

RugFreeCoins Audit



NFT Magic Token
Smart Contract Security Audit
January 16, 2022

Contents

Audit details	1
Disclaimer	2
Background	3
About the project	4
Target market and the concept	g
Potential to grow with score points	15
Total Points	15
Contract details	16
Token distribution	17
Contract code function details	18
Contract description table	19
Security issue checking status	35
Owner privileges	36
Audit conclusion	39

Audit details



Audited project

NFT Magic Token



Contract Address

0x932f1e2992a95Be2d0E576fE0292e96415920592



Client contact

NFT Magic Team



Blockchain

Binance smart chain



Project website

https://nftmagic.app/

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

DISCLAIMER: By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis and does not constitute investment advice. No one shall have any right to rely on the report or its contents, and Rugfreecoins and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (Rugfreecoins) owe no duty of care towards you or any other person, nor does Rugfreecoins make any warranty or representation to any person on the accuracy or completeness of the report. The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer. and Rugfreecoins hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, Rugfreecoins hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against Rugfreecoins, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

Rugfreecoins was commissioned by NFT Magic Token to perform an audit of the smart contract.

https://bscscan.com/address/0x932f1e2992a95Be2d0E576fE0292e96415920592

The focus of this audit is to verify that the smart contract is secure, resilient and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, long term sustainability and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

About the project

NFT Magic is a token built on the Binance Smart Chain that is with an innovative investment use case the main purpose of which is to seek out constant revenue sources, and heading towards building a one stop platform that allow users to get an overview of all of their holdings, well needed statistics and future investment advise based on current and historical holdings. Each transaction, purchase incurs 12% fee, and sale incurs a 13% fee.

Features

- ❖ The NFT Magic Token rewards will be distributed among every holder proportional to how many tokens each individual holds in values of 1% when buying and selling.
- ❖ The sustainability fee of 10% when buying and selling for marketing and dev is what allows NFT Magic to hold the aforementioned promise. Tokens will be sent to a marketing and dev wallet per transaction.
- ❖ The additional component included under the sustainability section is a liquidity fee of 2% when buying and selling, which is a redistribution mechanism that ensures the trading pool always has sufficient liquidity.

Tokenomics

13% fee when buying and selling

- 1% of trade goes to holders' pockets in NFT Magic tokens.
- 2% of trade goes to the liquidity pool.
- 10% of trade goes to the marketing and Dev wallet in tokens.

Roadmap

Phase 1

JAN - FEB 2022

- Creation of Smart contract
- MAJOR crypto influencer partnerships (no less than 2m + following)
- Completion of Website
- First long-term partnership with Massive profile
- Creation and build of all social medias (Facebook, Medium, Telegram, Instagram, Twitter, Reddit, Bitcointalk)
- Whitepaper completion and publication on Medium
- Begin development of our cross-chain NFT platform
- Presale on Pinksale Finance, SC/HC at 100/200 BNB
- Launch of token with initial LP of 120 BNB
- Massive marketing campaign (Poocoin ads, Telegram Call groups, CMS and Reddit posts, Articles on Yahoo Finance and similar news sites) - We are first on the market with this product but others will copy, therefore we will have to grow aggressively to claim market shares and assert dominance

Phase 2

FEB - MARCH 2022

- Hiring of crypto marketing agency
- Coingecko application
- Coinmarketcap application
- Continued development of machine learning algo that will detect what you own and give recommendations on valuable buys that is similar
- Further development of our cross-chain NFT analytics platform
- Development of staking function
- Coingecko expedited listing
- Coinmarketcap expedited listing
- Listing on Coinhunt, Coinvote, Coinmooner and all similar sites
- Surpass 1000 holders
- LP growing to 200+ BNB
- Continue previous marketing on a bigger scale
- More and bigger influencer partnerships
- Second Long-term partnership with massive profile
- SpaceX and Times Square Billboards
- Dextools trending
- Coinmarketcap trending
- Coingecko trending

