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**Blockchain Security | Smart Contract Audits | KYC**

MADE IN GERMANY

# Dublr Audit

**Security Assessment**  
**20. August, 2022**

**For**



**SolidProof\_io**



**@solidproof\_io**

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Version	Date	Description
1.0	19. June 2022	<ul style="list-style-type: none"><li>• Layout project</li><li>• Automated- /Manual-Security Testing</li><li>• Summary</li></ul>
1.1	20. August 2022	<ul style="list-style-type: none"><li>• Reaudit</li></ul>

## **Network**

Binance Smart Chain (BEP20)

## **Website**

<https://github.com/dublr/dublr>

## **Twitter**

<https://twitter.com/DublrToken>



## Description

Dublr is a smart contract token that implements several token standards (ERC20, ERC777, ERC1363, ERC4524, EIP2612). It has its own built-in distributed exchange (so it is both a token and a DEX). Supply is generated on-demand by minting, with a mint price that grows exponentially.

## Project Engagement

During the 28th of June 2022, **Dublr Team** engaged Solidproof.io to audit smart contracts that they created. The engagement was technical in nature and focused on identifying security flaws in the design and implementation of the contracts. They provided Solidproof.io with access to their code repository and whitepaper.

## Logo



## Contract Link

### v1.0

- Github
  - <https://github.com/dublr/dublr>
  - Commit: b84ea8eddb8c1ab6a3f1abbc34467fa2ce4b21526

### v1.1

- Github
  - <https://github.com/dublr/dublr>
  - Commit: c72a4d0c21e8c05e52124f919f129946f91355fa

# Vulnerability & Risk Level

Risk represents the probability that a certain source-threat will exploit vulnerability, and the impact of that event on the organization or system. Risk Level is computed based on CVSS version 3.0.

Level	Value	Vulnerability	Risk (Required Action)
<b>Critical</b>	9 - 10	A vulnerability that can disrupt the contract functioning in a number of scenarios, or creates a risk that the contract may be broken.	Immediate action to reduce risk level.
<b>High</b>	7 – 8.9	A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.	Implementation of corrective actions as soon as possible.
<b>Medium</b>	4 – 6.9	A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.	Implementation of corrective actions in a certain period.
<b>Low</b>	2 – 3.9	A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.	Implementation of certain corrective actions or accepting the risk.
<b>Informational</b>	0 – 1.9	A vulnerability that have informational character but is not effecting any of the code.	An observation that does not determine a level of risk

# Auditing Strategy and Techniques Applied

Throughout the review process, care was taken to evaluate the repository for security-related issues, code quality, and adherence to specification and best practices. To do so, reviewed line-by-line by our team of expert pentesters and smart contract developers, documenting any issues as there were discovered.

## **Methodology**

The auditing process follows a routine series of steps:

1. Code review that includes the following:
  - i) Review of the specifications, sources, and instructions provided to SolidProof to make sure we understand the size, scope, and functionality of the smart contract.
  - ii) Manual review of code, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
  - iii) Comparison to specification, which is the process of checking whether the code does what the specifications, sources, and instructions provided to SolidProof describe.
2. Testing and automated analysis that includes the following:
  - i) Test coverage analysis, which is the process of determining whether the test cases are actually covering the code and how much code is exercised when we run those test cases.
  - ii) Symbolic execution, which is analysing a program to determine what inputs causes each part of a program to execute.
3. Best practices review, which is a review of the smart contracts to improve efficiency, effectiveness, clarify, maintainability, security, and control based on the established industry and academic practices, recommendations, and research.
4. Specific, itemized, actionable recommendations to help you take steps to secure your smart contracts.

