

Lido Protocol Audits

Lido on Ethereum

12-2020 Sigma Prime Security Assessment

The testing team identified a total of eighteen (18) issues during this assessment, of which:

- Five (5) are classified as medium risk (4 resolved, 1 closed),
- Eight (8) are classified as low risk (4 resolved, 3 closed, 1 open),
- Five (5) are classified as informational (2 resolved, 3 closed).

See [full report](#) for more details.

12-2020 Quantstamp Audit

- Total Issues: 14 (7 Resolved)
- High Risk Issues: 0 (0 Resolved)
- Medium Risk Issues: 1 (0 Resolved)
- Low Risk Issues: 4 (3 Resolved)
- Informational Risk Issues: 2 (2 Resolved)
- Undetermined Risk Issues: 7 (2 Resolved)

See [full report](#) for more details.

04-2021 MixBytes Audit: ETH2 Oracle

- Total Issues: 7 (1 Fixed, 6 No issue)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 4 (4 No issue)
- Comment Risk Issues: 3 (1 Fixed, 2 No issue)

See [full report](#) for more details.

05-2021 MixBytes Audit: stETH price oracle

- Total Issues: 7 (4 Fixed, 1 No issue, 2 Acknowledged)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 2 (1 Fixed, 1 Acknowledged)
- Comment Risk Issues: 5 (3 Fixed, 1 No issue, 1 Acknowledged)

See [full report](#) for more details.

05-2021 MixBytes Audit: Withdrawals Manager Proxy and Stub

- Total Issues: 1 (1 Fixed)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 0
- Comment Risk Issues: 1 (1 Fixed)

See [full report](#) for more details.

06-2021 MixBytes stETH Price Feed Security Audit

- Total Issues: 10 (3 Fixed, 6 No issue, 1 Acknowledged)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 4 (1 Fixed, 2 No issue, 1 Acknowledged)
- Comment Risk Issues: 6 (2 Fixed, 4 No issue)

See [full report](#) for more details.

07-2021 MixBytes bETH Vault Security Audit

- Total Issues: 5 (3 Fixed, 2 Acknowledged)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 1 (1 Acknowledged)
- Comment Risk Issues: 4 (3 Fixed, 1 Acknowledged)

See [full report](#) for more details.

08-2021 MixBytes bETH Vault Security Audit

bETH Vault was re-audited by MixBytes to incorporate the changes made since the previous audit.

- Total Issues: 0
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 0
- Comment Risk Issues: 0

See [full report](#) for more details.

09-2021 MixBytes wstETH Security Audit

- Total Issues: 5 (3 Acknowledged, 2 No Issue)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 5 (3 Acknowledged, 2 No Issue)
- Comment Risk Issues: 0

See [full report](#) for more details.

09-2021 MixBytes Easy Track Security Audit

- Total Issues: 3 (2 Fixed, 1 No Issue)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 2 (2 Fixed)
- Comment Risk Issues: 1 (1 No Issue)

See [full report](#) for more details.

09-2021 MixBytes 1inch Rewards Manager Security Audit

- Total Issues: 4 (4 Acknowledged)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 2 (2 Acknowledged)
- Comment Risk Issues: 2 (2 Acknowledged)

See [full report](#) for more details.

10-2021 MixBytes Aragon Voting Security Audit

The version of the [Aragon Voting smart contract](#) with support of the voting time change.

- Total Issues: 9 (9 Acknowledged)
- Critical Issues: 0 (0 Fixed)
- Major Issues: 1 (1 Acknowledged)
- Warning Issues: 4 (4 Acknowledged)
- Comment Risk Issues: 4 (4 Acknowledged)

See [full report](#) for more details.

10-2021 Sigma Prime Easy Track Smart Contract Security Review

The testing team identified a total of nine (9) issues during this assessment, of which:

- One (1) is classified as high risk (1 resolved),
- Three (3) are classified as low risk (3 resolved),
- Five (5) are classified as informational (3 resolved, 2 closed).

See [full report](#) for more details.

01-2022 MixBytes bETH Vault Security Audit Report

bETH Vault was re-audited by MixBytes to incorporate the changes made for the vault to work with Wormhole bridge instead of the Shuttle bridge.

- Total Issues: 5 (3 Fixed, 2 Acknowledged)
- Critical Issues: 0
- Major Issues: 1 (1 Acknowledged)
- Warning Issues: 4 (4 Acknowledged)
- Comment Risk Issues: 2 (2 Acknowledged)

See [full report](#) for more details.