Phase 3

MARCH - APRIL 2022

- Launching Alpha version of our Cross-chain NFT analytics platform (supporting SOL)
- Staking going live
- Dextools trending
- Coinmarketcap trending
- Coingecko trending
- Third, Fourth and Fifth long-term partnerships secured
- Continued aggressive marketing
- Surpass 5000+ holders
- LP grown to a minimum of 1000+ BNB
- III Further development of platform, focus on cross-chain
- First CEX listing Tier 2 CEX

Phase 4

Q2 - Q3 2022

- Beta version of our Cross-chain NFT analytics platform (now supporting SOL & ETH)
- Further massive marketing push to grow aggressively
- Second CEX listing Tier 1 CEX
- Surpass 25000+ holders
- LP grown to a minimum of 6000+ BNB
- Further development of the platform to support other popular NFT-chains & creating our own cross-chain NFT marketplace

The team

Founders



Martin S.

Background in business, sales and marketing since he was 16. Have worked as an employee, employer and has run several businesses, some more successful than others. Has since 1.5 years back been involved in crypto, both as an investor as well as an admin in various projects and other leadership positions.

Has a passion for football, dogs and gaming outside of crypto.

Is one of the co-founders and the CEO of the project.



Jeffrey G.

Worked in the tech and startup industry for over 10+ years as a designer, developer and head of product. Has since the age of 20 run his own digital agency, having customers on a global scale such as Coca Cola, H&M, Warner Bros, to name a few. He sold his part of that agency and founded several tech startups, some more successful than others. His most recent company was sold in early 2021 and he completed his first large exit. Works full time with Crypto and NFTs. Loves design in all its forms, both digital and real life such as interior design.

Does all the design and UX for the project and is one of the Co-founders.

DEVELOPERS

NETMAGIC



Paramjeet S.

Full-stack developer from India specialized in smart contracts. Have worked with development on the blockchain for the last 4 years. Can do anything, even create magic. Lives and breathes coding. Outside of work (which is barely ever), he loves Marvel movies.

Pramjeet works together with Jeff and the development team. Pram is responsible for anything and everything related to the contract.



Pavel S.

Has 3 years experience with development on the blockchain. Is our lead backend developer and functions as the teams CTO, focusing on building the platform. Pavel works out a lot (5 days a week) and enjoys focusing on having a heat the province of the province of the province of the the environment are important to him.

Makes decisions and chooses what is the most important parts to focus on now, and what the focus of the next sprint is



Danielle K.

Our Data Scientist. Has been working with machine learning and building algorithms for the past 6 years, working both as an employee and freelancer for companies such as Amazon, Facebook and Savvie.

Is a big fan of music, plays in her own jazz-band in her spare time together with 4 of her best friends. Also loves to go on long walks with her Jack Russell, "Spot".

Will be in charge of machine learning development.

MODERATORS

e are always looking for talented and experienced moderators to joins our growing team.

If you want to apply just DM @magic_222 in Telegram.





Eric F. (@magic_222)

Is our lovely community lead and head of our admin team. Have been an admin himself for various crypto projects in the last 7-8 months. Works with real estate as her day job currently, primarily with development. Loves to discuss real-estate in general and are always available on Telegram in general but loves it a little extra when the discussion goes towards real-estate. Have invested in crypto for a while.



Gaykie (@gyakie_121)

Has a lot of experience being an admin for crypto projects. Have worked in the last 2 years as an admin for various projects such as Redzilla, Alienverse and others. Loves to swim on her spare time.

