Introduction

Using Etherscan
- Contract Address
- Contract Page
- Connect MetaMask
- Connected!
- Run Functions
- Lookup Stake Information
- Start or End a Stake
- Run Good Accounting
- Enter or Exit a Lobby

Introduction

HEX is a project to recreate a common banking product called a “time deposit”. It is an ERC-20 token and fully automated in the form of a smart contract on the Ethereum blockchain. Information and a FAQ is available at https://HEX.com.

A walkthrough of the contract functionality in layman’s terms can be found here https://bit.ly/hex-contract-in-english

For a more in depth discussion of Staking and the gains to be made, see this companion document https://bit.ly/hex-staking-guide.

This document presents the use of the HEX contract via Etherscan

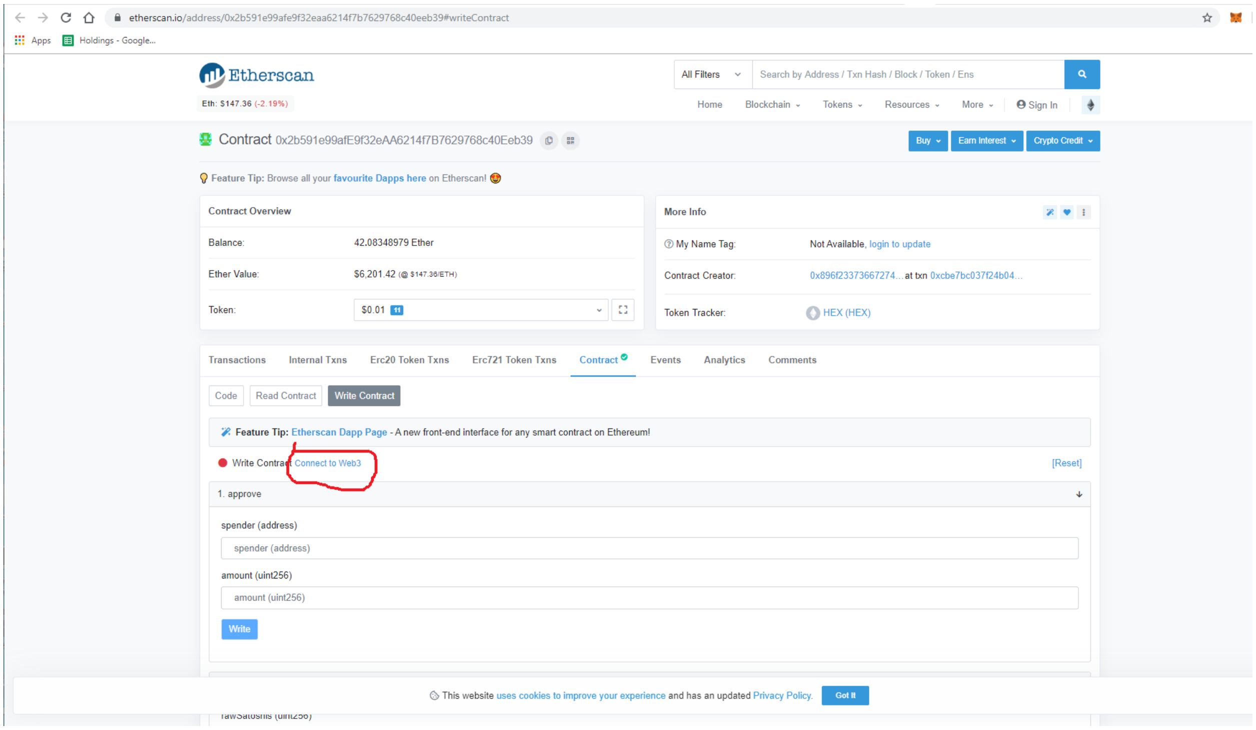
Using Etherscan

Contract Address

https://etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39

Contract Page

Click “Connect to Web3”



Contract 0x2b591e99afE9f32eAA6214f7B7629768c40Eeb39

Feature Tip: Browse all your favourite Dapps here on Etherscan!

