



METATRUST

Pre Report for
Derpdex-multicall

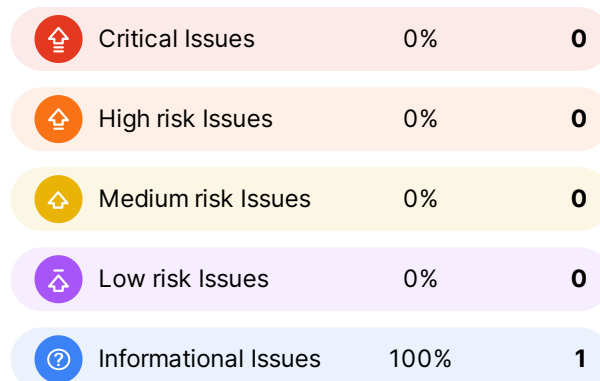
August 2, 2023

Executive Summary

| Overview | | | |
|--------------|---|--|--|
| Project Name | Derpdex-multicall | | |
| Codebase URL | https://github.com/derpdex-official/multicall | | |
| Scan Engine | Security Analyzer | | |
| Scan Time | 2023/08/2 10:56:29 | | |
| Commit Id | 79377ec457aa6158f96de76614ec7b5f56e6c2f8 | | |

| Total | |
|----------------------|---|
| Critical Issues | 0 |
| High risk Issues | 0 |
| Medium risk Issues | 0 |
| Low risk Issues | 0 |
| Informational Issues | 1 |

| | |
|---------------------|---|
| Critical Issues | The issue can cause large 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 security best practices or Defence in Depth. |



Summary of Findings

MetaScan security assessment was performed on **August 2, 2023 10:56:29** on project **Derpdex-multicall** with the repository **multicall** on branch **-**. The assessment was carried out by scanning the project's codebase using the scan engine **Security Analyzer**. There are in total **1** vulnerabilities / security risks discovered during the scanning session, among which **0** critical vulnerabilities, **0** high risk vulnerabilities, **0** medium risk vulnerabilities, **0** low risk vulnerabilities, **1** informational issues.

| ID | Description | Severity |
|---------|--------------------------------------|---------------|
| MSA-001 | Unnecessary Public Function Modifier | Informational |

Findings

Critical (0)

No Critical vulnerabilities found here

High risk (0)

No High risk vulnerabilities found here

Medium risk (0)


No Medium risk vulnerabilities found here


Low risk (0)

No Low risk vulnerabilities found here

Informational (1)

1. Unnecessary Public Function Modifier

 Informational

 Security Analyzer

There are some public functions that can be replaced with external functions.

File(s) Affected

contracts/UniswapInterfaceMulticall.sol #19-21

```
19     function getCurrentBlockTimestamp() public view returns (uint256 timestamp) {
20         timestamp = block.timestamp;
21     }
```

contracts/UniswapInterfaceMulticall.sol #23-25

```
23     function getEthBalance(address addr) public view returns (uint256 balance) {
24         balance = addr.balance;
25     }
```

contracts/UniswapInterfaceMulticall.sol #27-38

```
27     function multicall(Call[] memory calls) public returns (uint256 blockNumber, Result[] memory returnD
28         blockNumber = block.number;
29         returnData = new Result[](calls.length);
30         for (uint256 i = 0; i < calls.length; i++) {
31             (address target, uint256 gasLimit, bytes memory callData) =
32                 (calls[i].target, calls[i].gasLimit, calls[i].callData);
33             uint256 gasLeftBefore = gasleft();
34             (bool success, bytes memory ret) = target.call{gas: gasLimit}(callData);
35             uint256 gasUsed = gasLeftBefore - gasleft();
36             returnData[i] = Result(success, gasUsed, ret);
37         }
38     }
```

Recommendation

Consider updating the public function as the external function for them.

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