Target market and the concept

Target market

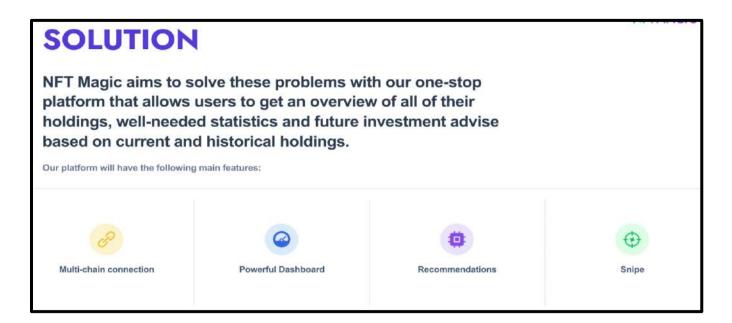
- ❖ Anyone who's interested in the Crypto space with long-term investment plans.
- ❖ Anyone who's ready to earn a passive income by holding tokens.
- Anyone who's interested in trading tokens.
- ❖ Anyone who's interested in collecting NFTs or trading NFTs.
- ❖ Anyone who's interested in using the multichain advance dashboard system.
- ❖ Anyone who's interested in taking part with the Shiba collection gaming NFT community.
- Anyone who's interested in using the advance recommendations system to analyze and buy NFTs and tokens.
- ❖ Anyone who's interested in taking part with the future plans of the NFT Magic token.
- Anyone who's interested in making financial transactions with any other party using NFT Magic as the currency.

Core concept

PROBLEM

Over the last year, NFT collections have grown to a multi billion \$ market, yet no platform exists that meets the demand of collectors who want to track their newly minted or purchased NFTs, while simultaneously engaging with their communities.

For example, token holders and NFT collectors still cannot see the value of their entire holdings in one chart. Similarly, projects are manually updating spreadsheets to keep track of basic metrics like market capitalization and unique holders. When projects want to share this data with their holders, they resort to using discord or telegram channels instead of easy to understand API-enabled dashboards. There is currently no good way to access all the relevant statistics that holders need and want. On top of this, holders also have to manually search and find potential new investments themselves, missing out on many relevant projects that they would be interested in if they only found it.



The NFT magic reward system

1% of each transaction when buying and selling is getting taxed and sent in tokens and is split amongst all holders. Holders will be eligible to receive tokens in each transaction and rewards are proportional to how many tokens each individual holds.

Sustainable mechanism

The sustainability fee of 10% when buying and selling for marketing and dev is what allows NFT Magic to promote the token and use funds to further the development of the platform. Tokens will be sent to a marketing wallet per transaction.

The liquidity fee of 2% when buying and selling, which is a redistribution mechanism that ensures the trading pool always has sufficient liquidity.



MULTICHAIN

Users will be able to connect their BSC, Ethereum and Solana wallets onto our platform to gather all of their NFTs and tokens, all in one place to show all necessary data that users need in order to gain a good overview.



RECOMMENDATIONS

Our proprietary machine learning algo will be able to recommend to users what NFTs they might be interested in purchasing based on what they own and have owned historically. It will analyze market trends and select projects deemed to have a great ROI. Our machine learning algo will as time goes by know what to recommend so our users never miss opportunities they would be interested in.

This makes it easier for users to navigate the jungle that is the NFT space. With an endless stream of new projects on various different blockchains, finding ones that you believe in is harder than ever. Our tech will help do that for you.





DASHBOARD

An easy-to-read project dashboard is a key component of any crypto token and NFT collection. Increasingly, members want to know more fine-grained metrics about their projects that are not immediately available on marketplace platforms (such as Coinmarketcap, Coingecko, Magiceden, Opensea and similar). Likewise, projects want an easy way to communicate key progress and data points to their holders, without having to post it in discord or telegram where it gets lost easily.

When a user connects their wallet(s) to our dashboard, they will be able to see:

- Individual and collective current value (Floor price & Average sale price) of their NFTs.
- Individual and collective buy-in value of their NFTs
- Charting tool for the value of their individual and collective NFTs
- Statistics for all the holdings including market capitalization, daily volume and all other key points that projects want to share with their holders.

This gives users a clear overview of how much their NFTs are worth, if its gone up/down in price compared to when they bought it, what the trend is looking like for their NFTs and all necessary data needed in order to make informed decisions.



