

TRAVAUX PRATIQUE : Développer, Deloyer et Interagir avec un contrat intelligent sur
Ethereum

g)

Etherscan

HomeBlockchainTokensNFTsMore

Transaction Details

OverviewState

[This is a Sepolia Testnet transaction only]

Transaction Hash:

0x88d6d22700f5de49aedb8f324a90793e2c0128847965f2b752ffb193e62a723d

Status:

Success

Block:

800006921 Block Confirmations

Timestamp:

4 mins ago (Mar-28-2025 02:01:36 PM UTC)

From:

0x18B3C17708bAFFA81d037a5fc096D1770FF50f77

To:

0x18B3C17708bAFFA81d037a5fc096D1770FF50f77

Value:

0 ETH

Transaction Fee:

0.000032414467134 ETH

Gas Price:

1.543546054 Gwei (0.000000001543546054 ETH)

More Details:

+ Click to show more

h)

Transaction Hash:

0x88d6d22700f5de49aedb8f324a90793e2c0128847965f2b752ffb193e62a723d

Status:

Success

Block:

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To:

0x18B3C17708bAFFA81d037a5fc096D1770FF50f77

Value:

0 ETH

Transaction Fee:

0.000032414467134 ETH

Gas Price:

1.543546054 Gwei (0.000000001543546054 ETH)

Gas Limit & Usage by Txn:

21,000 | 21,000 (100%)

Gas Fees:

Base: 0.043546054 Gwei | Max: 1.551719036 Gwei | Max Priority: 1.5 Gwei

Burnt & Txn Savings Fees:

Burnt: 0.000000914467134 ETH (\$0.00)Txn Savings: 0.000000171632622 ETH (\$0.00)

Other Attributes:

Txn Type: 2 (EIP-1559)Nonce: 0Position in Block: 69

Input Data:

0x

i)

Transaction Hash:	0x826a63c47dc0d041220d5df92bf0b8f0ae7bcc059418d61e2147dbdd4e992a7d
Status:	Success
Block:	8000108 3 Block Confirmations
Timestamp:	29 secs ago (Mar-28-2025 02:09:24 PM UTC)
From:	0x18B3C17708bAFFA81d037a5fc096D1770FF50f77
To:	0x533fB0469D523dFD5BF3D97e0Ad75ea66328D08E
Value:	0.001 ETH
Transaction Fee:	0.000032399126907 ETH
Gas Price:	1.542815567 Gwei (0.000000001542815567 ETH)
Gas Limit & Usage by Txn:	21,000 21,000 (100%)
Gas Fees:	Base: 0.042815567 Gwei Max: 1.559703741 Gwei Max Priority: 1.5 Gwei
Burnt & Txn Savings Fees:	Burnt: 0.000000899126907 ETH (\$0.00) Txn Savings: 0.000000354651654 ETH (\$0.00)
Other Attributes:	Txn Type: 2 (EIP-1559) Nonce: 1 Position In Block: 31
Input Data:	0x

n)

Transaction Hash:	0xec28be49c6b268cf5bfb7660be09de8db65d5edfb69cc9d9780adce6bdeb12b
Status:	Success
Block:	8000334 2 Block Confirmations
Timestamp:	29 secs ago (Mar-28-2025 02:56:12 PM UTC)
Transaction Action:	Call 0x60806040 Method by 0x18B3C177...70FF50f77
From:	0x18B3C17708bAFFA81d037a5fc096D1770FF50f77
To:	[0x3935d093e5d65c91d20658182a6dc66eb9d89542 Created]
Value:	0 ETH
Transaction Fee:	0.00141257062613256 ETH
Gas Price:	1.658040155 Gwei (0.000000001658040155 ETH)
Gas Limit & Usage by Txn:	859,881 851,952 (99.08%)
Gas Fees:	Base: 0.158040155 Gwei Max: 1.673646394 Gwei Max Priority: 1.5 Gwei
Burnt & Txn Savings Fees:	Burnt: 0.00013464262613256 ETH (\$0.00) Txn Savings: 0.000013295766528528 ETH (\$0.00)
Other Attributes:	Txn Type: 2 (EIP-1559) Nonce: 2 Position In Block: 1
Input Data:	<pre> 0x6080604052348015600e575f80fd5b50335f806101000a81548173ff021916908373ffffffffffff ffffffffffffffffffffffffffffffff160217905550610e0d8061005b5f395ff3fe608060405234801561000f575f80fd5b506004361061007b575f35 60e01c8063462e91ec11610059578063462e91ec146100eb5780638da5cb5b14610107578063a3ec138d14610125578063f2fde38b1461015557610 07b565b80630121b93f1461007f5780632d35a8a21461009b5780633477ee2e146100b9575b5f80fd5b610099600480360381010061009491906106 </pre>
	View Input As

Les transactions fees sont bien différentes et elles le sont car l’une est juste une transaction et l’autre est un déploiement d’un smart contract

L’adresse de mon smart contract est :