Contract Overview

Balance: 42.08348979 Ether

Ether Value: $6,201.42 (@ $147.36/ETH)

Token: $0.01 11

More Info

My Name Tag: Not Available, login to update

Contract Creator: 0x896f23373667274... at txn 0xcbe7bc037f24b04...

Token Tracker: HEX (HEX)

Feature Tip: Etherscan Dapp Page - A new front-end interface for any smart contract on Ethereum!

● Write Contract Connect to Web3 [Reset]

1. approve

spender (address)

amount (uint256)

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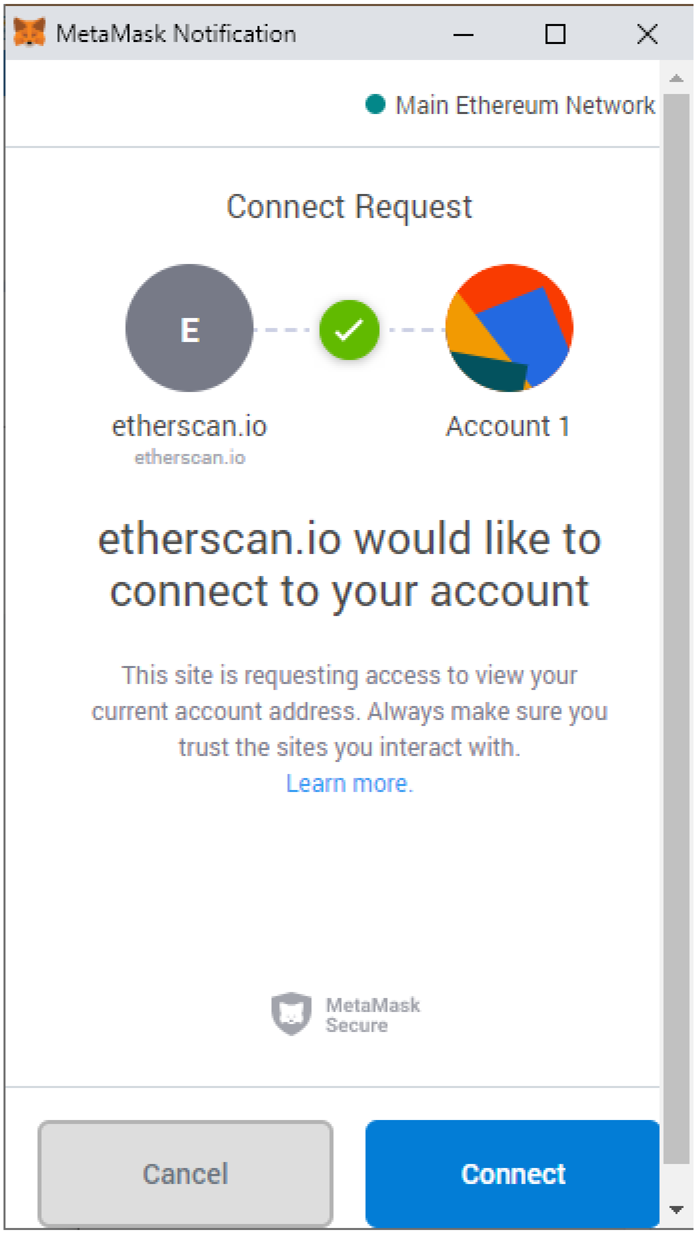
rawSatoshis (uint256)

