



# Audit Report

## **Spoils Of War**

February 2022

Type	BEP20
Network	BSC
Address	0xD5CC8a01341E287e4F7e791Df11856EDFB4cDeBd
Audited by	© coinscope

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## Contract Review

<b>Contract Name</b>	BootyOfWar
<b>Compiler Version</b>	v0.8.4+commit.c7e474f2
<b>Optimization</b>	200 runs
<b>Licence</b>	None
<b>Explorer</b>	<a href="https://bscscan.com/token/0xD5CC8a01341E287e4F7e791Df11856EDFB4cDeBd">https://bscscan.com/token/0xD5CC8a01341E287e4F7e791Df11856EDFB4cDeBd</a>
<b>Symbol</b>	SOW
<b>Decimals</b>	18
<b>Total Supply</b>	1,000,000,000
<b>Source</b>	contract.sol

## Audit Updates

<b>Initial Audit</b>	8th February 2022
<b>Corrected</b>	

# Contract Analysis

● Critical
 ● Medium
 ● Minor
 ● Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

# Contract Diagnostics

● Critical    ● Medium    ● Minor

Severity	Code	Description
●	L01	Public Function could be Declared External
●	L02	State Variables could be Declared Constant
●	L04	Conformance to Solidity Naming Conventions

## L01 - Public Function could be Declared External

<b>Criticality</b>	minor
<b>Location</b>	contract.sol#L60,86,104

### Description

Public functions that are never called by the contract should be declared external to save gas.

```
transferFrom  
approve  
transfer
```

### Recommendation

Use the external attribute for functions never called from the contract

## L02 - State Variables could be Declared Constant

**Criticality**

minor

**Location**

contract.sol#L23,20,21,22

### Description

Constant state variables should be declared constant to save gas.

```
totalSupply  
symbol  
name  
...
```

### Recommendation

Add the constant attribute to state variables that never change.

## L04 - Conformance to Solidity Naming Conventions

**Criticality**

minor

**Location**

contract.sol#L60,86,105,106,107 and 1 more

### Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

```
_value  
_to  
_from  
...
```

### Recommendation

Follow the Solidity naming convention.

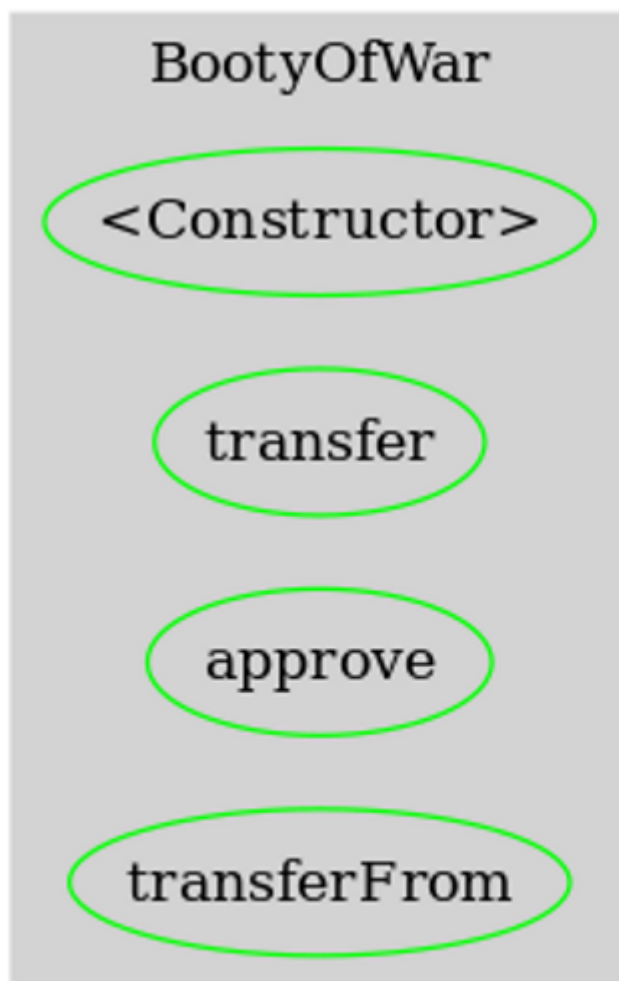
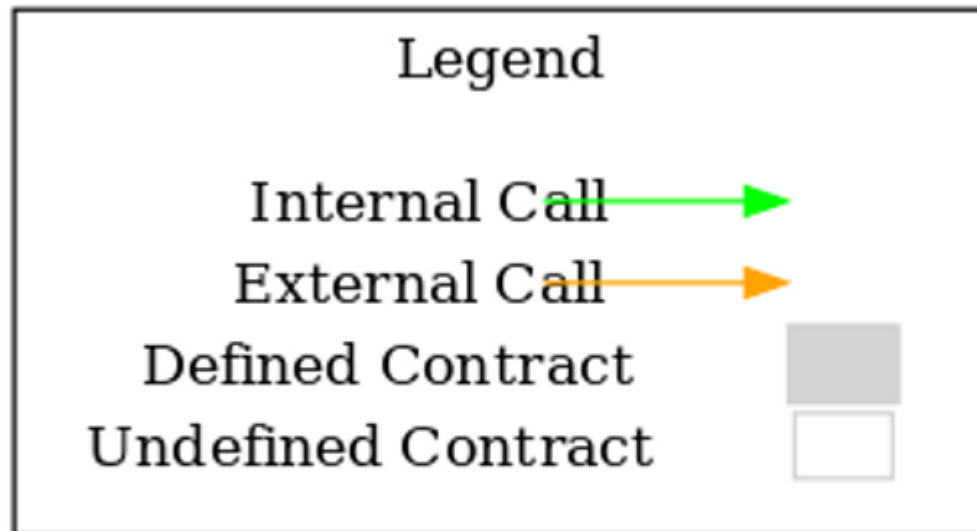
<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>



# Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>BootyOfWar</b>	Implementation			
	<Constructor>	Public	✓	-
	transfer	Public	✓	-
	approve	Public	✓	-
	transferFrom	Public	✓	-

## Contract Flow



## Summary

Spoils Of War is aiming to build an NFT game on Blockchain. The Project has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. In fact there are not any functions that can be abused by the owner to interrupt the user's transactions.

# Disclaimer

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The Coinscope team disclaims any liability for the resulting losses.

## About Coinscope

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>