## Used Code from other Frameworks/Smart Contracts (direct imports)

Imported packages:

```
./OmniTokenInternal.sol  
./interfaces/IERC20.sol  
./interfaces/IERC20Optional.sol  
./interfaces/IERC20Burn.sol  
./interfaces/IERC20SafeApproval.sol  
./interfaces/IERC20IncreaseDecreaseAllowance.sol  
./interfaces/IERC20TimeLimitedTokenAllowances.sol  
./interfaces/IERC777.sol  
./interfaces/IERC1363.sol  
./interfaces/IERC4524.sol  
./interfaces/IEIP2612.sol
```

```
./DublrInternal.sol  
./interfaces/IDublrDEX.sol
```



## Tested Contract Files

This audit covered the following files listed below with a SHA-1 Hash.

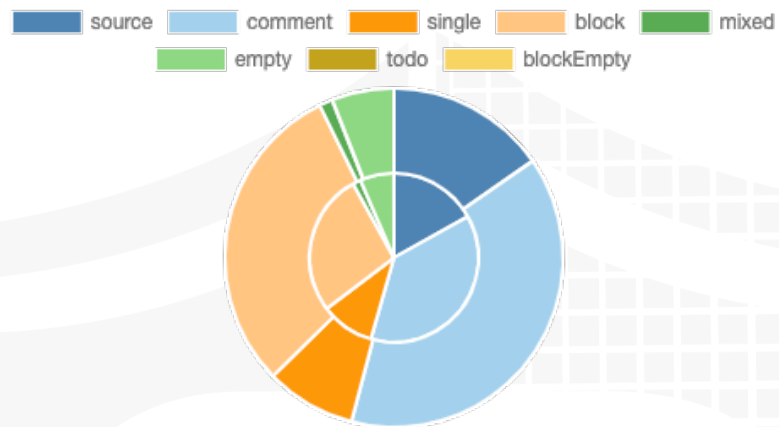
*A file with a different Hash has been modified, intentionally or otherwise, after the security review. A different Hash could be (but not necessarily) an indication of a changed condition or potential vulnerability that was not within the scope of this review.*

### v1.0

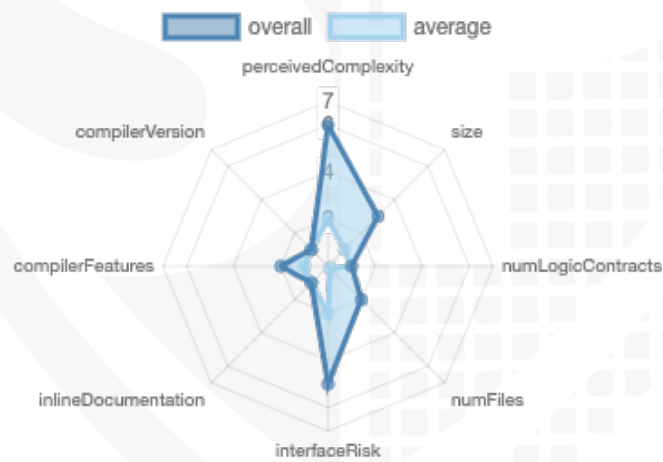
File Name	SHA-1 Hash
contracts/interfaces/IERC20SafeApproval.sol	2bf1ffd209e753ee18387e7138bac80cee4fd52a
contracts/interfaces/IERC165.sol	c1a81e4178a593af653547eb3c8413be7b05256b
contracts/interfaces/IERC777.sol	ed86b896b0a87db25aca22b4901f2a7086e754ac
contracts/interfaces/IERC4524.sol	31d61018d8c3347087eed8c03da161b5a1966aab
contracts/interfaces/IDublrDEX.sol	b206a69ec987bf300d3ea331615310a72477519d
contracts/interfaces/IERC20TimeLimitedTokenAllowances.sol	21efb6305790ca4cf1b668d34e9cd082b91b4753
contracts/interfaces/IERC1363.sol	0d8c7d46cb5cf0ba445cc6091e184579ce957d40
contracts/interfaces/IERC20Optional.sol	da5fe2de67be283abc0a9cb553dbf4aba8217dd9
contracts/interfaces/IEIP2612.sol	8cbd253b69deace35d873f58ed69f80a0612df12
contracts/interfaces/IERC20Burn.sol	b55027d4dc24a9bee10773fb1638155b2025e962
contracts/interfaces/IERC20IncreaseDecreaseAllowance.sol	0b0037c912e4e64341c879394c5819340c228e1b
contracts/interfaces/IERC20.sol	f86885444d5a76a2a1e59179c50de37812472506
contracts/DublrInternal.sol	0765f28b07a7ff230b9dfbf427a9bb1e07e8d670
contracts/OmniTokenInternal.sol	62fcbd1aaaa3f18ffbe4e6e49944369c438b8327
contracts/OmniToken.sol	9fb2819d8a2419ba726abd4105f89268ec184f97
contracts/Dublr.sol	a73da24ba2605e8dd09f80b6449273385e8c7700

