



Security Assessment

FUSDEXchange Dapp

Verified on 07/15/2025

SUMMARY

Project

FUSD

CHAIN

Binance Smart Chain

METHODOLOGY

Manual & Automatic Analysis

FILES

Single

DELIVERY

07/15/2025

TYPE

Dapp Audit



2

0

0

1

0

1

0

Total Findings

Critical

Major

Medium

Minor

Informational

Resolved

 0 Critical

An exposure that can affect the dapp's functions in several events that can risk and disrupt the code

 0 Major


An opening & exposure to manipulate the code in an unwanted manner

 0 Medium

An opening that could affect the outcome in executing the code in a specific situation

 1 Minor

An opening but doesn't have an impact on the functionality of the code

 1 Informational

An opening that consists information but will not risk or affect the code

 0 Resolved

ContractWolf's findings has been acknowledged & resolved by the project

STATUS
 **AUDIT PASSED**

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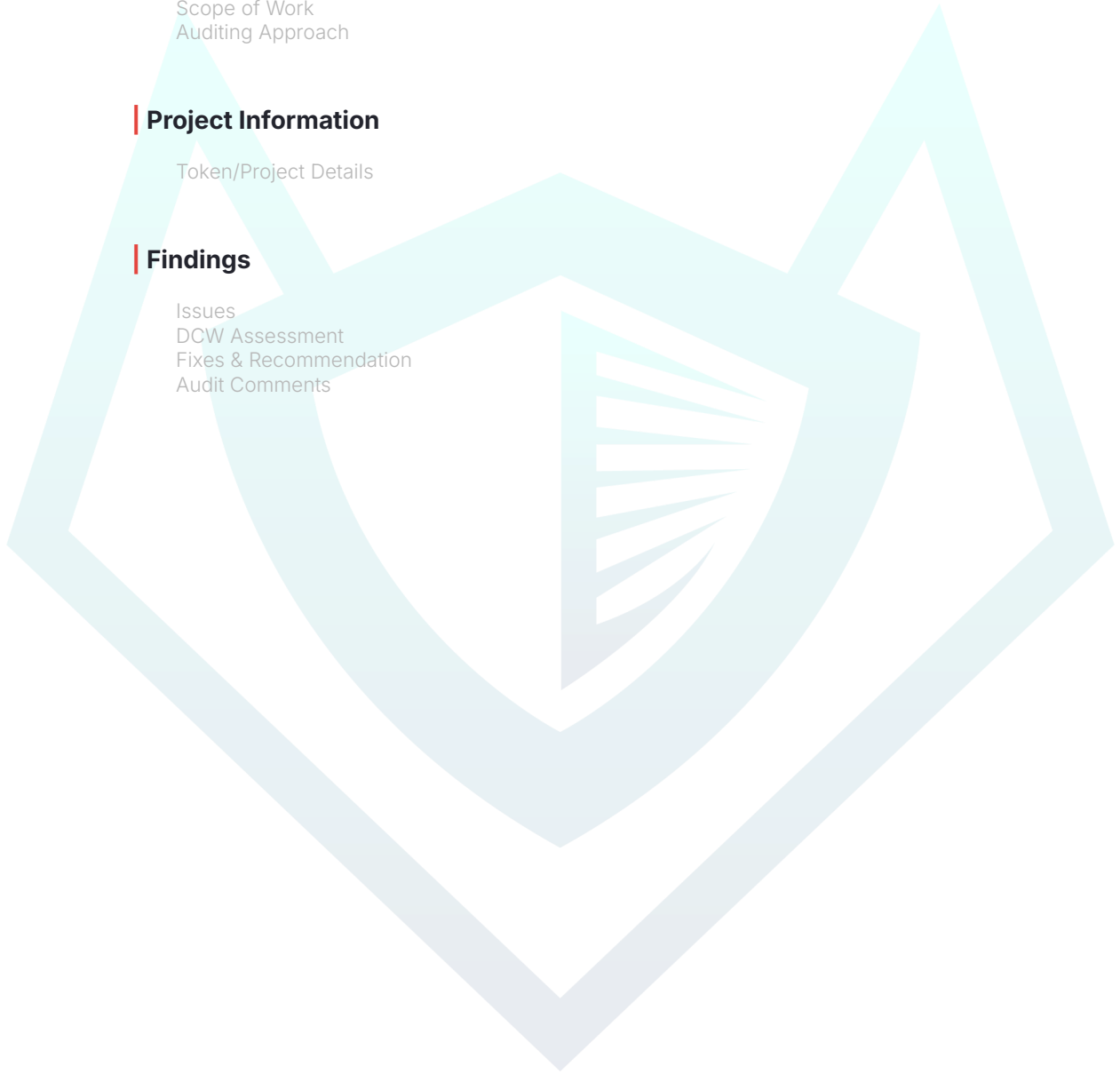
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DISCLAIMER | FUSDEXchange Dapp

ContractWolf audits and reports should not be considered as a form of project's "Advertisement" and does not cover any interaction and assessment from "Project Code" to "External Code"

ContractWolf does not provide any warranty on its released report and should not be used as a decision to invest into audited projects.

