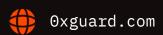


Smart contracts security assessment

Final report
Tariff: Standard

MouseHaunt





Contents

1.	Introduction	3
2.	Contracts checked	3
3.	Procedure	4
4.	Known vulnerabilities checked	4
5.	Classification of issue severity	5
6.	Issues	6
7.	Conclusion	9
8.	Disclaimer	10
9.	Static code analysis result	11

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□ Introduction

The report has been prepared for the Mousehaunt team. The code was checked after commit <u>49f9fe</u>.

Name	MouseHaunt	
Audit date	2021-11-08 - 2021-11-08	
Language	Solidity	
Platform	Binance Smart Chain	

Contracts checked

Name	Address	
MouseHauntToken	https://github.com/mousehaunt/contracts/	
	blob/49f9fe4b666f74167b1ee2416b0116956265d573/	
	<pre>contracts/MouseHauntToken.sol</pre>	
WhitelistSale	https://github.com/mousehaunt/contracts/	
	blob/49f9fe4b666f74167b1ee2416b0116956265d573/	
	<pre>contracts/WhitelistSale.sol</pre>	
TokenAllocation	https://github.com/mousehaunt/contracts/	
	blob/49f9fe4b666f74167b1ee2416b0116956265d573/	
	<pre>contracts/utils/TokenAllocation.sol</pre>	
BoosterSale	https://github.com/mousehaunt/contracts/	
	blob/49f9fe4b666f74167b1ee2416b0116956265d573/	
	<pre>contracts/booster/BoosterSale.sol</pre>	
BMHTE	https://github.com/mousehaunt/contracts/	
	blob/49f9fe4b666f74167b1ee2416b0116956265d573/	
	<pre>contracts/booster/BMHTE.sol</pre>	
BMHTL	https://github.com/mousehaunt/contracts/	
	blob/49f9fe4b666f74167b1ee2416b0116956265d573/	
	<pre>contracts/booster/BMHTL.sol</pre>	

©x Guard | November 2021 3

Procedure

We perform our audit according to the following procedure:

Automated analysis

- Scanning the project's smart contracts with several publicly available automated Solidity analysis tools
- Manual verification (reject or confirm) all the issues found by the tools

Manual audit

- Manually analyse smart contracts for security vulnerabilities
- Smart contracts' logic check

Known vulnerabilities checked

Title	Check result
Unencrypted Private Data On-Chain	passed
Code With No Effects	passed
Message call with hardcoded gas amount	passed
Typographical Error	passed
DoS With Block Gas Limit	passed
Presence of unused variables	passed
Incorrect Inheritance Order	passed
Requirement Violation	passed
Weak Sources of Randomness from Chain Attributes	passed
Shadowing State Variables	passed

5

Incorrect Constructor Name	passed
Block values as a proxy for time	passed
Authorization through tx.origin	passed
DoS with Failed Call	passed
Delegatecall to Untrusted Callee	passed
Use of Deprecated Solidity Functions	passed
Assert Violation	passed
State Variable Default Visibility	passed
Reentrancy	passed
Unprotected SELFDESTRUCT Instruction	passed
Unprotected Ether Withdrawal	passed
Unchecked Call Return Value	passed
Floating Pragma	not passed
Outdated Compiler Version	passed
Integer Overflow and Underflow	passed
Function Default Visibility	passed

Classification of issue severity

High severity High severity issues can cause a significant or full loss of funds, change

of contract ownership, major interference with contract logic. Such issues

require immediate attention.

Medium severity Medium severity issues do not pose an immediate risk, but can be

> detrimental to the client's reputation if exploited. Medium severity issues may lead to a contract failure and can be fixed by modifying the contract

state or redeployment. Such issues require attention.

Low severity Low severity issues do not cause significant destruction to the contract's

functionality. Such issues are recommended to be taken into

consideration.

Issues

High severity issues

No issues were found

Medium severity issues

1. Users may not be able to claim bought tokens if owner removes allowance (TokenAllocation)

The tokens that are bought on token sale are supposed to be held on the mhtOwner account. The mhtOwner gives allowance to the TokenAllocation contract to spend tokens and when a user claims his tokens, they are transferred from the mhtOwner to the user. The mhtOwner can set allowance to 0 and users won't be able to claim their tokens.

Low severity issues

1. Lack of events (WhitelistSale)

The functions addToWhitelist() and removeFromWhitelist() do not emit events.