Connect MetaMask

Confirm the MetaMask connection



MetaMask Notification

Main Ethereum Network

Connect Request

etherscan.io
etherscan.io

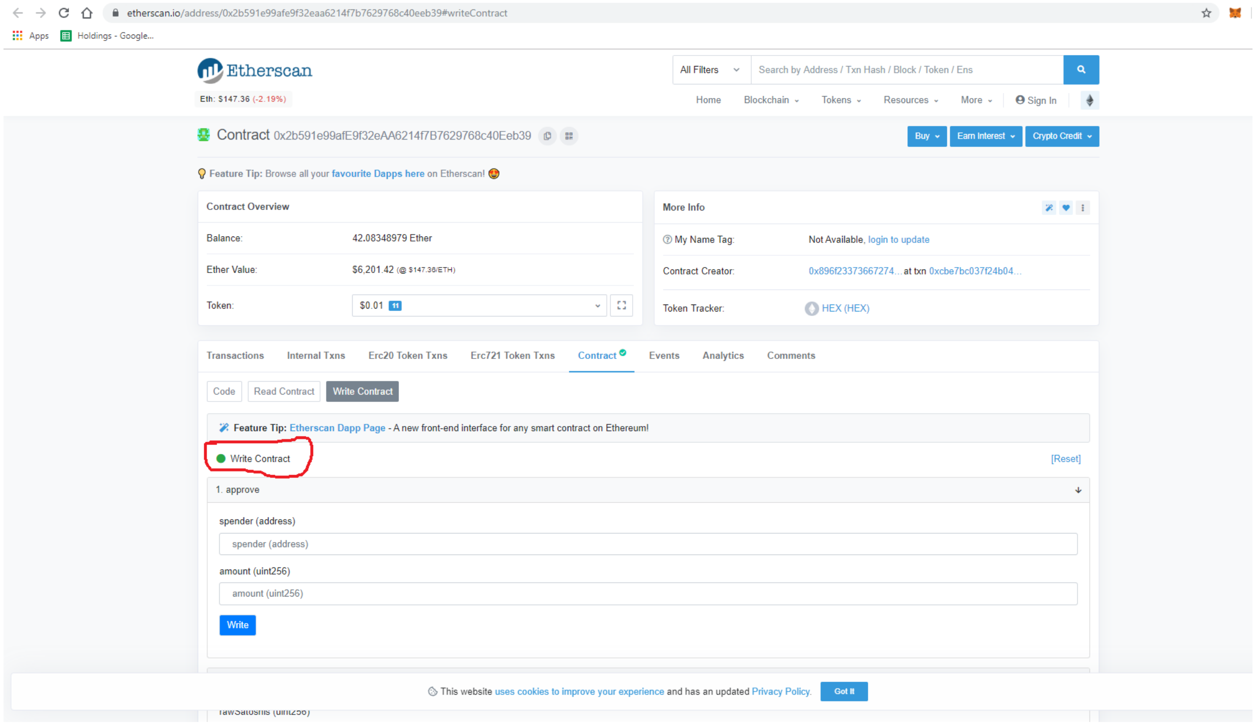
Account 1

etherscan.io would like to connect to your account

This site is requesting access to view your current account address. Always make sure you trust the sites you interact with.
Learn more.

Connected!

Etherscan warns that this is a Beta feature, but I have used it numerous times with no issue.



etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39#writeContract

Eth: $147.36 (-2.19%)

Contract 0x2b591e99afE9f32eAA6214f7B7629768c40Eeb39

Feature Tip: Browse all your favourite Dapps here on Etherscan!

Contract Overview

Balance:	42.08348979 Ether
Ether Value:	$6,201.42 (@ $147.36/ETH)
Token:	$0.01 11

More Info

My Name Tag:	Not Available, login to update
Contract Creator:	0x896f23373667274... at txn 0xcbe7bc037f24b04...
Token Tracker:	HEX (HEX)

Feature Tip: Etherscan Dapp Page - A new front-end interface for any smart contract on Ethereum!

● Write Contract

1. approve

spender (address)

spender (address)

amount (uint256)

amount (uint256)

