AgentLISA - LISAToken

Security Assessment

CertiK Assessed on Dec 17th, 2025

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AgentLISA - LISAToken

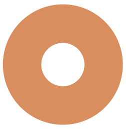
The security assessment was prepared by CertiK.

Executive Summary

TYPES	ECOSYSTEM	METHODS
ERC-20	Binance Smart Chain (BSC)	Manual Review, Static Analysis

LANGUAGE	TIMELINE
Solidity	Preliminary comments published on 12/17/2025 Final report published on 12/17/2025

Vulnerability Summary



2	1	1	0	0	0
Total Findings	Resolved	Multi-Sig	Partially Resolved	Acknowledged	Declined

🟧 2	Centralization	1 Disabled, 1 Multi-Sig	Centralization findings highlight privileged roles & functions and their capabilities, or instances where the project takes custody of users' assets.

🟥 0	Critical	Critical risks are those that impact the safe functioning of a platform and must be addressed before launch. Users should not invest in any project with outstanding critical risks.
🟧 0	Major	Major risks may include logical errors that, under specific circumstances, could result in fund losses or loss of project control.
🟨 0	Medium	Medium risks may not pose a direct risk to users' funds, but they can affect the overall functioning of a platform.
🟨 0	Minor	Minor risks can be any of the above, but on a smaller scale. They generally do not compromise the overall integrity of the project, but they may be less efficient than other solutions.
🟦 0	Informational	Informational errors are often recommendations to improve the style of the code or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

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CODEBASE | AGENTLISA - LISATOKEN

Repository

https://github.com/agentlisa/token/tree/1867e80bcb13613299560058f1928680bf95d731

AUDIT SCOPE | AGENTLISA - LISATOKEN

agentlisa/token
src/LISAToken.sol

APPROACH & METHODS | AGENTLISA - LISATOKEN

This audit was conducted for AgentLISA to evaluate the security and correctness of the smart contracts associated with the AgentLISA - LISAToken project. The assessment included a comprehensive review of the in-scope smart contracts. The audit was performed using a combination of Manual Review and Static Analysis.

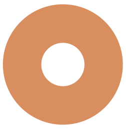
The review process emphasized the following areas:

- Architecture review and threat modeling to understand systemic risks and identify design-level flaws.
- Identification of vulnerabilities through both common and edge-case attack vectors.
- Manual verification of contract logic to ensure alignment with intended design and business requirements.
- Dynamic testing to validate runtime behavior and assess execution risks.
- Assessment of code quality and maintainability, including adherence to current best practices and industry standards.

The audit resulted in findings categorized across multiple severity levels, from informational to critical. To enhance the project's security and long-term robustness, we recommend addressing the identified issues and considering the following general improvements:

- Improve code readability and maintainability by adopting a clean architectural pattern and modular design.
- Strengthen testing coverage, including unit and integration tests for key functionalities and edge cases.
- Maintain meaningful inline comments and documentations.
- Implement clear and transparent documentation for privileged roles and sensitive protocol operations.
- Regularly review and simulate contract behavior against newly emerging attack vectors.

FINDINGS | AGENTLISA - LISATOKEN



2	0	2	0	0	0	0
Total Findings	Critical	Centralization	Major	Medium	Minor	Informational

This report has been prepared for AgentLISA to identify potential vulnerabilities and security issues within the reviewed codebase. During the course of the audit, a total of 2 issues were identified. Leveraging a combination of Manual Review & Static Analysis the following findings were uncovered:

ID	Title	Category	Severity	Status
AGL-01	**Initial Token Distribution**	**Centralization**	**Centralization**	● **4/6 Multi-Sig**
AGL-02	**Centralized Control Of Contract Upgrade**	**Centralization**	**Centralization**	● **Disabled**

AGL-01 | Initial Token Distribution

Category	Severity	Location	Status
Centralization	● **Centralization**	**src/LISAToken.sol: 46~47**	● **4/6 Multi-Sig**

Description

All of the `LISA` tokens are sent to the contract deployer or one or several externally-owned account (EOA) addresses. This is a centralization risk because the deployer or the owner(s) of the EOAs can distribute tokens without obtaining the consensus of the community. Any compromise to these addresses may allow a hacker to steal and sell tokens on the market, resulting in severe damage to the project.

Recommendation

It is recommended that the team be transparent regarding the initial token distribution process. The token distribution plan should be published in a public location that the community can access. The team should make efforts to restrict access to the private keys of the deployer account or EOAs. A multi-signature (⅔, ⅗) wallet can be used to prevent a single point of failure due to a private key compromise. Additionally, the team can lock up a portion of tokens, release them with a vesting schedule for long-term success, and deanonymize the project team with a third-party KYC provider to create greater accountability.

