



VITALBlock security.

Blockchain Security | Smart Contract Audit | KYC Certification | **SAFU** |
CEX Listing | Marketing

MADE IN CANADA

MOONMOVERZ

AUDIT

SECURITY ASSESSMENT

1ST MAY 2025

For



Making Blockchain, Defi And Web3 A Safer Place.



**Smart
Check**



SLITHER



**TRAIL
OF BITS**

MythX



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INTRODUCTION

Auditing Firm	 VITAL BLOCK SECURITY
Client Firm	 MOONMOVERZ
Methodology	Automated Analysis, Manual Code Review
Language	Move
Contract Address	TOKEN_STAKING.MOVE GMOONTOKEN.MOVE
Source Code Light	Verified
Centralization	Active ownership
Upgrade Policy	Compatible
Blockchain	 MOVEMENT
Website	https://app.moonmoverz.xyz
Discord	https://discord.gg/EJ89fxzPmb
Twitter	https://x.com/moonmoverz
Telegram	https://t.me/moonmoverz
Prelim Report Date	April 29 th 2025
Final Report Date	MAY 1 ST 2025

 Verify the authenticity of this report on our GitHub Repo: <https://www.github.com/vital-block>



Document Properties

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Auditors	Akhmetshin Marat, James BK, Ben Partrick , C. John
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Version	Date	Author(s)	Description
1.0	APRIL 29 TH , 2025	C. John	Final Release
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Contact

For more information about this document and its contents, please contact Vital Block Security Inc.

Name	Akhmetshin Marat
Phone 	+1 (579) 817-7049
Email	info@vitalblock.org

SCOPE OF WORK

Vital Block was consulted by **MOONMOVERZ** to conduct the smart contract audit of its. Rust (MOVE) source code. The audit scope of work is strictly limited to the mentioned .Move file only:

0. GMOON.move

 **External contracts and/or interfaces dependencies are not checked due to being out of scope.**

Verify audited contract's contract address and deployed link below:

Public Contract Address	
0x56bdf0857574baeb7645ce1f067860d08fdeb522561304cbfa1fea1578297873	
Contract Name	MOONMOVERZ
Ticker	\$GMOON
Total Supply	100,000,000,000

AUDIT METHODOLOGY

Smart contract audits are conducted using a set of standards and procedures. Mutual collaboration is essential to performing an effective smart contract audit. Here's a brief overview of Vital Block

Security auditing process and methodology:

CONNECT

- The onboarding team gathers source codes, and specifications to make sure we understand the size, and scope of the smart contract audit.

AUDIT

- Automated analysis is performed to identify common contract vulnerabilities. We may use the following third-party frameworks and dependencies to perform the automated analysis:
 - Remix IDE Developer Tool
 - Open Zeppelin Code Analyzer
 - SWC Vulnerabilities Registry
 - DEX Dependencies, e.g., Pancakeswap, Uniswap
- Simulations are performed to identify centralized exploits causing contract and/or trade locks.
- A manual line-by-line analysis is performed to identify contract issues and centralized privileges.

We may inspect below mentioned common contract vulnerabilities, and centralized exploits:

Centralized Exploits	<ul style="list-style-type: none"> ○ Token Supply Manipulation ○ Access Control and Authorization ○ Assets Manipulation ○ Ownership Control ○ Liquidity Access ○ Stop and Pause Trading ○ Ownable Library Verification
----------------------	---

Common Contract Vulnerabilities

- Integer Overflow
- Lack of Arbitrary limits
- Incorrect Inheritance Order
- Typographical Errors
- Requirement Violation
- Gas Optimization
- Coding Style Violations
- Re-entrancy
- Third-Party Dependencies
- Potential Sandwich Attacks
- Irrelevant Codes
- Divide before multiply
- Conformance to Solidity Naming Guides
- Compiler Specific Warnings
- Language Specific Warnings

REPORT

- The auditing team provides a preliminary report specifying all the checks which have been performed and the findings thereof.
- The client's development team reviews the report and makes amendments to the codes.
- The auditing team provides the final comprehensive report with open and unresolved issues.

PUBLISH

- The client may use the audit report internally or disclose it publicly.

 It is important to note that there is no pass or fail in the audit, it is recommended to view the audit as an unbiased assessment of the safety of solidity codes.