# Metrics

## Source Lines v1.0



## Risk Level v1.0



## Capabilities

### Components

Version	Contracts	Libraries	Interfaces	Abstract
1.0	2	0	12	2

### Exposed Functions

*This section lists functions that are explicitly declared public or payable. Please note that getter methods for public stateVars are not included.*

Version	Public	Payable
1.0	102	4

Version	External	Internal	Private	Pure	View
1.0	92	120	7	7	35

### State Variables

Version	Total	Public
1.0	50	10

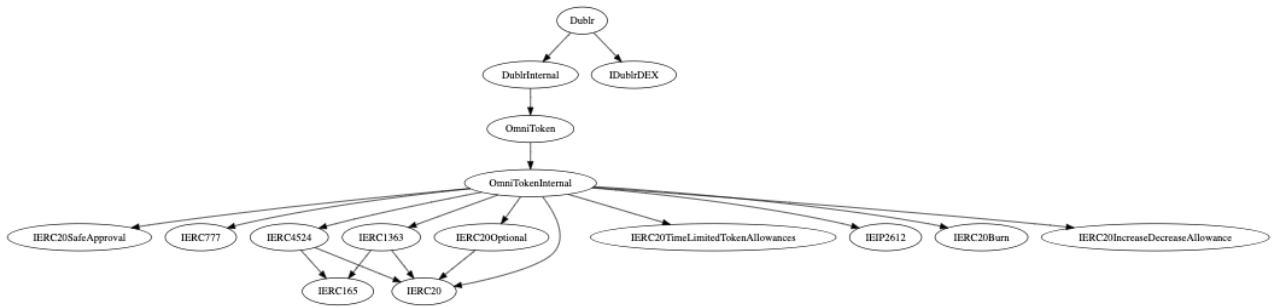
### Capabilities

Version	Solidity Versions observed	Experimental Features	Can Receive Funds	Uses Assembly	Has Destroyable Contracts
1.0	<code>^0.8.15</code>		yes	yes (6 asm blocks)	