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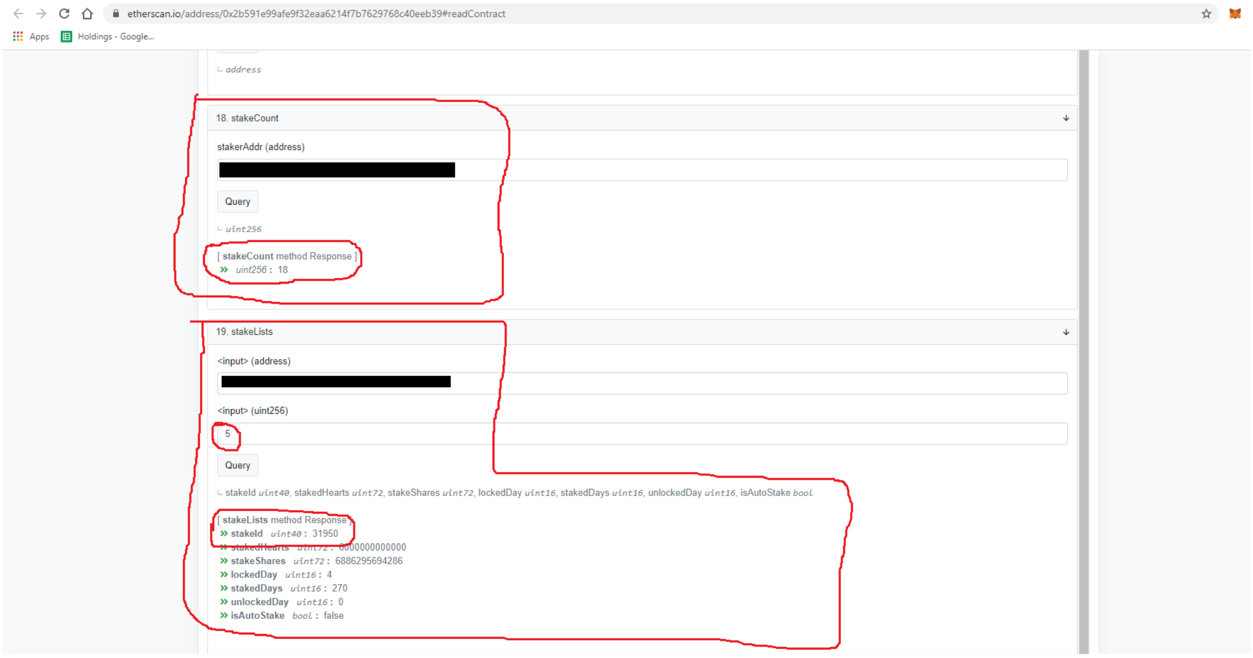
rawSatoshis (uint256)

Run Functions

You’re connected! Look around the readContract and writeContract tabs. Run the functions as you see fit.

Lookup Stake Information



etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39#readContract

└ *address*

18. stakeCount

stakerAddr (address)

[redacted]

└ *uint256*

[**stakeCount** method Response]
» *uint256* : 18

19. stakeLists

<input> (address)

[redacted]

<input> (uint256)