Recommendation: Create events and emit them when an address is added or removed from whitelist.

2. Contructor parameters not checked (TokenAllocation)

Parameters passed in the constructor are not checked.

Recommendation: Check at least that owner, mth are not zero addresses and unlockAtlGOPercent is less than 100:

```
constructor(
  address _mhtOwner,
  IERC20 mht,
  uint256 _unlockAtIGOPercent,
  uint256 cliffMonths,
  uint256 _vestingPeriodMonths
) {
  require(mhtOwner != address(0), "zero mhtOwner");
  require(mht != address(0), "zero mht");
  require(unlockAtIGOPercent <= 100, "unlockAtIGOPercent must be less than 100");</pre>
 mhtOwner = _mhtOwner;
 mht = _mht;
  unlockAtIGOPercent = _unlockAtIGOPercent;
  cliffMonths = _cliffMonths;
  vestingPeriodMonths = _vestingPeriodMonths;
}
```

3. boosters array may be declared as mapping to save gas (BoosterSale)

A mapping booster's address to booster index may be used to get booster index by its address. This will save gas in the buy() function.

Ox Guard | November 2021 7

8

Recommendation: Use mapping boosters address => uint to get array index by booster token address.

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○ Conclusion

MouseHaunt MouseHauntToken, WhitelistSale, TokenAllocation, BoosterSale, BMHTE, BMHTL contracts were audited. 1 medium, 3 low severity issues were found.

Disclaimer

This report is subject to the terms and conditions (including without limitation, description of services, confidentiality, disclaimer and limitation of liability)set forth in the Services Agreement, or the scope of services, and terms and conditions provided to the Company in connection with the Agreement. This report provided in connection with the Services set forth in the Agreement shall be used by the Company only to the extent permitted under the terms and conditions set forth in the Agreement. This report may not be transmitted, disclosed, referred to or relied upon by any person for any purposes without 0xGuard prior written consent.

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This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

○ Static code analysis result



```
INFO:Detectors:
BoosterSale.buy(IERC20,uint256) (contracts/booster/BoosterSale.sol#79-101) performs a
multiplication on the result of a division:
        -_numberOfBoosters = _numberOfBoostersInWei / 1e18 (contracts/booster/
BoosterSale.sol#96)
        -busdAmountInWei = _numberOfBoosters * busdPriceInWei (contracts/booster/
BoosterSale.sol#97)
TokenAllocation._releaseAmount(TokenAllocation.UserInfo,uint256) (contracts/utils/
TokenAllocation.sol#92-132) performs a multiplication on the result of a division:
        -_amount = (userInfo.totalTokens - _unlockedAtIgo) / vestingPeriodMonths
(contracts/utils/TokenAllocation.sol#113-114)
        -_distributedTokens = _unlockedAtIgo + _amount * (_vestingIndex - 1) (contracts/
utils/TokenAllocation.sol#117-119)
TokenAllocation._releaseAmount(TokenAllocation.UserInfo,uint256) (contracts/utils/
TokenAllocation.sol#92-132) performs a multiplication on the result of a division:
        -_amount = (userInfo.totalTokens - _unlockedAtIgo) / vestingPeriodMonths
(contracts/utils/TokenAllocation.sol#113-114)
        -_remainingTokens < 2 * _amount (contracts/utils/TokenAllocation.sol#125)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#divide-before-
multiply
INFO:Detectors:
Reentrancy in WhitelistSale.buy(uint256) (contracts/WhitelistSale.sol#66-83):
        External calls:
        - busd.safeTransferFrom(msg.sender,mhtOwner,busdAmount) (contracts/
WhitelistSale.sol#81)
        State variables written after the call(s):
        - _updateUserTokenAllocation(msg.sender,_mhtAmount) (contracts/
WhitelistSale.sol#82)
                - userInfo.totalTokens += totalTokens (contracts/utils/
TokenAllocation.sol#61)
                - userInfo.remainingTokens += totalTokens (contracts/utils/
TokenAllocation.sol#62)
                - userInfo.lastClaimMonthIndex = - 1 (contracts/utils/
TokenAllocation.sol#63)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-
vulnerabilities-1
INFO:Detectors:
TokenAllocation.constructor(address, IERC20, uint256, uint256, uint256)._mhtOwner
(contracts/utils/TokenAllocation.sol#35) lacks a zero-check on :
                - mht0wner = _mht0wner (contracts/utils/TokenAllocation.sol#41)
```

```
BoosterSale.constructor(address, IERC20). boosterOwner (contracts/booster/
BoosterSale.sol#23) lacks a zero-check on :
                - boosterOwner = _boosterOwner (contracts/booster/BoosterSale.sol#26)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-
address-validation
INFO: Detectors:
Reentrancy in TokenAllocation.claim() (contracts/utils/TokenAllocation.sol#156-175):
        External calls:
        - mht.safeTransferFrom(mhtOwner,msg.sender,amount) (contracts/utils/
TokenAllocation.sol#171)
        Event emitted after the call(s):
        - Claimed(msg.sender,i,amount) (contracts/utils/TokenAllocation.sol#172)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-
vulnerabilities-3
INFO:Detectors:
TokenAllocation._getMonthIndexFromTimestamp(uint256) (contracts/utils/
TokenAllocation.sol#139-154) uses timestamp for comparisons
        Dangerous comparisons:
        - t <= timestamp (contracts/utils/TokenAllocation.sol#148)</pre>
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#block-
timestamp
INFO: Detectors:
Address.isContract(address) (node_modules/@openzeppelin/contracts/utils/
Address.sol#26-36) uses assembly
        - INLINE ASM (node modules/@openzeppelin/contracts/utils/Address.sol#32-34)
Address.verifyCallResult(bool,bytes,string) (node_modules/@openzeppelin/contracts/utils/
Address.sol#195-215) uses assembly
        - INLINE ASM (node_modules/@openzeppelin/contracts/utils/Address.sol#207-210)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage
INFO:Detectors:
Different versions of Solidity is used:
        - Version used: ['^0.8.0', '^0.8.2']
        - ^0.8.0 (node_modules/@openzeppelin/contracts/access/AccessControl.sol#3)
        - ^0.8.0 (node modules/@openzeppelin/contracts/access/IAccessControl.sol#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/access/Ownable.sol#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/security/Pausable.sol#3)
        - ^0.8.0 (node modules/@openzeppelin/contracts/token/ERC20/ERC20.sol#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/extensions/
ERC20Burnable.sol#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/extensions/
```