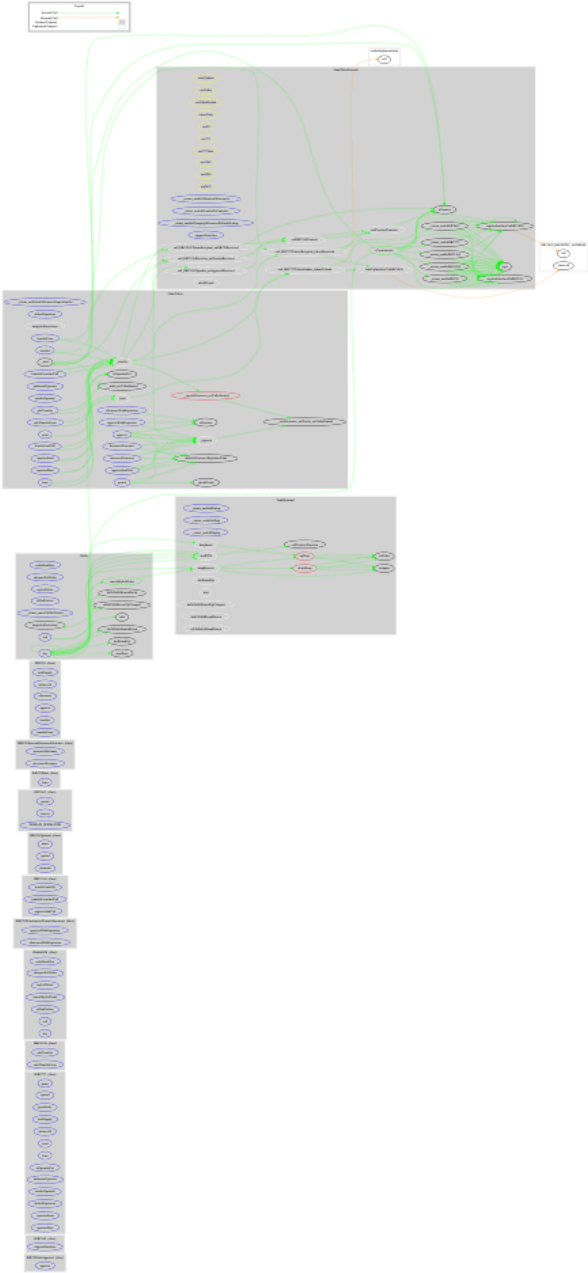
Version	Transfers ETH	Low-Level Calls	DelegateCall	Uses Hash Functions	EC Recover	New/Create/Create2
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1.0				yes	yes	
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## Inheritance Graph v1.0



CallGraph  
v1.0



## Scope of Work/Verify Claims

The above token Team provided us with the files that needs to be tested (Github, Bscscan, Etherscan, files, etc.). The scope of the audit is the main contract (usual the same name as team appended with .sol).

We will verify the following claims:

1. Overall checkup (Smart Contract Security)



# Write functions of contract v1.0

▼ DUBLR	operatorSend
	permit
._owner_cancelAllSellOrders	revokeOperator
._owner_enableBuying	safeTransfer
._owner_enableChangingAllowanceWithoutZeroing	safeTransfer
._owner_enableEIP2612	safeTransferFrom
._owner_enableERC1363	safeTransferFrom
._owner_enableERC20	sell
._owner_enableERC4524	send
._owner_enableERC777	transfer
._owner_enableMinting	transferAndCall
._owner_enableSelling	transferAndCall
._owner_enableTransferToContracts	transferFrom
._owner_enableUnlimitedAllowances	transferFromAndCall
._owner_setDefaultAllowanceExpirationSec	transferFromAndCall
approve	
approve	
approveAndCall	
approveAndCall	
approveWithExpiration	
authorizeOperator	
burn	
burn	
buy	
buy	
cancelMySellOrder	
decreaseAllowance	
increaseAllowance	
operatorBurn	

▼ OMNITOKEN
._owner_enableChangingAllowanceWithoutZeroing
._owner_enableEIP2612
._owner_enableERC1363
._owner_enableERC20
._owner_enableERC4524
._owner_enableERC777
._owner_enableTransferToContracts
._owner_enableUnlimitedAllowances
._owner_setDefaultAllowanceExpirationSec
approve
approve
approveAndCall
approveAndCall
approveWithExpiration
authorizeOperator
burn
burn
decreaseAllowance
increaseAllowance
operatorBurn
operatorSend
permit
revokeOperator
safeTransfer
safeTransfer
safeTransferFrom
safeTransferFrom
safeTransferFrom
send
transfer
transferAndCall
transferAndCall
transferFrom
transferFromAndCall
transferFromAndCall

## Overall checkup (Smart Contract Security)

Tested	Verified
✓	✓

### Legend

Attribute	Symbol
Verified / Checked	✓
Partly Verified	⚠
Unverified / Not checked	✗
Not available	—



