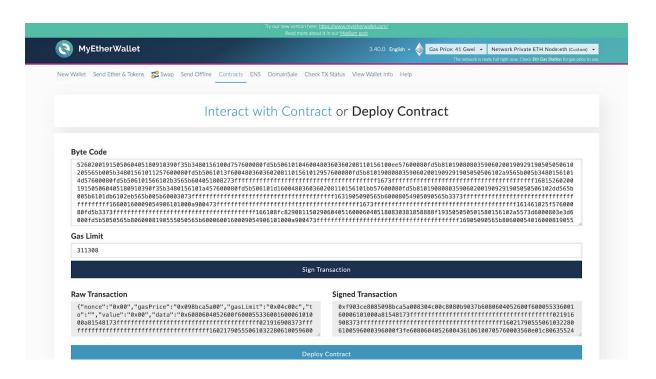o":"","value":"0x00","data":"0x6080604052600f600055336001600061010
00a81548173ffffffffffffffffffffffffffffffffffffffff021916908373fff
fffffffffffffffffffffffffffffffffffff1602179055506103228060105960

Signed Transaction

0xf903ce8085098bca5a008304c00c8080b9037b6080604052600f600055336001
60006101000a81548173ffffffffffffffffffffffffffffffffffffffff021916
908373ffffffffffffffffffffffffffffffffffffffff1602179055506103228
06100596000396000f3fe608060405260043610610070576003560e01c80635524

Deploy Contract

Byte Code

205565b005b348015610112576008   050506102a9565b005b3480156101
4d57600080fd5b506101566102b35   ffffffffffffffffff16815260200
19150506040518091039f35b348015   0200190929190505050610 2dd565b
005b6101db6102eb565b005b60003   fffffffffffffffffffffffffffff
ffffffff16600160009054906101000a900473ffffffffffffffffffffffffffffffffffffffff161461025f576000
80fd5b3373ffffffffffffffffffffffffffffffffffffffff166108fc8290811502906040516000604051808303818158888f19350505050501580156102a5573d6000803e3d6
000fd5b5050565b80600081905550505565b60006001600090549061010000a900473ffffffffffffffffffffffffffffffffffffffff16905090565b80600054160008190055
5050565b56fea265627a7a7231582083342675379dcf4b4cf2096901cac28589ee4beb36ec35b73864fd264233058ba64736f6c634300050c0032

Gas Limit

311308

Sign Transaction

Raw Transaction

{"nonce":"0x00","gasPrice":"0x098bca5a00","gasLimit":"0x04c00c","t
o":"","value":"0x00","data":"0x6080604052600f600055336001600061010
00a81548173ffffffffffffffffffffffffffffffffffffffff021916908373fff
fffffffffffffffffffffffffffffffffffff1602179055506103228060105960

Signed Transaction

0xf903ce8085098bca5a008304c00c8080b9037b6080604052600f600055336001
60006101000a81548173ffffffffffffffffffffffffffffffffffffffff021916
908373ffffffffffffffffffffffffffffffffffffffff1602179055506103228
06100596000396000f3fe608060405260043610610070576003560e01c80635524

Deploy Contract

Warning!   ✕

You are about to **deploy a contract**.

It will be deployed on the following network: **ETH**.

The **ETH** node you are sending through is provided by **Custom**.

Are you sure you want to do this?

No, get me out of here!   Yes, I am sure! Make transaction.

CURRENT BLOCK	GAS PRICE	GAS LIMIT	HARDFORK	NETWORK ID	RPC SERVER	MINING STATUS	WORKSPACE	
1	20000000000	6721975	PETERSBURG	5777	HTTP://0.0.0.0:7545	AUTOMINING	TEST_SIMOES_T	SWITCH ⚙

MNEMONIC ⓘ
hidden hybrid brand embrace edge measure gold taste later scorpion attract mesh

HD PATH
m/44'/60'/0'/0/account_index

ADDRESS 0×812C52a49653CE1Eb84E35a6Cf90f8e5Fea73CC2	BALANCE 99.99 ETH	TX COUNT 1	INDEX 0	🗝
ADDRESS 0×89C8926060A9D859f147fFaD8a3df72B9ceb2110	BALANCE 100.00 ETH	TX COUNT 0	INDEX 1	🗝
ADDRESS 0×4B70F3CE39D87BDeca17AE1dBc765E6c3EC8738c	BALANCE 100.00 ETH	TX COUNT 0	INDEX 2	🗝
ADDRESS 0×8A4da758BB8e480d96dE70d91bb8090fDeaB75bB	BALANCE 100.00 ETH	TX COUNT 0	INDEX 3	🗝
ADDRESS 0×F041109A9cFd766da213833cee90b82C89B060a1	BALANCE 100.00 ETH	TX COUNT 0	INDEX 4	🗝
ADDRESS 0×57E4C1dC2e898B78fc899ce6dC52f0894322EE5D	BALANCE 100.00 ETH	TX COUNT 0	INDEX 5	🗝
ADDRESS 0×3236Dc2571d0c66A667C8e9F007E0a4EBe8208E5	BALANCE 100.00 ETH	TX COUNT 0	INDEX 6	🗝
ADDRESS 0×36641CfC56107B7F9525AEfe16625cd21E39E56c	BALANCE 100.00 ETH	TX COUNT 0	INDEX 7	🗝
ADDRESS 0×05C0215eeaC62F68eDB33b3a948aa34c8FAdE229	BALANCE 100.00 ETH	TX COUNT 0	INDEX 8	🗝
ADDRESS 0×835B822bac6822c23a815872C99B97aCB3b023a6	BALANCE 100.00 ETH	TX COUNT 0	INDEX 9	🗝

