

OXSCANS

SatoshiVM

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OVERVIEW

This audit has been perpared for 'SatoshiVM' to review the main aspects of the project to help investors make an informative decision during their research process

You will find a summarized review of the following key points:

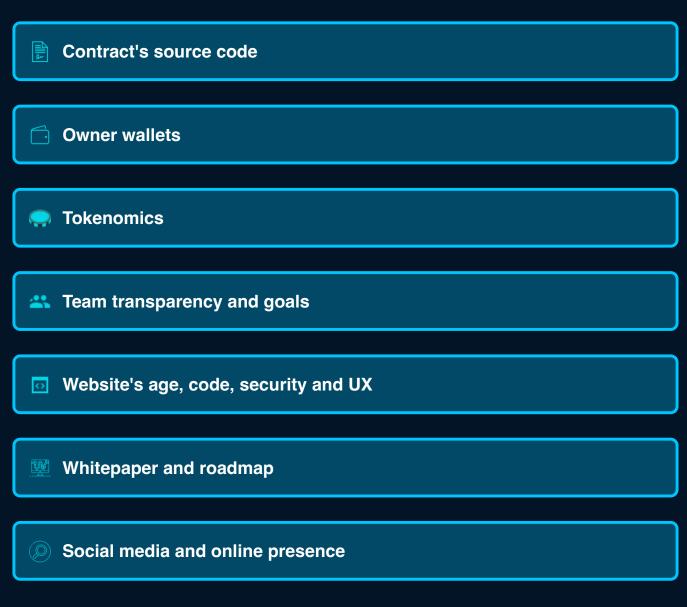
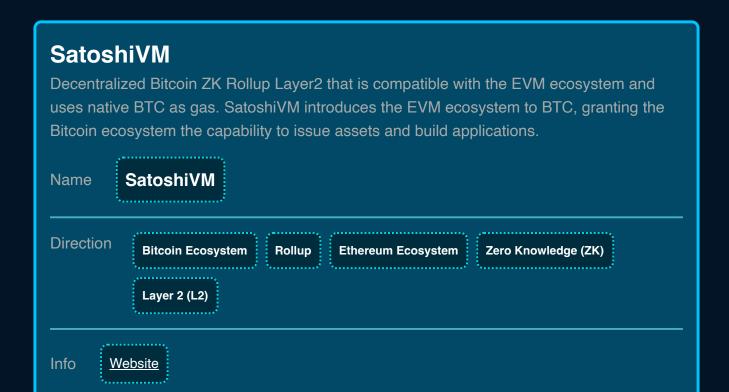


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General Information



General Information



General Analysis

Audit Review Process

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards
- Ensuring contract logic meets the specifications and intentions of the client
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders
- 5 Thorough line-byline Al review of the entire codebase by industry

Token Transfer Stats

Transactions (Latest Mine Block)

Token holders

Compiler



4



13478



v0.8.12

Smart Contract Stats

Functions

Events

Constructor



17

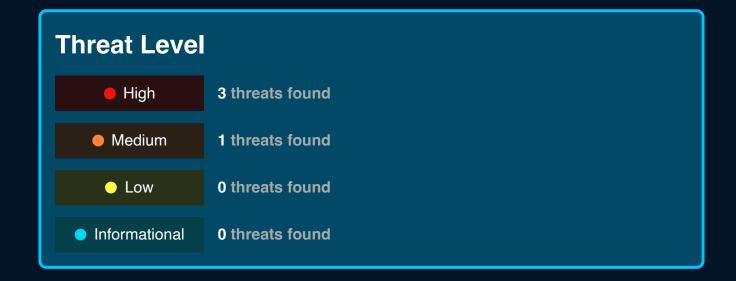
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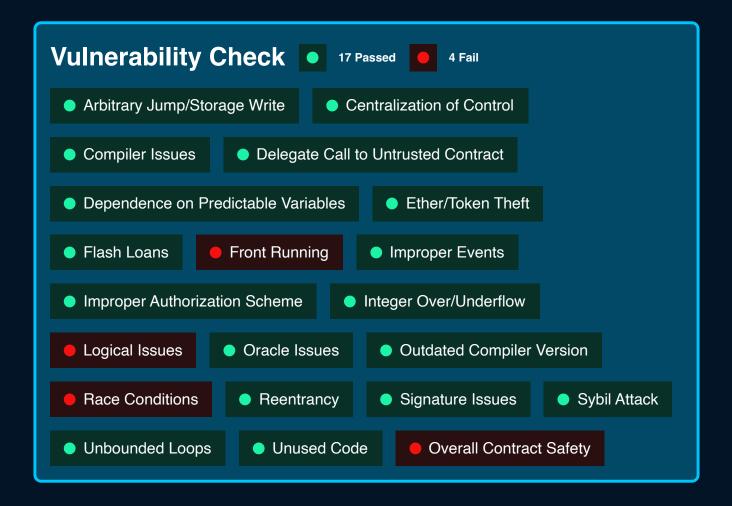
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4