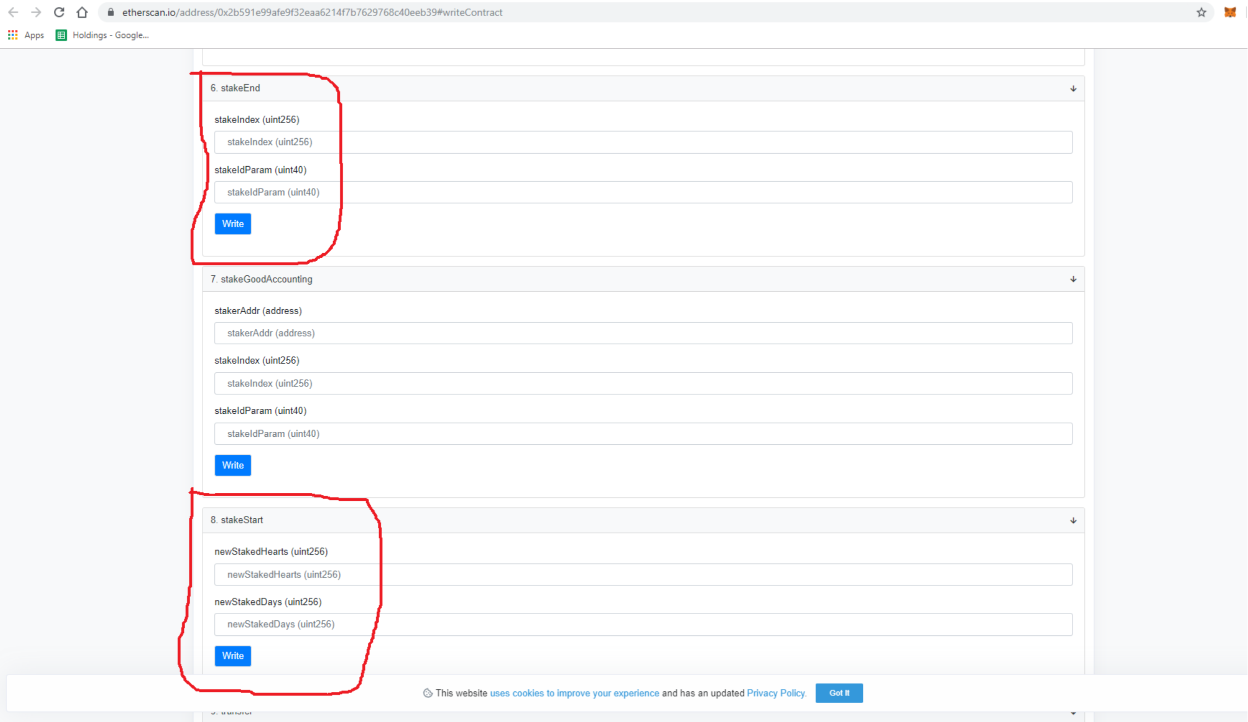
5

└ stakeId *uint40*, stakedHearts *uint72*, stakeShares *uint72*, lockedDay *uint16*, stakedDays *uint16*, unlockedDay *uint16*, isAutoStake *bool*

[**stakeLists** method Response]
» **stakeId** *uint40* : 31950
» **stakedHearts** *uint72* : 6000000000000
» **stakeShares** *uint72* : 6886295694286
» **lockedDay** *uint16* : 4
» **stakedDays** *uint16* : 270
» **unlockedDay** *uint16* : 0
» **isAutoStake** *bool* : false

You need the “index” (the number 5 in this picture) and the stake ID (circled in the response data).

Start or End a Stake



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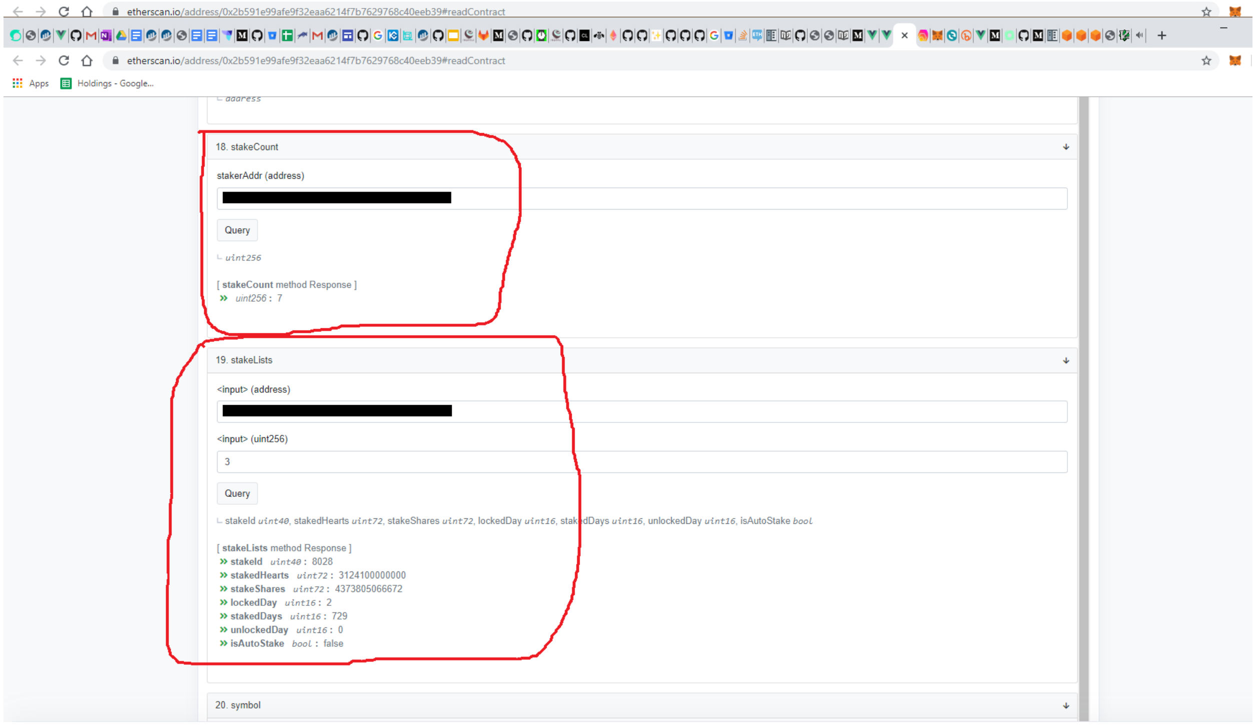
To end a stake, use the Stake Index and Stake ID obtained from the previous step.

