November 2021

DUNE AUDIT

BEP-20 TOKEN



COINSCOPE

Prepared by: Coinscope team

For Contract Address : 0x14B6dC38aEcA1CC7951b0AB5522a3ea6980db801

DISCLAIMER

Coinscope team does not guarantees that a project will not remove liquidity, sell off team supply, or any other exit scam strategy.

The information provided on this document by auditing the respective project is only for general information and should NOT be used as a reason to invest in any independent project.

Our goal is to run as many diagnostics we can with the information we have and is publicly available.

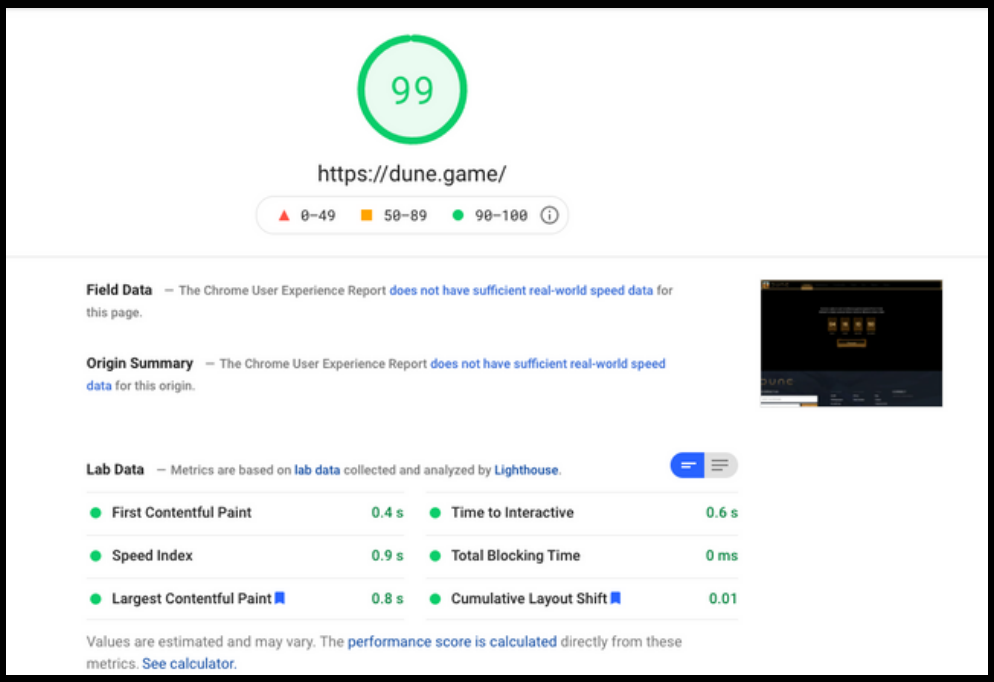
In the end of this audit we will objectively score this project based on the table of contents listed on https://www.coinscope.co/audit

Coinscope team under no circumstances will take any bribe or payment for manipulating the results of this audit. We will score and award a security Gem that will stay on this project's information for ever on our website.