0x3935d093e5d65c91d20658182a6dc66eb9d89542

p)

Transaction Hash: 0xa662eff5d85b6371a8608e511b71df1096317aa234f202c1e50768fe110ed45e

Status: Success

Block: 8000420 1 Block Confirmation

Timestamp: 9 secs ago (Mar-28-2025 03:13:36 PM UTC)

Transaction Action: Call Add Candidate Function by 0x18B3C177...70FF50f77 on 0x3935D093...Eb9D89542

From: 0x18B3C17708bAFA81d037a5fc096D1770FF50f77

To: 0x3935D093E5d65C91d20658182a6DC66Eb9D89542

Value: 0 ETH

Transaction Fee: 0.000151494723085608 ETH

Gas Price: 1.605769557 Gwei (0.000000001605769557 ETH)

Gas Limit & Usage by Txn: 95,301 | 94,344 (99%)

Gas Fees: Base: 0.105769557 Gwei | Max: 1.643576517 Gwei | Max Priority: 1.5 Gwei

Burnt & Txn Savings Fees: Burnt: 0.00009978723085608 ETH (\$0.00) Txn Savings: 0.000035685983424 ETH (\$0.00)

Other Attributes: Txn Type: 2 (EIP-1559) Nonce: 3 Position In Block: 57

Input Data:

```
Function: addCandidate(string name) ***
MethodID: 0x462e91ec
[0]: 0000000000000000000000000000000000000000000000000000000000000020
[1]: 0000000000000000000000000000000000000000000000000000000000000008
[2]: 434845524d41494e0000000000000000000000000000000000000000000000000000
```

[View Input As](#) [Decode Input Data](#) [View In Decoder](#)

q) 0:uint256: id 1
1:string: name CHERMAIN
2:uint256: voteCount 0

r)

Transaction Hash: 0xb7720b5c9d7dc7dd8ed307434087a4d11f043093dc70b6cf96dfd411b720ee25

Status: Success

Block: 8000456 2 Block Confirmations

Timestamp: 25 secs ago (Mar-28-2025 03:20:48 PM UTC)

Transaction Action: Call Add Candidate Function by 0x18B3C177...70FF50f77 on 0x3935D093...Eb9D89542

From: 0x18B3C17708bAFA81d037a5fc096D1770FF50f77

To: 0x3935D093E5d65C91d20658182a6DC66Eb9D89542

Value: 0 ETH

Transaction Fee: 0.00012357626009958 ETH

Gas Price: 1.599816945 Gwei (0.000000001599816945 ETH)

Gas Limit & Usage by Txn: 78,133 | 77,244 (98.86%)

Gas Fees: Base: 0.099816945 Gwei | Max: 1.635549677 Gwei | Max Priority: 1.5 Gwei

Burnt & Txn Savings Fees: Burnt: 0.00000771026009958 ETH (\$0.00) Txn Savings: 0.000002760139150608 ETH (\$0.00)

Other Attributes: Txn Type: 2 (EIP-1559) Nonce: 4 Position In Block: 54

Input Data:

```
Function: addCandidate(string name) ***
MethodID: 0x462e91ec
[0]: 0000000000000000000000000000000000000000000000000000000000000020
[1]: 0000000000000000000000000000000000000000000000000000000000000008
[2]: 4d617a7a696c6c690000000000000000000000000000000000000000000000000000
```

[View Input As](#) [Decode Input Data](#) [View In Decoder](#)

s)

- 0:uint256: id 2
- 1:string: name Mazzilli
- 2:uint256: voteCount 0

t) 0:address: 0x18B3C17708bAFFA81d037a5fc096D1770FF50f77

u)

The screenshot displays a transaction details interface. At the top, the Transaction Hash is 0x7b405893923a805a68028446b508d43304d023f113dc9b25346708b0f13485b2d. The Status is 'Success'. The Block is 8000475 with 1 Block Confirmation. The Timestamp is 7 secs ago (Mar-28-2025 03:24:36 PM UTC). The Transaction Action is a 'Call Vote Function by 0x18B3C177...70FF50f77 on 0x3935D093...Eb9D89542'. The From address is 0x18B3C17708bAFFA81d037a5fc096D1770FF50f77. The To address is 0x3935D093E5d65C91d20658182a6DC66Eb9D89542. The Value is 0 ETH. The Transaction Fee is 0.00011139981281604 ETH. The Gas Price is 1.59717573 Gwei (0.00000000159717573 ETH). The Gas Limit & Usage by Txn is 70,608 | 69,748 (98.78%). The Gas Fees are Base: 0.09717573 Gwei | Max: 1.630062876 Gwei | Max Priority: 1.5 Gwei. The Burnt & Txn Savings Fees are Burnt: 0.00000677781281604 ETH (\$0.00) and Txn Savings: 0.000002293812659208 ETH (\$0.00). The Other Attributes show Txn Type: 2 (EIP-1559), Nonce: 5, and Position In Block: 11. The Input Data shows the function call: vote(uint256 yes) ***. The MethodID is 0x0121b93f. The input data [0] is a long hexadecimal string: 0001. At the bottom, there are buttons for 'View Input As', 'Decode Input Data', and 'View In Decoder'.