ContractWolf provides a transparent report to all its "Clients" and to its "Clients Participants" and will not claim any guarantee of bug-free code within its **DAPP**.

ContractWolf's presence is to analyze, audit and assess the Client's Dapp to find any underlying risk and to eliminate any logic and flow errors within its code.

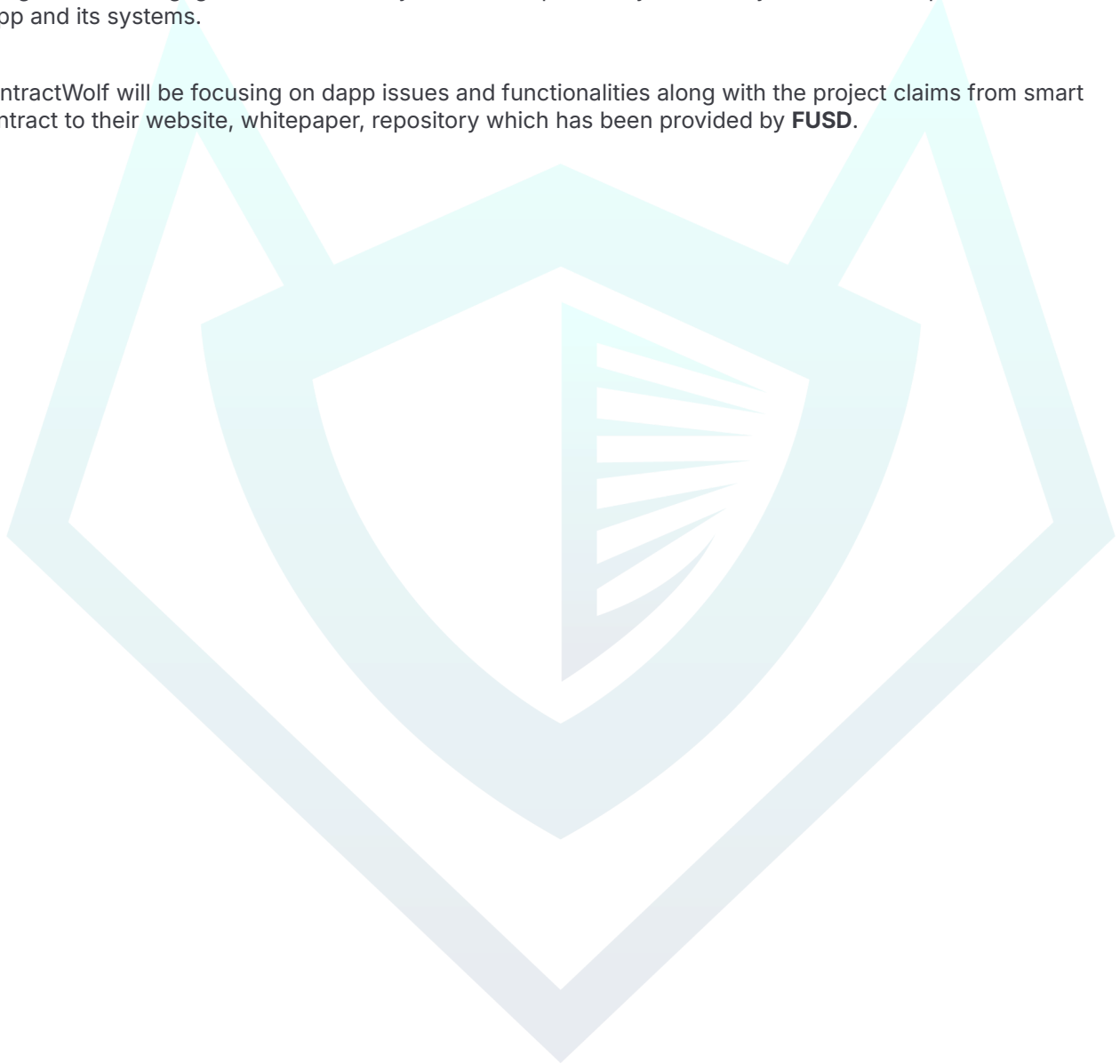
Each company or project should be liable to its security flaws and functionalities.