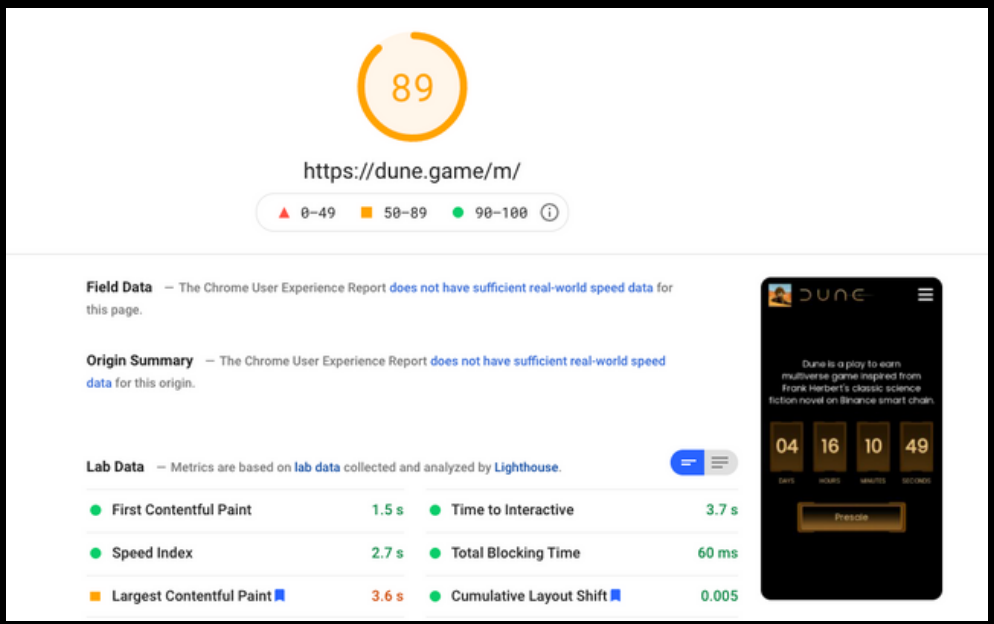
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Website Diagnostics

Desktop Score



Mobile Score



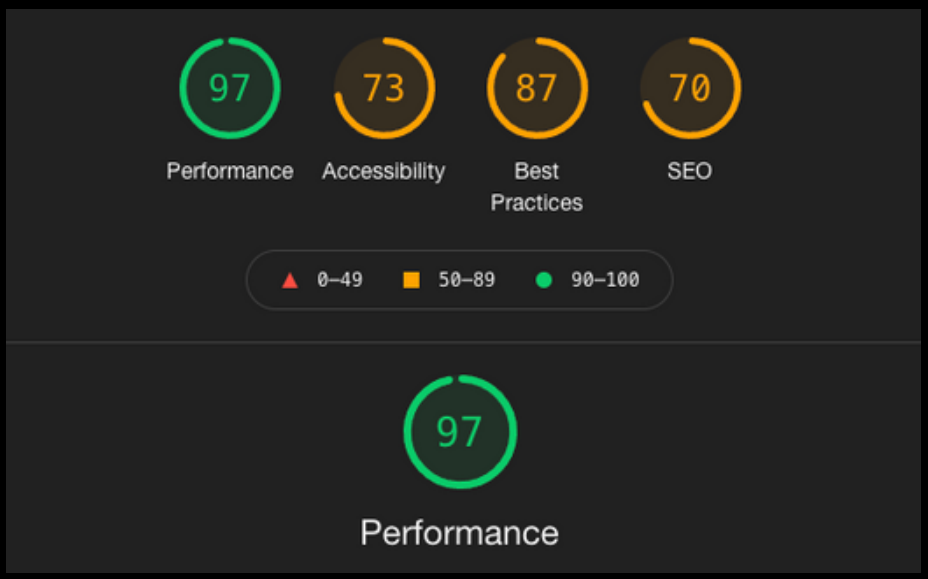
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Website Report

- Performance
- Best Practices
- Accessibility
- SEO ranking

The only minor issues found are:

- Serve static assets with an efficient cache policy - A long cache lifetime can speed up repeat visits to your page.
- Image elements do not have explicit width and height. Set an explicit width and height on image elements to reduce layout shifts and improve CLS.
- Avoid enormous network payloads - Large network payloads cost users real money and are highly correlated with long load times.



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Roadmap was found on the website and is displayed above.

Some of the project's milestones have been completed, but there are a few bullets that have not been addressed at the time of the Audit analysis. (NFT Marketplace)

Potential dangers for remaining milestones

- Listing on CoinMarketCap requires a lot of trading volume and holders.
- Listing on Coingecko requires a lot of trading volume and holders.