Table 1.0 The Full Audit Checklist

Category	Checklist Items
Basic Coding Bugs	Constructor Mismatch
	Ownership Takeover
	Redundant Fallback Function
	Overflows & Underflows
	Reentrancy
	Money-Giving Bug
	Blackhole
	Unauthorized Self-Destruct
	Revert DoS
	Unchecked External Call
	Gasless Send
	Send Instead Of Transfer
	Costly Loop
	(Unsafe) Use Of Untrusted Libraries
	(Unsafe) Use Of Predictable Variables
	Transaction Ordering Dependence
	Deprecated Uses
Semantic Consistency Checks	Semantic Consistency Checks
Advanced DeFi Scrutiny	Business Logics Review
	Functionality Checks
	Authentication Management
	Access Control & Authorization
	Oracle Security
	Digital Asset Escrow
	Kill-Switch Mechanism
	Operation Trails & Event Generation
	ERC20 Idiosyncrasies Handling
	Frontend-Contract Integration
	Deployment Consistency
	Holistic Risk Management
Additional Recommendations	Avoiding Use of Variadic Byte Array
	Using Fixed Compiler Version
	Making Visibility Level Explicit
	Making Type Inference Explicit
	Adhering To Function Declaration Strictly
	Following Other Best Practices

EXECUTIVE SUMMARY

Vital Block Security has performed the automated and manual analysis of the **MOONMOVERZ** Move code. The code was reviewed for common contract vulnerabilities and centralized exploits. Here's a quick audit summary:

Status	Critical ! 🔴	Major " 🟡	Medium # 🟡	Minor \$ 🟢	Unknown % 🟤
Open	0	0	0	3	0
Acknowledged	0	0	2	2	0
Resolved	0	0	0	0	0
Noteworthy onlyOwner Privileges	Set Taxes and Ratios, Airdrop, Set Protection Settings, Set Reward Properties, Set Reflector Settings, Set Swap Settings, Set Pair and Router				

MOONMOVERZ Smart contract has achieved the following score: **95.0**



i Please note that smart contracts deployed on blockchains aren't resistant to exploits, vulnerabilities and/or hacks. Blockchain and cryptography assets utilize new and emerging technologies. These technologies present a high level of ongoing risks. For a detailed understanding of risk severity, source code vulnerability, and audit limitations, kindly review the audit report thoroughly.

i Please note that centralization privileges regardless of their inherited risk status - constitute an elevated impact on smart contract safety and security.

RISK CATEGORIES

Smart contracts are generally designed to hold, approve, and transfer tokens. This makes them very tempting attack targets. A successful external attack may allow the external attacker to directly exploit. A successful centralization-related exploit may allow the privileged role to directly exploit. All risks which are identified in the audit report are categorized here for the reader to review:

Risk Type	Definition
Critical 🚫	These risks could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.
Major 🟡	These risks are hard to exploit but very important to fix, they carry an elevated risk of smart contract manipulation, which can lead to high-risk severity.
Medium 🟠	These risks should be fixed, as they carry an inherent risk of future exploits, and hacks which may or may not impact the smart contract execution. Low-risk re-entrancy-related vulnerabilities should be fixed to deter exploits.
Minor 🟢	These risks do not pose a considerable risk to the contract or those who interact with it. They are code-style violations and deviations from standard practices. They should be highlighted and fixed nonetheless.
Unknown 🟤	These risks pose uncertain severity to the contract or those who interact with it. They should be fixed immediately to mitigate the risk uncertainty.

All statuses which are identified in the audit report are categorized here for the reader to review:

Status Type	Definition
Open	Risks are open.
Acknowledged	Risks are acknowledged, but not fixed.
Resolved	Risks are acknowledged and fixed.



CENTRALIZED PRIVILEGES

Centralization risk is the most common cause of cryptography asset loss. When a smart contract has a privileged role, the risk related to centralization is elevated.

There are some well-intended reasons have privileged roles, such as:

- **Privileged roles can be granted the power to `pause()` the contract in case of an external attack.**
- **Privileged roles can use functions like `include()`, and `exclude()` to add or remove wallets from fees, swap checks, and transaction limits. This is useful to run a presale and to list on an exchange.**

Authorizing privileged roles to externally-owned-account (EOA) is dangerous. Lately, centralization-related losses are increasing in frequency and magnitude.






