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SOLUTIONS

Smart Contract Security Audit

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Audit Details

Project Name	Live Crypto Party
 Audited project	Live Crypto Party
 Deployer Address	0x7080E2F7eC48835933b34e2d5025c9Daf951Ba7f
 Client Contact	LCP Team
 Blockchain	Binance Smart Chain
 Project Website	www.livecryptoparty.com

Disclaimer

Bloctech Solutions team conducts security assessments on the provided source code exclusively. To get a full view of our analysis, you must read the full report.

We have done our best in conducting our analysis and producing In this report, it is important to note that you should not rely on this report and cannot claim against us based on what it says or does not say, or how we produced it, and you need to conduct your independent investigations before making any decisions. The audit documentation is for discussion purposes only.

The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

This report has been prepared for the LCP Token Contract to discover issues and vulnerabilities in the source code as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Static Analysis and Manual Review techniques.

The auditing process pays special attention to the following considerations:

- 1.Ensure that the smart contract functions as intended.**
- 2.Identify potential security issues with the smart contract.**
- 3.Ensuring contract logic meets the specifications and intentions of the client.**

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improving the security.

Contracts Details

Token contract details for 10.11.2021

Contract Name	Live Crypto Party
Contract Address	0x3DFA9b7cB5944c3DbA51ed7467F3069909860666
Total Supply	1,000,000,000
Token Ticker	Live Crypto Party (LCP)
Decimals	9
Contract's Current Owner Address	0x7080E2F7eC48835933b34e2d5025c9Daf951Ba7f

Contract Write Functions

- **Enable Trading**
- **Approve**
- **Decrease Allowance**
- **Increase Allowance**
- **Renounce Ownership**
- **Transfer**
- **Transfer From**
- **Transfer Ownership**

Issues Checking Status

Issue description	Checking status
1. Compiler errors.	Passed
2. Timestamp dependence.	Passed
3. Integer Overflow and Underflow.	Passed
4. DoS with Revert.	Passed
5. DoS with block gas limit.	Passed
6. Methods execution permissions.	Passed
7. Fallback function security.	Passed
8. Malicious Event log.	Passed
9. Scoping and Declarations.	Passed
10. Uninitialized storage pointers.	Passed
11. Arithmetic accuracy.	Passed
12. Design Logic.	Passed
13. Safe Open Zeppelin contracts implementation and usage.	Low Issue
14. Owner Priviledge	Low Issue

Security Issues

✓ **High Severity Issues**
No high severity issues found.

✓ **Medium Severity Issues**
No medium severity issues found.

⚠ **Low Severity Issues**

1. Math Error

Issue:

This contract does not include SafeMath library so that, there can be overflow and underflow error. This is low severity issue, but it is better to use SafeMath library for calculations.

```
        _balances[sender] = senderBalance - amount;
    }
    _balances[recipient] += amount;

    emit Transfer(sender, recipient, amount);
```

2. Owner privileges

Turn on Trading

Turn off Trading

There is a condition on trading it on pancake swap, Owner can turn on or turn off the trading on pancakeswap. So there is owner privilege in this contract on this specific condition.

```
require(sender != address(0), "BEP20: transfer from the zero address");
require(recipient != address(0), "BEP20: transfer to the zero address");
if (!_tradingOpen && sender != owner() && recipient != owner()) {
    require(recipient != pancakePair, "Trading is not enabled");
    require(sender != pancakePair, "Trading is not enabled");
}
```


Conclusion

Audit Findings

1. No High Severity Issue has been found in the LCP Contract
2. No Medium Severity Issue has been found in the LCP Contract
3. 2 Low Severity Issues has been found in the LCP Contract

- Math Error
- Owner Privileges

Both Issues have no direct impact on the overall functionality of the Token Contract. LCP Development Team acknowledged the Issues and have clear Discussions about them.

Note: The report is provided for the contract mentioned in the report only and does not include any other potential contracts deployed by the Owner.



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