SNIPE

We will analyze all the popular and trending NFT collections across the chains supported and fetch ranking data from the most popular ranking tools. We then match an NFT with its current ranking, and compare it to other available items to determine if it has a good price. If the price is calculated to be attractive based on traits and ranking, we will show which NFTs is a bargain to snipe (buy). We have currently built this feature in a spreadsheet for our own use, and it has worked wonders.

See demo to the right.

Potential to grow with score points

1.	Project efficiency	10/10
2.	Project uniqueness	10/10
3	Information quality	10/10
4	Service quality	9/10
5	System quality	9/10
6	Impact on the community	10/10
7	Impact on the business	8/10
8 Preparing for the future		10/10
Total	9.5/10	

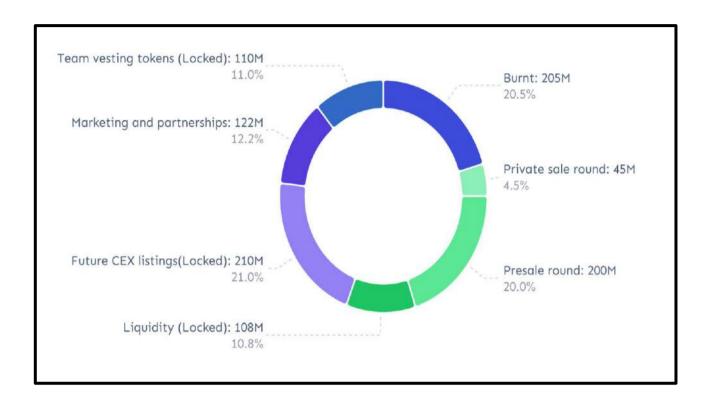
Contract details

Token contract details for 16th January 2022

Contract name	NFT Magic
Contract address	0x932f1e2992a95Be2d0E576fE0292e96415920592
Token supply	1,000,000,000
Token ticker	MAGIC
Decimals	9
Token holders	5
Transaction count	11
Marketing wallet	0x92c465c033b23b5ca3d8a3da944945e225fff2ee
Dividend tracker	0xf0e71d7ae7aaba7438ebd804cbfa3914cc4aa42a
Contract deployer address	0x911F0df56b011b7b37B97B2B41c7b886644B7BC6
Contract's current owner address	0x911f0df56b011b7b37b97b2b41c7b886644b7bc6

Token distribution

Tokens are distributed as follows:



Contract code function details

No	Category	Item	Result
		BRC20 Token standards	pass
		compile errors	pass
		Compiler version security	pass
		visibility specifiers	pass
		Gas consumption	pass
1	Coding conventions	SafeMath features	pass
		Fallback usage	pass
		tx.origin usage	pass
		deprecated items	pass
		Redundant code	pass
		Overriding variables	pass
		Authorization of function call	pass
2	Function call audit	Low level function (call/delegate call) security	pass
		Returned value security	pass
		Selfdestruct function security	pass
		Access control of owners	pass
3	Business security	Business logics	pass
		Business implementations	pass
4	Integer overflow/underflow		pass
5	Reentrancy		pass
6	Exceptional reachable state		pass
7	Transaction ordering dependence		pass
8	Block properties dependence		pass
9	Pseudo random number generator (PRNG)		pass
10	DoS (Denial of Service)		pass
11	Token vesting implementation		pass
12	Fake deposit		pass
13	Event security		pass

Contract description table

Below table represents the summary of the contracts and methods in the token contract. We scanned the whole contract and listed down all the Interfaces, functions and implementations with its visibility and mutability.

