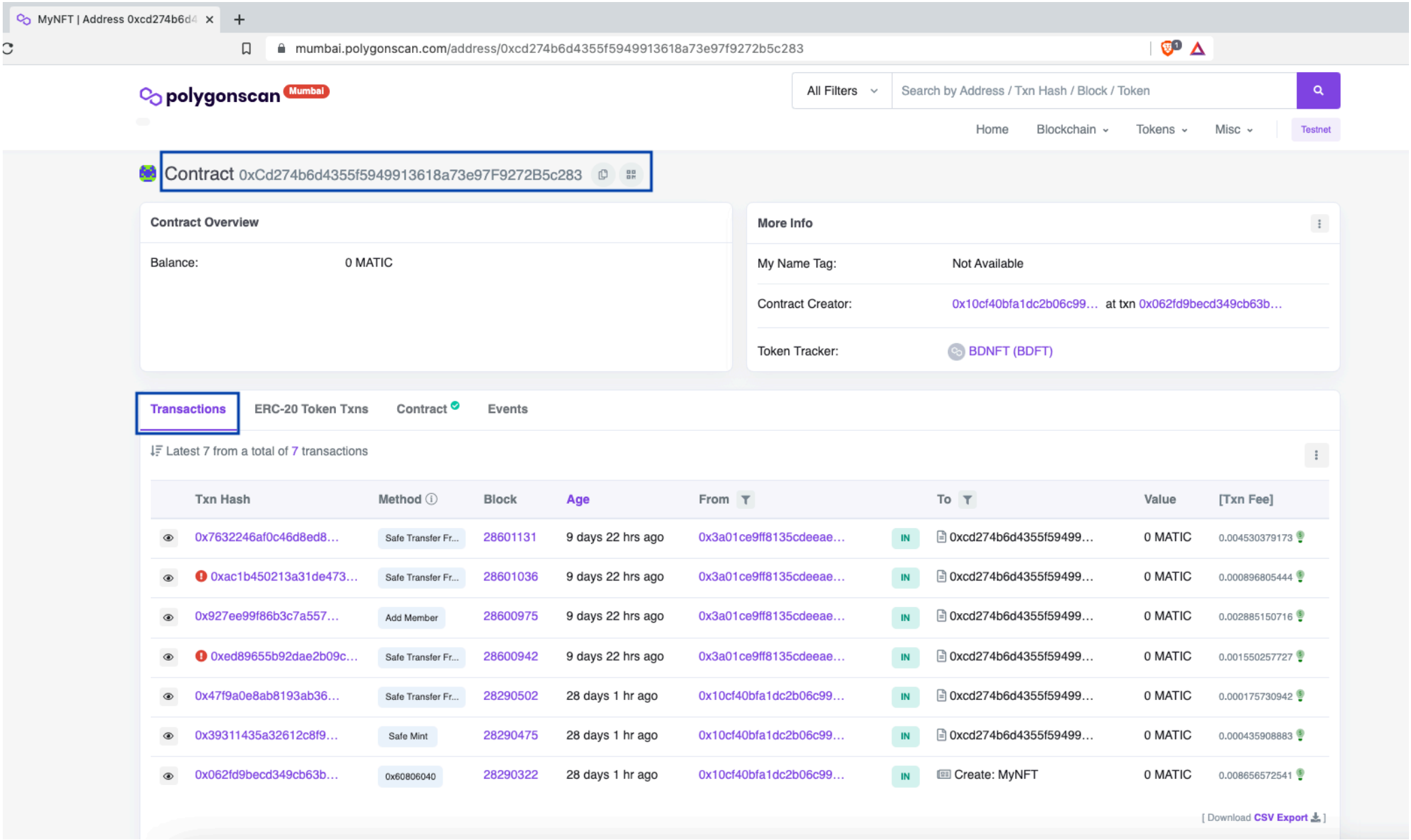

MyNFT | Address 0xcd274b6d4
mumbai.polygonscan.com/address/0xcd274b6d4355f5949913618a73e97f9272b5c283
polygonscan Mumbai
All Filters
Search by Address / Txn Hash / Block / Token
Home
Blockchain
Tokens
Misc
Testnet
Contract 0xCd274b6d4355f5949913618a73e97F9272B5c283
Contract Overview
Balance: 0 MATIC
More Info
My Name Tag: Not Available
Contract Creator: 0x10cf40bfa1dc2b06c99... at txn 0x062fd9becd349cb63b...
Token Tracker: BDNFT (BDFT)
Transactions
ERC-20 Token Txns
Contract
Events
Latest 7 from a total of 7 transactions
Txn Hash | Method | Block | Age | From | To | Value | [Txn Fee]
0x7632246af0c46d8ed8... | Safe Transfer Fr... | 28601131 | 9 days 22 hrs ago | 0x3a01ce9ff8135cdeeae... | IN | 0xcd274b6d4355f59499... | 0 MATIC | 0.004530379173
0xac1b450213a31de473... | Safe Transfer Fr... | 28601036 | 9 days 22 hrs ago | 0x3a01ce9ff8135cdeeae... | IN | 0xcd274b6d4355f59499... | 0 MATIC | 0.000896805444
0x927ee99f86b3c7a557... | Add Member | 28600975 | 9 days 22 hrs ago | 0x3a01ce9ff8135cdeeae... | IN | 0xcd274b6d4355f59499... | 0 MATIC | 0.002885150716
0xed89655b92dae2b09c... | Safe Transfer Fr... | 28600942 | 9 days 22 hrs ago | 0x3a01ce9ff8135cdeeae... | IN | 0xcd274b6d4355f59499... | 0 MATIC | 0.001550257727
0x47f9a0e8ab8193ab36... | Safe Transfer Fr... | 28290502 | 28 days 1 hr ago | 0x10cf40bfa1dc2b06c99... | IN | 0xcd274b6d4355f59499... | 0 MATIC | 0.000175730942
