



October 1, 2024

Express Audit Report for VibeRegistry

DISCLAIMER: This is an automatically generated audit performed with De.Fi Scanner tool. De.Fi smart contract auditing tool is intended to assist in identifying potential vulnerabilities or malicious functions in smart contracts. While this is done to our best effort and knowledge, please notice that no tool can guarantee complete accuracy or comprehensiveness in detecting all possible vulnerabilities.



Project Summary

Project Name	VibeRegistry
Address	0xd50a2e848f8872497e9c83449799c565fe643c8d
Network	137

Issue ID	183
Severity	🎯 Optimization
Status	High
Description Code	uint256 public maxSupply;
Location	DYSNOMIA.maxSupply (01_dysnomia.sol#22) should be constant

Issue ID	183
Severity	🔴 Optimization
Status	High
Description Code	string public description;
Location	VibeBase.description (VibeBase.sol#15) should be constant



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Issue ID	183
Severity	🎯 Optimization
Status	High
Description Code	uint64 cacheIndex;
Location	VibeRegistry.cacheIndex (VibeRegistry.sol#59) should be constant

Issue ID	183
Severity	🎯 Optimization
Status	High
Description Code	uint indexIt;
Location	VibeRegistry.indexIt (VibeRegistry.sol#60) should be constant

Issue ID	183
Severity	 Optimization
Status	High
Description Code	address mafths = 0x45d9a37Af0D2ccb27F09d5D304dff0e691098269;
Location	VibeRegistry.mafths (VibeRegistry.sol#91) should be constant

Issue ID	103
Severity	 Informational
Status	High
Description Code	pragma solidity ^0.8.21;
Location	Different versions of Solidity is used: - Version used: ['^0.8.20', '^0.8.21', '^0.8.24', '^0.8.26'] - ^0.8.21 (01_dysnomia.sol#2) - ^0.8.21 (02b_shainterface.sol#2) - ^0.8.21 (02d_shafactoryinterface.sol#2) - ^0.8.24 (Access.sol#2) - ^0.8.24 (Access.sol#2) - ^0.8.24 (AccessManager.sol#2) - ^0.8.24 (AccessorMod.sol#2) - ^0.8.24 (AccessManager.sol#2) - ^0.8.24 (AccessorMod.sol#2) - ^0.8.24 (Context.sol#4) - ^0.8.20 (EnumSet.sol#5) - ^0.8.26 (IShaStorage.sol#2) - ^0.8.26 (IVibeCalculator.sol#3) - ^0.8.24 (Ownable.sol#4) - ^0.8.21 (SHIO.sol#2) - ^0.8.24 (VibeBase.sol#2) - ^0.8.26 (VibeRegistry.sol#7) - ^0.8.26 (atropamath.sol#2) - ^0.8.26 (atropamath.sol#2) - ^0.8.21 (multiownable.sol#2) - ^0.8.26 (IShaStorage.sol#2) - ^0.8.26 (IVibeCalculator.sol#3) - ^0.8.24 (VibeBase.sol#2)



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Issue ID	177
Severity	 Informational
Status	High
Description Code	pragma solidity ^0.8.21;
Location	Pragma version^0.8.21 (01_dysnomia.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7



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Issue ID	177
Severity	 Informational
Status	High
Description Code	pragma solidity ^0.8.24;
Location	Pragma version^0.8.24 (Access.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7

Issue ID	177
Severity	 Informational
Status	High
Description Code	pragma solidity ^0.8.20;
Location	Pragma version^0.8.20 (EnumSet.sol#5) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7

Issue ID	177
Severity	 Informational
Status	High
Description Code	pragma solidity ^0.8.26;
Location	Pragma version^0.8.26 (IShaStorage.sol#2) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7



Issue ID	177
Severity	🎯 Informational
Status	High
Description Code	
Location	solc-0.8.26 is not recommended for deployment

Issue ID	160
Severity	 Informational
Status	Medium
Description Code	(uint64 Eta, uint64 Kappa) = Cat.Cone().React(
Location	VibeRegistry.checkCache(uint256,IVibeCalculator.Trade).Eta_scope_2 (VibeRegistry.sol#226) is a local variable never initialized

Issue ID	160
Severity	 Informational
Status	Medium
Description Code	for (uint i; i < count;) {
Location	VibeRegistry.calculateRewards(address,address,address,address,uint256,int256).i (VibeRegistry.sol#301) is a local variable never initialized

Issue ID	160
Severity	 Informational
Status	Medium
Description Code	for (uint h; h < MasterSecondSet.length();) {
Location	VibeRegistry.checkCache(uint256,IVibeCalculator.Trade).h (VibeRegistry.sol#209) is a local variable never initialized

Issue ID	160
Severity	 Informational
Status	Medium
Description Code	for (uint i; i < MasterSet.length();){
Location	VibeRegistry.getAllVibes().i (VibeRegistry.sol#152) is a local variable never initialized

Issue ID	135
Severity	 Informational
Status	High
Description Code	int sumVibes = 0;
Location	VibeRegistry.calculateAndSumBasis(address,address, address,address,uint256).sumVibes (VibeRegistry.sol#256) is written in both sumVibes = checkCache(Bhash,trade) (VibeRegistry.sol#267) sumVibes = storageUnit.sumVibesForAura(userAura) (VibeRegistry.sol#268)