Contract	Туре	Bases		
L	Function Name	Visibility	Mutability	Modifiers
IERC20	Interface			
L	totalSupply	External [ПО[
L	balanceOf	External [NO[
L	transfer	External [NO[
L	allowance	External [№[
L	approve	External [№[
L	transferFrom	External [№[
IERC20Metadata	Interface	IERC20		
L	name	External [№[
L	symbol	External [№[
L	decimals	External [№[
Context	Implementation			

L	_msgSender	Internal 🖺	
L	_msgData	Internal 🖺	
ERC20	Implementation	Context, IERC20, IERC20Metadata	
ا		Public 🎚	МО[
L	name	Public 🎚	МО[
١	symbol	Public 🎚	МО[
L	decimals	Public 🎚	МО[
L	totalSupply	Public 🎚	МО[
١	balanceOf	Public 🎚	МО[
L	transfer	Public 🎚	МО[
L	allowance	Public 🎚	МО[
L	approve	Public 🎚	МО[
L	transferFrom	Public 🎚	МО[
L	increaseAllowance	Public 🎚	ПОИ
L	decreaseAllowanc e	Public [МО[
L	_transfer	Internal 🖺	
L	_mint	Internal 🖺	

L	_burn	Internal 🖺	
L	_approve	Internal 🖺	
L	_beforeTokenTran sfer	Internal 🖺	
L	_afterTokenTransf er	Internal 🖺	
Ownable	Implementation	Context	
L		Public [NO
L	owner	Public [NO
L	renounceOwnershi p	Public [onlyOwner
L	transferOwnership	Public [onlyOwner
L	_setOwner	Private 🖺	
SafeMath	Library		
L	tryAdd	Internal 🖺	
L	trySub	Internal 🖺	
L	tryMul	Internal 🖺	
L	tryDiv	Internal 🖺	
L	tryMod	Internal 🖺	
L	add	Internal 🖺	

L sub Internal L mul Internal L div Internal L mod Internal L sub Internal L sub Internal L div Internal L mod Internal L mod Internal L mod Internal L Internal L mod Internal L Internal L Internal Inter				
L div Internal A Inter	L	sub	Internal 🖺	
L mod Internal A Inter	L	mul	Internal 🖺	
L sub Internal L div Internal L mod Internal L mod Internal L clones Clones Library L clone Internal L cloneDeterministic Internal L predictDeterministi cAddress Internal L predictDeterministi cAddress Internal L feeTo External No L feeToSetter External No	L	div	Internal 🖺	
L div Internal C L mod Internal C Clones Library L clone Internal C L clone Internal C L predictDeterministic Internal C L predictDeterministi cAddress Internal C L predictDeterministi cAddress Internal C L feeTo External [NO] L getPair External [NO]	L	mod	Internal 🖺	
Clones Library L clone Internal Clone Internal L cloneDeterministic Internal L predictDeterministi cAddress Internal L predictDeterministi cAddress Internal L feeTo External NO NO GetPair External NO NO NO NO NO NO NO NO NO N	L	sub	Internal 🖺	
Clones Library L clone Internal Internal	L	div	Internal 🖺	
L clone Internal L cloneDeterministic Internal L predictDeterministi cAddress Internal L predictDeterministi cAddress Internal IUniswapV2Factory Interface L feeTo External L feeToSetter External NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO NO	L	mod	Internal 🖺	
L clone Internal L cloneDeterministic Internal L predictDeterministi cAddress Internal L predictDeterministi cAddress Internal L predictDeterministi cAddress Internal NO IUniswapV2Factory Interface L feeTo External NO L getPair External NO NO NO NO NO NO NO NO NO				
L cloneDeterministic Internal L predictDeterministi cAddress Internal L predictDeterministi cAddress Internal IlluniswapV2Factory Interface L feeTo External No No See To Setter External No No No No No No No N	Clones	Library		
L predictDeterministi cAddress Internal Inter	L	clone	Internal 🖺	
L predictDeterministi cAddress Internal Inter	L	cloneDeterministic	Internal 🖺	
IUniswapV2Factory Interface L feeTo External [NO [NO [Date of the content of	L	predictDeterministi cAddress	Internal 🖺	
L feeTo External [] NO[] L feeToSetter External [] NO[] L getPair External [] NO[]	L	predictDeterministi cAddress	Internal 🖺	
L feeTo External [NO] L feeToSetter External [NO] L getPair External [NO]				
L feeToSetter External [NO[NO[]	IUniswapV2Factory	Interface		
L getPair External [NO[L	feeTo	External [ПОЛ
gott an External g	L	feeToSetter	External [NO[
L allPairs External [NO]	L	getPair	External [№[
	L	allPairs	External [NO