# Modifiers and public functions

## v1.0

<div><div>⌵</div><div>⚡ <code>_owner_setDefaultAllowanceExpirationSec</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⌵</div><div>⌵</div><div>⚡ <code>approve</code></div><div>Ⓜ erc20</div><div>⌵</div><div>⚡ <code>transfer</code></div><div>Ⓜ erc20</div><div>⌵</div><div>⚡ <code>transferFrom</code></div><div>Ⓜ erc20</div><div>⌵</div><div>⚡ <code>increaseAllowance</code></div><div>Ⓜ erc20</div><div>⌵</div><div>⚡ <code>decreaseAllowance</code></div><div>Ⓜ erc20</div><div>⌵</div><div>⚡ <code>approveWithExpiration</code></div><div>Ⓜ erc20</div><div>⌵</div><div>⚡ <code>burn</code></div><div>Ⓜ erc777</div><div>⌵</div><div>⚡ <code>authorizeOperator</code></div><div>Ⓜ erc777</div><div>⌵</div><div>⚡ <code>revokeOperator</code></div><div>Ⓜ erc777</div><div>⌵</div><div>⚡ <code>send</code></div><div>Ⓜ erc777</div><div>⌵</div><div>⚡ <code>operatorSend</code></div><div>Ⓜ erc777</div><div>⌵</div><div>⚡ <code>operatorBurn</code></div><div>Ⓜ erc777</div><div>⌵</div><div>⚡ <code>transferAndCall</code></div><div>Ⓜ erc1363</div><div>⌵</div><div>⚡ <code>transferFromAndCall</code></div><div>Ⓜ erc1363</div><div>⌵</div><div>⚡ <code>approveAndCall</code></div><div>Ⓜ erc1363</div><div>⌵</div><div>⚡ <code>safeTransfer</code></div><div>Ⓜ erc4524</div><div>⌵</div><div>⚡ <code>safeTransferFrom</code></div><div>Ⓜ erc4524</div><div>⌵</div><div>⚡ <code>permit</code></div><div>Ⓜ eip2612</div></div>	<div><div>⌵</div><div>⚡ <code>_owner_enableERC20</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⚡ <code>_owner_enableERC777</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⚡ <code>_owner_enableERC1363</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⚡ <code>_owner_enableERC4524</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⚡ <code>_owner_enableEIP2612</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⚡ <code>_owner_enableUnlimitedAllowances</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⚡ <code>_owner_enableTransferToContracts</code></div><div>Ⓜ ownerOnly</div><div>⌵</div><div>⚡ <code>_owner_enableChangingAllowanceWithoutZeroing</code></div><div>Ⓜ ownerOnly</div></div>
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## Comments

- [Deployer can enable/disable following state variables](#)
  - mintingEnabled
  - sellingEnabled
  - buyingEnabled
- [Existing Modifiers](#)
  - stateUpdater
  - extCaller
  - extCallerDenied
  - ownerOnly

- `erc20`
  - `erc777`
  - `erc777View`
  - `erc1363`
  - `erc4524`
  - `eip2612`
- 
- Addresses are able to transfer/burn for another address as an operator
  - Owner can enable
    - `ERC20`
    - `ERC777`
    - `ERC1363`
    - `EIP2612`
    - Unlimited allowances
    - Transfer contracts
    - Changing allowance without zeroing enabled

