

SMART CONTRACT AUDIT

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PREPARED FOR

ACE



INTRODUCTION

Auditing Firm	InterFi Network
Client Firm	ACE
Methodology	Automated Analysis, Manual Code Review
Language	Solidity
Contract	0x80a0FefB889DDB17d46c647F085238C07d19C1Bb
Blockchain	Binance Smart Chain
Centralization	Active ownership
Commit F INT	08545b0c1ad60f2d630eca7f74b59c00354c59cc INTERF INTERF
Website	https://bababsc.club/
Twitter	https://twitter.com/baba_bsc
Report Date	May 23, 2023

I Verify the authenticity of this report on our website: https://www.github.com/interfinetwork



EXECUTIVE SUMMARY

InterFi has performed the automated and manual analysis of solidity codes. Solidity codes were reviewed for common contract vulnerabilities and centralized exploits. Here's a quick audit summary:

Status	Critical	Major 🛑	Medium 🔵	Minor	Unknown
Open	1	2	4	5	0
Acknowledged	0	0	1	2	1
Resolved	1	0	0	0	0
Blacklist (Can Eat, Hunary, Not Hunary), Airdrop, L (Launch), Set Kill Num				Set Kill Num	

Critical • Privileges Blacklist (Can Eat, Hungry, Not Hungry), Airdrop, L (Launch), Set Kill Num (Bot Protection), Set Fees, Process Dividend Tracker, Set Pair and Router, Update Dividend Tracker

Please note that smart contracts deployed on blockchains aren't resistant to exploits, vulnerabilities and/or hacks. Blockchain and cryptography assets utilize new and emerging technologies. These technologies present a high level of ongoing risks. For a detailed understanding of risk severity, source code vulnerability, and audit limitations, kindly review the audit report thoroughly.

Please note that centralization privileges regardless of their inherited risk status - constitute an elevated impact on smart contract safety and security.



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SCOPE OF WORK

InterFi was consulted by ACE to conduct the smart contract audit of their solidity source codes. The audit scope of work is strictly limited to mentioned solidity file(s) only:

- o ACE.sol
- If source codes are not deployed on the main net, they can be modified or altered before mainnet deployment. Verify the contract's deployment status below:

Public Contract Link			
https://bscscan.com/address/0x80a0FefB889DDB17d46c647F085238C07d19C1Bb#code			
Contract Name	IACE ERFLINTERFLINTERFLINTERFLINTERFL		
Compiler Version	0.6.12		
License	MIT		



AUDIT METHODOLOGY

Smart contract audits are conducted using a set of standards and procedures. Mutual collaboration is essential to performing an effective smart contract audit. Here's a brief overview of InterFi's auditing process and methodology:

CONNECT

The onboarding team gathers source codes, and specifications to make sure we understand the size, and scope of the smart contract audit.

AUDIT

- Automated analysis is performed to identify common contract vulnerabilities. We may use the following third-party frameworks and dependencies to perform the automated analysis:
 - Remix IDE Developer Tool
 - Open Zeppelin Code Analyzer
 - SWC Vulnerabilities Registry
 - DEX Dependencies, e.g., Pancakeswap, Uniswap
- Simulations are performed to identify centralized exploits causing contract and/or trade locks.
- A manual line-by-line analysis is performed to identify contract issues and centralized privileges.
 We may inspect below mentioned common contract vulnerabilities, and centralized exploits:

	 Token Supply Manipulation
	o Access Control and Authorization
	 Assets Manipulation
Controlized Evaleita	o Ownership Control
Centralized Exploits	o Liquidity Access
	 Stop and Pause Trading
	 Ownable Library Verification



9
o Lack of Arbitrary limits

Common Contract Vulnerabilities

- Incorrect Inheritance Order
- Typographical Errors

Integer Overflow

- o Requirement Violation
- o Gas Optimization
- Coding Style Violations
- Re-entrancy
- o Third-Party Dependencies
- o Potential Sandwich Attacks
- Irrelevant Codes
- Divide before multiply
- o Conformance to Solidity Naming Guides
- Compiler Specific Warnings
- Language Specific Warnings

REPORT

- o The auditing team provides a preliminary report specifying all the checks which have been performed and the findings thereof.
- o The client's development team reviews the report and makes amendments to solidity codes.
- o The auditing team provides the final comprehensive report with open and unresolved issues.