L	allPairsLength	External [NO
L	createPair	External 🏻		№
L	setFeeTo	External 🏻		МО[
L	setFeeToSetter	External [МО[
IUniswapV2Router01	Interface			
L	factory	External [МО[
L	WETH	External 🏻		МО[
L	addLiquidity	External 🏻		NO[
L	addLiquidityETH	External [ŒÐ	№[
L	removeLiquidity	External 🏻		№[
L	removeLiquidityET H	External 🏻		№[
L	removeLiquidityWi thPermit	External 🏻		№[
L	removeLiquidityET HWithPermit	External 🏻		№[
L	swapExactTokens ForTokens	External [NO[
L	swapTokensForEx actTokens	External [NO[
L	swapExactETHFor Tokens	External [<u>C</u> B	ПО[
L	swapTokensForEx actETH	External [NO[

	swapExactTokens	_	_	_	
L	ForETH	External [NO[
L	swapETHForExact Tokens	External 🏻	CD	NO[
L	quote	External 🏻		№	
L	getAmountOut	External 🏻		№.	
L	getAmountIn	External 🏻		ПО[
L	getAmountsOut	External [ПО[
L	getAmountsIn	External 🏻		№[
IUniswapV2Router02	Interface	IUniswapV2Router01			
L	removeLiquidityET HSupportingFeeO nTransferTokens	External 🏻		NO[
L	removeLiquidityET HWithPermitSupp ortingFeeOnTransf erTokens	External [NO[
L	swapExactTokens ForTokensSupport ingFeeOnTransfer Tokens	External [NOĴ	
L	swapExactETHFor TokensSupporting FeeOnTransferTo kens	External [ŒĐ	№	
L	swapExactTokens ForETHSupporting FeeOnTransferTo kens	External 🏻		NO	
IERC20Upgradeable	Interface				
L	totalSupply	External [№	

L	balanceOf	External [NO
L	transfer	External [NO
L	allowance	External [NO
L	approve	External [NOÏ
L	transferFrom	External [NOÏ
IERC20MetadataUpgr adeable	Interface	IERC20Upgradeable		
L	name	External [NO
L	symbol	External [NO
L	decimals	External [NO
			<u> </u>	
Initializable	Implementation			
ContextUpgradeable	Implementation	Initializable		
L	Context_init	Internal 🖺		initializer
L	Context_init_un chained	Internal 🖺		initializer
L	_msgSender	Internal 🖺		
L	_msgData	Internal 🖺		

ERC20Upgradeable	Implementation	Initializable, ContextUpgradeable, IERC20Upgradeable, IERC20MetadataUpgr adeable	
L	ERC20_init	Internal 🖺	initializer
L	ERC20_init_unc hained	Internal 🖺	initializer
L	name	Public [NO
L	symbol	Public [NO
L	decimals	Public [NO
L	totalSupply	Public [NO
L	balanceOf	Public [NO
L	transfer	Public [NO
L	allowance	Public [NO
L	approve	Public [NO
L	transferFrom	Public [NO
L	increaseAllowance	Public [NO
L	decreaseAllowanc e	Public [NO
L	_transfer	Internal 🖺	
L	_mint	Internal 🖺	
L	_burn	Internal 🖺	

L	approva	Internal	
-	_approve	Internal 🖺	
L	_beforeTokenTran sfer	Internal 🖺	
L	_afterTokenTransf er	Internal 🖺	
OwnableUpgradeable	Implementation	Initializable, ContextUpgradeable	
L	Ownable_init	Internal 🖺	initializer
L	Ownable_init_u nchained	Internal 🖺	initializer
L	owner	Public [NO
L	renounceOwnershi p	Public [onlyOwner
L	transferOwnership	Public [onlyOwner
L	_setOwner	Private 🖺	
IUniswapV2Pair	Interface		
L	name	External 🌡	NO
L	symbol	External [NO
L	decimals	External [NO
L	totalSupply	External [NOÏ
L	balanceOf	External [NO
L	allowance	External [NO

