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### **Audit Summary**

This report has been prepared for MetaEvent Token on the Binance Smart Chain network. CFGNINJA provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.







# **Project Overview**

### **Token Summary**

Parameter	Result
Address	0x0b860C7e48F08b464F8D9ce12f0b4cB4d06FBb38
Name	MetaEvent
Token Tracker	MetaEvent (Event)
Decimals	18
Supply	500,000,000
Platform	Binance Smart Chain
compiler	v0.8.15+commit.e14f2714
Contract Name	EVENT
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://bscscan.com/address/0x0b860C7e48F08b464F8D9ce12f0b4cB4d06FBb38#code
Payment Tx	0x1f01d304d9c5c2f0dfdbca8d1c2bb3e8b662fe4a8c4c8a838 3422a5b20438292







## **Project Overview**

### Risk Analysis Summary

Parameter	Result
Buy Tax	10%
Sale Tax	10%
Is honeypot?	Clean
Can edit tax?	Yes
Is anti whale?	No
Is blacklisted?	Yes
Is whitelisted?	No
Holders	Clean
Security Score	98/100
Auditor Score	98/100
Confidence Level	Pass

The following quick summary has been added to the project overview, however there are more details about the audit and their results please read every details.







# Main Contract Assessed Contract Name

Name	Contract	Live
MetaEvent	0x0b860C7e48F08b464F8D9ce12f0b4cB4d06FBb38	Yes

# TestNet Contract Assessed Contract Name

Name	Contract	Live
MetaEvent	Oxa8dbBOdf2Bb9BA5FF4d1783539408F7C51e58115	Yes

### **Solidity Code Provided**

SolID	File Sha-1	FileName
MEvent	4e049fe64b5487e103f674197efd51a79a575297	MEvent.sol







### **Mint Check**

The Project Owners of MetaEvent does not have a mint function in the contract, owner cannot mint tokens after initial deploy

• •

The Project has a Total Supply of 500,000,000 and cannot mint any more than the Max Supply.

Mint Notes:

Auditor Notes: A Mint Function was not found during the code review

**Project Owner Notes:** 











### **Fees Check**

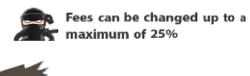
The Project Owners of MetaEvent does not have the ability to set fees higher than 25%.

Team May have fees defined, however they dont have the ability to set those fees higher than 25%.

Tax Fee Notes:

Auditor Notes: Contract currently have 10% tax and can be increased.

**Project Owner Notes:.** 











### **Blacklist Check**

The Project Onwers of MetaEvent has the ability to Blacklist holders from transferring their tokens.

We Recommend the team to be careful with a blacklist function as this can basically prevent ah holder from buying/selling/transferring their assets. Malicious or compromised owners can trap contracts relying on tokens with a blacklist.

**Blacklist Notes:** 

Auditor Notes: Contract have a blacklist function presented.

Project Owner Notes:.









### MaxTx Check

The Project Owners of MetaEvent can set max tx amount.

The ability to set MaxTx can be used as bad actor, this can limit the ability of investors to sale their tokens at any given time if is set too low..

We recommend the project to set MaxTx to Total Supply or simiar to avoid swap or transfer from failures

MaxTX Notes:

**Auditor Notes:** 

**Project Owner Notes:** 

Project Has MaxTX







### **Pause Trade Check**

The Project Owners of MetaEvent don't have the ability to stop or pause trading.

The Team has done a great job to avoid stop trading, and investors has the ability to trade at any given time without any problems

Pause Trade Notes:

Auditor Notes: Not found a value to stop, however there is a start trade.

**Project Owner Notes:** 









### **Contract Ownership**

The contract ownership of MetaEvent is not currently renounced. The ownership of the contract grants special powers to the protocol creators, making them the sole addresses that can call sensible ownable functions that may alter the state of the protocol.

The current owner is the address

0x51C173f534E8f0af7F185aE877215A0F96257852

which can be viewed from:

### **HERE**

The owner wallet has the power to call the functions displayed on the priviliged functions chart below, if the owner wallet is compromised this privileges could be exploited.

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.

We recommend the team to use a Multisignature Wallet if contract is not going to be renounced, this will give the ability to the team to have more control over the contract.







### **Liquidity Ownership**

The token does not have liquidity at the moment of the audit, block 20094345

If liquidity is unlocked, then the token developers can do what is infamously known as 'rugpull'. Once investors start buying token from the exchange, the liquidity pool will accumulate more and more coins of established value (e.g., ETH or BNB or Tether). This is because investors are basically sending these tokens of value to the exchange, to get the new token. Developers can withdraw this liquidity from the exchange, cash in all the value and run off with it. Liquidity is locked by renouncing the ownership of liquidity pool (LP) tokens for a fixed time period, by sending them to a time-lock smart contract. Without ownership of LP tokens, developers cannot get liquidity pool funds back. This provides confidence to the investors that the token developers will not run away with the liquidity money. It is now a standard practice that all token developers follow, and this is what really differentiates a scam coin from a real one.