02-2022 MixBytes AAVE stETH integration Security Audit Report

- Total Issues: 11 (3 Fixed, 2 Acknowledged)
- Critical Issues: 0
- Major Issues: 1 (1 Fixed)
- Warning Issues: 5 (2 Acknowledged, 3 Fixed)
- Comment Risk Issues: 5 (1 Acknowledged, 4 Fixed)

See [full report](#) for more details.

02-2022 MixBytes In-protocol Coverage Security Audit Report

- Total Issues: 3 (3 Fixed)
- Critical Issues: 1 (1 Fixed)
- Major Issues: 0
- Warning Issues: 1 (1 Fixed)
- Comment Risk Issues: 1 (1 Fixed)

See [full report](#) for more details.

02-2022 MixBytes Deposit Security Module Security Audit Report

- Total Issues: 22 (17 Fixed, 5 Acknowledged)
- Critical Issues: 0
- Major Issues: 2 (2 Fixed)
- Warning Issues: 13 (5 Acknowledged, 8 Fixed)
- Comment Risk Issues: 7 (7 Fixed)

See [full report](#) for more details.

05-2022 Oxorio Jumpgate Smart Contracts Security Audit Report

- Total Issues: 12 (11 Fixed, 1 Acknowledged)
- Critical Issues: 0
- Major Issues: 1 (1 Fixed)
- Warning Issues: 2 (2 Fixed)
- Comment Risk Issues: 9 (8 Fixed, 1 Acknowledged)

See [full report](#) for more details.

05-2022 MixBytes Lido Protocol Security Audit Report

- Total Issues: 15 (13 Fixed, 2 Acknowledged)
- Critical Issues: 0
- High Issues: 1 (1 Fixed)
- Medium Issues: 7 (6 Fixed, 1 Acknowledged)
- Low Issues: 7 (6 Fixed, 1 Acknowledged)

See [full report](#) for more details.

06-2022 MixBytes Lido Two-Phase Voting Security Audit Report

- Total Issues: 10 (7 Fixed, 3 Acknowledged)
- Critical Issues: 0

- High Issues: 0
- Medium Issues: 1 (1 Acknowledged)
- Low Issues: 9 (7 Fixed, 2 Acknowledged)

See[full report](#) for more details.

08-2022 ChainSecurity Code Assessment of the Lido Smart Contracts Audit Report

- Total Issues: 9 (4 Risk accepted, 5 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Low Issues: 9 (4 Risk accepted, 5 Acknowledged)
- Notes: 2 (Highlights)

See[full report](#) for more details.

08-2022 MixBytes Lido Protocol Security Auditor's Note On The Deployed Code Compliance

See[note](#) contents for more details

09-2022 Statemind MEV-Boost relay allowlist Security Audit Report

- Total Issues: 7 (5 Fixed, 2 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Informational Issues: 7 (5 Fixed, 2 Acknowledged)

See[full report](#) for more details.

09-2022 Statemind Insurance Fund Audit Report

- Total Issues: 4 (1 Fixed, 3 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Informational Issues: 4 (1 Fixed, 3 Acknowledged)

See[full report](#) for more details.

09-2022 Statemind Easy Track Payment Processor with limits

- Total Issues: 9 (9 Acknowledged)
- Critical Issues: 0
- High Issues: 1 (1 Acknowledged)
- Medium Issues: 0
- Informational Issues: 8 (8 Acknowledged)

See[full report](#) for more details.

01-2023 Statemind TRP Vesting Escrow Audit Report

- Total Issues: 5 (4 Fixed, 1 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Informational Issues: (4 Fixed, 1 Acknowledged)

See[full report](#) for more details.

02-2023 ChainSecurity Lido Staking Router Audit Report

- Total Issues: 13 (10 Fixed, 3 Acknowledged)
- Critical Issues: 0
- High Issues: 1 (1 Fixed)
- Medium Issues: 2 (2 Fixed)
- Informational Issues: 10 (7 Fixed, 3 Acknowledged)

See [full report](#) for more details.

03-2023 Sigma Prime dc4bc Security Audit

- Total Issues: 8 (8 Fixed)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 3 (3 Fixed)
- Low Issues: 2 (2 Fixed)
- Informational Issues: 3 (3 Fixed)

See [full report](#) for more details. The report had been updated on 14 March 2023 with the build hashes of 4.1.0 release.

