



MetaRabbit

Smart Contract Audit Report

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AUDITED DETAILS

Audited Project

| Project name | Token ticker | Blockchain |
|--------------|--------------|------------|
| MetaRabbit | METRC | BSC |

Addresses

| | |
|---------------------------|--|
| Contract address | 0x3d0b1Bf4962b9ebFd494612A0CB1299b9809F397 |
| Contract deployer address | 0xB275D3513BbA405b01c8D6e9ef412440502A7f05 |

Project Website

<http://metarabbit.casino/>

Codebase

<https://bscscan.com/address/0x3d0b1Bf4962b9ebFd494612A0CB1299b9809F397#code>

SUMMARY

MetaRabbit Casino is an online casino platform specializing in cryptocurrencies. Our platform will host a diverse selection of games, including slots, poker, blackjack, and more. We are positioned at the forefront of the cryptocurrency gambling space, with instant BTC, BNB & USDT deposits/withdrawals. Test our casino Dapp today, claim a free legendary early supporter NFT, and stand a chance to win \$36K USDT!

Contract Summary

Documentation Quality

This project has a standard of documentation.

- Technical description provided.

Code Quality

The quality of the code in this project is up to standard.

- The official Solidity style guide is followed.

Test Scope

Project test coverage is 100% (Via Codebase).

Audit Findings Summary

Issues Found

- SWC-103 | A floating pragma is set discovered on lines 10, 37, 115, 222, 307, 337, 728, and 767, the Solidity directive pragma used changed from `^0.8.0` to `^0.8.9`. It is recommended to specify a fixed compiler version to ensure that the resulting bytecode does not vary between builds. This is especially important if you rely on bytecode level code verification.

CONCLUSION

We have audited the MetaRabbit project released on January 2023 to discover issues and identify potential security vulnerabilities in MetaRabbit Project. This process is used to find technical issues and security loopholes that find some common issues in the code.

The security audit report produced satisfactory results with low-risk issues.

The issue in this project is that a floating pragma is set, and the Solidity directive pragma is changed at another line. Specifying a fixed compiler version is recommended to ensure that the resulting bytecode does not vary between builds. This is especially important if you rely on bytecode level code verification

AUDIT RESULT

| Article | Category | Description | Result |
|-----------------------------------|--------------------|---|-------------|
| Default Visibility | SWC-100 SWC-108 | Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously. | PASS |
| Integer Overflow and Underflow | SWC-101 | If unchecked math is used, all math operations should be safe from overflows and underflows. | PASS |
| Outdated Compiler Version | SWC-102 | It is recommended to use a recent version of the Solidity compiler. | PASS |
| Floating Pragma | SWC-103 | Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly. | ISSUE FOUND |
| Unchecked Call Return Value | SWC-104 | The return value of a message call should be checked. | PASS |
| SELFDESTRUCT Instruction | SWC-106 | The contract should not be self-destructible while it has funds belonging to users. | PASS |
| Check-Effect Interaction | SWC-107 | Check-Effect-Interaction pattern should be followed if the code performs ANY external call. | PASS |
| Assert Violation | SWC-110 | Properly functioning code should never reach a failing assert statement. | PASS |
| Deprecated Solidity Functions | SWC-111 | Deprecated built-in functions should never be used. | PASS |
| Delegate call to Untrusted Caller | SWC-112 | Delegatecalls should only be allowed to trusted addresses. | PASS |
| DoS (Denial of Service) | SWC-113 SWC-128 | Execution of the code should never be blocked by a specific contract state unless required. | PASS |
| Race Conditions | SWC-114 | Race Conditions and Transactions Order Dependency should not be possible. | PASS |

| | | | |
|----------------------------------|-------------------------------|---|------|
| Authorization through tx.origin | SWC-115 | tx.origin should not be used for authorization. | PASS |
| Block values as a proxy for time | SWC-116 | Block numbers should not be used for time calculations. | PASS |
| Signature Unique Id | SWC-117 SWC-121 SWC-122 | Signed messages should always have a unique id. A transaction hash should not be used as a unique id. | PASS |
| Shadowing State Variable | SWC-119 | State variables should not be shadowed. | PASS |
| Weak Sources of Randomness | SWC-120 | Random values should never be generated from Chain Attributes or be predictable. | PASS |
| Incorrect Inheritance Order | SWC-125 | When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/. | PASS |

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 10

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
9
10 pragma solidity ^0.8.0;
11
12 /**
13  * @dev Provides information about the current execution context, including the
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 37

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
36
37  pragma solidity ^0.8.0;
38
39
40  /**
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 115

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
114
115  pragma solidity ^0.8.0;
116
117
118  /**
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 222

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
221
222  pragma solidity ^0.8.0;
223
224  /**
225  * @dev Interface of the ERC20 standard as defined in the EIP.
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 307

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
306
307  pragma solidity ^0.8.0;
308
309
310  /**
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 337

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
336  
337  pragma solidity ^0.8.0;  
338  
339  
340
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 728

low SEVERITY

The current pragma Solidity directive is ""^0.8.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
727
728  pragma solidity ^0.8.0;
729
730
731
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 767

low SEVERITY

The current pragma Solidity directive is ""^0.8.9"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MetaRabbit.sol

Locations

```
766  
767  pragma solidity ^0.8.9;  
768  
769  
770
```


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