DEFENCERT
BLOCKCHAIN SECURITY

Gem Gard Finance

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Smart Contract Audit Report

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The audit report has made all reasonable attempts to provide clear and articulate recommendations to the Project team with respect to the rectification, amendment, and/or revision of any highlighted issues, vulnerabilities, or exploits within the contracts provided. It is the sole responsibility of the Project team to sufficiently test and performs checks, ensuring that the contracts are functioning as intended, specifically that the functions therein contained within said contracts have the desired intended effects, functionalities, and outcomes of the Project team.

1. Overview

This report has been prepared for Gem Gard Finance on the Polygon network. Defencert provides a user-centered examination of the smart contracts to look for vulnerabilities, logic errors, or other issues from both an internal and external perspective.

1.1 Summary

Project Name	Gem Gard Finance
URL	gemgard.finance
Platform	Polygon
Language	Solidity

Contracts Assessed

Name	Contract	Live Code Match
Token	0xCf2FEb4976523C55F5FE2C2B69E0a789E682BF49	Yes
MasterChef	0x9C702b20Ac08a5b17C3A1112A1F79164f92432a3	Yes

1.2 Findings Summary

Severity	Found	Resolved	Partially Resolved	Acknowledged
High	0	0	0	0
Medium	0	0	0	0
Low	0	0	0	0
Informational	0	0	0	0
Total	0	0	0	0

Severity	Description
High	Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, or impairment of the contract and its functions. Issues under this classification are recommended to be fixed with utmost urgency.
Medium	Bugs or issues with that may be subject to exploit, though their impact is somewhat limited. Issues under this classification are recommended to be fixed as soon as possible.
Low	Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.
Informational	Consistency, syntax or style best practices. Generally, pose a negligible level of risk, if any.

1.3 Token

NONE

1.4 MasterChef

NONE

2 Findings

2.1 Token

Gem Gard Token (GGT) is a ERC20 Token in Polygon Mainnet. Token is implemented as ERC20 smart contract. This token has no transaction fee. The contract allows for tokens to be minted when the mint function is called by the Owner, who at the time of deployment would be the deployer.

2.1.1 Token Overview

Address	0xCf2FEb4976523C55F5FE2C2B69E0a789E682BF49
Name	Gem Gard Token
Symbol	GGT
Token Supply	Unlimited
Decimal	18
Transfer Max Size	-
Transfer Min Size	-
Transfer Fees	-

2.1.2 Privileged Roles

The following functions can be called by the owner of the contract:

a) Mint

2.1.3 Issues & Recommendations

NONE

2.2 MasterChef

The Masterchef contract is an upgrade version fork of Goose Finance Masterchef contract. The ownership has been transferred to the masterchef which allow masterchef to mint new token. Ownership is generally transferred to the Masterchef via the transferOwnership function for emission rewards to be minted and distributed to users staking in the Masterchef. The mint function can be used to pre-mint tokens for various uses including injection of initial liquidity, token presale, airdrops, and others.

2.2.1 Privileged Roles

The following functions can be called by the owner of the contract:

b) Add new pool

c) Set existing pool

d) Set developer address

e) Set fee address

f) Update Emission Rate

g) Update Start Block

2.2.2 Issues & Recommendations

NONE