September 2021

# SANDPRO AUDIT

**BEP-20 TOKEN**



**COINSCOPE**

Prepared by: Coinscope team
For Contract Address : 0x6a2560645075e50cd5585591396e033022661FF1

# 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.
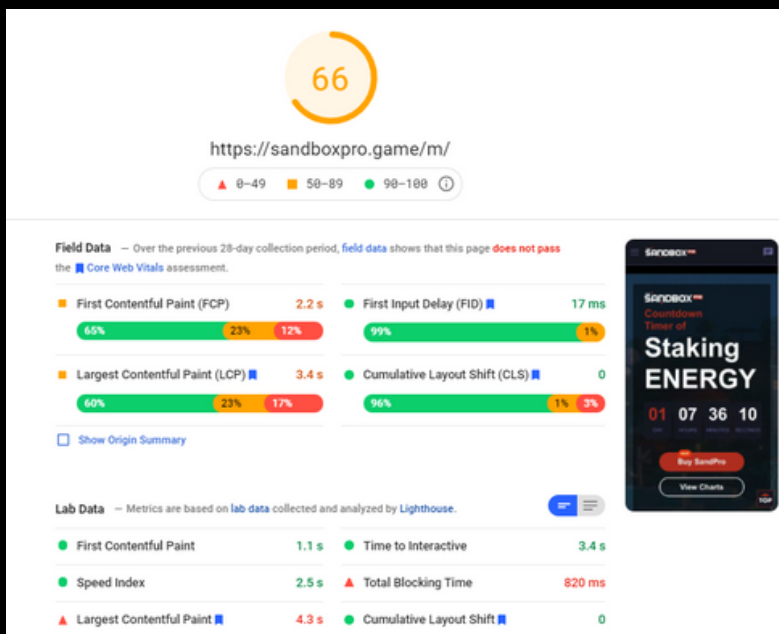
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# Website Diagnostics

## Desktop Score
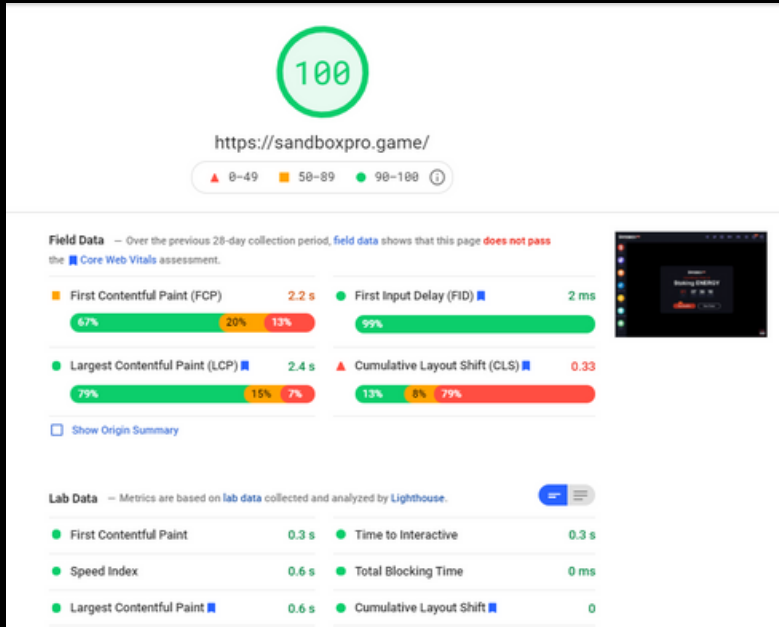


## Mobile Score

# Website Report

- Performance ✓
- Best Practices ✓
- Accessibility ✓
- SEO ranking ✓

The only minor issues found are:

- Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.
- Properly size images. Serve images that are appropriately-sized to save cellular data and improve load time.



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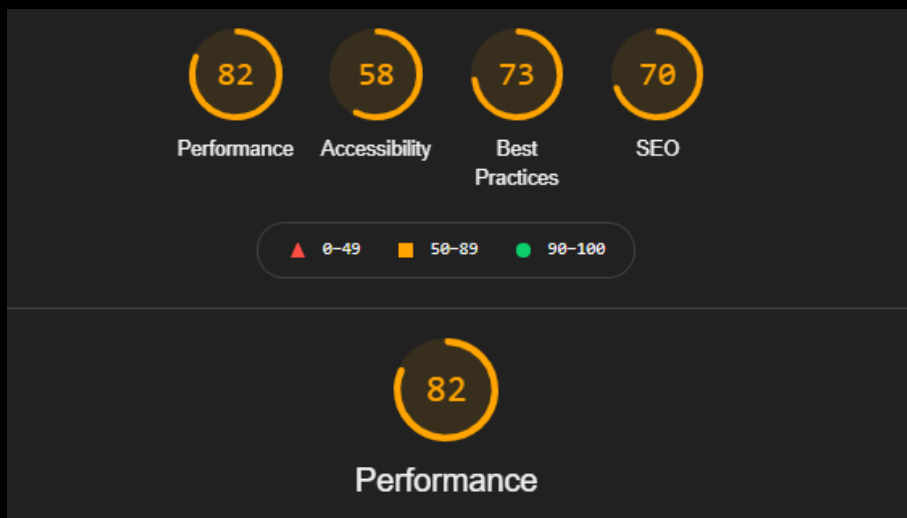
# Roadmap