Run Good Accounting

There are two steps. First, lookup the stake index and stake id for a user you would like to help. Second, run the good accounting function for the target stake.



etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39#readContract

etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39#readContract

└ address

18. stakeCount

stakerAddr (address)

[redacted]

└ uint256

[stakeCount method Response]
» uint256 : 7

19. stakeLists

<input> (address)

[redacted]

<input> (uint256)

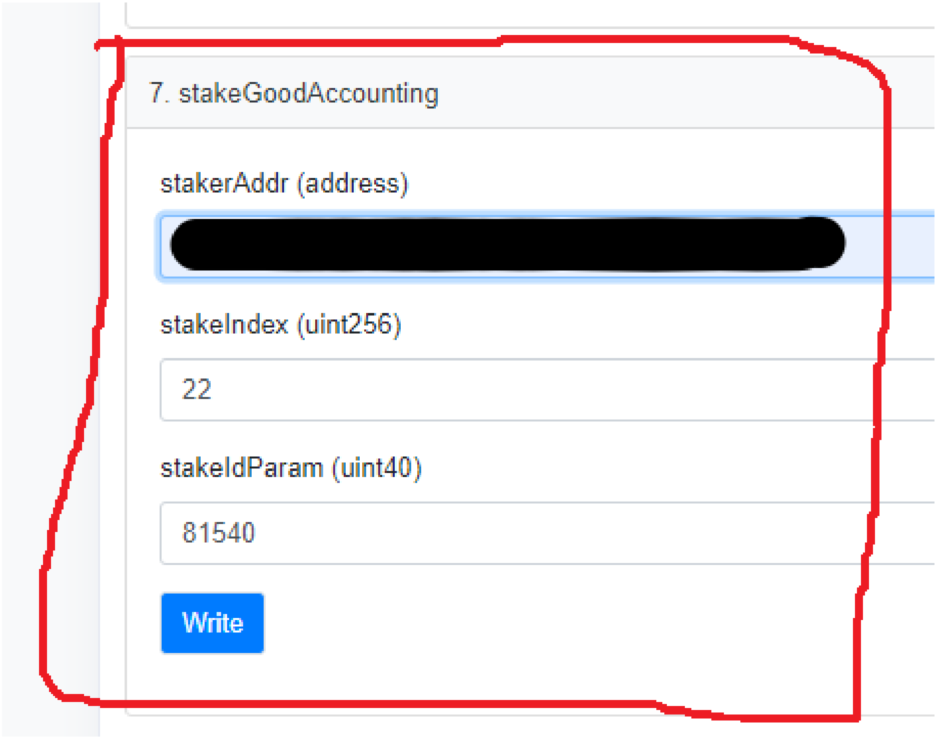
3

└ stakeId uint40, stakedHearts uint72, stakeShares uint72, lockedDay uint16, stakedDays uint16, unlockedDay uint16, isAutoStake bool

[stakeLists method Response]
» stakeId uint40 : 8028
» stakedHearts uint72 : 3124100000000
» stakeShares uint72 : 4373805066672
» lockedDay uint16 : 2
» stakedDays uint16 : 729
» unlockedDay uint16 : 0
» isAutoStake bool : false

20. symbol

Above, I ran the stake count for a known account and got a result of “23”. I happen to know it has a stake that is eligible for Good Accounting. Its index is **22**. I looked up the stake info for my address and found its stake index of **81540**. The next step is to run Good Accounting with those values from the “write contract” tab (https://etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39#writeContract)