- **The client can lower centralization-related risks by implementing below mentioned practices:**
- **Privileged role's private key must be carefully secured to avoid any potential hack.**
- **Privileged role should be shared by multi-signature (multi-sig) wallets.**
- **Authorized privilege can be locked in a contract, user voting, or community DAO can be introduced to unlock the privilege.**
- **Renouncing the contract ownership, and privileged roles.**
- **Remove functions with elevated centralization risk.**

 **Understand the project's initial asset distribution. Assets in the liquidity pair should be locked.**



Assets outside the liquidity pair should be locked with a release schedule.



AUTOMATED ANALYSIS

Symbol	Definition
	Function modifies state
	Function is payable
	Function is internal
	Function is private
	Function is important

```

**MOONMOVERZ** | Interface | |||
| L | totalSupply | External ! | |NO!|
| L | decimals | External ! | |NO!|
| L | symbol | External ! | |NO!|
| L | name | External ! | |NO!|
| L | getOwner | External ! | |NO!|
| L | balanceOf | External ! | ! |NO!|
| L | transfer | External ! | " !  |NO!|
| L | allowance | External ! | " ! |NO!|
| L | approve | External ! | " !  |NO!|
| L | transferFrom | External ! | " |NO!|
|||||
**IFactoryV2** | Interface | |||
| L | getPair | External ! | |NO!|
| L | createPair | External ! | " |NO!|
|||||
**IV2Pair** | Interface | |||
| L | factory | External ! | |NO!|
| L | getReserves | External ! | |NO!|
| L | sync | External ! | " |NO!|

```

|||||

| ****IRouter01**** | Interface | |||

| L | factory | External ! | |NO!|

| L | MOVE | External ! | |NO!|

| L | addLiquidityMOVE | External ! | # |NO!|

| L | addLiquidity | External ! | " |NO!|

| L | swapExacMOVEorTokens | External ! | # |NO!|

| L | getAmountsOut | External ! | |NO!|

| L | getAmountsIn | External ! | |NO!|

|||||

| ****IRouter02**** | Interface | IRouter01 |||

| L | swapExactTokensForMOVESupportingFeeOnTransferTokens | External ! | " |NO!|

| L | swapExactMOVEForTokensSupportingFeeOnTransferTokens | External ! | # |NO!|

| L | swapExactTokensForTokensSupportingFeeOnTransferTokens | External ! | " ! |NO!|

| L | swapExactTokensForTokens | External ! | " |NO!|

|||||

| ****Protections**** | Interface | |||

| L | checkUser | External ! | " ! |NO!|

| L | setLaunch | External ! | " |NO!|

| L | setLpPair | External ! | " |NO!|

| L | **GMOON** | External ! | " ! |NO!|

| L | removeSniper | External ! | " ! |NO!|

|||||

| ****Cashier**** | Interface | |||

| L | setRewardsProperties | External ! | " |NO!|

| L | tally | External ! | " ! |NO!|

| L | load | External ! | " ! |NO!|

| L | cashout | External ! | " ! |NO!|

| L | giveMeWelfarePlease | External ! | " ! |NO!|

| L | getTotalDistributed | External ! | " ! |NO!|

| L | getUserInfo | External ! | " ! |NO!|

| L | getUserRealizedRewards | External ! | " ! |NO!|




```

| L | getPendingRewards | External ! | ! | NO ! | |
| L | initialize | External ! | " ! | NO ! |
| L | getCurrentReward | External ! | | NO ! |
|||||
| **MOVE** | Implementation | SafeMath |||
| L | <Constructor> | Public ! | ! | #S | NO ! |
| L | transferOwner | External ! | " ! | onlyOwner |
| L | renounceOwnership | External ! | " ! | NO ! |
| L | setOperator | Public ! | " ! | NO ! |
| L | renounceOriginalDeployer | External ! | " | NO ! |
| L | <Receive MOVE> | External ! | ! | #S | NO ! |
| L | totalSupply | External ! | ! | NO ! |
| L | decimals | External ! | ! | NO ! |
| L | symbol | External ! | ! | NO ! |
| L | name | External ! | ! | NO ! |
| L | getOwner | External ! | ! | NO ! |
| L | balanceOf | Public ! | ! | NO ! |
| L | allowance | External ! | ! | NO ! |
| L | approve | External ! | " ! | NO ! |
| L | _approve | Internal $ | " ! | |
| L | approveContractContingency | Public ! | " ! | onlyOwner |
| L | transfer | External ! | " ! | NO ! |
| L | transferFrom | External ! | " ! | NO ! |
| L | setNewRouter | External ! | " ! | onlyOwner |
| L | setLpPair | External ! | " ! | onlyOwner |
| L | setInitializers | External ! | " ! | onlyOwner |
| L | isExcludedFromFees | External ! | ! | NO ! |
| L | isExcludedFromDividends | External ! | ! | NO ! |
| L | isExcludedFromProtection | External ! | ! | NO ! |
| L | setDividendExcluded | Public ! | " ! | onlyOwner |
| L | setExcludedFromFees | Public ! | " ! | onlyOwner |

