

REPORT 604DF19D01C00600186D07AE

Created Sun Mar 14 2021 11:21:01 GMT+0000 (Coordinated Universal Time)
Number of analyses 1
User ikermacaya@gmail.com

REPORT SUMMARY

Analyses ID	Main source file	Detected vulnerabilities
a09dd0e6-f94e-463c-9652-fe0d0cb537a1	localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/ERC20.sol	13

Started	Sun Mar 14 2021 11:21:03 GMT+0000 (Coordinated Universal Time)
Finished	Sun Mar 14 2021 11:36:19 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Client Tool	Remythx
Main Source File	localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/ERC20.sol

DETECTED VULNERABILITIES

HIGH	MEDIUM	LOW
0	12	1

ISSUES

MEDIUM Function could be marked as external.

SWC-000 The function definition of "name" is marked "public". However, it is never directly called by another function in the same contract or in any of its descendants. Consider to mark it as "external" instead.

Source file

localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/IERC20.sol

Locations

```
31 |  
32 | /**  
33 | * @dev Sets 'amount' as the allowance of 'spender' over the caller's tokens.  
34 | *  
35 | * Emits an {Approval} event.  
36 | */  
37 | function approve(address spender, uint256 amount) external returns (bool);  
38 |  
39 | /**
```

MEDIUM Function could be marked as external.

SWC-000 The function definition of "symbol" is marked "public". However, it is never directly called by another function in the same contract or in any of its descendants. Consider to mark it as "external" instead.

Source file

localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/IERC20.sol

Locations

```
38 |  
39 | /**  
40 | * @dev Moves 'amount' tokens from 'sender' to 'recipient' using the  
41 | * allowance mechanism. 'amount' is then deducted from the caller's  
42 | * allowance.  
43 | *
```

MEDIUM Function could be marked as external.

SWC-000 The function definition of "decimals" is marked "public". However, it is never directly called by another function in the same contract or in any of its descendants. Consider to mark it as "external" instead.

Source file

localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/IERC20.sol

Locations

```
39 | /**
40 |  * @dev Moves `amount` tokens from `sender` to `recipient` using the
41 |  * allowance mechanism. `amount` is then deducted from the caller's
42 |  * allowance.
43 |  *
44 |  * Returns a boolean value indicating whether the operation succeeded.
45 |  *
46 |  * Emits a {Transfer} event.
```

MEDIUM Function could be marked as external.

SWC-000 The function definition of "totalSupply" is marked "public". However, it is never directly called by another function in the same contract or in any of its descendants. Consider to mark it as "external" instead.

Source file

localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/IERC20.sol

Locations

```
44 |  * Returns a boolean value indicating whether the operation succeeded.
45 |  *
46 |  * Emits a {Transfer} event.
47 |  */
48 | function transferFrom(address sender, address recipient, uint256 amount) external returns (bool);
49 |
50 | /**
```

MEDIUM Function could be marked as external.

SWC-000 The function definition of "balanceOf" is marked "public". However, it is never directly called by another function in the same contract or in any of its descendants. Consider to mark it as "external" instead.

Source file

localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/IERC20.sol

Locations

```
49 |
50 | /**
51 |  * @dev Emitted when `value` tokens are moved from one account (`from`) to
52 |  * another (`to`).
53 |  *
54 |  * Note that `value` may be zero.
55 |  */
56 | event Transfer(address indexed from, address indexed to, uint256 indexed value);
```

LOW

A floating pragma is set.

SWC-103

The current pragma Solidity directive is ""^0.5.0"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source file

localhost/TFE/INDEX/CONTRACTS/SC_ERC20_PAY/IERC20.sol

Locations

```
1 | pragma solidity ^0.5.0;
2 |
3 | interface IERC20 {
```