0x39311435a32612c8f9... | Safe Mint | 28290475 | 28 days 1 hr ago | 0x10cf40bfa1dc2b06c99... | IN | 0xcd274b6d4355f59499... | 0 MATIC | 0.000435908883
0x062fd9becd349cb63b... | 0x60806040 | 28290322 | 28 days 1 hr ago | 0x10cf40bfa1dc2b06c99... | IN | Create: MyNFT | 0 MATIC | 0.008656572541
[Download CSV Export]

Contract 0xCd274b6d4355f5949913618a73e97F9272B5c283

Contract Overview

Balance:	0 MATIC

More Info

My Name Tag:	Not Available
Contract Creator:	0x10cf40bfa1dc2b06c99… at txn 0x062fd9becd349cb63b…
Token Tracker:	BDNFT (BDFT)

Transactions | ERC-20 Token Txns | Contract | Events

Code | Read Contract | Write Contract

Search Source Code

Contract Source Code Verified (Exact Match)

Contract Name:	**MyNFT**	Optimization Enabled:	**No** with **200** runs
Compiler Version	**v0.8.7+commit.e28d00a7**	Other Settings:	**default** evmVersion, **MIT** license

Contract Source Code (Solidity)

Outline | More Options

```
/**
 *Submitted for verification at polygonscan.com on 2022-09-25
*/

// File: @openzeppelin/contracts/utils/Counters.sol


// OpenZeppelin Contracts v4.4.1 (utils/Counters.sol)
```

Contract 0xCd274b6d4355f5949913618a73e97F9272B5c283

Contract Overview

Balance: 0 MATIC

More Info

My Name Tag: Not Available

Contract Creator: 0x10cf40bfa1dc2b06c99… at txn 0x062fd9becd349cb63b…

Token Tracker: BDNFT (BDFT)

Transactions | ERC-20 Token Txns | Contract | Events

Code | Read Contract | Write Contract

Read Contract Information [Expand all] [Reset]