Roadmap was found on the website and is displayed above. All milestones are on track so far and they are heading to the next phase of their plan.

Energy staking function is the next target in the project's roadmap, after that publishing SandBox Pro demo version and launching the first game Island.

The goals are realistic and the project is very interesting.

# Team Analysis

| | Robert<br>CEO | Eduction:<br>Carnegie Mellon University<br>Major:<br>Computer Science<br>Work experience:<br>Microsoft 6 years | | William<br>CFO | Eduction:<br>Columbia University<br>Major:<br>Accounting<br>Work experience:<br>Freeland 8 years | | Thomas<br>CTO | Eduction:<br>UCLA<br>Major:<br>Computer Science<br>Work experience:<br>Microsoft 3 years |
|---|---|---|---|---|---|---|---|---|

Team was found on the website and is shown above.

No social profiles were found or given by the team to verify their identities. This is not a blocker as many project owners will decide to come forward later.

The team has hosted an AMA here to provide more confidence to the community and answer related questions.

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# Contract & Tech

✔ Contract code is published and verified on BSCAN

⚠ Contract contains a proxy function

```
/**
 * @dev Same as {xref-Address-functionCallWithValue-address-bytes-uint256-}[`functionCallWithValue`], but
 * with `errorMessage` as a fallback revert reason when `target` reverts.
 *
 * _Available since v3.1._
 */
function functionCallWithValue(
    address target,
    bytes memory data,
    uint256 value,
    string memory errorMessage
) internal returns (bytes memory) {
    require(address(this).balance >= value, "Address: insufficient balance for call");
    return _functionCallWithValue(target, data, value, errorMessage);
}

function _functionCallWithValue(
    address target,
    bytes memory data,
    uint256 weiValue,
    string memory errorMessage
) private returns (bytes memory) {
    require(isContract(target), "Address: call to non-contract");

    // solhint-disable-next-line avoid-low-level-calls
    (bool success, bytes memory returndata) = target.call{value: weiValue}(data);
    if (success) {
        return returndata;
    } else {
        // Look for revert reason and bubble it up if present
        if (returndata.length > 0) {
            // The easiest way to bubble the revert reason is using memory via assembly

            // solhint-disable-next-line no-inline-assembly
            assembly {
                let returndata_size := mload(returndata)
                revert(add(32, returndata), returndata_size)
            }
        } else {
            revert(errorMessage);
        }
    }
}
```

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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: sandboxpro.game
Registry Domain ID: DO_add994abf95b4528c41696a2bba8206e-UR
Registrar WHOIS Server: whois.dynadot.com
Registrar URL: www.dynadot.com
Updated Date: 2021-09-04T04:17:25.580Z
Creation Date: 2021-08-30T04:16:46.853Z
Registry Expiry Date: 2022-08-30T04:16:46.853Z
Registrar: Dynadot, LLC
Registrar IANA ID: 472

The domain is bought almost 20 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 not a blocker as the team was transparent enough with their identities .

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# Analysis

Website Score — **19/20**

Roadmap Score — **4/5**

Team Score — **8/10**
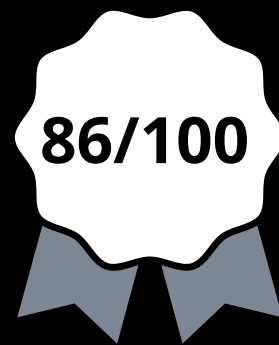
Contract Score — **55/65**

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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

**86/100**

SANDPRO is a low risk project, with a friendly community and a great market cap. The smart contract analysis showed no warnings, but there is a proxy function. Some tokens have implemented a proxy pattern to allow future upgrades. On the other hand, token admin can change the logic anytime. The roadmap is very promising, and the team is constantly delivering new features and announcements.

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# Disclaimer

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# Thank you!



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