04-2023 Hexens Lido V2 Smart Contract Audit

- Total Issues: 25 (16 Fixed, 9 Acknowledged)
- Critical Issues: 1 (1 Fixed)
- High Issues: 3 (3 Fixed)
- Medium Issues: 5 (4 Fixed, 1 Acknowledged)
- Low Issues: 11 (6 Fixed, 5 Acknowledged)
- Informational Issues: 5 (2 Fixed, 3 Acknowledged)

See [full report](#) for more details.

04-2023 MixBytes Camp Lido V2 Contest

- Total Issues: 17 (8 Fixed, 9 Acknowledged)
- Critical Issues: 0
- High Issues: 1 (1 Acknowledged)
- Medium Issues: 3 (1 Fixed, 2 Acknowledged)
- Low Issues: 13 (7 Fixed, 6 Acknowledged)

See [full report](#) for more details.

04-2023 Statemind GateSeals Audit

- Total Issues: 4 (3 Fixed, 1 Acknowledged)
- Critical Issues: 0
- High Issues: 1 (1 Fixed)
- Medium Issues: 0
- Low Issues: 0
- Informational Issues: 3 (2 Fixed, 1 Acknowledged)

See [full report](#) for more details.

04-2023 Certora Lido V2 Audit

- Total Issues: 23 (14 Fixed, 9 Acknowledged)
- Critical Issues: 2 (2 Fixed)
- High Issues: 5 (1 Fixed, 4 Acknowledged)
- Medium Issues: 10 (7 Fixed, 3 Acknowledged)
- Low Issues: 5 (3 Fixed, 2 Acknowledged)
- Informational Issues: 1 (1 Fixed)

See [full report](#) for more details.

04-2023 Statemind Lido V2 Audit

- Total Issues: 120 (75 Fixed, 45 Acknowledged)
- Critical Issues: 2 (1 Fixed, 1 Acknowledged)
- High Issues: 8 (6 Fixed, 2 Acknowledged)
- Medium Issues: 17 (9 Fixed, 8 Acknowledged)
- Informational Issues: 93 (59 Fixed, 34 Acknowledged)

See [full report](#) for more details.

05-2023 Statemind Lido V2 Upgrade Template Audit

- Total Issues: 14 (7 Fixed, 7 Acknowledged)

- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Informational Issues: 14 (7 Fixed, 7 Acknowledged)

See [full report](#) for more details.

05-2023 Statemind Lido V2 Deployment Validation Note

See [note](#) contents for more details.

05-2023 Hexens Lido V2 Oracle Security Review

- Total Issues: 2 (2 Fixed)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Low Issues: 1 (1 Fixed)
- Informational Issues: 1 (1 Fixed)

See [full report](#) for more details.

05-2023 Oxorio Lido V2 On-chain Audit

- Total Issues: 43 (4 Fixed, 37 Acknowledged, 2 No Issue)
- Critical: 0
- Major: 7 (7 Acknowledged)
- Warning: 17 (16 Acknowledged, 1 No Issue)
- Info: 19 (4 Fixed, 14 Acknowledged, 1 No Issue)

See [full report](#) for more details.

05-2023 Oxorio Lido V2 Off-chain Audit

- Total Issues: 11 (1 Fixed, 10 Acknowledged)
- Critical: 0
- Major: 5 (5 Acknowledged)
- Warning: 2 (1 Fixed, 1 Acknowledged)
- Info: 4 (4 Acknowledged)

See [full report](#) for more details.

10-2023 Statemind Lido roles analysis

Impact severity \ Attack feasibility Low Medium High Critical 56 5 0 High 71 1 1 Medium 33 12 0 Low 0 6 0 No impact 2 0 0

See [full report](#) for more details.

10-2023 Oxorio Lido Easy Track Smart Contracts Security Audit (Easy Track Factories for Stablecoins)

- Total Issues: 9 (5 Fixed, 4 Acknowledged)
- Critical: 0
- Major: 0
- Warning: 2 (1 Fixed, 1 Acknowledged)
- Info: 7 (4 Fixed, 3 Acknowledged)

See [full report](#) for more details.