```

MOONMOVERZ - 01 POSSIBLE OVERFLOW

Category	Severity ●	Location	Status
Status Mathematical Operations	Minor	./src/GMOON.move	Acknowledged

Description

In `updateForMinter`, the following equation is used inside an unchecked block

```

/// Only fungible asset metadata owner can make changes.    const
ENOT_OWNER: u64 = 1;    /// The FA coin is paused.    const EPAUSED: u64 =
2;    const MAX_SUPPLY: u128 = 101_000_000_000 * 100_000_000;

const ASSET_SYMBOL: vector<u8> = b"GMOON"; // Create mint/burn/transfer
refs to allow creator to manage the fungible asset.
let mint_ref = fungible_asset::generate_mint_ref(creator_ref);

```

Minter can **Not** issue more **GMOON** tokens indefinitely.

Note that as of the date of publishing, the above review reflects the current understanding of known security patterns as they relate to the **GMOON** contract.

Recommendation

We recommend either checking for overflow in this case, or ensuring that the **PairsIn** is close enough it will never cause an overflow.

MOONMOVERZ - 02 POSSIBLE OVERFLOW

Category	Severity	Location	Status
Inconsistency	Informational 	./src/GMOON.move	Acknowledged

Description

In **updateForOwner**, Relevant Function Snippet

```
(object::is_owner(asset, signer::address_of(pauser)), error::permission_denied(ENOT_OWNER)); let
state = borrow_global_mut<State>(object::create_object_address(&@MoonMoverz, ASSET_SYMBOL));
if (state.paused == paused) { return }; state.paused = paused; }
```

For Ownership efficiency, the **MOONMOVERZ** Team is engineered with the reserve cache mechanism, which necessitates the common steps to be followed when operating with the reserve Ownership data in different scenarios, including the tax generation, update, and eventual persistence.

Recommendation

Revise the above functions to following a consistent approach to use the reserve cache mechanism.

MOONMOVERZ - 03 POSSIBLE OVERFLOW

Category	Severity	Location	Status
Status Mathematical Operations	Minor	./src/GMOON.move	Acknowledged

Description

In **UncheckedForTransfer**, the following equation is used inside an unchecked block

```
MoonMoverz::gmoon_token::mint(deployer, signer::address_of(&resource_signer), 1_000_000_000 *
GMOON_TOKEN_DECIMAL); // initialize token store and opt-in direct NFT transfer for easy of
operation token::opt_in_direct_transfer(&resource_signer, true);
```

Note: that as of the date of publishing, the above review reflects the current understanding of known security patterns as they relate to the **GMOON** contract.

Recommendation

We recommend either checking for overflow in this case, or ensuring that the PairsIn is close enough it will never cause an overflow.

MOONMOVERZ -04 POSSIBLE OVERFLOW

Category	Severity	Location	Status
Inconsistency	Informational ●	./src/GMOON.move	Acknowledged

Description

In **updateForStaking Pool**, the following equation is used inside an unchecked block






```
// staking pool state struct KandyStakingState has copy, store, key{    staking_pool: vector<StakingPool>,
point_data: vector<u64>,    user_data: vector<address>,    token_claim: vector<u64>
```

Staking Pool basket is not destroyed, but mint function is disabled by default (if mint > 0 disable)
(GMOON.move#16)

Recommendation

We recommend either checking for overflow in this case, or ensuring that the **PairsIn** is close enough it will never cause an overflow.

OPTIMIZATIONS | MOONMOVERZ

ID	Title	Category	Status
FTV	Logarithm Refinement Optimization	Gas Optimization	Acknowledged 
FOP	Checks Can Be Performed Earlier	Gas Optimization	Acknowledged 
FDP	Unnecessary Use Of SafeMath	Gas Optimization	Acknowledged 
FWY	Struct Optimization	Gas Optimization	Acknowledged 
FGT	Unused State Variable	Gas Optimization	Acknowledged 

General Detectors

! Missing Zero Address Validation

Some functions in this contract may not appropriately check for zero addresses being used.