#### Read More









### **KYC Information**

The Project Owners of MetaEvent is not KYC...

The owner wallet has the power to call the functions displayed on the priviliged functions chart below, if the owner wallet is compromised this privileges could be exploited.

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.

**KYC Information Notes:** 

Auditor Notes: Asked project owner about KYC, Project owner passed KYC with PinkSale.

**Project Owner Notes:** 









# Smart Contract Vulnerability Checks

ID	Severity	Name	File	location
SWC-100	Pass	Function Default Visibility	MEvent.sol	L: 0 C: 0
SWC-101	Pass	Integer Overflow and Underflow.	MEvent.sol	L: 0 C: 0
SWC-102	Pass	Outdated Compiler Version file.	MEvent.sol	L: 0 C: 0
SWC-103	Pass	A floating pragma is set.	MEvent.sol	L: 2 C: 0
SWC-104	Pass	Unchecked Call Return Value.	MEvent.sol	L: 0 C: 0
SWC-105	Pass	Unprotected Ether Withdrawal.	MEvent.sol	L: 0 C: 0
SWC-106	Pass	Unprotected SELFDESTRUCT Instruction	MEvent.sol	L: 0 C: 0
SWC-107	Pass	Read of persistent state following external call.	MEvent.sol	L: 0 C: 0
SWC-108	Pass	State variable visibility is not set	MEvent.sol	L: 0 C: 0
SWC-109	Pass	Uninitialized Storage Pointer.	MEvent.sol	L: 0 C: 0
SWC-110	Pass	Assert Violation.	MEvent.sol	L: 0 C: 0
SWC-111	Pass	Use of Deprecated Solidity Functions.	MEvent.sol	L: 0 C: 0
SWC-112	Pass	Delegate Call to Untrusted Callee.	MEvent.sol	L: 0 C: 0







ID	Severity	Name	File	location
SWC-113	Pass	Multiple calls are executed in the same transaction.	MEvent.sol	L: 0 C: 0
SWC-114	Pass	Transaction Order Dependence.	MEvent.sol	L: 0 C: 0
SWC-115	Pass	Authorization through tx.origin.	MEvent.sol	L: 0 C: 0
SWC-116	Pass	A control flow decision is made based on The block.timestamp environment variable.	MEvent.sol	L: 0 C: 0
SWC-117	Pass	Signature Malleability.	MEvent.sol	L: 0 C: 0
SWC-118	Pass	Incorrect Constructor Name.	MEvent.sol	L: 0 C: 0
SWC-119	Pass	Shadowing State Variables.	MEvent.sol	L: 0 C: 0
SWC-120	Pass	Potential use of block.number as source of randonmness.	MEvent.sol	L: 603 C: 12,L: 770 C: 24
SWC-121	Pass	Missing Protection against Signature Replay Attacks.	MEvent.sol	L: 0 C: 0
SWC-122	Pass	Lack of Proper Signature Verification.	MEvent.sol	L: 0 C: 0
SWC-123	Pass	Requirement Violation.	MEvent.sol	L: 0 C: 0
SWC-124	Pass	Write to Arbitrary Storage Location.	MEvent.sol	L: 0 C: 0
SWC-125	Pass	Incorrect Inheritance Order.	MEvent.sol	L: 0 C: 0
SWC-126	Pass	Insufficient Gas Griefing.	MEvent.sol	L: 0 C: 0
SWC-127	Pass	Arbitrary Jump with Function Type Variable.	MEvent.sol	L: 0 C: 0







ID	Severity	Name	File	location
SWC-128	Pass	DoS With Block Gas Limit.	MEvent.sol	L: 0 C: 0
SWC-129	Pass	Typographical Error.	MEvent.sol	L: 0 C: 0
SWC-130	Pass	Right-To-Left-Override control character (U +202E).	MEvent.sol	L: 0 C: 0
SWC-131	Pass	Presence of unused variables.	MEvent.sol	L: 0 C: 0
SWC-132	Pass	Unexpected Ether balance.	MEvent.sol	L: 0 C: 0
SWC-133	Pass	Hash Collisions with Multiple Variable Length Arguments.	MEvent.sol	L: 0 C: 0
SWC-134	Pass	Message call with hardcoded gas amount.	MEvent.sol	L: 0 C: 0
SWC-135	Pass	Code With No Effects (Irrelevant/Dead Code).	MEvent.sol	L: 0 C: 0
SWC-136	Pass	Unencrypted Private Data On-Chain.	MEvent.sol	L: 0 C: 0

We scan the contract for additional security issues using MYTHX and industry standard security scanning tool

