# Coinsult

# Advanced Manual
# Smart Contract Audit

**WALK'N**

**Project:** Walkn

**Website:** https://walkn.app/

🟢 **Low-Risk**

1 low-risk code
issues found

🟡 **Medium-Risk**

0 medium-risk code
issues found

🔴 **High-Risk**

0 high-risk code
issues found

**Contract Address**

0x904160F6E18D90882e85c9AC0475ef3412241723

# Disclaimer

# Tokenomics

| Rank | Address | Quantity (Token) | Percentage |
|------|---------|------------------|------------|
| 1 | 0x12770c7feafde5d8881facc427bc6f2f7bbadad7 | 5,000,000,000 | 100.0000% |

# Source Code

Coinsult was comissioned by Walkn to perform an audit based on the following smart contract:

https://bscscan.com/address/0x904160f6e18d90882e85c9ac0475ef3412241723#code

# Manual Code Review

In this audit report we will highlight all these issues:

🟢 **Low-Risk**

1 low-risk code
issues found

🟡 **Medium-Risk**

0 medium-risk code
issues found

🔴 **High-Risk**

0 high-risk code
issues found

The detailed report continues on the next page...

● **Low-Risk:** Could be fixed, will not bring problems.

## Too many digits

Literals with many digits are difficult to read and review.

```
constructor(address taxAccount, uint256 maxTaxAmount) ERC20("WalkN", "WALKN") {
    require(taxAccount != address(0), "taxAccount_ can't be the zero address");
    _mint(msg.sender, 5000000000 * 10 ** decimals());
    _taxAddress = taxAccount;
    _maxTax = maxTaxAmount;
    _buyTax = maxTaxAmount;
    _sellTax = maxTaxAmount;
}
```

## Recommendation

Use: Ether suffix, Time suffix, or The scientific notation

## Exploit scenario

```
contract MyContract{
    uint 1_ether = 10000000000000000000;
}
```

While 1_ether looks like 1 ether, it is 10 ether. As a result, it's likely to be used incorrectly.

# Owner privileges

- 🟢 Owner cannot set fees higher than 25%

- 🟢 Owner cannot change max transaction amount

- 🟡 Owner can exclude from fees

- 🟡 Owner can pause the contract

- 🔴 Owner can blacklist addresses

- ⚠️ Owner can remove pool address

# Extra notes by the team

No notes

# Contract Snapshot

```solidity
contract WalkN is ERC20, ERC20Burnable, Pausable, Ownable {


    mapping(address => bool) private _whitelist;
    address private _taxAddress;
    uint256 private immutable _maxTax;
    uint256 private _buyTax;
    uint256 private _sellTax;
    mapping(address => bool) private _isPool;
    mapping(address => bool) private _blacklist;
```

# Website Review

Coinsult checks the website completely manually and looks for visual, technical and textual errors. We also look at the security, speed and accessibility of the website. In short, a complete check to see if the website meets the current standard of the web development industry.
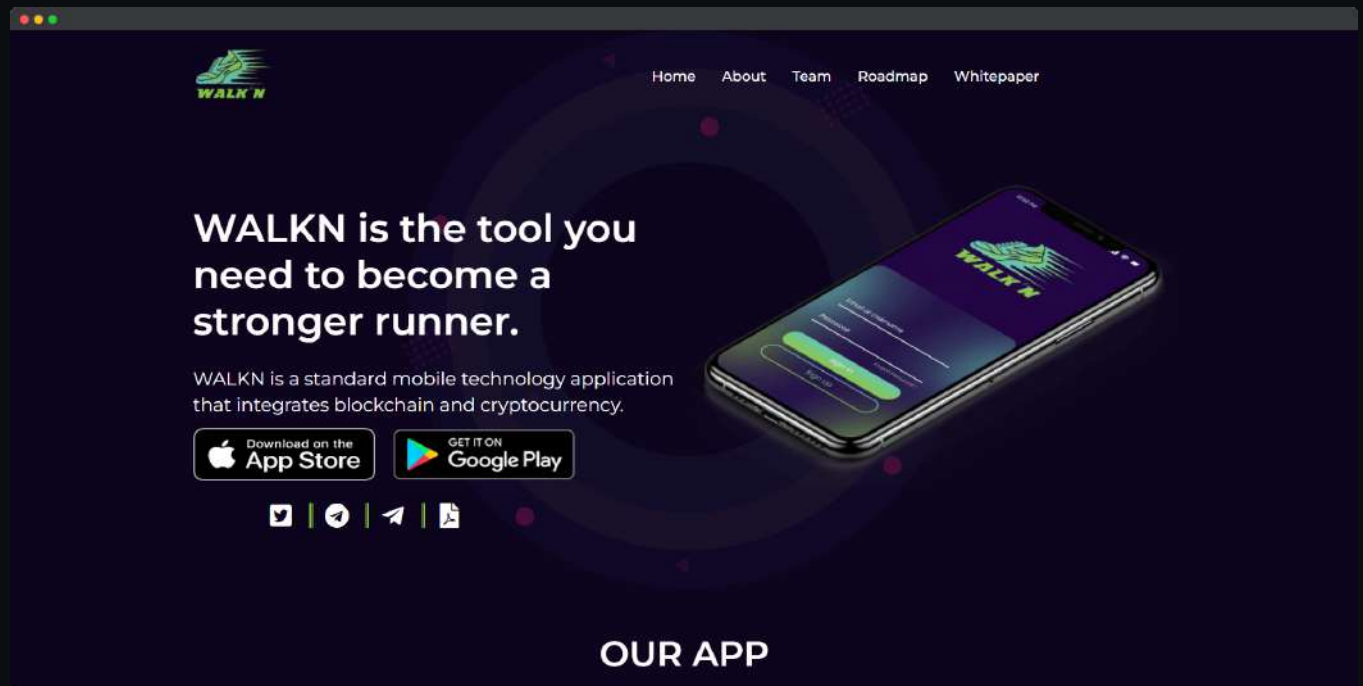


- Mobile Friendly

- Does not contain jQuery errors

- SSL Secured

- No major spelling errors

# Project Overview

🟡 Not KYC verified by Coinsult