7. stakeGoodAccounting

stakerAddr (address)

[redacted]

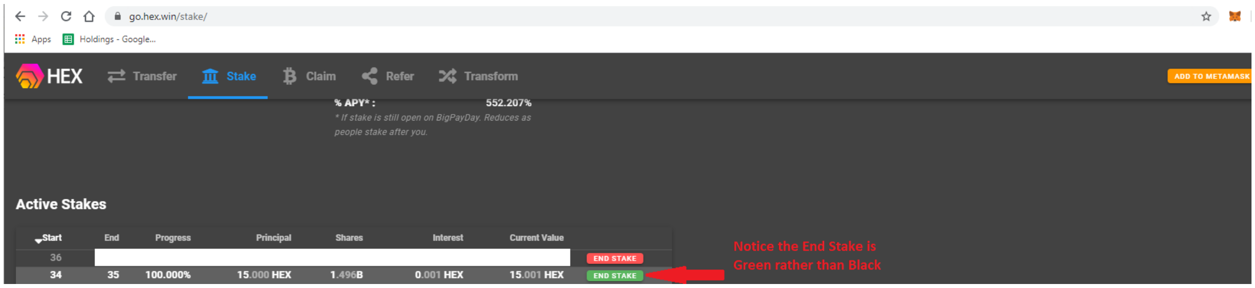
stakeIndex (uint256)

22

stakeIdParam (uint40)

81540

And that’s it. The function runs and the stake is now resolved. This can be confirmed in the UI



% APY* : 552.207%

* If stake is still open on BigPayDay. Reduces as people stake after you.

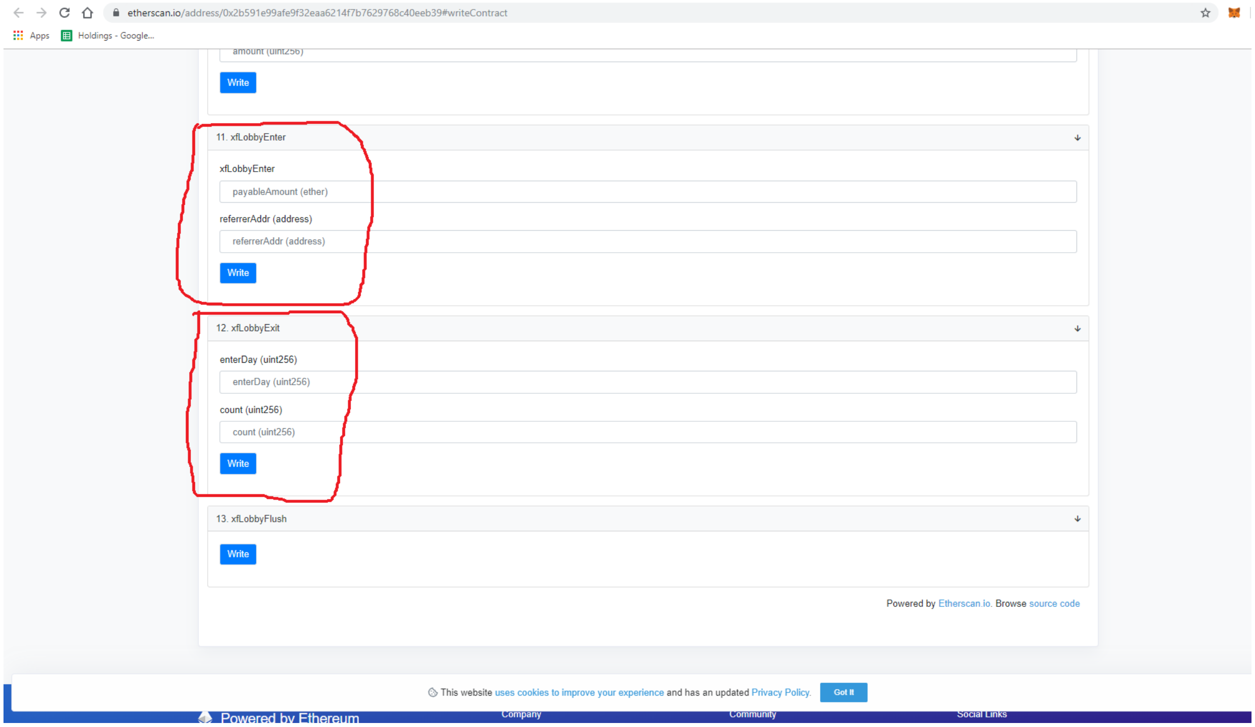
Active Stakes

Start	End	Progress	Principal	Shares	Interest	Current Value	
36							END STAKE
34	35	100.000%	15.000 HEX	1.496B	0.001 HEX	15.001 HEX	END STAKE