Transaction Hash: 0x7b405893923a805a68028446b508d43304d023f113dc9b25346708b0f13485b2d

Status: Success

Block: 8000475 1 Block Confirmation

Timestamp: 7 secs ago (Mar-28-2025 03:24:36 PM UTC)

Transaction Action: Call Vote Function by 0x18B3C177...70FF50f77 on 0x3935D093...Eb9D89542

From: 0x18B3C17708bAFFA81d037a5fc096D1770FF50f77

To: 0x3935D093E5d65C91d20658182a6DC66Eb9D89542

Value: 0 ETH

Transaction Fee: 0.00011139981281604 ETH

Gas Price: 1.59717573 Gwei (0.00000000159717573 ETH)

Gas Limit & Usage by Txn: 70,608 | 69,748 (98.78%)

Gas Fees: Base: 0.09717573 Gwei | Max: 1.630062876 Gwei | Max Priority: 1.5 Gwei

Burnt & Txn Savings Fees: Burnt: 0.00000677781281604 ETH (\$0.00) Txn Savings: 0.000002293812659208 ETH (\$0.00)

Other Attributes: Txn Type: 2 (EIP-1559) Nonce: 5 Position In Block: 11

Input Data: Function: vote(uint256 yes) ***
MethodID: 0x0121b93f
[0]: 0001

View Input As Decode Input Data View In Decoder

v)

- 0:uint256: id 1
- 1:string: name CHERMAIN
- 2:uint256: voteCount 1

w)

Transaction Hash: 0x0ffe1c5c2bea9ef3dfb9db0243b911df190c610efe98fe40c525af114debf3d

Status: Success

Block: 8000520 1 Block Confirmation

Timestamp: 19 secs ago (Mar-28-2025 03:33:48 PM UTC)

Transaction Action: Call Vote Function by 0x18B3C177...70FF50f77 on 0x33b6a4CB...31127915b

From: 0x18B3C17708bAFA81d037a5fc096D1770FF50f77

To: 0x33b6a4CBFD6e3dAF98A81677b2A656131127915b

Value: 0 ETH

Transaction Fee: 0.000081922543071784 ETH

Gas Price: 1.556042833 Gwei (0.000000001556042833 ETH)

Gas Limit & Usage by Txn: 53,440 | 52,648 (98.52%)

Gas Fees: Base: 0.056042833 Gwei | Max: 1.579023013 Gwei | Max Priority: 1.5 Gwei

Burnt & Txn Savings Fees: Burnt: 0.000002950543071784 ETH (\$0.00) Txn Savings: 0.0000012096051664 ETH (\$0.00)

Other Attributes: Txn Type: 2 (EIP-1559) Nonce: 6 Position In Block: 57

Input Data:

```
Function: vote(uint256 yes) ***
MethodID: 0x0121b93f
[0]: 0000000000000000000000000000000000000000000000000000000000000001
```

[View Input As](#) [Decode Input Data](#) [View In Decoder](#)

x)

Transaction Hash: 0x313c51b99774045b5a59d833a58d95a01d2669bade0d64135b479d657cee5864

Status: Success

Block: 8000532 2 Block Confirmations

Timestamp: 31 secs ago (Mar-28-2025 03:36:12 PM UTC)

Transaction Action: Call Transfer Ownership Function by 0x18B3C177...70FF50f77 on 0x3935D093...Eb9D89542

From: 0x18B3C17708bAFA81d037a5fc096D1770FF50f77

To: 0x3935D093E5d65C91d20658182a6DC66Eb9D89542

Value: 0 ETH

Transaction Fee: 0.00004482707469417 ETH

Gas Price: 1.551646753 Gwei (0.000000001551646753 ETH)

Gas Limit & Usage by Txn: 29,238 | 28,890 (98.81%)

Gas Fees: Base: 0.051646753 Gwei | Max: 1.570779411 Gwei | Max Priority: 1.5 Gwei

Burnt & Txn Savings Fees: Burnt: 0.00000149207469417 ETH (\$0.00) Txn Savings: 0.00000055274248962 ETH (\$0.00)

Other Attributes: Txn Type: 2 (EIP-1559) Nonce: 7 Position In Block: 66

Input Data:

```
Function: transferOwnership(address newOwner) ***
MethodID: 0xf2fde38b
[0]: 0000000000000000000000000000000000000000000000000000000000000000
```

[View Input As](#) [Decode Input Data](#) [View In Decoder](#)

y) A votre avis comment pourrions nous sécurisé l'appel de la fonction addCandidate afin que vous soyez le seul à pouvoir gérer les candidats ?

Pour sécuriser l'appel à la fonction nous pouvons restreindre son accès avec une liste blanche de personne qui peuvent y accéder

z) Le code est dans le fichier Electionv2.sol