L	approve	External [МО[
L	transfer	External 🏻	NO[
L	transferFrom	External 🏻	NO[
L	DOMAIN_SEPAR ATOR	External [NO
L	PERMIT_TYPEHA SH	External [NO
L	nonces	External [NO
L	permit	External [NO
L	MINIMUM_LIQUID ITY	External 🏻	NO
L	factory	External [NO
L	token0	External [NO
L	token1	External [NO
L	getReserves	External 🏻	NO[
L	price0CumulativeL ast	External 🏿	NO
L	price1CumulativeL ast	External 🏻	NO[
L	kLast	External 🏻	NO[
L	mint	External [NO[
L	burn	External [NO[
L	swap	External 🏻	МО[
L	swap	External [NO

L	skim	External [NO[
L	sync	External [МО[
L	initialize	External [№
SafeMathInt	Library		
L	mul	Internal 🖺	
L	div	Internal 🖺	
L	sub	Internal 🖺	
L	add	Internal 🖺	
L	abs	Internal 🖺	
L	toUint256Safe	Internal 🖺	
SafeMathUint	Library		
L	toInt256Safe	Internal 🖺	
IterableMapping	Library		
L	get	Public 🎚	№[
L	getIndexOfKey	Public 🎚	NO[
L	getKeyAtIndex	Public 🎚	МО[

	T		1	1
L	size	Public [№.
L	set	Public [МО[
L	remove	Public [№[
DividendPayingToken Interface	Interface			
L	dividendOf	External [NO[
L	withdrawDividend	External [МО[
DividendPayingToken OptionalInterface	Interface			
L	withdrawableDivid endOf	External [NO[
L	withdrawnDividend Of	External [NO[
L	accumulativeDivid endOf	External [МО[
		ERC20Upgradeable, OwnableUpgradeable		
DividendPayingToken	Implementation	, DividendPayingToke nInterface, DividendPayingToke nOptionalInterface		
L	DividendPaying Token_init	Internal 🖺		initializer
L	distributeCAKEDiv idends	Public 🎚		onlyOwner
L	withdrawDividend	Public [NO[

L	_withdrawDividend OfUser	Internal 🖺				
L	dividendOf	Public 🎚		NO[
L	withdrawableDivid endOf	Public [NO[
L	withdrawnDividend Of	Public [NO		
L	accumulativeDivid endOf	Public [NO		
L	_transfer	Internal 🖺				
L	_mint	Internal 🖺				
L	_burn	Internal 🖺				
L	_setBalance	Internal 🖺				
DADYTOKENDI I Lau I		OwnableUpgradeable				
BABYTOKENDividend Tracker	Implementation	OwnableUpgradeable , DividendPayingToke n				
	Implementation initialize	, DividendPayingToke		initializer		
Tracker		, DividendPayingToke n		initializer		
Tracker L	initialize	DividendPayingToke n External		initializer NO[]		
L L	initialize _transfer	DividendPayingToke n External Internal				
L L	initialize _transfer withdrawDividend excludeFromDivid	DividendPayingToke n External Internal Public		NO		

<u> </u>	_			
L	updateMinimumTo kenBalanceForDivi dends	External 🏻		onlyOwner
L	getLastProcessedI ndex	External [NO
L	getNumberOfToke nHolders	External 🏻		ио[
L	getAccount	Public [МО[
L	getAccountAtIndex	Public [МО[
L	canAutoClaim	Private 🖺		
L	setBalance	External 🏻		onlyOwner
L	process	Public [МО[
L	processAccount	Public [onlyOwner
BaseToken	Implementation			
BABYTOKEN	Implementation	ERC20, Ownable, BaseToken		
L		Public [<u>a</u> p	ERC20
L		External [<u>c</u> p	МО[
L	setSwapTokensAt Amount	External 🏻		onlyOwner
L	updateDividendTr acker	Public [onlyOwner
L	updateUniswapV2 Router	Public [onlyOwner