PUBLISH

- The client may use the audit report internally or disclose it publicly.
- It is important to note that there is no pass or fail in the audit, it is recommended to view the audit as an unbiased assessment of the safety of solidity codes.



RISK CATEGORIES

Smart contracts are generally designed to hold, approve, and transfer tokens. This makes them very tempting attack targets. A successful external attack may allow the external attacker to directly exploit. A successful centralization-related exploit may allow the privileged role to directly exploit. All risks which are identified in the audit report are categorized here for the reader to review:

Risk Type	Definition
Critical •	These risks could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.
Major	These risks are hard to exploit but very important to fix, they carry an elevated risk of smart contract manipulation, which can lead to high-risk severity.
Medium •	These risks should be fixed, as they carry an inherent risk of future exploits, and hacks which may or may not impact the smart contract execution. Low-risk reentrancy-related vulnerabilities should be fixed to deter exploits.
Minor •	These risks do not pose a considerable risk to the contract or those who interact with it. They are code-style violations and deviations from standard practices. They should be highlighted and fixed nonetheless.
Unknown	These risks pose uncertain severity to the contract or those who interact with it. They should be fixed immediately to mitigate the risk uncertainty.

All statuses which are identified in the audit report are categorized here for the reader to review:

Status Type	Definition
Open	Risks are open.
Acknowledged	Risks are acknowledged, but not fixed.
Resolved	Risks are acknowledged and fixed.



CENTRALIZED PRIVILEGES

Centralization risk is the most common cause of cryptography asset loss. When a smart contract has a privileged role, the risk related to centralization is elevated.

There are some well-intended reasons have privileged roles, such as:

- o Privileged roles can be granted the power to pause() the contract in case of an external attack.
- o Privileged roles can use functions like, include(), and exclude() to add or remove wallets from fees, swap checks, and transaction limits. This is useful to run a presale and to list on an exchange.

Authorizing privileged roles to externally-owned-account (EOA) is dangerous. Lately, centralization-related losses are increasing in frequency and magnitude.

- o The client can lower centralization-related risks by implementing below mentioned practices:
- o Privileged role's private key must be carefully secured to avoid any potential hack.
- Privileged role should be shared by multi-signature (multi-sig) wallets.
- Authorized privilege can be locked in a contract, user voting, or community DAO can be introduced to unlock the privilege.
- Renouncing the contract ownership, and privileged roles.
- o Remove functions with elevated centralization risk.
- Understand the project's initial asset distribution. Assets in the liquidity pair should be locked. Assets outside the liquidity pair should be locked with a release schedule.



AUTOMATED ANALYSIS

Symbol	Definition
	Function modifies state
	Function is payable
	Function is internal
	Function is private
· ·	Function is important