**Please check if an `OnlyOwner` or similar restrictive modifier has been forgotten.**

# Source Units in Scope

## v1.0

Type	File	Logic Contracts	Interfaces	Lines	nLines	nSLOC	Comment Lines	Complex. Score	Capabilities
	contracts/interfaces/IERC20SafeApproval.sol	_____	1	75	73	5	64	3	_____
	contracts/interfaces/IERC165.sol	_____	1	20	18	3	13	3	
	contracts/interfaces/IERC777.sol	_____	1	225	79	9	183	27	_____
	contracts/interfaces/IERC4524.sol	_____	1	110	34	5	93	13	_____
	contracts/interfaces/IDublrDEX.sol	_____	1	278	111	16	230	23	
	contracts/interfaces/IERC20TimeLimitedTokenAllowances.sol	_____	1	73	53	5	59	5	_____
	contracts/interfaces/IERC1363.sol	_____	1	162	42	5	142	17	_____
	contracts/interfaces/IERC20Optional.sol	_____	1	24	14	4	12	9	_____
	contracts/interfaces/EIP2612.sol	_____	1	48	40	3	37	7	
	contracts/interfaces/IERC20Burn.sol	_____	1	23	21	3	16	3	_____
	contracts/interfaces/IERC20IncreaseDecreaseAllowance.sol	_____	1	68	38	4	57	5	_____
	contracts/interfaces/IERC20.sol	_____	1	136	38	5	115	13	_____
	contracts/DublrInternal.sol	1	_____	345	342	124	184	68	
	contracts/OmniTokenInternal.sol	1	_____	795	766	311	367	275	
	contracts/OmniToken.sol	1	_____	1349	1255	312	929	267	
	contracts/Dublr.sol	1	_____	728	724	225	439	152	
	<b>Totals</b>	<b>4</b>	<b>12</b>	<b>4459</b>	<b>3648</b>	<b>1039</b>	<b>2940</b>	<b>890</b>	

## Legend

Attribute	Description
Lines	total lines of the source unit
nLines	normalized lines of the source unit (e.g. normalizes functions spanning multiple lines)
nSLOC	normalized source lines of code (only source-code lines; no comments, no blank lines)
Comment Lines	lines containing single or block comments
Complexity Score	a custom complexity score derived from code statements that are known to introduce code complexity (branches, loops, calls, external interfaces, ...)

# Audit Results

## AUDIT PASSED

### Critical issues

**No critical issues**

### High issues

**No high issues**

### Medium issues

**No medium issues**

### Low issues

Issue	File	Type	Line	Description
#1	Main	Contract doesn't import npm packages from source (like OpenZeppelin etc.)	-	We recommend to import all packages from npm directly without flatten the contract. Functions could be modified or can be susceptible to vulnerabilities

### Informational issues

**No informational issues**

### Audit Comments

We recommend you to use the special form of comments (NatSpec Format, Follow link for more information <https://docs.soliditylang.org/en/v0.5.10/natspec-format.html>) for your contracts to provide rich documentation for functions, return variables and more. This helps investors to make clear what that variables, functions etc. do.

## 20 August 2022:

- Read whole report and modifiers section for more information



# Test Protocol

## OmnIToken

- ✓ ERC20: Constant functions
- ✓ ERC20: totalSupply
- ✓ ERC20: balanceOf
- ✓ ERC20: Transfer adds amount to destination account and subtracts from sender

## account

- ✓ ERC20: Can transfer full balance
- ✓ ERC20: Cannot transfer more than balance
- ✓ ERC20: Test disabling API
- ✓ ERC20: Cannot transfer from empty account
- ✓ ERC20: Transfer emits event
- ✓ ERC20: Set allowance and send to own wallet
- ✓ ERC20: Set allowance and send to other wallet
- ✓ ERC20: Cannot transferFrom without allowance
- ✓ ERC20: Unlimited allowance
- ✓ ERC20 extension: increaseAllowance / decreaseAllowance
- ✓ ERC20 extension: set allowance with expected current value
- ✓ ERC20 extension: allowanceWithExpiration
- ✓ ERC20 extension: burn
- ✓ ERC777: send function should revert for non-ERC777 contract recipient
- ✓ ERC777: send function should succeed for EOA recipient
- ✓ ERC777: send function should call ERC777 recipient, with non-ERC777 sender
- ✓ ERC777: send function should call ERC777 sender interface if present
- ✓ ERC777: test reentrancy protection
- ✓ ERC777: burn
- ✓ ERC777: authorizeOperator / revokeOperator
- ✓ ERC777: operatorSend
- ✓ ERC777: operatorBurn
- ✓ ERC1363: transferAndCall
- ✓ ERC1363: transferFromAndCall
- ✓ ERC1363: transferFromAndCall to EOA should fail
- ✓ ERC1363: approveFromAndCall
- ✓ ERC4524: safeTransfer
- ✓ ERC4524: safeTransferFrom
- ✓ ERC4524: safeTransferFrom to EOA should succeed
- ✓ EIP2612: permit

