

Draft
Security Assessment for

# Hack-20220616-InverseFinance (10K-FLP)

July 23, 2023

The issue can cause large



## **Executive Summary**

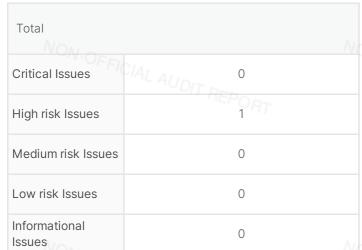
Overview	Overview OFFICIAL	
Project Name	Hack-20220616-InverseFinance (10K-FLP)	
Codebase URL	-	
Scan Engine	Al Analyzer	
Scan Time	2023/07/23 15:57:31	
Commit Id	<u>V(</u> 2747	

Critical Issues	economic losses, large-scale data disorder, loss of control of authority management, failure of key functions, or indirectly affect the correct operation of other smart contracts interacting with it.
High Risk Issues	The issue puts a large number of users' sensitive information at risk or is reasonably likely to lead to catastrophic impacts on clients' reputations or serious financial implications for clients and users.
Medium Risk Issues	The issue puts a subset of users' sensitive information at risk, would be detrimental to the client's reputation if exploited, or is reasonably likely to lead to moderate financial impact.
Low Risk Issues	The risk is relatively small and could not be exploited on a recurring basis, or is a risk that the client has indicated is low-impact in view of the client's business circumstances.
Informational Issue	The issue does not pose an immediate risk but is relevant to

in Depth.

?

security best practices or Defence







## **Summary of Findings**

MetaScan security assessment was performed on July 23, 2023 15:57:31 on project Hack-20220616-InverseFinance (10K-FLP) with the repository 20220616\_InverseFinance on branch default branch. The assessment was carried out by scanning the project's codebase using the scan engine Al Analyzer. There are in total 1 vulnerabilities / security risks discovered during the scanning session, among which 0 critical vulnerabilities, 1 high risk vulnerabilities, 0 medium risk vulnerabilities, 0 low risk vulnerabilities, 0 informational issues.

ID	Description	Severity
MSA-001	MWE-200: Insecure LP Token Value Calculation	High risk



## **Findings**



## **4** Critical (0)

No Critical vulnerabilities found here



## High risk (1)

1. MWE-200: Insecure LP Token Value Calculation





Security Analyzer

Liquidity token value/price can be manipulated to cause flashloan attacks.

#### File(s) Affected

YVCrv3CrvptoFeed.sol #116-124

```
function latestAnswer() public view returns (uint256) {
   uint256 crvPoolBtcVal = WBTC.balanceOf(address(CRV3CRYPTO)) * uint256(BTCFeed.latestAnswer()) *
   uint256 crvPoolWethVal = WETH.balanceOf(address(CRV3CRYPTO)) * uint256(ETHFeed.latestAnswer())
   uint256 crvPoolUsdtVal = USDT.balanceOf(address(CRV3CRYPTO)) * uint256(USDTFeed.latestAnswer())
   uint256 crvLPTokenPrice = (crvPoolBtcVal + crvPoolWethVal + crvPoolUsdtVal) * 1e18 / crv3Cryptc
   return (crvLPTokenPrice * vault.pricePerShare()) / 1e18;
```

### Recommendation

Do not use AMM pool or custom liquidity calculation to caculate LP token value/price. L AUDIT REPORT L AUDIT REPORT



## Medium risk (0)

No Medium risk vulnerabilities found here



## Low risk (0)

No Low risk vulnerabilities found here



## Informational (0)

No Informational vulnerabilities found here



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