

Draft
Security Assessment for

6-2021-04-meebits (1Positive-UT)

July 23, 2023



Issues

Executive Summary

Overview OFF	No.
Project Name	6-2021-04-meebits (1Positive-UT)
Codebase URL	https://github.com/code-423n4/2021- 04-meebits
Scan Engine	Al Analyzer
Scan Time	2023/07/23 23:08:52
Commit Id	2ec4ce8

Total	
Critical Issues	PIAL AUDIT REPORT
High risk Issues	TEPORT
Medium risk Issues	0
Low risk Issues	0
Informational	0

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.



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Summary of Findings

MetaScan security assessment was performed on **July 23, 2023 23:08:52** on project **6-2021-04-meebits (1Positive-UT)** with the repository **https://github.com/code-423n4/2021-04-meebits** 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-203: Approval Not Revoked	High risk



Findings



Critical (0)

No Critical vulnerabilities found here ICIAL AUDIT REPORT



High risk (1)

1. MWE-203: Approval Not Revoked



👍 High risk



Security Analyzer

Approval is not revoked or reset after the code functionality finishes.

File(s) Affected

Beebots.sol #297-305

```
_clearApproval(_tokenId);
  _removeNFToken(from, _tokenId);
  _addNFToken(_to, _tokenId);
  emit Transfer(from, _to, _tokenId);
```

Beebots.sol #436-447

```
function _safeTransferFrom(address _from, address _to, uint256 _tokenId, bytes memory _data) pri
   address tokenOwner = idToOwner[_tokenId];
   require(tokenOwner == _from, "Incorrect owner.");
   require(_to != address(0));
   _transfer(_to, _tokenId);
   if (isContract(_to)) {
       bytes4 retval = ERC721TokenReceiver(_to).onERC721Received(msg.sender, _from, _tokenId, _dat
       require(retval == MAGIC_ERC721_RECEIVED);
                                       NON-OFFICIAL AUDIT REPORT
```

Recommendation

Try to remove the approval after the code finishes its job.



Medium risk (0)

No Medium risk vulnerabilities found here



Low risk (0)

HAL AUDIT REPORT No Low risk vulnerabilities found here



? Informational (0)

No Informational vulnerabilities found here

 $N_{\Omega \Lambda_{1}} = N_{\Omega \Lambda_{1}}$



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