## Dublr

- ✓ Minting can be disabled, but by owner only
- ✓ Mint price
- ✓ Minting without any sell orders
- ✓ Only one sell order at once
- ✓ Sell orders are sorted
- ✓ Sell orders can be bought
- ✓ Larger sell orders
- ✓ Roll over from one sell order to the next when an order is exhausted
- ✓ Buying transitions from buying sell orders to minting at mint price
- ✓ Mint price over 1.0 ETH per DUBLR
- ✓ Unpayable seller
- ✓ Unpayable buyer

✓ Heap stress test



## SWC Attacks

ID	Title	Relationships	Status
<a href="#">SW C-1 36</a>	Unencrypted Private Data On-Chain	<a href="#">CWE-767: Access to Critical Private Variable via Public Method</a>	PASSED
<a href="#">SW C-1 35</a>	Code With No Effects	<a href="#">CWE-1164: Irrelevant Code</a>	PASSED
<a href="#">SW C-1 34</a>	Message call with hardcoded gas amount	<a href="#">CWE-655: Improper Initialization</a>	PASSED
<a href="#">SW C-1 33</a>	Hash Collisions With Multiple Variable Length Arguments	<a href="#">CWE-294: Authentication Bypass by Capture-replay</a>	PASSED
<a href="#">SW C-1 32</a>	Unexpected Ether balance	<a href="#">CWE-667: Improper Locking</a>	PASSED
<a href="#">SW C-1 31</a>	Presence of unused variables	<a href="#">CWE-1164: Irrelevant Code</a>	PASSED
<a href="#">SW C-1 30</a>	Right-To-Left-Override control character (U+202E)	<a href="#">CWE-451: User Interface (UI) Misrepresentation of Critical Information</a>	PASSED
<a href="#">SW C-1 29</a>	Typographical Error	<a href="#">CWE-480: Use of Incorrect Operator</a>	PASSED
<a href="#">SW C-1 28</a>	DoS With Block Gas Limit	<a href="#">CWE-400: Uncontrolled Resource Consumption</a>	PASSED



<a href="#">SW C-1 27</a>	Arbitrary Jump with Function Type Variable	<a href="#">CWE-695: Use of Low-Level Functionality</a>	<b>PASSED</b>
<a href="#">SW C-1 25</a>	Incorrect Inheritance Order	<a href="#">CWE-696: Incorrect Behavior Order</a>	<b>PASSED</b>
<a href="#">SW C-1 24</a>	Write to Arbitrary Storage Location	<a href="#">CWE-123: Write-what-where Condition</a>	<b>PASSED</b>
<a href="#">SW C-1 23</a>	Requirement Violation	<a href="#">CWE-573: Improper Following of Specification by Caller</a>	<b>PASSED</b>
<a href="#">SW C-1 22</a>	Lack of Proper Signature Verification	<a href="#">CWE-345: Insufficient Verification of Data Authenticity</a>	<b>PASSED</b>
<a href="#">SW C-1 21</a>	Missing Protection against Signature Replay Attacks	<a href="#">CWE-347: Improper Verification of Cryptographic Signature</a>	<b>PASSED</b>
<a href="#">SW C-1 20</a>	Weak Sources of Randomness from Chain Attributes	<a href="#">CWE-330: Use of Insufficiently Random Values</a>	<b>PASSED</b>
<a href="#">SW C-11 9</a>	Shadowing State Variables	<a href="#">CWE-710: Improper Adherence to Coding Standards</a>	<b>PASSED</b>
<a href="#">SW C-11 8</a>	Incorrect Constructor Name	<a href="#">CWE-665: Improper Initialization</a>	<b>PASSED</b>
<a href="#">SW C-11 7</a>	Signature Malleability	<a href="#">CWE-347: Improper Verification of Cryptographic Signature</a>	<b>PASSED</b>

