



Hare Chain



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Audited project: Hare Chain

Ticker: HareC

Total supply: 1,000,000,000,000

Decimals: 9

Address contract: 0x97a0788892097732a1D011811E208e4b9fa486E8

Compiler Version: v0.8.16+commit.07a7930e

Optimization Enabled: No with 200 runs

Contract Deployer Address: 0x5278C17be895f21068165ca9f05c6645403498e8

Project website: <https://harechain.net/>

KYC: no

Languages: Solidity (Smart contract)

Blockchain: Binance Smart Chain

Audit Team: SECURITY NETWORK

<https://securitynetwork.pro/>

Audit Date: September 20, 2022

SWC Attacks

SWC ID	Title	Status
SWC-100	Function Default Visibility	PASSED
SWC-101	Integer Overflow and Underflow	PASSED
SWC-102	Outdated Compiler Version	PASSED
SWC-103	Floating Pragma	PASSED
SWC-104	Unchecked Call Return Value	PASSED
SWC-105	Unprotected Ether Withdrawal	PASSED
SWC-106	Unprotected SELFDESTRUCT Instruction	PASSED
SWC-107	Reentrancy	PASSED
SWC-108	State Variable Default Visibility	PASSED
SWC-109	Uninitialized Storage Pointer	PASSED
SWC-110	Assert Violation	PASSED
SWC-111	Use of Deprecated Solidity Functions	PASSED
SWC-112	Delegatecall to Untrusted Callee	PASSED
SWC-113	DoS with Failed Call	PASSED
SWC-114	Transaction Order Dependence	PASSED
SWC-115	Authorization through tx.origin	PASSED
SWC-116	Block values as a proxy for time	PASSED
SWC-117	Signature Malleability	PASSED
SWC-118	Incorrect Constructor Name	PASSED
SWC-119	Shadowing State Variables	PASSED
SWC-120	Weak Sources of Randomness from Chain Attributes	PASSED
SWC-121	Missing Protection against Signature Replay Attacks	PASSED
SWC-122	Lack of Proper Signature Verification	PASSED
SWC-123	Requirement Violation	PASSED
SWC-124	Write to Arbitrary Storage Location	PASSED
SWC-125	Incorrect Inheritance Order	PASSED
SWC-126	Insufficient Gas Griefing	PASSED
SWC-127	Arbitrary Jump with Function Type Variable	PASSED
SWC-128	DoS With Block Gas Limit	LOW
SWC-129	Typographical Error	PASSED
SWC-130	Right-To-Left-Override control character (U+202E)	PASSED
SWC-131	Presence of unused variables	PASSED
SWC-132	Unexpected Ether balance	PASSED
SWC-133	Hash Collisions With Multiple Variable Length Arguments	PASSED
SWC-134	Message call with hardcoded gas amount	PASSED
SWC-135	Code With No Effects	PASSED
SWC-136	Unencrypted Private Data On-Chain	PASSED

Possible additional HIGH risks

No	Issue description.	Status
1	High fees	Yes
2	Mint function	NO
3	Max Tx Amount	NO
4	Pause trading without limit	NO
5	Cooldown time for sell without limit	NO
6	Proxy	NO
7	Other risks	Yes

TOTAL

HIGH

2

MEDIUM

0

LOW

1

**SECURITY
NETWORK**

Conclusion

OWNER CAN SET FEES UP TO 49%

```
function setFees(uint256 _liquidityFee, uint256 _rewardFee, uint256 _marketingFee, uint256 _teamFee, uint256 _devFee, uint256 _burnFee, uint256
_feeDenominator) public onlyOwner {
    liquidityFee = _liquidityFee;
    rewardFee = _rewardFee;
    marketingFee = _marketingFee;
    teamFee = _teamFee;
    devFee = _devFee;
    burnFee = _burnFee;
    totalFee = _liquidityFee + _rewardFee + _marketingFee + _teamFee + _burnFee + _devFee;
    feeDenominator = _feeDenominator;
    require(totalFee < feeDenominator/2, "Fees cannot be more than 49%");
}
```

OWNER CAN SET BLACKLIST

```
function enable_blacklist(bool _status) public onlyOwner {
    blacklistMode = _status;
}
```

Smart contract contain 1 low severity issue:

1. Out of gas

Issue:

Manage blacklist()

The function `manage_blacklist()` uses the loop to change blacklist status of addresses.

If also could be aborted with `OUT_OF_GAS` exception if will be a long addresses list.

Recommendation:

Check that the array length is not too big.