Threat Level High Issues on this level are critical to the smart contract's performace/functionality and should be fixed before moving to a live enviroment Issues on this level are critical to the smart contract's performace/functionality and should be fixed before moving to a live enviroment Low Issues on this level are minor details and warning that can remain unfixed Informational Informational level is to offer suggestions for improvement of efficacy or secruity for fratures with risk free factor

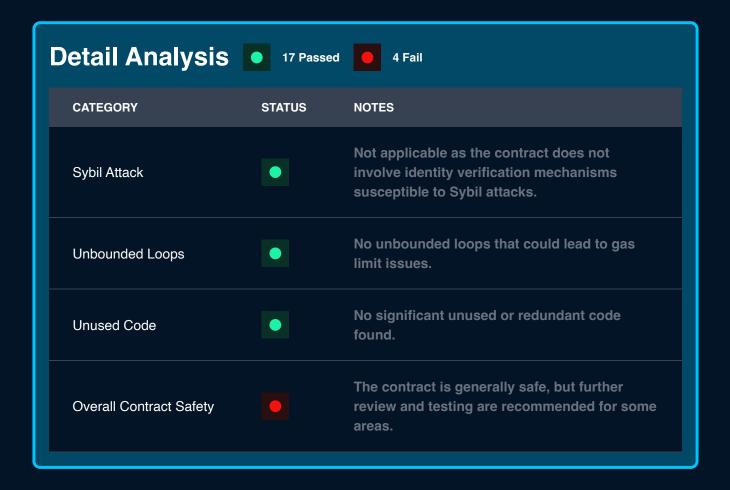




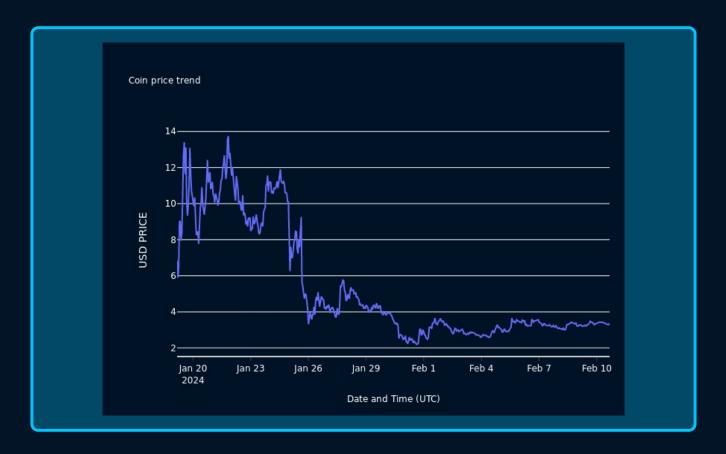
Detail Analysis 17 Passed 4 Fail				
CATEGORY	STATUS	NOTES		
Arbitrary Jump/Storage Write		The contract does not use low- level calls or assembly that could lead to arbitrary jumps or storage writes.		
Centralization of Control	•	Control seems to be decentralized with no single point of authority.		
Compiler Issues		Compiled with a recent and stable version of the Solidity compiler (v0.8.12).		
Delegate Call to Untrusted Contract	•	The contract does not use delegate calls, hence this is not applicable.		
Dependence on Predictable Variables	•	No critical dependency on predictable variables like block.timestamp or block.number.		

Detail Analysis 17 Passed 4 Fail					
CATEGORY	STATUS	NOTES			
Ether/Token Theft	•	There are no functions that transfer ether or tokens to arbitrary addresses without proper authorization.			
Flash Loans	•	This contract does not interact with flash loans.			
Front Running		Some functions may be susceptible to front running, although mitigations are in place.			
Improper Events	•	All external state changes are accompanied by appropriate event emissions.			
Improper Authorization Scheme	•	Uses standard authorization schemes with checks on msg.sender.			
Integer Over/Underflow	•	Safe math operations are used, mitigating over/underflow risks.			

Detail Analysis 17 Passed 4 Fail				
CATEGORY	STATUS	NOTES		
Logical Issues		There might be logical issues not evident without thorough testing or formal verification.		
Oracle Issues	•	The contract does not rely on external oracles.		
Outdated Compiler Version	•	Compiled with a recent version of the Solidity compiler.		
Race Conditions		Possible race conditions in functions with external calls.		
Reentrancy	•	No reentrancy vulnerabilities detected as state changes happen before external calls.		
Signature Issues	•	Proper signature verification in place.		



Market Analysis







Oxscans operates as an automated system for smart contract due diligence, acknowledging the possibility of bugs or vulnerabilities impacting token values. We do not hold specific obligations regarding your trading outcomes or the utilization of audit content. Users release Oxscans from any liability associated with content obtained through the tool.



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