12-2023 Pessimistic Lido Stonks Audit

This audit report covers the code up to commit [bd6a9e83c095f5052e404bc13585ad2c752f242f](#) . For release version audit please go to [03-2024 Ackee Blockchain Lido Stonks Audit](#) .

- Total Issues: 8 (4 Fixed, 4 Acknowledged)
- Critical: 0
- Medium: 2 (1 Fixed, 1 Acknowledged)
- Low: 3 (3 Fixed)
- Notes: 3 (3 Acknowledged)

See[full report](#) for more details.

01-2024 Statemind Lido Simple DVT Easy Track Factories Audit

- Total Issues: 10 (7 Fixed, 3 Acknowledged)
- Critical: 0
- High: 0
- Medium: 0
- Informational: 10 (7 Fixed, 3 Acknowledged)

See[full report](#) for more details.

03-2024 Ackee Blockchain Lido Stonks Audit

- Total Issues: 9 (7 Fixed, 2 Acknowledged)
- Critical: 0
- High: 0
- Medium: 1 (1 Fixed)
- Warning 4 (2 Fixed, 2 Acknowledged)
- Informational: 4 (4 Fixed)

See[full report](#) for more details.

04-2024 Statemind GateSeal Deployment Validation Note

See[note](#) contents for more details.

06-2024 ChainSecurity Code Assessment of the LIP-23: Rebase Check Smart Contracts

- Total Issues: 3 (3 Fixed)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Low Issues: 2 (2 Fixed)
- Info Issues: 1 (1 Fixed)

See[full report](#) for more details.

07-2024 Ackee Blockchain Audit of the Simple Delegation

- Total Issues: 14 (6 Fixed, 8 Acknowledged)
- High Issues: 0
- Medium Issues: 0
- Warning Issues: 10 (3 Fixed, 7 Acknowledged)
- Info Issues: 4 (3 Fixed, 1 Acknowledged)

See[full report](#) for more details.

07-2024 Statemind Audit of the Simple Delegation

- Total Issues: 6 (2 Fixed, 4 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Info Issues: 6 (2 Fixed, 4 Acknowledged)

See[full report](#) for more details.

07-2024 MixBytes Sanity Checker Security Audit (LIP-23)

- Total Issues: 8 (4 Fixed, 4 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Low Issues: 8 (4 Fixed, 4 Acknowledged)

See[full report](#) for more details.

10-2024 Ackee Blockchain Audit of Staking Router v2 (LIP-25)

- Total Issues: 7 (5 Fixed, 2 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Low Issues: 3 (3 Fixed)
- Warning Issues: 2 (2 Acknowledged)
- Info Issues: 2 (2 Fixed)

See [full report](#) for more details.

10-2024 Ackee Blockchain Audit of Community Staking Module (LIP-26)

- Total Issues: 39 (25 Fixed, 2 Partially fixed, 12 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 1 (1 Fixed)
- Low Issues: 8 (5 Fixed, 3 Acknowledged)
- Warning Issues: 16 (10 Fixed, 1 Partially fixed, 5 Acknowledged)
- Info Issues: 14 (9 Fixed, 1 Partially fixed, 4 Acknowledged)

See [full report](#) for more details.

10-2024 MixBytes On-chain Audit of Community Staking Module (LIP-23, LIP-25, LIP-26)

- Total Issues: 41 (18 Fixed, 23 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 10 (4 Fixed, 6 Acknowledged)
- Low Issues: 31 (14 Fixed, 17 Acknowledged)

See [full report](#) for more details.

10-2024 MixBytes Off-chain Audit of Lido Oracle v4

- Total Issues: 3 (2 Fixed, 1 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Low Issues: 3 (2 Fixed, 1 Acknowledged)

See [full report](#) for more details.

Lido Multichain audit reports

07-2022 Oxorio Lido L2 Smart Contracts Security Audit Report

- Total Issues: 9 (6 Fixed, 2 Acknowledged, 1 No Issue)
- Critical Issues: 1 (1 Acknowledged)
- Major Issues: 1 (1 Fixed)
- Warning Issues: 1 (1 Fixed)
- Info Issues: 6 (4 Fixed, 1 Acknowledged, 1 No Issue)

See [full report](#) for more details.

08-2022 Oxorio Governance Crosschain Bridges Smart Contracts Security Audit Report

- Total Issues: 8 (8 Acknowledged)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 2 (2 Acknowledged)
- Info Issues: 6 (6 Acknowledged)

See [full report](#) for more details.