○x Guard | November 2021 13

IERC20Metadata.sol#3)

```
- ^0.8.0 (node modules/@openzeppelin/contracts/token/ERC20/utils/
SafeERC20.so1#3)
        - ^0.8.0 (node modules/@openzeppelin/contracts/utils/Address.sol#3)
        - ^0.8.0 (node modules/@openzeppelin/contracts/utils/Context.sol#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/utils/Strings.sol#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/utils/introspection/
ERC165.so1#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/utils/introspection/
IERC165.so1#3)
        - ^0.8.0 (node_modules/@openzeppelin/contracts/utils/math/SafeMath.sol#3)
        - ^0.8.2 (contracts/MouseHauntToken.sol#2)
        - ^0.8.2 (contracts/WhitelistSale.sol#2)
        - ^0.8.2 (contracts/booster/BMHTE.so1#2)
        - ^0.8.2 (contracts/booster/BMHTL.so1#2)
        - ^0.8.2 (contracts/booster/BoosterSale.sol#2)
        - ^0.8.2 (contracts/utils/TokenAllocation.sol#2)
        - ^0.8.2 (contracts/utils/Whitelist.sol#2)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#different-
pragma-directives-are-used
INFO: Detectors:
BMHTE._beforeTokenTransfer(address,address,uint256) (contracts/booster/BMHTE.so1#27-33)
is never used and should be removed
BMHTL._beforeTokenTransfer(address,address,uint256) (contracts/booster/BMHTL.so1#27-33)
is never used and should be removed
```

MouseHauntToken._beforeTokenTransfer(address,address,uint256) (contracts/

MouseHauntToken.sol#27-33) is never used and should be removed

Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code INFO:Detectors:

Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/access/AccessControl.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/access/IAccessControl.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/access/Ownable.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/security/Pausable.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/ERC20.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/IERC20.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/extensions/

ERC20Burnable.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/token/ERC20/extensions/IERC20Metadata.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version $^0.8.0$ (node_modules/@openzeppelin/contracts/token/ERC20/utils/ SafeERC20.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/Address.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/Context.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/Strings.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/introspection/ ERC165.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/introspection/ IERC165.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.0 (node_modules/@openzeppelin/contracts/utils/math/SafeMath.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6 Pragma version^0.8.2 (contracts/MouseHauntToken.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version $^0.8.2$ (contracts/WhitelistSale.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.2 (contracts/booster/BMHTE.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.2 (contracts/booster/BMHTL.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.2 (contracts/booster/BoosterSale.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.2 (contracts/utils/TokenAllocation.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

