



MetaPolice



Polygon

Public audit report



trustedbytes.org



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Project description

Token name	METAPOLICE
URL	https://metapolice.finance/
Blockchain	Polygon
Project name	MetaPolice
Logo	
Ticker	\$MPOL
Address	0x5cB4ce8F60beDB05Aee2d47959276adcB735f21a
Date	2023-04-03



Introduction

The report was prepared for MetaPolice team. The audit was requested by a community member.

The token supports the ERC-20 interface and realizes a custom tokens redistribution concept.

🛡 Procedure

We perform our audit according to the following procedure:

- Automated analysis;
- Scanning the project's smart contracts with automated Solidity analysis tools of our own development;
- Manual verification all the issues found by the tools.

Manual audit

- 🛡 Manually analyse smart contracts for well known or trended security vulnerabilities
- 🛡 Smart contracts' logic check



Automatic check results

Title	Check result
Unencrypted Private Data On-Chain	passed
Code With No Effects	passed
Message call with hardcoded gas amount	passed
Typographical Error	passed
DoS With Block Gas Limit	passed
Presence of unused variables	passed
Incorrect Inheritance Order	passed
Requirement Violation	passed
Weak Sources of Randomness from Chain	passed
Attributes	passed
Shadowing State Variables	passed
Incorrect Constructor Name	passed
Block values as a proxy for time	passed
Authorization through tx.origin	passed
DoS with Failed Call	passed
Delegatecall to Untrusted Callee	passed
Use of Deprecated Solidity Functions	passed
Assert Violation	passed
State Variable Default Visibility	passed
Reentrancy	passed
Unprotected SELFDESTRUCT Instruction	passed



Issues

High risk	1 issue found (1 fixed)
Medium risk	1 issue found
Low risk	not found

Security Score: 

Issues description:

High risk issues

1. Ownership renounced or source does not contain an owner contract (issue is FIXED)

The contract contains ownership functionality and ownership is not renounced which may allow the creator or current owner to modify contract behavior (for example: disable selling, change fees, or mint new tokens).

Recommendation:

In the renounceOwnership function, the owner variable should be set to the zero address after transferring ownership to a new owner. Add the line owner = address(0); after setting the newOwner variable.

In the metapolicetoken constructor, the owner variable is being redeclared, which creates a new local variable instead of updating the state variable. To fix this, remove the address type from address owner = owner;

Medium risk issues

1. Creator wallet contains more than 5% of circulating token supply (98%)

The creator wallet contains a substantial amount of tokens which could have a large impact on the token price if sold.

Recommendation:

The creator can burn his tokens, add LP and use any locking (vesting) LP service. If these tokens should be spread after presale be sure that contract creator will do it according to tokenomics mentioned in project documentation (whitepaper).

Official team's reply:

This project is at the beginning of distribution, it is natural that more than 99% of tokens have not been distributed yet. By the end of April, all these topics will be done.

Low risk issues

Not found



Project overview



Twitter

**19
subscribers**



Coinmarketcap

Not listed



Token holders

**2
addresses**



Telegram

**37
members**



Disclaimer

This audit report is based on the existing knowledge and skills of our auditors, as well as specialized tools of our own development. Verification is always carried out for already known main types of vulnerabilities and threats, both from the user (investor) and from the developers. An audit of a smart contract doesn't provide a full guarantee that a particular project is completely safe. An audit is just one of the tools to check the honesty of the founders (developers) and their professional skills in developing, along with such methods as liquidity pool locking , KYC and others. Only in the aggregate, you can decide whether to invest in a project or not to do it. First of all DYOR and nothing else.



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