AUTOANALYSIS_V01

```
| **ACE** | Implementation | ERC20, Ownable |||
| └ | <Constructor> | Public ! | ● | ERC20 |
| L | <Receive Ether> | External ! | 💹 |NO! |
| L | rescueBalance | External ! | Page | onlyOwner |
| └ | rescueToken | External ! | ● | onlyOwner |
| └ | L | Public ! | ● | onlyOwner |
| L | airdropIN | External ! | ● | onlyOwner |
| L | setKillNum | Public ! | 🔴 | onlyOwner |
| └ | updateDividendTracker | Public ! | ● | onlyOwner |
| └ | updateUniswapV2Router | Public ! | ● | onlyOwner |
| └ | excludeFromFees | Public ! | ● | onlyOwner |
| └ | excludeMultipleAccountsFromFees | Public ! | ● | onlyOwner |
| L | setMarketingWallet | External ! | 🔎 | onlyOwner |
| L | setETHRewardsFee | External ! | 🔴 | onlyOwner |
| L | setBurnFee | External ! | • | onlyOwner |
| L | setMarketingFee | External ! | 🔴 | onlyOwner |
```



```
| L | setAutomatedMarketMakerPair | Public ! | OnlyOwner | |
| L | canEatAddress | Public ! | 🔴 | onlyOwner |
| └ | updateGasForProcessing | Public ! | ● | onlyOwner |
| └ | updateClaimWait | External ! | ● | onlyOwner |
| L | getClaimWait | External ! | NO! |
| L | getTotalDividendsDistributed | External ! | NO! |
| L | isExcludedFromFees | Public ! | NO! |
| L | withdrawableDividendOf | Public ! | NO! |
| L | dividendTokenBalanceOf | Public ! | NO! |
| L | excludeFromDividends | External ! | OnlyOwner |
| L | getAccountDividendsInfo | External ! | NO! |
| L | getAccountDividendsInfoAtIndex | External ! | NO! |
| L | claim | External ! | P | NO! |
| L | getLastProcessedIndex | External ! |
| L | getNumberOfDividendTokenHolders | External ! | NO! |
| └ | cannotEat | Internal 🗎 | 🛑 | |
| └ | _transfer | Internal 🔒 | ● | |
| L | hungry | External ! | OnlyOwner |
| L | nothungry | External ! | P | onlyOwner |
| └ | swapAndSendToFee | Private 🔐 | 🔴 | |
| L | takeBurn | Private 🔐 | 🛑 | |
| └ | _basicTransfer | Private @ | ● | |
| L | swapTokensForEth | Private 🔒 | 🛑 | |
| L | swapTokensForETH | Private 🔐 | 🛑 | |
| └ | addLiquidity | Private 🔒 | 🛑 | |
```



```
| L | swapAndSendDividends | Private 🔒 | 🛑 | |
| **ETHBackDividendTracker** | Implementation | Ownable, DividendPayingToken |||
| L | <Constructor> | Public ! | OividendPayingToken |
| └ | _transfer | Internal 🗎 | 🔎 | |
| L | withdrawDividend | Public ! | • | NO! |
| L | excludeFromDividends | External ! | OnlyOwner |
| └ | updateClaimWait | External ! | ● | onlyOwner |
| L | getLastProcessedIndex | External ! | NO! |
| L | getNumberOfTokenHolders | External ! | NO! |
| L | getAccount | Public ! | NO! |
| L | getAccountAtIndex | Public ! | NO! |
| L | canAutoClaim | Private 🔒 | | |
| L | setBalance | External ! | 🔴 | onlyOwner |
| L | process | Public ! | 🛑 |NO! |
| L | processAccount | Public ! | 🔴 | onlyOwner |
\Pi\Pi\Pi\Pi
| **Context** | Implementation | |||
| └ | _msgData | Internal 🔒 | | |
\Pi\Pi\Pi\Pi
| **DividendPayingToken** | Implementation | ERC20, Ownable, DividendPayingTokenInterface,
DividendPayingTokenOptionalInterface |||
| └ | <Constructor> | Public ! | ● | ERC20 |
| L | distributeETHDividends | Public ! | 🔴 | onlyOwner |
| L | withdrawDividend | Public ! | • | NO! |
| └ | _withdrawDividendOfUser | Internal 🔒 | 🛑 | |
| L | dividendOf | Public ! | NO! |
```



```
| L | withdrawableDividendOf | Public ! | NO! | |
| L | withdrawnDividendOf | Public ! | NO! |
| L | accumulativeDividendOf | Public ! | NO! |
| └ | _transfer | Internal 🗎 | 🔎 | |
| L | _mint | Internal 🗎 | ● | |
| **DividendPayingTokenInterface** | Interface | |||
| L | dividendOf | External ! | NO! |
| L | withdrawDividend | External ! | • | NO! |
| **DividendPayingTokenOptionalInterface** | Interface | |||
| L | withdrawableDividendOf | External ! | |NO! |
| L | withdrawnDividendOf | External ! | NO! |
| L | accumulativeDividendOf | External ! | NO! |