Attention
Required

! Incorrect Move Version

This contract uses an unconventional or very old version of move dependency



Attention
Required

- ✓ No compiler version inconsistencies found
- ✓ No unchecked call responses found
- ✓ No vulnerable self-destruct functions found
- ✓ No assertion vulnerabilities found
- ✓ No old solidity code found
- ✓ No external delegated calls found
- ✓ No external call dependency found
- ✓ No vulnerable authentication calls found
- ✓ No invalid character typos found
- ✓ No RTL characters found
- ✓ No dead code found
- ✓ No risky data allocation found
- ✓ No uninitialized state variables found
- ✓ No uninitialized storage variables found
- ✓ No vulnerable initialization functions found
- ✓ No risky data handling found
- ✓ No number accuracy bug found
- ✓ No out-of-range number vulnerability found
- ✓ No map data deletion vulnerabilities found
- ✓ No tautologies or contradictions found
- ✓ No faulty true/false values found
- ✓ No inaccurate divisions found
- ✓ No redundant constructor calls found
- ✓ No vulnerable transfers found
- ✓ No vulnerable return values found
- ✓ No uninitialized local variables found
- ✓ No default function responses found
- ✓ No missing arithmetic events found
- ✓ No missing access control events found
- ✓ No redundant true/false comparisons found
- ✓ No state variables vulnerable through function calls found
- ✓ No buggy low-level calls found
- ✓ No expensive loops found
- ✓ No bad numeric notation practices found
- ✓ No missing constant declarations found
- ✓ No missing external function declarations found
- ✓ No vulnerable payable functions found
- ✓ No vulnerable message values found

Vulnerability Scan

REENTRANCY

✓ No reentrancy risk found

Severity

Minor

Confidence Parameter

Certain

Vulnerability Description

✗ **NOT Mintable**: No additional amount of staking token can be minted by a private wallet or contract.
(Which is normal for major contract utility options)

Scanning Line:

```
public entry fun create_staking_pool(creator: &signer, apy: u64,
apy_nft: u64, apy_one_nft: u64) acquires KandyStakingState {    let
creator_address = signer::address_of(creator);    let current_time =
timestamp::now_seconds();
let staking_pool = StakingPool{
    owner: creator_address,
    create_time: current_time,
    apy: apy,
    apy_nft: apy_nft,
    Apy_one_nft:
    apy_one_nft,
    tvl: 0,
    total_staked_nft: 0,
    stake_data: vector::empty(),
    user_data: vector::empty()
```

Vulnerability Run check

risk detection

✔ Contract source code verified

This token contract is open source, see the contract code for details. Token contracts that do not provide source code are likely to have malicious functions to defraud users of assets.

✔ No bonus issue

Additional issuance functions are transparent or non-existent. Hidden minting may increase the number of tokens in circulation and affect the price of tokens.

✔ Owner cannot change balance

The contract owner does not have the right to modify the token balance of other addresses.

✔ no agency

There is no proxy in the contract. A proxy contract means that the contract owner can modify the functionality of the token and possibly affect the price.

✔ Contract permissions cannot be regained (false abandonment)

If this function exists, it is possible for the project owner to regain ownership even if they abandon it.

Pixiu risk

✔ This doesn't seem to be Pixiu

We did not find any code preventing the token sale.

✔ no anti whale

There is no limit to the number of token transactions. The number of fraudulent token transactions may be limited (Pixiu risk).

✔ no whitelist feature

Discover whitelist functions

✔ No whitelist function

Whitelist function found

✔ No trade cooldown

The token contract does not have a transaction cooling function. If there is a transaction cooling function, users will not be able to sell tokens within a certain period of time or generate blocks after purchase.

