



Cyberscope

Audit Report

Genesis Nomad Token

December 2023

Network BSC

Address 0x24d66bd585510daca4b1365da9d39e945ad413f9

Audited by © cyberscope

Analysis

● Critical ● Medium ● Minor / Informative ● Pass

| Severity | Code | Description | Status |
|----------|------|-------------------------|--------|
| ● | ST | Stops Transactions | Passed |
| ● | OTUT | Transfers User's Tokens | Passed |
| ● | ELFM | Exceeds Fees Limit | Passed |
| ● | MT | Mints Tokens | Passed |
| ● | BT | Burns Tokens | Passed |
| ● | BC | Blacklists Addresses | Passed |

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Review

| | |
|------------------|---|
| Contract Name | GenesisNomadToken |
| Compiler Version | v0.8.16+commit.07a7930e |
| Optimization | 200 runs |
| Explorer | https://bscscan.com/address/0x24d66bd585510daca4b1365da9d39e945ad413f9 |
| Address | 0x24d66bd585510daca4b1365da9d39e945ad413f9 |
| Network | BSC |
| Symbol | GNT |
| Decimals | 18 |
| Total Supply | 100,000,000,000 |

Audit Updates

| | |
|---------------|-------------|
| Initial Audit | 26 Dec 2023 |
|---------------|-------------|

Source Files

| | |
|-----------------------|---|
| Filename | SHA256 |
| GenesisNomadToken.sol | cbb0dcefc0b48d31902d8dc2743037e887efb5422b634a24bc0daa132373175 |

Findings Breakdown

| Severity | Unresolved | Acknowledged | Resolved | Other |
|-----------------------|------------|--------------|----------|-------|
| ● Critical | 0 | 0 | 0 | 0 |
| ● Medium | 0 | 0 | 0 | 0 |
| ● Minor / Informative | 0 | 0 | 0 | 0 |

Functions Analysis

| Contract | Type | Bases | | |
|-----------------|-------------------|------------|------------|-----------|
| | Function Name | Visibility | Mutability | Modifiers |
| | | | | |
| IERC20 | Interface | | | |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | | | | |
| Context | Implementation | | | |
| | _msgSender | Internal | | |
| | | | | |
| Ownable | Implementation | Context | | |
| | | Public | ✓ | - |
| | owner | Public | | - |
| | renounceOwnership | Public | ✓ | onlyOwner |
| | transferOwnership | Public | ✓ | onlyOwner |
| | _setOwner | Private | ✓ | |
| | | | | |
| SafeMath | Library | | | |

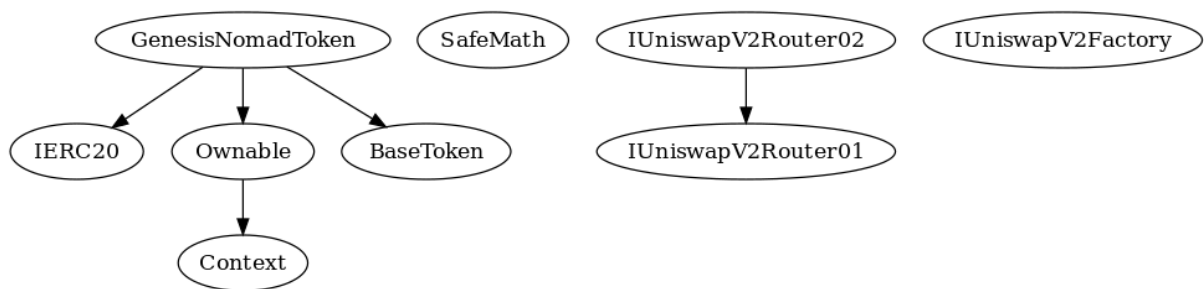
| | | | | |
|---------------------------|---|--------------------|---------|---|
| | sub | Internal | | |
| | | | | |
| IUniswapV2Router01 | Interface | | | |
| | factory | External | | - |
| | WETH | External | | - |
| | WETC | External | | - |
| | WHT | External | | - |
| | WROSE | External | | - |
| | WAVAX | External | | - |
| | addLiquidity | External | ✓ | - |
| | addLiquidityETH | External | Payable | - |
| | addLiquidityAVAX | External | Payable | - |
| | addLiquidityETC | External | Payable | - |
| | addLiquidityROSE | External | Payable | - |
| | | | | |
| IUniswapV2Router02 | Interface | IUniswapV2Router01 | | |
| | swapExactTokensForETCSupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForAVAXSupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForROSESupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForETHSupportingFeeOnTransferTokens | External | ✓ | - |
| | | | | |
| IUniswapV2Factory | Interface | | | |

| | | | | |
|---------------------------|----------------------|----------------------------------|---------|---|
| | createPair | External | ✓ | - |
| | | | | |
| BaseToken | Implementation | | | |
| | | | | |
| GenesisNomad Token | Implementation | IERC20, Ownable, BaseToken | | |
| | | Public | Payable | - |
| | getNativeCurrency | Internal | | |
| | name | External | | - |
| | symbol | External | | - |
| | decimals | External | | - |
| | totalSupply | External | | - |
| | balanceOf | Public | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | increaseAllowance | External | ✓ | - |
| | decreaseAllowance | External | ✓ | - |
| | isExcludedFromReward | External | | - |
| | totalFees | External | | - |
| | deliver | External | ✓ | - |
| | reflectionFromToken | External | | - |
| | tokenFromReflection | Public | | - |

