



Space Hayya



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Audited project: Space Hayya

Ticker: SHayya

Total supply: 3,000,000,000

Decimals: 9

Address contract: 0x90d0f9d91f6Cb54b7BbF25D739BA781E0Dbee5b3

Compiler Version: v0.8.7+commit.e28d00a7

Optimization Enabled: Yes with 200 runs

Contract Deployer Address: 0x19dBe9a43f1a05fD4e6CcA3FD701Bf2Bc4cE45F7

Project website: <https://www.spacehayya.com/>

KYC: Security Network

Languages: Solidity (Smart contract)

Blockchain: Binance Smart Chain

Audit Team: SECURITY NETWORK

<https://securitynetwork.pro/>

Audit Date: July 22, 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SWC-102	Outdated Compiler Version	PASSED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	Yes
4	Pause trading without limit	NO
5	Cooldown time for sell without limit	Yes
6	Proxy	NO
7	Other risks	NO

TOTAL

HIGH

3

MEDIUM

0

LOW

3

**SECURITY
NETWORK**

Conclusion

OWNER CAN SET FEES WITHOUT LIMIT

```
function setTaxes(uint256 rfi, uint256 marketing, uint256 liquidity, uint256 _dev, uint256 buyback)
public onlyOwner {
    taxes = Taxes(_rfi,_marketing,_liquidity,_dev,_buyback);
    emit FeesChanged();}
function setSellTaxes(uint256 _rfi, uint256 _marketing, uint256 _liquidity, uint256 _dev, uint256 _buyback)
public onlyOwner {
    sellTaxes = Taxes(_rfi,_marketing,_liquidity,_dev,_buyback);
    emit FeesChanged();}
```

Recommendations:

Don't use high fees! Don't use high commissions! It is necessary to limit fees to 40% max.

OWNER CAN SET MAX TX AMOUNT WITHOUT LIMIT

```
function updateMaxTxLimit(uint256 maxBuy, uint256 maxSell) external onlyOwner{
    maxBuyLimit = maxBuy * 10**decimals();
    maxSellLimit = maxSell * 10**decimals();}
```

Recommendations:

Don't set Max tx Amount to 0! It is necessary to limit Max tx Amount >1% of Total Supply.

OWNER CAN SET BIG DELAYS BETWEEN SELLS

```
function updateCooldown(bool state, uint256 time) external onlyOwner{
    coolDownTime = time * 1 seconds;
    coolDownEnabled = state;}
```

Recommendations:

Don't set big delay between sells! It is necessary to limit Max cooldown time. Too long time will cause delay between sales.

OUT OF GAS

```
includeInReward()
getRate()
getCurrentSupply()
```

Recommendations:

Don't use long addresses list.