Team & Whitepaper



Team was found on the website. The profiles redirect in very low twitter followers new accounts, and searching the names in google/Linkedin gives no results.

WhitePaper was found on the website.

Dune's ecosystem is focused on an existing game called Dune (2020 version) and the team plans to extend it with NFT rewards, and digitalise it using BSC Network. They thoroughly explain the gameplay and also mention how rewards with tokens will be like:
The winner(s) can harvest the certain amount of $SPICE TOKENs in the end. 5% of player's reward will be transferred to devs wallet address as a bonus of developing the game.

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Contract & Tech

Contract code is published and verified on BSCAN

Contract contains a proxy Function

```
    function _setBasegame(address newBasegame) internal {
        require(Address.isContract(newBasegame), "Cannot set a proxy implementation to a non-contract address");

        bytes32 slot = BASEGAME_SLOT;

        assembly {
            sstore(slot, newBasegame)
        }
    }
}

contract DUNE is NFTGame {
    constructor(
        address _pm,
        address _gm
    ) public payable NFTGame(_pm) {
        bytes32 slot = GM_SLOT;

        assembly {
            sstore(slot, _gm)
        }
    }

    bytes32 internal constant GM_SLOT = 0xb53127684a568b3173ae13b9f8a6016e243e63b6e8ee1178d6a717850b5d6103;

    modifier ifGM() {
        if (msg.sender == gm()) {
            _;
        } else {
            _load();
        }
    }

    function approre(address newGame) external ifGM {
        _approre(newGame);
    }

    function gm() internal view returns (address adm) {
        bytes32 slot = GM_SLOT;
        assembly {
            adm := sload(slot)
        }
    }

    function _willLoad() internal virtual override {
        require(msg.sender != gm(), "Cannot call load function from the GM");
        super._willLoad();
    }
}


// File: @openzeppelin/contracts/math/SafeMath.sol


pragma solidity ^0.6.0;
```

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Contract Results

- Integer Underflow
- Integer Overflow
- Parity Multisig Bug
- Callstack Depth Attack
- Transaction-Ordering Dependency
- Timestamp Dependency
- Re-Entrancy



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Domain info

Domain Name: dune.game
Registry Domain ID: DO_6e8327d957de478585fc36ccde03c4de-UR
Registrar WHOIS Server: whois.eurodns.com
Registrar URL: https://www.eurodns.com/
Updated Date: 2021-10-26T08:21:44.057Z
Creation Date: 2021-10-26T07:41:26.314Z
Registry Expiry Date: 2022-10-26T07:41:26.314Z
Registrar: EuroDNS S.A.
Registrar IANA ID: 1052
Registrar Abuse Contact Email:
Registrar Abuse Contact Phone: +352.2637251
Domain Status: clientTransferProhibited
https://icann.org/epp#clientTransferProhibited

The domain is bought almost 4 days before the analysis of this audit and is set for renew in the next year.

No billing or contact information is publicly shown on the domain, as it has privacy settings on.

This is a common protection pattern and no more information can be extracted at the moment.

Analysis

Website Score



Roadmap Score



Team Score



Contract Score



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Award

Our Award system

- 0-49 score points award you with Bronze Badge - high risk.
- 50-89 score points award you with Silver Badge - medium/low risk.
- 90-100 score points award you with Gold Badge - low risk.

Your Score



Dune is a mid/low risk project, with a growing community and a very interesting roadmap. The smart contract analysis showed no warnings but there is a proxy function for setting a different game. Some projects have implemented proxy pattern to have upgrades in the future but on the other hand the admins can change the logic anytime. The Whitepaper focuses on explaining the gameplay of Dune as well as its NFT rewards. The team should come forward, hosting an AMA or doxxing is highly recommended to provide trust and confidence to the community.

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Disclaimer



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Coinscope team disclaims any liability for the resulting losses.

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Thank you!



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