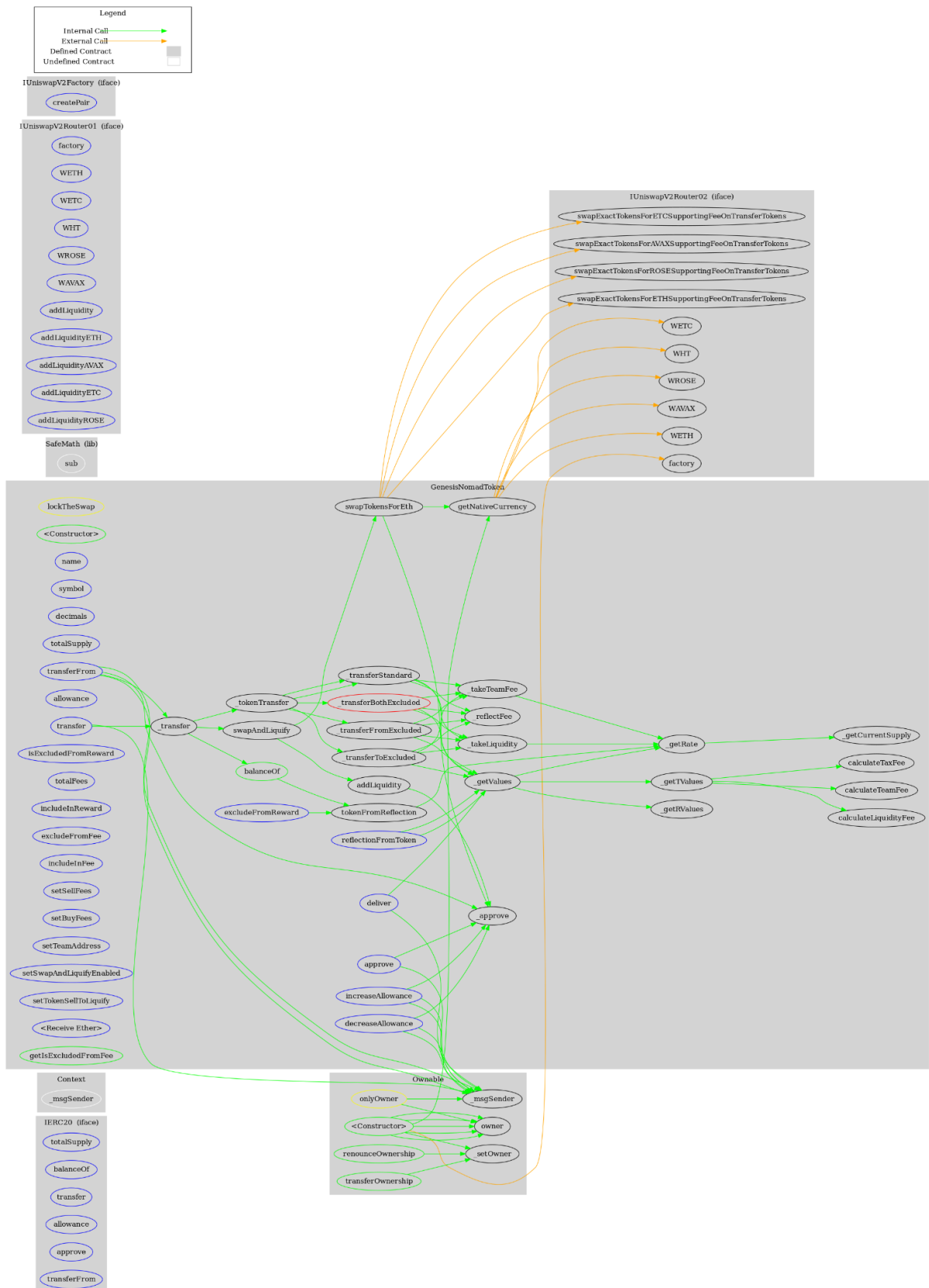
| | | | | |
|--|--------------------------|----------|---------|-----------|
| | excludeFromReward | External | ✓ | onlyOwner |
| | includeInReward | External | ✓ | onlyOwner |
| | _transferBothExcluded | Private | ✓ | |
| | excludeFromFee | External | ✓ | onlyOwner |
| | includeInFee | External | ✓ | onlyOwner |
| | setSellFees | External | ✓ | onlyOwner |
| | setBuyFees | External | ✓ | onlyOwner |
| | setTeamAddress | External | ✓ | onlyOwner |
| | setSwapAndLiquifyEnabled | External | ✓ | onlyOwner |
| | setTokenSellToLiquify | External | ✓ | onlyOwner |
| | | External | Payable | - |
| | _getValues | Private | | |
| | _getTValues | Private | | |
| | _getRValues | Private | | |
| | _getRate | Private | | |
| | _getCurrentSupply | Private | | |
| | _takeLiquidity | Private | ✓ | |
| | _takeTeamFee | Private | ✓ | |
| | _reflectFee | Private | ✓ | |
| | calculateTaxFee | Private | | |
| | calculateLiquidityFee | Private | | |
| | calculateTeamFee | Private | | |
| | getIsExcludedFromFee | Public | | - |

| | | | | |
|--|-----------------------|---------|---|-------------|
| | _approve | Private | ✓ | |
| | _transfer | Private | ✓ | |
| | swapAndLiquify | Private | ✓ | lockTheSwap |
| | swapTokensForEth | Private | ✓ | |
| | addLiquidity | Private | ✓ | |
| | _tokenTransfer | Private | ✓ | |
| | _transferStandard | Private | ✓ | |
| | _transferToExcluded | Private | ✓ | |
| | _transferFromExcluded | Private | ✓ | |

Inheritance Graph



Flow Graph



Summary

Genesis Nomad Token contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. Genesis Nomad Token is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions. There is also a limit of max 20% fees.

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About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



The Cyberscope team

<https://www.cyberscope.io>