<a href="#">SW C-11 6</a>	Timestamp Dependence	<a href="#">CWE-829: Inclusion of Functionality from Untrusted Control Sphere</a>	<b>PASSED</b>
<a href="#">SW C-11 5</a>	Authorization through tx.origin	<a href="#">CWE-477: Use of Obsolete Function</a>	<b>PASSED</b>
<a href="#">SW C-11 4</a>	Transaction Order Dependence	<a href="#">CWE-362: Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')</a>	<b>PASSED</b>
<a href="#">SW C-11 3</a>	DoS with Failed Call	<a href="#">CWE-703: Improper Check or Handling of Exceptional Conditions</a>	<b>PASSED</b>
<a href="#">SW C-11 2</a>	Delegatecall to Untrusted Callee	<a href="#">CWE-829: Inclusion of Functionality from Untrusted Control Sphere</a>	<b>PASSED</b>
<a href="#">SW C-11 1</a>	Use of Deprecated Solidity Functions	<a href="#">CWE-477: Use of Obsolete Function</a>	<b>PASSED</b>
<a href="#">SW C-11 0</a>	Assert Violation	<a href="#">CWE-670: Always-Incorrect Control Flow Implementation</a>	<b>PASSED</b>
<a href="#">SW C-1 09</a>	Uninitialized Storage Pointer	<a href="#">CWE-824: Access of Uninitialized Pointer</a>	<b>PASSED</b>
<a href="#">SW C-1 08</a>	State Variable Default Visibility	<a href="#">CWE-710: Improper Adherence to Coding Standards</a>	<b>PASSED</b>
<a href="#">SW C-1 07</a>	Reentrancy	<a href="#">CWE-841: Improper Enforcement of Behavioral Workflow</a>	<b>PASSED</b>
<a href="#">SW C-1 06</a>	Unprotected SELFDESTRUCT Instruction	<a href="#">CWE-284: Improper Access Control</a>	<b>PASSED</b>

<a href="#">SW</a> <a href="#">C-1</a> <a href="#">05</a>	Unprotected Ether Withdrawal	<a href="#">CWE-284: Improper Access Control</a>	<b>PASSED</b>
<a href="#">SW</a> <a href="#">C-1</a> <a href="#">04</a>	Unchecked Call Return Value	<a href="#">CWE-252: Unchecked Return Value</a>	<b>PASSED</b>
<a href="#">SW</a> <a href="#">C-1</a> <a href="#">03</a>	Floating Pragma	<a href="#">CWE-664: Improper Control of a Resource Through its Lifetime</a>	<b>PASSED</b>
<a href="#">SW</a> <a href="#">C-1</a> <a href="#">02</a>	Outdated Compiler Version	<a href="#">CWE-937: Using Components with Known Vulnerabilities</a>	<b>PASSED</b>
<a href="#">SW</a> <a href="#">C-1</a> <a href="#">01</a>	Integer Overflow and Underflow	<a href="#">CWE-682: Incorrect Calculation</a>	<b>PASSED</b>
<a href="#">SW</a> <a href="#">C-1</a> <a href="#">00</a>	Function Default Visibility	<a href="#">CWE-710: Improper Adherence to Coding Standards</a>	<b>PASSED</b>



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