

A low-angle, upward-looking photograph of several tall skyscrapers, creating a sense of height and urban density. The image is overlaid with a semi-transparent blue filter.

# SMART CONTRACT SECURITY AUDIT

**Final report**

**Plan: Simple**

The Simpsons

March 2024

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# INTRODUCTION

The report has been prepared for The Simpsons.

The Simpsons token is a SPL token initialized with the  
TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA token program.

Name	The Simpsons
Audit date	2024-03-18 - 2024-03-18
Language	Rust
Platform	Solana

# ANALYZED CONTRACTS

Name	Address
The Simpsons	6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89

# AUDIT PROCESS

Our audit structure consists of two stages:

## Auto-analysis

- Our automated tools allow us to scan smart contract code and find potential issues
- We hand pick and verify all the issues found by the tools

## Expert audit

- Manual analysis of potential issues and vulnerabilities
- Contract code is reviewed thoroughly

## KNOWN ISSUES CHECKED

Title	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
Incorrect Constructor Name	✓ passed
Block values as a proxy for time	✓ passed
Authorization through tx.origin	✓ passed

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DoS with Failed Call	✓ passed
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Delegatecall to Untrusted Callee	✓ passed
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Use of Deprecated Solidity Functions	✓ passed
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Assert Violation	✓ passed
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State Variable Default Visibility	✓ passed
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Reentrancy	✓ passed
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Unprotected SELFDESTRUCT Instruction	✓ passed
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Unprotected Ether Withdrawal	✓ passed
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Unchecked Call Return Value	✓ passed
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Floating Pragma	✓ passed
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Outdated Compiler Version	✓ passed
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Integer Overflow and Underflow	✓ passed
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Function Default Visibility	✓ passed
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## ISSUE CLASSIFICATION

High risk	Issues leading to assets theft, locking or any other loss of assets or leading to contract malfunctioning.
Medium risk	Issues that can trigger a contract failure of malfunctioning.
Low risk	Issues that do not affect contract functionality. For example, unoptimised gas usage, outdated or unused code, code style violations, etc.

## ISSUES

### High risk issues

No issues were found

### Medium risk issues

No issues were found

### Low risk issues

No issues were found

## CONCLUSION

The Simpsons The Simpsons contract was audited. No risk issues were found.

The token's Mint and Freeze authorities have been renounced, which means that the token has a fixed supply.

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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.





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