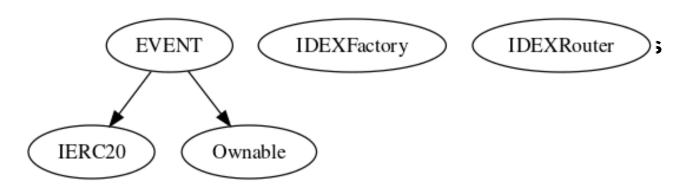






### Call Graph and Inheritance

The contract for MetaEvent has the following call graph structure









### Priviliged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	none	public
setSwapThreshold	none	public
setTaxes	none	public
SetAMM	none	public
excludeAccountFromF ees	none	public
setLaunchTimestamp	none	public
setMinTokens	none	public
setTimespan	none	public







#### **Assessment Results**

- Owner can't charge fees up to 25%.
- Owner can't set max tx amount.
- Owner can't pause trading.
- No high-risk Exploits/Vulnerabilities Were Found in the Source Code.
- Contract has been review it and test it, there no sign of issues within the contract and it came back clean.
- Tokenomics show that only 40% will be available for sale, we recommend customers to sale 65% of their token

### **Audit Passed**









### **Social Media Checks**

Social Media	URL	Result
Twitter	https://twitter.com/MetaEventBSC	Pass
Instagram		Fail
Website	https://www.metaevent.me	Pass
Telegram	https://t.me/metaevent_entry_portal	Pass

We recommend to have 3 or more social media sources including a completed working websites.

Social Media Information Notes:

**Auditor Notes: undefined** 

Project Owner Notes: No other social media









# **Technical Findings Summary**

### **Classification of Risk**

Severity	Description
Critical	risks are those that impact the safe functioning of a platform and must be addressed before launch. Users should not invest in any project with outstanding critical risks.
Major	risks can include centralization issues and logical errors. Under specific circumstances, these major risks can lead to loss of funds and/or control of the project.
Medium	risks may not pose a direct risk to users' funds, but they can affect the overall functioning of a platform
Minor	risks can be any of the above but on a smaller scale. They generally do not compromise the overall integrity of the project, but they may be less efficient than other solutions.
Informational	errors are often recommendations to improve the style of the code or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

### **Findings**

Severity	Found	Pending	Resolved
Critical	0	0	0
Major	0	0	0
Medium	0	0	0
Minor	1	0	0
<ul><li>Informational</li></ul>	1	1	0
Total	1	1	0







### **Event-02 | Function Visibility Optimization.**

Category	Severity	Location	Status
Gas Optimization	<ul><li>Informational</li></ul>	MEvent.sol: 0,0	Pending

#### **Description**

The following functions are declared as public and are not invoked in any of the contracts contained within the projects scope:

Function Name	Parameters	Visibility
name		public
symbol		public
decimals		public
setTaxes		public
setSellTaxes		public

The functions that are never called internally within the contract should have external visibility

#### Remediation

We advise that the functions' visibility specifiers are set to external and the array-based arguments change their data location from memory to calldata, optimizing the gas cost of the function.

References:

external vs public best practices.







### **Appendix**

### **Finding Categories**

#### **Centralization / Privilege**

Centralization / Privilege findings refer to either feature logic or implementation of components that actagainst the nature of decentralization, such as explicit ownership or specialized access roles incombination with a mechanism to relocate funds.

#### **Gas Optimization**

Gas Optimization findings do not affect the functionality of the code but generate different, more optimalEVM opcodes resulting in a reduction on the total gas cost of a transaction.

#### **Logical Issue**

Logical Issue findings detail a fault in the logic of the linked code, such as an incorrect notion on howblock.timestamp works.

#### **Control Flow**

Control Flow findings concern the access control imposed on functions, such as owneronly functionsbeing invoke-able by anyone under certain circumstances.

#### **Volatile Code**

Volatile Code findings refer to segments of code that behave unexpectedly on certain edge cases that mayresult in a vulnerability.

#### **Coding Style**

Coding Style findings usually do not affect the generated byte-code but rather comment on how to makethe codebase more legible and, as a result, easily maintainable.

#### **Inconsistency**

Inconsistency findings refer to functions that should seemingly behave similarly yet contain different code, such as a constructor assignment imposing different require statements on the input variables than a setterfunction.

#### **Coding Best Practices**

ERC 20 Conding Standards are a set of rules that each developer should follow to ensure the code meet a set of creterias and is readable by all the developers.







#### Disclaimer

CFGNINJA has conducted an independent audit to verify the integrity of and highlight any vulnerabilities or errors, intentional or unintentional, that may be present in the codes that were provided for the scope of this audit. This audit report does not constitute agreement, acceptance or advocation for the Project that was audited, and users relying on this audit report should not consider this as having any merit for financial advice in any shape, form or nature. The contracts audited do not account for any economic developments that may be pursued by the Project in question, and that the veracity of the findings thus presented in this report relate solely to the proficiency, competence, aptitude and discretion of our independent auditors, who make no guarantees nor assurance that the contracts are completely free of exploits, bugs, vulnerabilities or deprecation of technologies.

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