Alleviation

[AgentLISA, 12/17/2025]: Detailed token distribution information has been published on https://agentlisa.ai/whitepaper; Initial distribution are all in 4/6 Multisig safes. The locked portion will be transferred into a vesting contract.

[CertiK, 12/17/2025]: The team adopted the multisign solution to ensure the private key management process at the current stage. The contract has transferred the ownership to a Gnosis Safe contract with 4/6 signers in the sensitive function signing process.

- Gnosis safe contract address: 0x5286bc845ace7cf9d480fee07bf4961d2a6d0c7c
- The 6 multisign addresses:
    - bnb:0x09ec0C8f9cEE5aF54065173756A86910969e7482
    - bnb:0x54dbc8358166c479E26d5b95D827D7bD17958aDf
    - bnb:0x3B7ABB1a145BA62368d1DD079dd34F8443f47D74
    - bnb:0x81b0CF535AECA4386CD2FF3C9ED5cEe295A890E1
    - bnb:0x2F19b7bE1cF5a9ffDD35015a0f1e407E66E645c5
    - bnb:0x0585db0BAB5510Db175f431D8C4efaAbBEb9312D

AGL-02 | Centralized Control Of Contract Upgrade

Category	Severity	Location	Status
Centralization	● **Centralization**	**src/LISAToken.sol: 73**	● **Disabled**

Description

In the proxy contract, the privileged role owner has the authority to update the implementation contract behind the proxy contract.

Any compromise to the privileged account may allow a hacker to take advantage of this authority and change the implementation contract, which is pointed by proxy, and therefore execute potential malicious functionality in the implementation contract.

Recommendation

We recommend that the team make efforts to restrict access to the admin of the proxy contract. A strategy of combining a time-lock and a multi-signature (⅔, ⅗) wallet can be used to prevent a single point of failure due to a private key compromise. In addition, the team should be transparent and notify the community in advance whenever they plan to migrate to a new implementation contract.

Here are some feasible short-term and long-term suggestions that would mitigate the potential risk to a different level and suggestions that would permanently fully resolve the risk.

Short Term:

A combination of a time-lock and a multi signature (⅔, ⅗) wallet mitigate the risk by delaying the sensitive operation and avoiding a single point of key management failure.

- A time-lock with reasonable latency, such as 48 hours, for awareness of privileged operations;
  AND
- Assignment of privileged roles to multi-signature wallets to prevent a single point of failure due to a private key compromised;
  AND
- A medium/blog link for sharing the time-lock contract and multi-signers addresses information with the community.

For remediation and mitigated status, please provide the following information:

- Provide the deployed time-lock address.
- Provide the **gnosis** address with **ALL** the multi-signer addresses for the verification process.
- Provide a link to the **medium/blog** with all of the above information included.

Long Term:

A combination of a time-lock on the contract upgrade operation and a DAO for controlling the upgrade operation mitigate the contract upgrade risk by applying transparency and decentralization.

- A time-lock with reasonable latency, such as 48 hours, for community awareness of privileged operations;
  AND
- Introduction of a DAO, governance, or voting module to increase decentralization, transparency, and user involvement;
  AND
- A medium/blog link for sharing the time-lock contract, multi-signers addresses, and DAO information with the community.

For remediation and mitigated status, please provide the following information:

- Provide the deployed time-lock address.
- Provide the **gnosis** address with **ALL** the multi-signer addresses for the verification process.
- Provide a link to the **medium/blog** with all of the above information included.

Permanent:

Renouncing ownership of the `admin` account or removing the upgrade functionality can *fully* resolve the risk.

- Renounce the ownership and never claim back the privileged role;
  OR
- Remove the risky functionality.

Note: we recommend the project team consider the long-term solution or the permanent solution. The project team shall make a decision based on the current state of their project, timeline, and project resources.

Alleviation

[AgentLISA, 12/17/2025]: Issue acknowledged. We have taken the permanent remediation solution by renouncing the ownership of the toke. contract. transaction: https://bscscan.com/tx/0x67a50823a2d1476c6d0ab841fed424e5104aa8e10973dbc38c0659ea13e77433

[CertiK, 12/17/2025]: The issue has been resolved by renouncing the owner in the deployment:

- Proxy: https://bscscan.com/token/0x0aa9d742a1e3c4ad2947ebbf268afa15d7c9bfbd
- LisaToken implementation: https://bscscan.com/address/0xcdff1254e685d5a670edba59bd3a9865d6c4e413

APPENDIX | AGENTLISA - LISATOKEN

Finding Categories

Categories	Description
Centralization	Centralization findings detail the design choices of designating privileged roles or other centralized controls over the code.

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