HackenProof

SUMMARY REPORT

DexLyn Tokenomics Audit Contest

DEXLYN

AUDITED BY

Verified by HackenProof

@alexbabits
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SMART CONTRACTS CODE LANGUAGE

Move

REPORT CREATED

25.11.2025

AUDIT DURATION

28.10.25-20.11.25

PREPARED BY

HackenProof Team

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HackenProof Crowdourced Audit is your solution to maximize the cybersecurity level with involvement of over 40k of the most skilled and experienced community researchers in the industry

Approved by	HackenProof team
Name	DexLyn Audit Contest
Type	Smart Contracts
Technology	Move
Timeline	28.10.25-20.11.25
Deployed contract / GitHub	Private

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OVERVIEW

ABOUT AUDIT

BUDGET ALLOCATED	TOTAL REPORT SUBMITTED
$10 000	13

ABOUT DEXLYN

DexLyn is an open-source decentralized exchange built on Supra Chain, a protocol that facilitates token swapping and liquidity management.

SCOPES AND TARGETS

Target	Type	Tech
https://github.com/hackenproof-public/tokenomics_contract	Smart contract	Move

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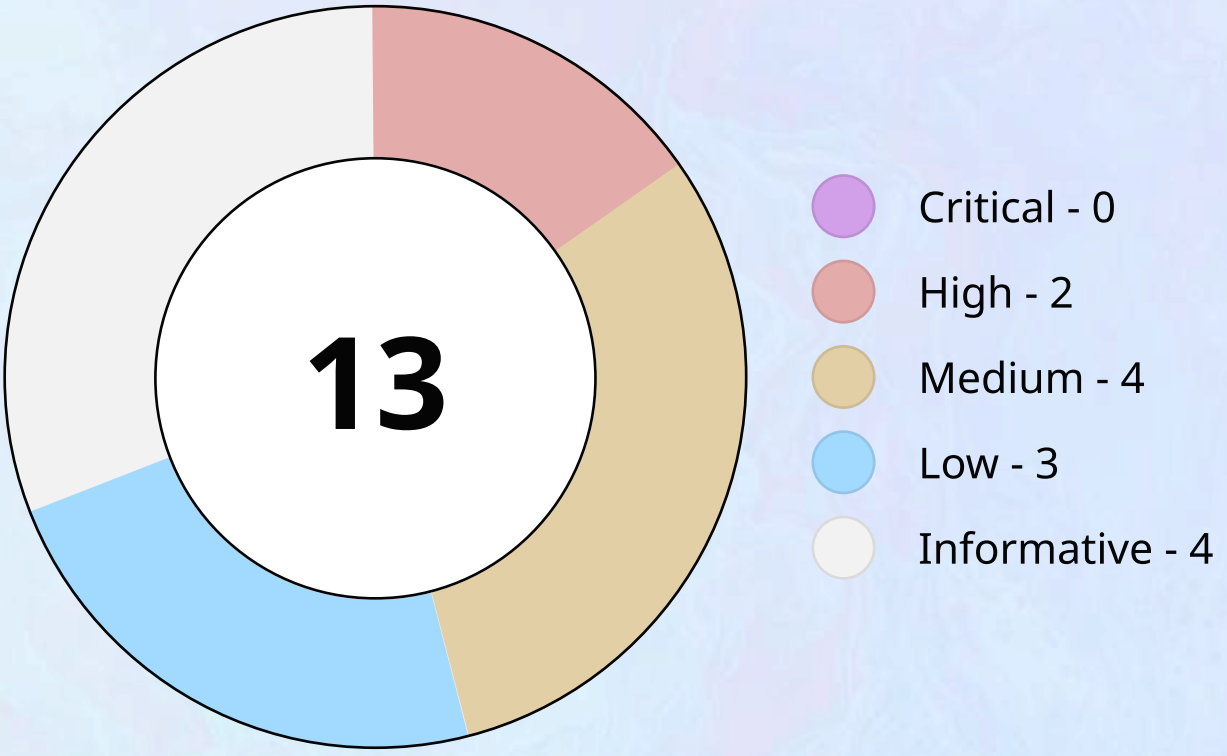
FINDINGS

VALID REPORTS STATISTICS



BUDGET

$10 000

TOTAL PAID OUT

$10 000

FINDINGS LIST

Name	Severity
DEXPRIV-2 More than 5% of total DXLYN supply cannot be deposited into the Voting Escrow	• High
DEXPRIV-6 Stuck supply when calling `dxlyn_coin::init_module()` leads to incorrect reward distribution	• High
DEXPRIV-1 Token Freeze Bypass in `dxlyn_coin.move`	• Medium
DEXPRIV-3 Unable to change `withdrawal_address` in `Vesting.move`	• Medium
DEXPRIV-7 1 wei depositor earns entire weekly rebase distribution	• Medium
DEXPRIV-10 Missing admin change ability in `emission` and `vesting` files	• Medium
DEXPRIV-4 Unable to set (or change) `beneficiaries` value in `Vesting.move`	• Low

Name	Severity
DEXPRIV-11 Gauge contracts never implement `get_reward_distribution()`	• Low
DEXPRIV-12 Admin can accidentally sweep DXLYN coins out of `fee_distributor`	• Low
DEXPRIV-8 `schedule.total_emitted` is double counted in `emission.move`	• Informative
DEXPRIV-5 Emissions cannot be paused due to `schedule.is_paused` never being referenced	• Informative
DEXPRIV-9 Emissions and epoch counter skipped and desync if not called every week	• Informative
DEXPRIV-13 QA/Informationals	• Informative

CONCLUSION

ABOUT DEXLYN

The audit makes no statements or warranties on security of the code. It also cannot be considered as a sufficient assessment regarding the utility and safety of the code, bugfree status or any other statements of the contract.

It is important to note that you should not rely on this report only - we recommend proceeding with several independent audits and a public bug bounty program to ensure security of smart contracts.

TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. Thus, the audit can't guarantee the explicit security of the audited smart contracts.