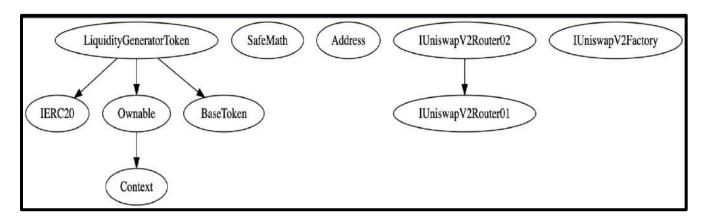
L	excludeMultipleAc countsFromFees	Public [onlyOwner
L	setMarketingWalle t	External [onlyOwner
L	setTokenRewards Fee	External [onlyOwner
L	setLiquiditFee	External [onlyOwner
L	setMarketingFee	External 🎚	onlyOwner
L	setAutomatedMark etMakerPair	Public [onlyOwner
L	_setAutomatedMa rketMakerPair	Private 🖺	
L	updateGasForPro cessing	Public 🎚	onlyOwner
L	updateClaimWait	External [onlyOwner
L	getClaimWait	External 🎚	NO[
L	updateMinimumTo kenBalanceForDivi dends	External [onlyOwner
L	getMinimumToken BalanceForDivide nds	External [NO[
L	getTotalDividends Distributed	External [NO
L	isExcludedFromFe es	Public 🎚	№Д
L	withdrawableDivid endOf	Public [№Д
L	dividendTokenBal anceOf	Public [№[
L	excludeFromDivid ends	External [onlyOwner

L	isExcludedFromDi vidends	Public [МО[
L	getAccountDividen dsInfo	External [NO[
L	getAccountDividen dsInfoAtIndex	External [NO[
L	processDividendTr acker	External [МО[
L	claim	External [МО[
L	getLastProcessedI ndex	External [ВОИ
L	getNumberOfDivid endTokenHolders	External [МО[
L	_transfer	Internal 🖺	
L	swapAndSendToF ee	Private 🖺	
L	swapAndLiquify	Private 🖺	
L	swapTokensForEt h	Private 🖺	
L	swapTokensForCa ke	Private 🖺	
L	addLiquidity	Private 🖺	
L	swapAndSendDivi dends	Private 🖺	

Legend

Symbol	Meaning
	Function can modify state
go.	Function is payable

Inheritance Hierarchy



Security issue checking status

- High severity issues No high severity issues found.
- Medium severity issues No medium severity issues found.
- Low severity issues
 No low severity issues found.

Owner privileges

The owner can change the token swap point.

```
ftrace|funcSig
function setSwapTokensAtAmount(uint256 amount1) external onlyOwner {
    swapTokensAtAmount = amount1;
}
```

The owner can change dividend tracker.

The owner can change the marketing wallet.

The owner can change the router address.

The owner can exclude wallets from fees.

❖ The owner can change all fees (total fee maximum up to 25%).

```
ftrace|funcSig
function setTokenRewardsFee(uint256 value1) external onlyOwner {
    tokenRewardsFee = value1;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}</pre>
```

```
ftrace|funcSig
  function setLiquiditFee(uint256 value1) external onlyOwner {
      liquidityFee = value1;
      totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
      require(totalFees <= 25, "Total fee is over 25%");
}

ftrace|funcSig</pre>
```

```
ftrace|funcSig
function setMarketingFee(uint256 value1) external onlyOwner {
    marketingFee = value1;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}</pre>
```

❖ The owner can change the max gas limit for reward distributions.

The owner can exclude wallets from rewards.

```
ftrace|funcSig
  function excludeFromDividends(address account1) external onlyOwner {
         dividendTracker.excludeFromDividends(account1);
}
```

Audit conclusion

While conducting the audit of the NFT Magic smart contract, it was observed that there is nothing alarming with the code.