SECURITY
NETWORK

QAtar

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Audited project: QAtar

Ticker: QAtar

Total supply: 202,211,201,218

Decimals: 9

Address contract: 0x2651793Ce5Ec4d7f18322314F5FBA1bE3a8d9f0c

Compiler Version: v0.8.14+commit.80d49f37

Optimization Enabled: Yes with 200 runs

Contract Deployer Address: 0x2ac504383C8d4804a3521e3Be1AA4807f597893f

Project website: http://oatartoken.info/

KYC: No

Languages: Solidity (Smart contract)

Blockchain: Binance Smart Chain

Audit Team: SECURITY NETWORK

https://securitynetwork.pro/

Audit Date: November 6, 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SWC-102	Outdated Compiler Version	PASSED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	PASSED
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

№	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	NO
6	Proxy	NO
7	Other risks	YES

TOTAL

HIGH 3

MEDIUM 0

LOW 0

Conclusion

Owner can set fees up to 100%

```
function setBuyLPDividendFee(uint256 dividendFee) external onlyOwner { _buyLPDividendFee = dividendFee;  }
function setBuyFundFee(uint256 fundFee) external onlyOwner { _buyFundFee = fundFee;  }
function setBuyInviteFee(uint256 inviteFee) external onlyOwner { _buyInviteFee = inviteFee;  }
function setBuyDestroyFee(uint256 destroyFee) external onlyOwner {_buyDestroyFee = destroyFee;  }
function setSellLPDividendFee(uint256 dividendFee) external onlyOwner { _sellLPDividendFee = dividendFee;  }
function setSellFundFee(uint256 fundFee) external onlyOwner { _sellFundFee = fundFee;  }
function setSellInviteFee(uint256 inviteFee) external onlyOwner { _sellInviteFee = inviteFee;  }
function setSellDestroyFee(uint256 destroyFee) external onlyOwner { _sellDestroyFee = destroyFee;  } }
function setBuyDestroyFee(uint256 destroyFee) external onlyOwner { _buyDestroyFee = destroyFee;  }
function setSellLPDividendFee(uint256 dividendFee) external onlyOwner { _sellLPDividendFee = dividendFee;  }
function setSellFundFee(uint256 fundFee) external onlyOwner { _sellFundFee = fundFee;  }
function setSellInviteFee(uint256 inviteFee) external onlyOwner { _sellInviteFee = inviteFee;  }
function setSellDestroyFee(uint256 destroyFee) external onlyOwner { _sellDestroyFee = destroyFee;  }
```

Owner can set blacklist

```
function setBlackList(address addr, bool enable) external onlyOwner { _blackList[addr] = enable;  }
function batchSetBlackList(address [] memory addr, bool enable) external onlyOwner {
    for (uint i = 0; i < addr.length; i++) { _blackList[addr[i]] = enable;  } }
```

Owner can set max tx amount without limit

```
function setLimitAmount(uint256 amount) external onlyFunder { _limitAmount = amount * 10 ** _decimals;  }
```


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