1. MAX_SUPPLY
2. balanceOf
3. getApproved
4. getContractOwner
5. isApprovedForAll
6. isMember
7. name
8. owner

Code | Read Contract | Write Contract

Read Contract Information [Expand all] [Reset]

1. MAX_SUPPLY

2. balanceOf

3. getApproved

4. getContractOwner

5. isApprovedForAll

6. isMember

7. name

8. owner

9. ownerOf

tokenId (uint256)

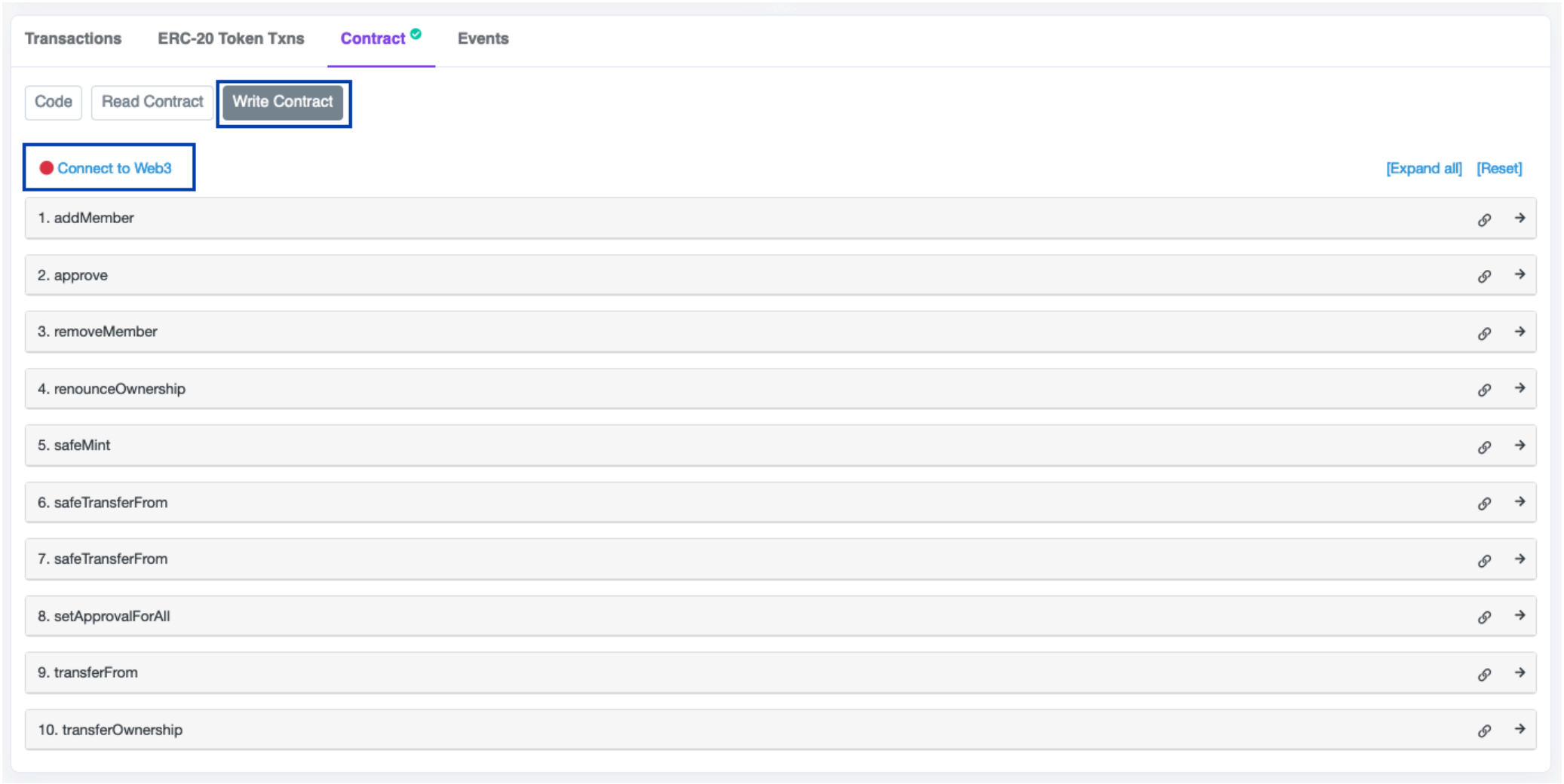
1

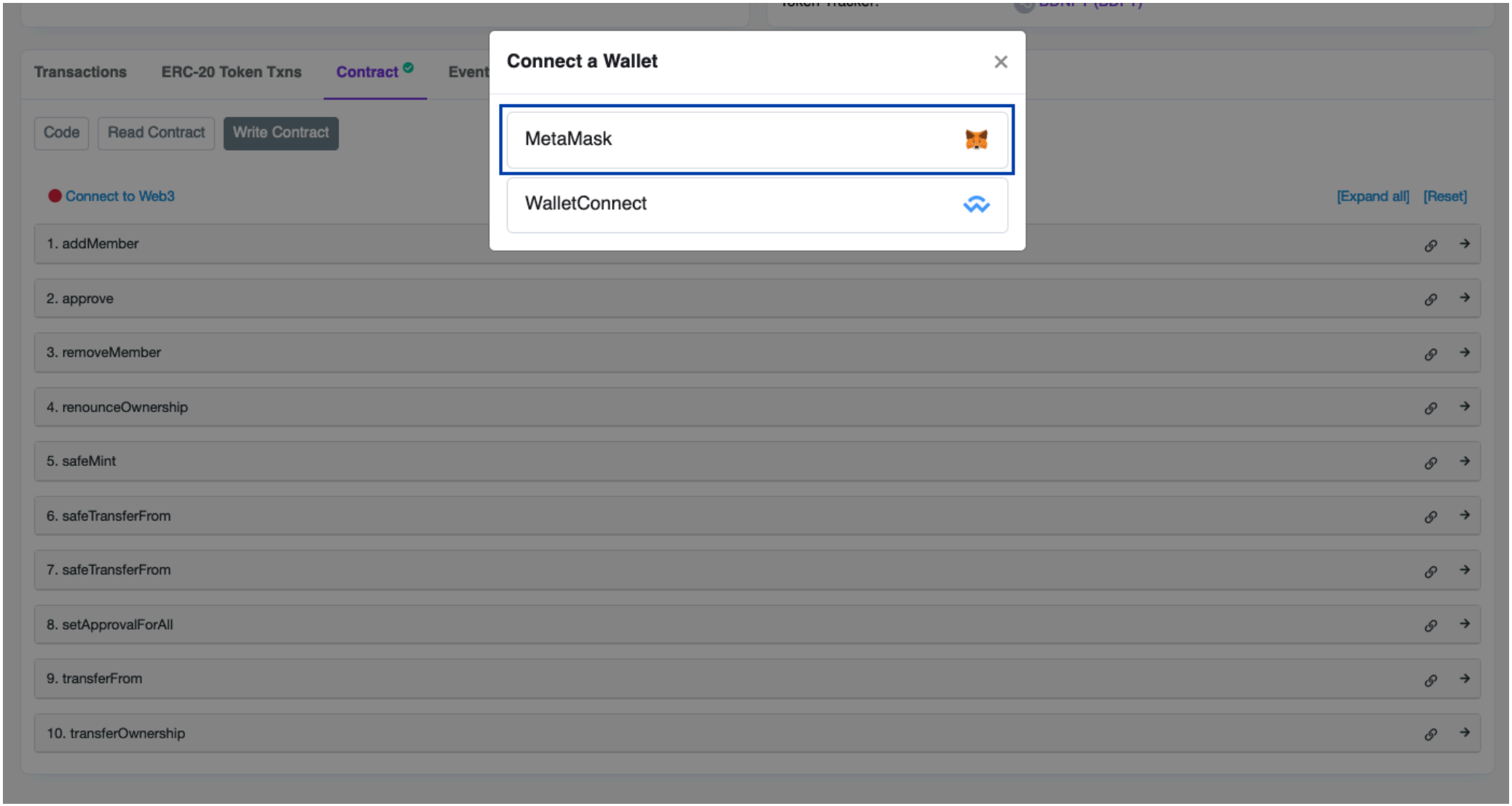
Query

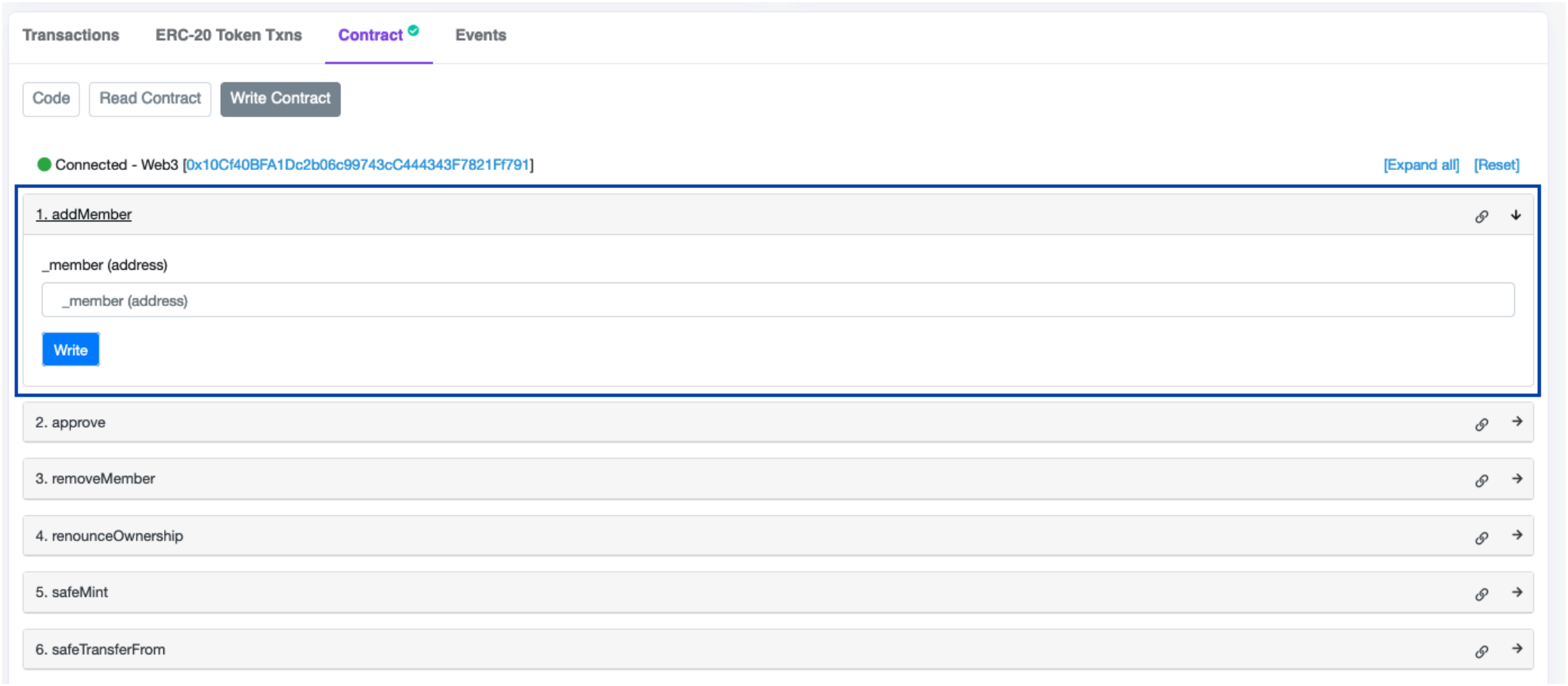
address

[**ownerOf** method Response]