Pragma version^0.8.2 (contracts/utils/Whitelist.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6

solc-0.8.4 is not recommended for deployment

Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

INFO: Detectors:

Low level call in Address.sendValue(address,uint256) (node_modules/@openzeppelin/

```
contracts/utils/Address.sol#54-59):
        - (success) = recipient.call{value: amount}() (node_modules/@openzeppelin/
contracts/utils/Address.sol#57)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string)
(node_modules/@openzeppelin/contracts/utils/Address.sol#122-133):
        - (success,returndata) = target.call{value: value}(data) (node_modules/
@openzeppelin/contracts/utils/Address.sol#131)
Low level call in Address.functionStaticCall(address,bytes,string) (node_modules/
@openzeppelin/contracts/utils/Address.sol#151-160):
        - (success, returndata) = target.staticcall(data) (node_modules/@openzeppelin/
contracts/utils/Address.sol#158)
Low level call in Address.functionDelegateCall(address,bytes,string) (node_modules/
@openzeppelin/contracts/utils/Address.sol#178-187):
        - (success, returndata) = target.delegatecall(data) (node_modules/@openzeppelin/
contracts/utils/Address.sol#185)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-
calls
INFO:Detectors:
Parameter WhitelistSale.setIgoTimestamp(uint256)._igoTimestamp (contracts/
WhitelistSale.sol#57) is not in mixedCase
Parameter WhitelistSale.buy(uint256)._mhtAmount (contracts/WhitelistSale.sol#66) is not
in mixedCase
Parameter WhitelistSale.addToWhitelist(address[])._buyers (contracts/
WhitelistSale.sol#85) is not in mixedCase
Parameter WhitelistSale.removeFromWhitelist(address[])._buyers (contracts/
WhitelistSale.sol#93) is not in mixedCase
Parameter BoosterSale.configure(IERC20[],uint256[],uint256[])._boosters (contracts/
booster/BoosterSale.sol#39) is not in mixedCase
Parameter BoosterSale.configure(IERC20[],uint256[],uint256[])._busdPricePerBoosterInWei
(contracts/booster/BoosterSale.sol#40) is not in mixedCase
Parameter BoosterSale.configure(IERC20[],uint256[],uint256[])._capPerBoosterInWei
(contracts/booster/BoosterSale.sol#41) is not in mixedCase
Parameter BoosterSale.buy(IERC20,uint256)._numberOfBoostersInWei (contracts/booster/
BoosterSale.sol#79) is not in mixedCase
Parameter BoosterSale.addToWhitelist(address[])._buyers (contracts/booster/
BoosterSale.sol#103) is not in mixedCase
Parameter BoosterSale.removeFromWhitelist(address[])._buyers (contracts/booster/
BoosterSale.sol#113) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-
solidity-naming-conventions
```

Ox Guard | November 2021

INFO:Detectors:

```
MouseHauntToken.constructor(address) (contracts/MouseHauntToken.so1#13-17) uses
literals with too many digits:
        - _mint(owner,100000000 * 10 ** decimals()) (contracts/MouseHauntToken.sol#16)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-
digits
INFO:Detectors:
grantRole(bytes32,address) should be declared external:
        - AccessControl.grantRole(bytes32,address) (node_modules/@openzeppelin/
contracts/access/AccessControl.sol#129-131)
revokeRole(bytes32,address) should be declared external:
        - AccessControl.revokeRole(bytes32,address) (node_modules/@openzeppelin/
contracts/access/AccessControl.sol#142-144)
renounceRole(bytes32,address) should be declared external:
        - AccessControl.renounceRole(bytes32,address) (node_modules/@openzeppelin/
contracts/access/AccessControl.sol#160-164)
renounceOwnership() should be declared external:
        - Ownable.renounceOwnership() (node_modules/@openzeppelin/contracts/access/
Ownable.so1#53-55)
name() should be declared external:
        - ERC20.name() (node_modules/@openzeppelin/contracts/token/ERC20/
ERC20.so1#61-63)
symbol() should be declared external:
        - ERC20.symbol() (node_modules/@openzeppelin/contracts/token/ERC20/
ERC20.so1#69-71)
totalSupply() should be declared external:
        - ERC20.totalSupply() (node_modules/@openzeppelin/contracts/token/ERC20/
ERC20.so1#93-95)
balanceOf(address) should be declared external:
        - ERC20.balanceOf(address) (node_modules/@openzeppelin/contracts/token/ERC20/
ERC20.so1#100-102)
transfer(address, uint256) should be declared external:
        ERC20.transfer(address,uint256) (node_modules/@openzeppelin/contracts/token/
```

