

# GreatDane



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Audited project: GreatDane

Ticker: GreatDane

Total supply: 6,900,000,000,000,000

Decimals: 9

Address contract: 0x2CDc34B884a37aa4054C4D9fB87FBe43721817Bd

Compiler Version: v0.8.13+commit.abaa5c0e

Optimization Enabled: Yes with 200 runs

Contract Deployer Address: 0x98d777e9982d8A6ACFeE9fE2742472Daaf8cfD4E

Project website: https://www.greatdanecoin.com/

KYC: no

Languages: Solidity (Smart contract)

Blockchain: Binance Smart Chain

**Audit Team: SECURITY NETWORK** 

https://securitynetwork.pro/

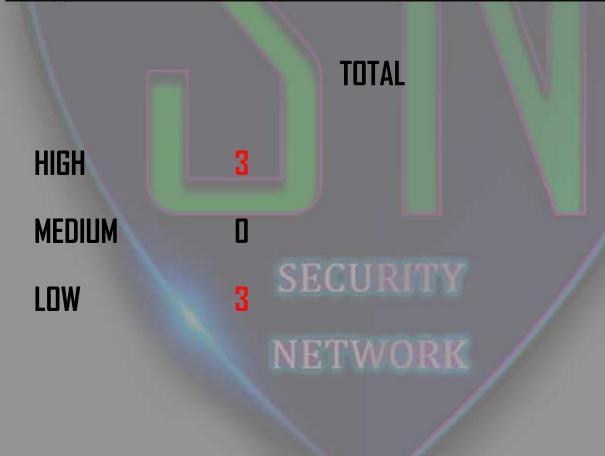
Audit Date: August 20, 2022

# **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SWC-102	Outdated Compiler Version	PASSED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	Yes
4	Pause trading without limit	NO
5	Cooldown time for sell without limit	Yes
6	Proxy	NO
7	Other risks	NO



### **Conclusion**

#### OWNER CAN SET FEES WITHOUT LIMIT

function setTaxes(uint256 \_rfi, uint256 \_marketing, uint256 \_liquidity, uint256 \_dev, uint256 \_buyback) public enlyffwner {
 taxes = Taxes(\_rfi,\_marketing,\_liquidity,\_dev,\_buyback);
 emit FeesChanged();}
function setSellTaxes(uint256 \_rfi, uint256 \_marketing, uint256 \_liquidity, uint256 \_dev, uint256 \_buyback) public onlyffwne

function setSellTaxes(uint256 \_rfi, uint256 \_marketing, uint256 \_liquidity, uint256 \_dev, uint256 \_buyback) public onlyOwner {
 sellTaxes = Taxes(\_rfi, marketing,\_liquidity,\_dev,\_buyback);
 emit FeesChanged();}

### **OWNER CAN UPDATE MAX TX LIMIT WITHOUT LIMIT**

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

### **OWNER CAN SET BIG DELAYS BETWEEN SELLS**

function updateCooldown(bool state, uint256 time) external onlyOwner{
 coulDownTime = time \* I seconds:
 conlDownFnabled = state;}

Smart contract contain 3 low severity issue:

#### 1. Out of gas

ISSUE:

includeInReword()

The function includeInReward() also uses the loop for evaluating total supply. It also could be aborted with DHT\_DF\_GAS exception if there will be a long excluded addresses list.

**Recommendation**:

Check th Check that the excluded array length is not too big.

#### 2. Out of gas

Issuc:

qetRate()

The function getRate also uses the loop for evaluating resect rate. It also could be aborted with DUT\_DF\_GAS exception if there will be a long excluded addresses list. Recommendation:

Check th Check that the array length is not too big.

NETWORK

#### 3. Out of gas

Issue:

qetCurrentSupply()

The function getCurrentSupply also uses the loop for evaluating total supply. It also could be aborted with OUT\_OF\_GAS exception if there will be a long excluded addresses list.

Recommendation:

Check that the excluded array lenght is not too big.