» *address* : 0x3a01CE9fF8135CDeeae5e8Cc152bc16545779836


Transactions
ERC-20 Token Txns
Contract
Events
Code
Read Contract
Write Contract
Connect to Web3
[Expand all]
[Reset]
1. addMember
2. approve
3. removeMember
4. renounceOwnership
5. safeMint
6. safeTransferFrom
7. safeTransferFrom
8. setApprovalForAll
9. transferFrom
10. transferOwnership


Transactions
ERC-20 Token Txns
Contract
Event
Code
Read Contract
Write Contract
Connect to Web3
[Expand all]
[Reset]
1. addMember
2. approve
3. removeMember
4. renounceOwnership
5. safeMint
6. safeTransferFrom
7. safeTransferFrom
8. setApprovalForAll
9. transferFrom
10. transferOwnership
Connect a Wallet
MetaMask
WalletConnect


Transactions
ERC-20 Token Txns
Contract
Events
Code
Read Contract
Write Contract
Connected - Web3 [0x10Cf40BFA1Dc2b06c99743cC444343F7821Ff791]
[Expand all]
[Reset]
1. addMember
_member (address)
_member (address)
Write
2. approve
3. removeMember
4. renounceOwnership
5. safeMint
6. safeTransferFrom

Web3 Type Converter

Convert from a bytes32/hex into a string/number or vice-versa.