Interaction avec le smart contract sur MyEtherWallet:

Interact with Contract or Deploy Contract

Contract Address
0xb6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6

Select Existing Contract
Select a contract...

ABI / JSON Interface
```
[
    {
        "inputs": [],
        "payable": true,
        "stateMutability": "payable",
        "type": "constructor"
```

Access

MyEtherWallet.com does not hold your keys for you. We cannot access accounts, recover keys, reset passwords, nor reverse transactions. Protect your keys & always check that you are on correct URL. You are responsible for your security.

MyEtherWallet

Free, open-source, client-side interface for generating Ethereum wallets & more. Interact with the Ethereum blockchain easily & securely. Double-check the URL (myetherwallet.com) before unlocking your wallet.

Knowledge Base

Disclaimer

🎁 You can support us by supporting our blockchain-family.

Consider using our affiliate links to...

Swap ETH/BTC/EUR/CHF via Bity.com | Buy ETH with credit card via Simplex

Buy a...

Ledger Wallet | TREZOR | BitBox | ether.card | HODL Wallet | Billfodl

Vintage MEW
MyEtherWallet.com
MyEtherWallet Team
Email support: support@myetherwallet.com
Unit Converters & ENS Debugging
Sign Message
kvhnuke.github.io/etherwallet
Github: Current Site & CX
Github: Latest Release

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ABI / JSON Interface

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[
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        "stateMutability": "payable",
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```

Access

Read / Write Contract

0xb6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6

Select a function ▾

getOwner ▾

deposit
getBalance
getOwner
getValue
receiveDeposit
setValue
withdraw

8ce1eb84e35a6cf90f8e5fea73cc2

TX HASH
0×59b064d3813bbf69d3955b2d4d1144648587beb950e1a681d5f92bea855f8980   CONTRACT CALL

FROM ADDRESS   TO CONTRACT ADDRESS   GAS USED   VALUE
0×812C52a49653CE1Eb84E35a6Cf90f8e5Fea73CC2   0×b6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6   30000   0

TX HASH
0×2af2b0ef82b4fee67271d5a1cc49c92c4e32cf8262d60f54218e0666026106e7   CONTRACT CALL

FROM ADDRESS   TO CONTRACT ADDRESS   GAS USED   VALUE
0×812C52a49653CE1Eb84E35a6Cf90f8e5Fea73CC2   0×b6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6   21632   10000000000000000000

TX HASH
0×d4e915fb1c59d45f6be25d5e48372c1238b9ed97f1c7cb3597457f7407911767   CONTRACT CALL

FROM ADDRESS   TO CONTRACT ADDRESS   GAS USED   VALUE
0×812C52a49653CE1Eb84E35a6Cf90f8e5Fea73CC2   0×b6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6   21587   10000000000000000000

TX HASH
0×f8bf893da0f26416663f609e4bf29815e80b48a9262a1b5e57cda346ca04c85a   CONTRACT CALL

FROM ADDRESS   TO CONTRACT ADDRESS   GAS USED   VALUE
0×812C52a49653CE1Eb84E35a6Cf90f8e5Fea73CC2   0×b6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6   26706   0

TX HASH
0×1ae9c1f75ff0e46ce98e19ed3c32cb85a341b4deacd39a1853fd0cc4f052d805   CONTRACT CALL

FROM ADDRESS   TO CONTRACT ADDRESS   GAS USED   VALUE
0×812C52a49653CE1Eb84E35a6Cf90f8e5Fea73CC2   0×b6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6   26706   0

TX HASH
0×378fb3d4ff1c51d802630f6a1ce14e4d42f73809e3e3856455438a48ea3ba0a0   CONTRACT CALL

FROM ADDRESS   TO CONTRACT ADDRESS   GAS USED   VALUE
0×812C52a49653CE1Eb84E35a6Cf90f8e5Fea73CC2   0×b6E2170c8eCf7a4Dc0FA4358d9D44898eC562df6   21587   10000000000000000000

TX HASH
0×a03c361a176b7e03a2ce21dab4980821fcac5818ca690d1c7ecb41d9876c9345   CONTRACT CALL

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Access

Read / Write Contract

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withdraw ▾

funds uint256

120

WRITE