Notice the End Stake is Green rather than Black

Enter or Exit a Lobby

These functions were primarily used during launch phase and are essentially deprecated. Keeping the instructions for completeness


etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39#writeContract
Apps
Holdings - Google...

amount (uint256)

11. xfLobbyEnter

xfLobbyEnter

payableAmount (ether)

referrerAddr (address)

referrerAddr (address)

12. xfLobbyExit

enterDay (uint256)

enterDay (uint256)

count (uint256)

count (uint256)

13. xfLobbyFlush

Powered by Etherscan.io. Browse source code

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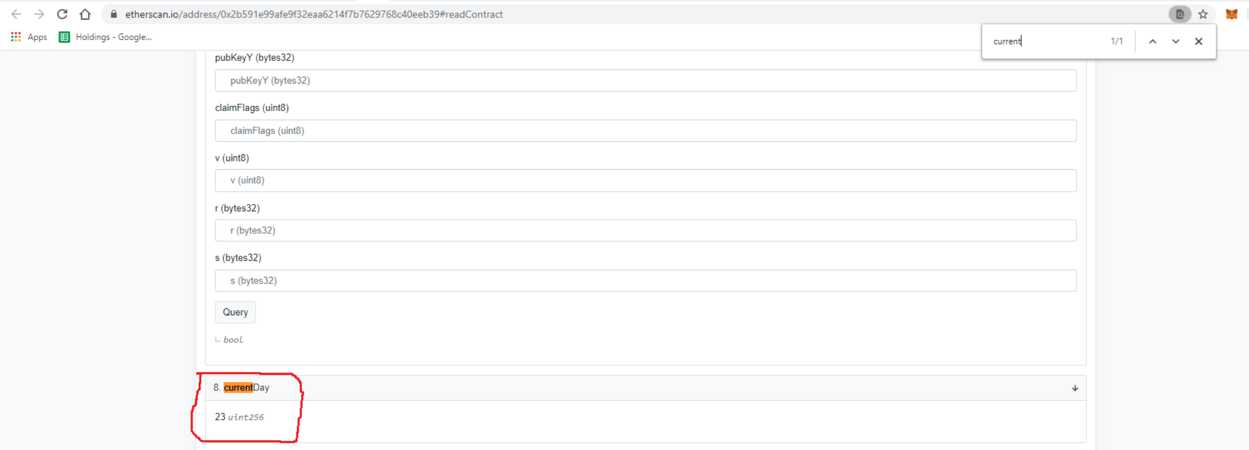
To Exit, you must provide a *enterDay* and a *count*. The *enterDay* is the day that has completed and you wish to exit from. To figure this out, check for the current contract day under the Read Contract tab:


etherscan.io/address/0x2b591e99afe9f32eaa6214f7b7629768c40eeb39#readContract
Apps
Holdings - Google...
current
1/1

pubKeyY (bytes32)

pubKeyY (bytes32)

claimFlags (uint8)

claimFlags (uint8)

v (uint8)

v (uint8)

r (bytes32)

r (bytes32)

s (bytes32)

s (bytes32)

└ *bool*

8. currentDay

23 *uint256*

Assuming you want to exit a lobby from a prior day, as today (23 in pic) is not closed yet, just subtract the appropriate number of days (i.e. yesterday is -1, a week ago is -7). That's the *enterDay* number.

The *count* is the number of entries you wish to resolve. You may make multiple entries via **xfLobbyEnter** independently of one another. The contract records each, along with the potentially different *referrerAddr*. You may resolve those entries in batches or enter “0” to do them all at once.