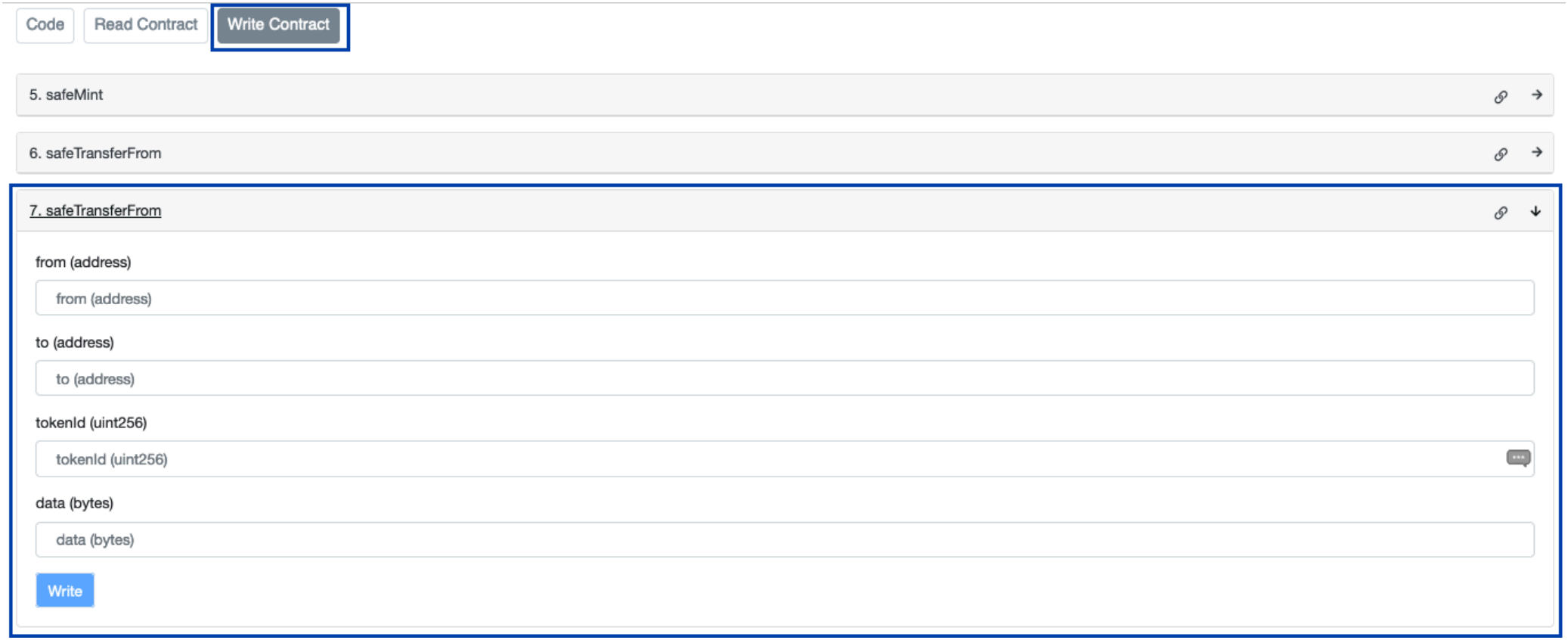
63350b8df2270

Convert to: bytes32/hex ☐ Apply padding

0x3633333530623864663232373730

These conversions happen in your browser. No data is stored.

GitHub Thank me!


Code
Read Contract
Write Contract
5. safeMint
6. safeTransferFrom
7. safeTransferFrom
from (address)
from (address)
to (address)
to (address)
tokenId (uint256)
tokenId (uint256)
data (bytes)
data (bytes)
Write

Contract 0xCd274b6d4355f5949913618a73e97F9272B5c283

Contract Overview

Balance: 0 MATIC

More Info

My Name Tag: Not Available

Contract Creator: 0x10cf40bfa1dc2b06c99… at txn 0x062fd9becd349cb63b…

Token Tracker: BDNFT (BDFT)

Transactions | ERC-20 Token Txns | Contract | Events

Latest 7 from a total of 7 transactions

Txn Hash	Method	Block	Age	From		To	Value	[Txn Fee]
0x7632246af0c46d8ed8…	Safe Transfer Fr…	28601131	9 days 22 hrs ago	0x3a01ce9ff8135cdeeae…	IN	0xcd274b6d4355f59499…	0 MATIC	0.004530379173
0xac1b450213a31de473…	Safe Transfer Fr…	28601036	9 days 22 hrs ago	0x3a01ce9ff8135cdeeae…	IN	0xcd274b6d4355f59499…	0 MATIC	0.000896805444
0x927ee99f86b3c7a557…	Add Member	28600975	9 days 22 hrs ago	0x3a01ce9ff8135cdeeae…	IN	0xcd274b6d4355f59499…	0 MATIC	0.002885150716
0xed89655b92dae2b09c…	Safe Transfer Fr…	28600942	9 days 22 hrs ago	0x3a01ce9ff8135cdeeae…	IN	0xcd274b6d4355f59499…	0 MATIC	0.001550257727
0x47f9a0e8ab8193ab36…	Safe Transfer Fr…	28290502	28 days 48 mins ago	0x10cf40bfa1dc2b06c99…	IN	0xcd274b6d4355f59499…	0 MATIC	0.000175730942
0x39311435a32612c8f9d…	Safe Mint	28290475	28 days 50 mins ago	0x10cf40bfa1dc2b06c99…	IN	0xcd274b6d4355f59499…	0 MATIC	0.000435908883
0x062fd9becd349cb63b…	0x60806040	28290322	28 days 1 hr ago	0x10cf40bfa1dc2b06c99…	IN	Create: MyNFT	0 MATIC	0.008656572541

[Download CSV Export]

Transaction Details

Overview | **Logs (3)**

[This is a Polygon PoS **Testnet** transaction only]