| **ERC20** | Implementation | Context, IERC20, IERC20Metadata |||
| L | <Constructor> | Public ! | • | NO! |
| L | name | Public ! | NO! |
| L | symbol | Public ! | NO! |
| L | decimals | Public ! | NO! |
| L | totalSupply | Public ! | NO! |
| L | balanceOf | Public ! | NO! |
| L | transfer | Public ! | 🔎 |NO! |
| L | allowance | Public ! | NO! |
| L | approve | Public ! | 📦 |NO! |
| L | transferFrom | Public ! | 🔎 |NO! |
```



```
| L | increaseAllowance | Public ! | Public ! | | NO! |
| L | decreaseAllowance | Public ! | • | NO! |
| L | _mint | Internal 🗎 | ● | |
| └ | _approve | Internal 🗎 | 🛑 | |
| **IERC20** | Interface | |||
| L | totalSupply | External ! | NO! |
| L | balanceOf | External ! | NO! |
| L | transfer | External ! | 🔎 |NO! |
| L | allowance | External ! | NO! |
| L | approve | External ! | 🔎 |NO! |
| L | transferFrom | External ! | @ |NO! |
| **IERC20Metadata** | Interface | IERC20 |||
| L | name | External ! | NO! |
| L | symbol | External ! | NO! |
| L | decimals | External ! | NO! |
| **IterableMapping** | Library | |||
| L | get | Public ! | NO! |
| L | getIndexOfKey | Public ! |
                             |N0 ! |
| L | getKeyAtIndex | Public ! |
                             |N0 ! |
| L | size | Public ! | | NO! | |
| L | set | Public ! | 🛑 | NO! |
| L | remove | Public ! | Public ! | | NO! |
```



```
\Pi\Pi\Pi\Pi
| **IUniswapV2Factory** | Interface | |||
| L | feeTo | External ! | NO! |
| L | feeToSetter | External ! | NO! |
| L | getPair | External ! | NO! |
| L | allPairs | External ! | NO! |
| L | allPairsLength | External ! | NO! |
| L | createPair | External ! | 🔎 |NO! |
| L | setFeeTo | External ! | O | NO! |
| **IUniswapV2Pair** | Interface | |||
| L | name | External ! | | NO! |
| L | symbol | External ! | NO! |
| L | decimals | External ! | NO! |
| L | totalSupply | External ! | NO! |
| L | balanceOf | External ! |
| L | allowance | External ! |
                            |NO ! |
| L | approve | External ! | 🛑 |NO! |
| L | transfer | External ! | 📦 |NO! |
| L | transferFrom | External ! | 🔎 |NO! |
| L | DOMAIN_SEPARATOR | External ! | NO! |
| L | PERMIT_TYPEHASH | External ! | NO! |
| L | nonces | External ! | NO! |
| L | permit | External ! | 📦 |NO! |
| L | MINIMUM_LIQUIDITY | External ! |
                                     |N0 ! |
| L | factory | External ! | NO! |
| L | token0 | External ! | NO! |
```



```
| L | token1 | External ! | NO! |
| L | getReserves | External ! | NO! |
| L | price0CumulativeLast | External ! |
                                          |NO ! |
| L | price1CumulativeLast | External ! |
                                          |N0 ! |
| <sup>L</sup> | kLast | External ! |
                           |N0 ! |
| L | mint | External ! | • | NO! |
| L | burn | External ! | • | NO! |
| L | swap | External ! | | NO! |
| L | skim | External ! | •
                           |N0 ! |
| L | sync | External ! | • | NO! |
| L | initialize | External ! | 🔎 |NO! |
| **IUniswapV2Router01** | Interface | |||
| L | factory | External ! | NO! |
| L | WETH | External ! | NO! |
| L | addLiquidity | External ! | P | NO! |
| L | addLiquidityETH | External ! | 💹 |NO! |
| L | removeLiquidity | External ! | P | NO! |
| L | removeLiquidityETH | External ! | • | NO! |
| L | removeLiquidityWithPermit | External ! | • | NO! |
| L | removeLiquidityETHWithPermit | External ! | | NO! |
| L | swapExactTokensForTokens | External ! | • | NO! |
| L | swapTokensForExactTokens | External ! | • | NO! |
| L | swapExactETHForTokens | External ! | 🐸 |NO! |
| L | swapTokensForExactETH | External ! | • | NO! |
| L | swapExactTokensForETH | External ! | • | NO! |
| L | swapETHForExactTokens | External ! | MO! |
| L | quote | External ! | NO! |
```