09-2023 Verilog Mantle L2 ERC20 Token Bridge Audit Report

- Total Issues: 5 (3 Fixed, 2 Acknowledged)

- High: 0
- Medium: 0
- Low: 2 (2 Acknowledged)
- Informational: 3 (3 Fixed)

See [full report](#) for more details.

10-2023 Cantina zkSync Lido Bridge Audit Report

- Total Issues: 22 (15 Fixed, 3 Acknowledged, 4 No issue)
- Critical Issues: 1 (1 Fixed)
- High Issues: 0
- Medium Issues: 5 (3 Fixed, 2 No Issue)
- Low Issues: 8 (4 Fixed, 2 No Issue, 2 Acknowledged)
- Info Issues: 8 (7 Fixed, 1 Acknowledged)

See [full report](#) for more details.

10-2023 Diligence Linea Cross-Chain Governance Executor Audit Report

- Total Issues: 1 (1 Fixed)
- Informational: 1 (1 Fixed)

See [full report](#) for more details.

12-2023 Diligence Linea Custom Bridged Token Audit Report

- Total Issues: 0

See [full report](#) for more details.

12-2023 OpenZeppelin Linea Bridge Audit Report

NB: the most of the contracts and issues are related not to wstETH bridge but to the entire Linea L2 system. * Total Issues: 33 (20 Fixed, 3 Partially fixed) * Critical Issues: 1 (1 Fixed) * High Issues: 3 (1 Fixed, 2 Acknowledged) * Medium Issues: 1 (1 Resolved) * Low Issues: 9 (4 Fixed, 1 Partially fixed, 4 Acknowledged) * Info Issues: 19 (13 Fixed, 2 Partially fixed, 4 Acknowledged)

See [full report](#) for more details.

01-2024 Zellic Scroll Lido Gateway Audit Report

- Total Issues: 1 (1 No Issue)
- Info Issues: 1 (1 No Issue)

See [full report](#) for more details.

06-2024 Ackee Blockchain stETH on Optimism Audit Report

- Total Issues: 15 (10 Fixed, 5 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 0
- Low Issues: 2 (2 Fixed)
- Warning Issues: 8 (4 Fixed, 4 Acknowledged)
- Info Issues: 5 (4 Fixed, 1 Acknowledged)

See [full report](#) for more details.

06-2024 MixBytes stETH on Optimism Audit Report

- Total Issues: 20 (15 Fixed, 5 Acknowledged)
- Critical Issues: 0
- High Issues: 1 (1 Fixed)
- Medium Issues: 1 (1 Fixed)
- Low Issues: 18 (13 Fixed, 5 Acknowledged)

See [full report](#) for more details.

07-2024 Cantina wstETH on Mode Verification Report

The deployed contracts are verified against the [wstETH on Base](#) deployment.

See [full report](#) for more details.

07-2024 MixBytes Lido a.DI Audit

- Total Issues: 13 (13 Acknowledged)
- Critical Issues: 0
- High Issues: 0
- Medium Issues: 2 (2 Acknowledged)
- Low Issues: 11 (11 Acknowledged)

See [full report](#) for more details.

08-2024 Oxorio wstETH on BNB Verification report

The deployed contracts are verified in accordance to the [proposal](#)

See full [initial](#) and [remediated](#) reports for more details.

10-2024 Quantstamp wstETH on Zircuit Verification Report

The deployed contracts are verified against the [wstETH on Optimism](#) and [Governance crosschain bridges](#) references together with the [proposed setup](#) initialization.

See [full report](#) for more details.

Lido on Polygon PoS

04-2022 Lido On Polygon Smart Contracts Security Audit Report for PR#69

- Total Issues: 9 (4 Fixed, 1 Acknowledged, 1 No Issue)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 0
- Info Issues: 9 (4 Fixed, 1 Acknowledged, 1 No Issue)

See [full report](#) for more details.

08-2022 Oxorio Lido on Polygon V2

- Total Issues: 107 (61 Fixed, 11 Acknowledged, 35 No Issue)
- Critical Issues: 0
- Major Issues: 0
- Warning Issues: 14 (12 Fixed, 2 No Issue)
- Info Issues: 93 (49 Fixed, 11 Acknowledged, 33 No Issue)

See [full report](#) for more details. [Edit this page](#) [Previous Bug Bounties with Immunefi](#) [Next Mainnet](#)