SCOPE OF WORK | FUSDEXchange Dapp

FUSD's team has agreed and provided us with the files that need to be tested. The scope of audit is the main dapp.

The goal of this engagement is to identify if there is a possibility of security flaws in the implementation of dapp and its systems.

ContractWolf will be focusing on dapp issues and functionalities along with the project claims from smart contract to their website, whitepaper, repository which has been provided by **FUSD**.



AUDITING APPROACH | FUSDEXchange Dapp

Every line of code along with its functionalities will undergo manual review to check for security issues, quality of logic and dapp scope of inheritance. The manual review will be done by our team that will document any issues that they discovered.

METHODOLOGY

The auditing process follows a routine series of steps :

1. Code review that includes the following :
 - Review of the specifications, sources and instructions provided to ContractWolf to make sure we understand the size, scope and functionality of the DAPP.
 - Manual review of code. Our team will have a process of reading the code line-by-line with the intention of identifying potential vulnerabilities, underlying and hidden security flaws.
2. Testing and automated analysis that includes :
 - Testing the DAPP's function with common test cases and scenarios to ensure that it returns the expected results.
3. Best practices and ethical review. The team will review the dapp with the aim to improve efficiency, effectiveness, clarifications, maintainability, security and control within the dapp.
4. Recommendations to help the project take steps to eliminate or minimize threats and secure the dapp.

DAPP DETAILS | FUSDEXchange Dapp



The World's Leading Appreciating Stable Coin.

SOURCE

Source

Sent Via local-files

FINDINGS | FUSDEXchange Dapp



2

0

0

0

1

1

0

Total Findings

Critical

Major

Medium

Minor

Informational

Resolved

This report has been prepared to state the issues and vulnerabilities for FUSD Dapp through this audit. The goal of this report findings is to identify specifically and fix any underlying issues and errors

Frontend

ID	Title	File & Line #	Severity	Status
DCW-014	Missing Transaction Status	TransactionTable.ts L: 21	Informational	<ul style="list-style-type: none"> Pending
DCW-019	Incorrect Method Name	ExchangeManager.ts, L : 138	Minor	<ul style="list-style-type: none"> Pending

PENETRATION ATTACKS | FUSDEXchange Dapp

Dapp Weakness Classification and Test Cases

ID	Description	Status
DCW-001	Malware Scan	● Passed
DCW-002	Phishing	● Passed
DCW-003	Missing HTTP Headers	● Passed
DCW-004	Valid SSL Certificate	● Passed
DCW-005	Firewalls(Drop & Deny)	● Passed
DCW-006	Potential SQL Injection	● Passed
DCW-007	Framework Version	● Passed
DCW-008	Gas Griefing	● Passed
DCW-009	Address Approval	● Passed
DCW-010	Address Draining	● Passed
DCW-011	Insecure API Usage	● Passed
DCW-012	Error Handling	● Passed
DCW-013	Memory Leak	● Passed
DCW-014	Lack of Input Validation	● Informational
DCW-015	Potential Backdoor	● Passed
DCW-016	Sensitive Data Exposure	● Passed
DCW-017	Request Limit	● Passed
DCW-018	Overflow or Precision Loss	● Passed
DCW-019	Unintended Behavior	● Minor

FIXES & RECOMMENDATION

DCW-014 | Missing Transaction Status (TransactionTable.tsx)

All transactions shown as **"Successful"** regardless of actual status.

Recommendation:

Check or implement transaction receipts inside useEffect()

```
const receipt = await provider.getTransactionReceipt(e.transactionHash);  
const status = receipt.status === 1 ? "Successful" : "Failed";
```

DCW-019 | Incorrect Method Name for Price (ExchangeManager.ts)

The contract exposes `getCurrentPrice()`, not `currentPrice()`, so this will throw "method not found."

Recommendation :

Fix the code by changing it based on the read function of the contract

```
async getCurrentPrice() {
  try {
    const price = await this.exchangeContract.getCurrentPrice();
    return price.toString();
  } catch (err) {
    console.error("Error fetching current price", err);
    return "0";
  }
}
```

AUDIT COMMENTS | FUSDEXchange Dapp

Dapp audit comment for a non-technical perspective

- Project has been marked as SAFE to be interacted with by any EVM wallets (07-15-2025)
- DAPP has no backdoors
- DAPP cannot drain wallets via approval





CONTRACTWOLF

Blockchain Security - Smart Contract Audits