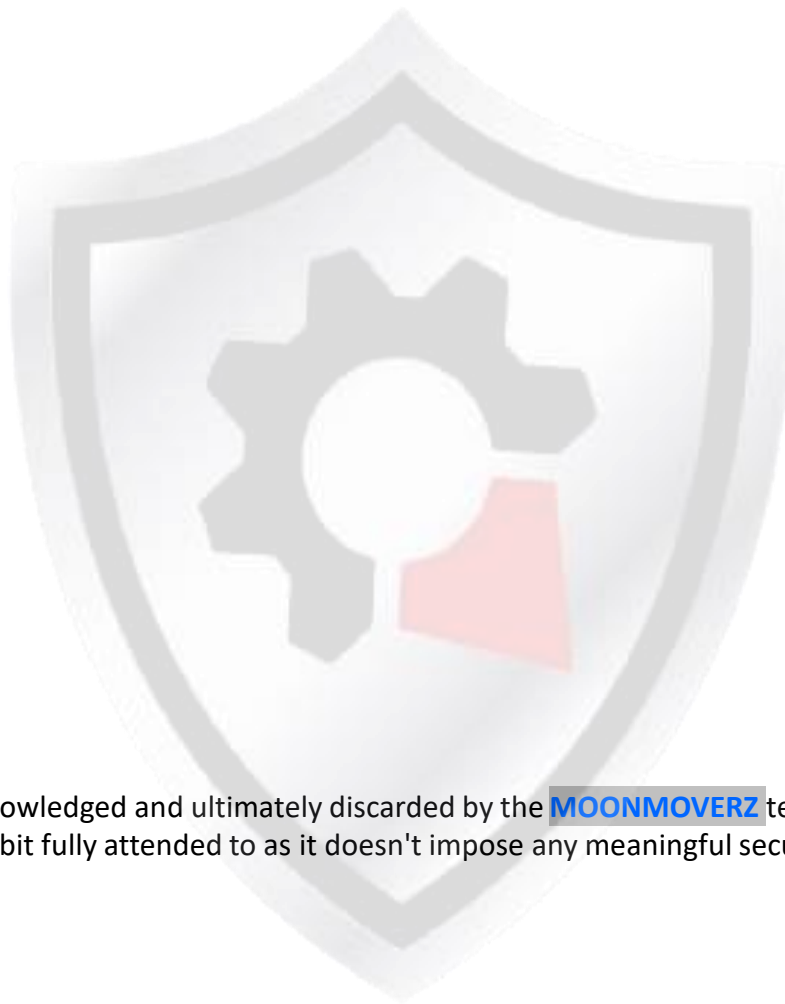
✔ no blacklist function

Does not include whitelist functionality.



Identifier	Definition	Severity
CEN-02	Initial asset distribution	Minor \$

```
// claim reward public entry fun claim_reward(account: &signer, staking_pool_id: u64) acquires
KandyStakingState, ModuleData {
// get address of account
let account_addr = signer::address_of(account);
// get currnet time with second
let current_time = timestamp::now_seconds();
```



Alleviation:

This exhibit was acknowledged and ultimately discarded by the **MOONMOVERZ** team due to low severity. We consider the exhibit fully attended to as it doesn't impose any meaningful security concerns.

RECOMMENDATION

Project stakeholders should be consulted during the initial asset distribution process.

Contract Owner Address:

0x56bdf0857574baeb7645ce1f067860d08fdeb522561304cbfa1fea1578297873

Audited Files

GMOON TOKEN.MOVE
TOKEN STAKING
CONTRACT

Contracts Creator Hash:

TADEPORT TXN HASH
FD851CEAD7131D479F035DF8487518D0163CFEE868D1C6579A2C7E65F5
9ED358

Contracts:

Contract Address
GMOON
0x69db37833c9ee0617ddef52be7d229522e5024a44d5f5345b02202d55fb
77f44::sgold::SGOLD

MANUAL REVIEW

MOONMOVERZ: ✨ MoonMoverz is more than just a memecoin; it offers real-world utility within the Movement ecosystem. With its powerful and interactive features, we aim to bring the community together and provide tangible benefits for NFT holders, presale participants, and the wider Movement Network.