Transaction Hash:	0x7632246af0c46d8ed8cd4b192861c53c0fd655f52cb7deee25ab12273687a27b
Status:	Success
Block:	28601131 171620 Block Confirmations
Timestamp:	9 days 23 hrs ago (Oct-13-2022 06:21:44 PM +UTC)
From:	0x3a01ce9ff8135cdeeae5e8cc152bc16545779836
Interacted With (To):	Contract 0xcd274b6d4355f5949913618a73e97f9272b5c283
Tokens Transferred:	From 0x5b38da6a701c5... To 0x3a01ce9ff8135c... **For** ERC-721 TokenID [1] BDNFT (BDFT)
Value:	0 MATIC ($0.00)
Transaction Fee:	0.00453037917312771 MATIC ($0.00)
Txn Type:	2 (**EIP-1559**)

Click to see More

Overview | Logs (3)

Base Fee Per Gas:	0.000000034503806196 MATIC (34.503806196 Gwei)
Max Fee Per Gas:	0.000000049918783242 MATIC (49.918783242 Gwei)
Max Priority Fee Per Gas:	0.000000031512443647 MATIC (31.512443647 Gwei)
Burnt Fees:	0.00313139293131798 MATIC
Txn Savings:	0 MATIC
Gas Price:	0.000000049918783242 MATIC (49.918783242 Gwei)
Nonce Position	3 1

Input Data:

```
Function: safeTransferFrom(address from,address to,uint256 tokenId,bytes data)

MethodID: 0xb88d4fde
[0]:  000000000000000000000005b38da6a701c568545dcfcb03fcb875f56beddc4
[1]:  000000000000000000000003a01ce9ff8135cdeeae5e8cc152bc16545779836
[2]:  0000000000000000000000000000000000000000000000000000000000000001
[3]:  0000000000000000000000000000000000000000000000000000000000000080
[4]:  000000000000000000000000000000000000000000000000000000000000000d
[5]:  3633333530623864663232373000000000000000000000000000000000000000
```

View Input As | Decode Input Data

Click to see Less

Web3 Type Converter

Convert from a bytes32/hex into a string/number or vice-versa.

36333335306238646632323730000000000000000000000000000000000000

Convert to: string/utf-8/ascii

63350b8df2270

These conversions happen in your browser. No data is stored.

GitHub

Thank me!

```
/**
 * Custom safe transfer function that allows owner or whitelisted members to transfer NFT tokens
 * msg.sender is the address of the transaction invoker(address calling contract)
 * address(this) is the address of the contract itself. This keyword refers to the instance of a Contract.
 */

function safeTransferFrom(address from, address to, uint256 tokenId, bytes memory data) public virtual override {
    // check if its is invalid address
    require(to != address(0x0)); //
    address owner = ERC721.ownerOf(tokenId);
    require (owner == from, "From address is not the owner of the token");
    //There is a token validity check in
    require ( owner == msg.sender // check if transaction invoker is the owner of the NFT token
        || getContractOwner() == msg.sender // check if transaction invoker is the contract owner
        //Doing the below method manually instead of referring to the external methods saves gas
        || isMember(msg.sender),      // check if transaction invoker is approved for this token
        "Transfer caller is not the owner of the token"
    );
    _safeTransfer(from, to, tokenId, data);
}
```

```
// Vulnerability: function is missing onlyOwner. Without onlyOwner any user can call this function to add themselves as whitelisted owners
// Method to add an address to whitelist
function addMember(address _member) public {
    require( !isMember(_member), "Address is member already.");
    members[_member] = true;
    // trigger the events using emit keyword
    emit MemberAdded(_member);
}

// Method to remove an address from whitelist
function removeMember(address _member) public onlyOwner {
    require(isMember(_member), "Not member of whitelist.");
    delete members[_member];
    emit MemberRemoved(_member);
}
```

```
// ===== Minting Functions ===== //
// Allow All Users to mint NFT

function safeMint(address to, string memory uri) public onlyOwner {
    require(_tokenIdCounter.current() <= MAX_SUPPLY, "Sorry All NFTs has been minted");
    uint256 tokenId = _tokenIdCounter.current();
    _tokenIdCounter.increment();
    _safeMint(to, tokenId);
    _setTokenURI(tokenId, uri);
}
```