- ERC20.transfer(address,uint256) (node_modules/@openzeppelin/contracts/toke ERC20/ERC20.sol#112-115)

approve(address, uint256) should be declared external:

- ERC20.approve(address,uint256) (node_modules/@openzeppelin/contracts/token/ERC20/ERC20.sol#131-134)

transferFrom(address,address,uint256) should be declared external:

- ERC20.transferFrom(address,address,uint256) (node_modules/@openzeppelin/contracts/token/ERC20/ERC20.sol#149-163)

increaseAllowance(address, uint256) should be declared external:

- ERC20.increaseAllowance(address,uint256) (node_modules/@openzeppelin/

○x Guard | November 2021 17

```
contracts/token/ERC20/ERC20.so1#177-180)
decreaseAllowance(address, uint256) should be declared external:
        - ERC20.decreaseAllowance(address,uint256) (node_modules/@openzeppelin/
contracts/token/ERC20/ERC20.so1#196-204)
burn(uint256) should be declared external:
        - ERC20Burnable.burn(uint256) (node_modules/@openzeppelin/contracts/token/ERC20/
extensions/ERC20Burnable.sol#19-21)
burnFrom(address, uint256) should be declared external:
        - ERC20Burnable.burnFrom(address,uint256) (node_modules/@openzeppelin/contracts/
token/ERC20/extensions/ERC20Burnable.sol#34-41)
pause() should be declared external:
        - MouseHauntToken.pause() (contracts/MouseHauntToken.sol#19-21)
unpause() should be declared external:
        - MouseHauntToken.unpause() (contracts/MouseHauntToken.so1#23-25)
pause() should be declared external:
        - WhitelistSale.pause() (contracts/WhitelistSale.sol#49-51)
unpause() should be declared external:
        - WhitelistSale.unpause() (contracts/WhitelistSale.sol#53-55)
setIgoTimestamp(uint256) should be declared external:
        - WhitelistSale.setIgoTimestamp(uint256) (contracts/WhitelistSale.sol#57-64)
buy(uint256) should be declared external:
        - WhitelistSale.buy(uint256) (contracts/WhitelistSale.sol#66-83)
addToWhitelist(address[]) should be declared external:
        - WhitelistSale.addToWhitelist(address[]) (contracts/WhitelistSale.sol#85-91)
removeFromWhitelist(address[]) should be declared external:
        - WhitelistSale.removeFromWhitelist(address[]) (contracts/
WhitelistSale.sol#93-99)
pause() should be declared external:
        - BMHTE.pause() (contracts/booster/BMHTE.sol#19-21)
unpause() should be declared external:
        - BMHTE.unpause() (contracts/booster/BMHTE.so1#23-25)
pause() should be declared external:
        - BMHTL.pause() (contracts/booster/BMHTL.so1#19-21)
unpause() should be declared external:
        - BMHTL.unpause() (contracts/booster/BMHTL.so1#23-25)
pause() should be declared external:
        - BoosterSale.pause() (contracts/booster/BoosterSale.sol#30-32)
unpause() should be declared external:
        - BoosterSale.unpause() (contracts/booster/BoosterSale.sol#34-36)
configure(IERC20[],uint256[],uint256[]) should be declared external:
        BoosterSale.configure(IERC20[],uint256[],uint256[]) (contracts/booster/
BoosterSale.sol#38-59)
```

○x Guard | November 2021 18

buy(IERC20,uint256) should be declared external:

- BoosterSale.buy(IERC20,uint256) (contracts/booster/BoosterSale.sol#79-101) addToWhitelist(address[]) should be declared external:
 - BoosterSale.addToWhitelist(address[]) (contracts/booster/

BoosterSale.sol#103-111)

removeFromWhitelist(address[]) should be declared external:

- BoosterSale.removeFromWhitelist(address[]) (contracts/booster/BoosterSale.sol#113-121)

claim() should be declared external:

- TokenAllocation.claim() (contracts/utils/TokenAllocation.sol#156-175)

Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-function-that-could-be-declared-external