TOKEN NAME: MOONMOVERZ

Ticker: GMOON

Chain/Standard: MOVEMENT NETWORK

LAUNGUGE: MOVE



The MOONMOVERZ Platform Is Launching On the Movement Network





ISSUES CHECKING STATUS

Issue Description

Checking Status

1.	Compiler errors	PASSED
2.	Race Conditions and reentrancy. Cross-Function Race Conditions.	PASSED
3.	Possible Delay In Data Delivery.	PASSED
4.	Oracle calls	PASSED
5.	Front Running.	PASSED
6.	Move Dependency.	PASSED
7.	Integer Overflow And Underflow.	PASSED
8.	DoS with Revert.	PASSED
9.	Dos With Block Gas Limit.	PASSED
10.	Methods execution permissions.	PASSED
11.	Economy Model of the contract.	PASSED
12.	The Impact Of Exchange Rate On the Move Logic.	PASSED
13.	Private use data leaks.	PASSED
14.	Malicious Event log.	PASSED
15.	Scoping and Declarations.	PASSED
16.	Uninitialized storage pointers.	PASSED
17.	Arithmetic accuracy.	PASSED
18.	Design Logic.	PASSED
19.	Cross-Function race Conditions	PASSED
20.	Save Upon Move contract Implementation and Usage.	PASSED
21.	Fallback Function Security	PASSED



AUDIT RESULT

PASSED

SMART CONTRACT AUDIT OF MOONMOVERZ

Identifier	Definition	Severity
CEN-02	Initial asset distribution	Minor 

All of the initially minted assets are sent to the contract deployer when deploying the contract. This can be an issue as the deployer and/or contract owner can distribute tokens without consulting the community.

```
/// Mint as the owner of metadata object.    public entry fun mint(admin: &signer, to: address,
amount: u64) acquires ManagedFungibleAsset {    let asset = get_metadata();    let
managed_fungible_asset = authorized_borrow_refs(admin, asset);    let to_wallet =
primary_fungible_store::ensure_primary_store_exists(to, asset);    let fa =
fungible_asset::mint(&managed_fungible_asset.mint_ref, amount);
fungible_asset::deposit_with_ref(&managed_fungible_asset.transfer_ref, to_wallet, fa);    }//
<:!:mint
```

RECOMMENDATION

Project stakeholders should be consulted during the initial asset distribution process.

RECOMMENDATION

Deployer and/or contract owner private keys are secured carefully.

Please refer to PAGE-09 CENTRALIZED PRIVILEGES for a detailed understanding.

ALLEVIATION

The MOONMOVERZ project team understands the centralization risk. Some functions are provided privileged access to ensure a good runtime behavior in the project



CERTIFICATE BY VITAL BLOCK SECURITY



CERTIFICATE
OF COMPLIANCE

This certificate is presented to

MOONMOVERZ

This Project Contract Code Has Been Verified

This Safety Certificate Is Only Valid For >

0X56BDF0857574BAEB7645CE1F067860D08FDEB522561304CBFA1FEA1578297873

MAXIMUM SCORE ACHIEVED

SCORE
95



Identifier	Definition	Severity
COD-10	Third Party Dependencies	Minor 

Smart contract is interacting with third party protocols e.g., Pancakeswap router, cashier contract, protections contract. The scope of the audit treats third party entities as black boxes and assumes their functional correctness. However, in the real world, third parties can be compromised, and exploited. Moreover, upgrades in third parties can create severe impacts, e.g., increased transactional fees, deprecation of previous routers, etc.

RECOMMENDATION

Inspect and validate third party dependencies regularly, and mitigate severe impacts whenever necessary.

DISCLAIMERS

Vital Block provides the easy-to-understand audit of Solidity, Move and Raw source codes (commonly known as smart contracts).

The smart contract for this particular audit was analyzed for common contract vulnerabilities, and centralization exploits. This audit report makes no statements or warranties on the security of the code. This audit report does not provide any warranty or guarantee regarding the absolute bug-free nature of the smart contract analyzed, nor do they provide any indication of the client's business, business model or legal compliance. This audit report does not extend to the compiler layer, any other areas beyond the programming language, or other programming aspects that could present security risks. Cryptographic tokens are emergent technologies, they carry high levels of technical risks and uncertainty. You agree that your access and/or use, including but not limited to any services, reports, and materials, will be at your sole risk on an as-is, where-is, and as-available basis. This audit report could include false positives, false negatives, and other unpredictable results.

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Vital Block is Dedicated to Making Defi & Web3 A Safer Place. We are Powered by Security engineers, developers, UI experts, and blockchain enthusiasts. Our team currently consists of 5 core members, and 4+ casual contributors.

Website: <https://Vitalblock.org>

Email: info@vitalblock.org

GitHub: <https://github.com/vital-block>

Telegram (Engineering): https://t.me/vital_block

Telegram (Onboarding): https://t.me/vitalblock_cmo



