



Cyberium Audit

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This document is the audit of Cyberium smart contracts performed by SMCAuditors.

1. Executive Summary

Cyberium is a sport metaverse, an all-in-one virtual platform, offering triple-a-graphic game plays, original in-game story that allow users free-to-experience, to engage and to earn. This report was written to provide a security audit for Cyberium (<https://www.cyberium.world>) smart contracts on Binance Smart Chain and Github. SMCAuditors conducted the audit focusing on whether Cyberium smart contracts are designed and implemented without any security vulnerabilities. The addresses are listed below with their link.

- BREAK token:
<https://bscscan.com/address/0x9c6111565A31BD89B77A2f7C5D4b307cB6854161>
- ESPN Token:
<https://bscscan.com/address/0x43B4Ab6231b7E4d1fAacc8F22c66113dec7280A1>
- Box NFT contract:
<https://github.com/CyberEight/smart-contracts-public/blob/main/contracts/erc721/Box.sol>

- Cue NFT contract:
<https://github.com/CyberEight/smart-contracts-public/blob/main/contracts/erc721/Cue.sol>

We have run an extensive static analysis of the codebase as well as standard security assessment utilizing industry-approved tools. There are no critical/high-level issues with the currently deployed token contracts and NFT contracts on github repo. Our low-level and medium level findings are available in the next section.

2. Audit Findings

Low Level Findings

- ❖ Cue NFT and Box NFT contracts have pause functions. Pause function may be necessary according to current or future use cases of the contract. In any case, consider renouncing contract ownership after deployment.
- ❖ `_boxOfTokenId` on Cue NFT and Box NFT contracts needs to be deleted when burning the token. Consider removing `_boxOfTokenId` from *Box* storage in the *burn* function.
- ❖ Deployed BREAK token is a proxy contract. The ownership is not renounced and the token is pausable. It is the reward token of the platform so they are acceptable, but consider using multisig wallet for proxy operations.

Medium Level Findings

- ❖ Deployed ESPN contract owner can mint tokens, can pause ESPN token transfers and disable the bot. ESPN is the main token of the platform so putting this much power on the token owner risks security. However this may be acceptable according to token's use case of bot protection and future needs of the platform. In any case, consider renouncing contract ownership or assign ownership to multisig wallet.

3. Conclusion

In this audit, we thoroughly analyzed the Cyberium smart contracts and no critical/high-level issues were found.

4. Disclaimer

This report is not advice on investment, nor does it guarantee the adequacy of a business model and/or a bug-free code. This report should be used only to discuss known technical problems. It will be necessary to resolve addressed issues and conduct thorough tests to ensure the safety of the smart contract.