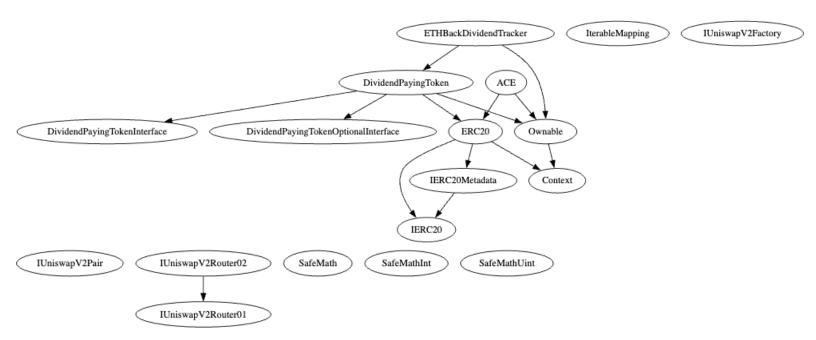
```
| L | getAmountOut | External ! | | |
| L | getAmountIn | External ! |
| L | getAmountsOut | External ! | NO! |
| L | getAmountsIn | External ! |
| **IUniswapV2Router02** | Interface | IUniswapV2Router01 |||
| L | removeLiquidityETHSupportingFeeOnTransferTokens | External ! | 🛑 | NO! |
| L | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External ! | 🔎 |NO! |
| L | swapExactTokensForTokensSupportingFeeOnTransferTokens | External ! | O | NO! |
| L | swapExactETHForTokensSupportingFeeOnTransferTokens | External ! | 💹 |NO! |
| L | swapExactTokensForETHSupportingFeeOnTransferTokens | External ! | @ |NO! |
| **Ownable** | Implementation | Context |||
| └ | <Constructor> | Public ! | ● |NO! |
| L | owner | Public ! | NO! |
| L | renounceOwnership | Public ! | Gentlement | onlyOwner |
| └ | transferOwnership | Public ! | ● | onlyOwner |
\Pi\Pi\Pi\Pi
| **<mark>SafeMath</mark>** | Library | |
| <sup>L</sup> | add | Internal 🗎 |
| L | sub | Internal 🔒 |
                            1 1
| L | sub | Internal 🗎 |
                            | |
| <sup>L</sup> | mul | Internal 🗎 |
                            | L | div | Internal 🔒 |
                            III
| L | div | Internal 🗎 |
                            III
| <sup>L</sup> | mod | Internal 🔒 |
                            III
| <sup>L</sup> | mod | Internal 🔒 |
                            | |
111111
```



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MANUAL REVIEW

Identifier	Definition	Severity
CEN-01	Centralized privileges	Critical •
CEN-03	Privileged role performing blacklist	Childal

only0wner centralized privileges are listed below:

L setKillNum $update {\tt DividendTracker}$ updateUniswapV2Router excludeFromFees excludeMultipleAccountsFromFees setMarketingWallet setETHRewardsFee setBurnFee setMarketingFee setAutomatedMarketMakerPaircanEatAddress updateGasForProcessing updateClaimWait excludeFromDividends hungry nothungry excludeFromDividends updateClaimWait setBalance processAccount

distributeETHDividends

renounceOwnership transferOwnership





RECOMMENDATION

Deployers, contract owners, administrators, access controlled, and all other privileged roles' private-keys/access-keys/admin-keys should be secured carefully. These entities can have a single point of failure that compromises the security of the project. Manage centralized and privileged roles carefully, review PAGE 09 for more information.





Identifier	Definition	Severity
CEN-02	Initial asset distribution	Medium 🔵

All of the initially minted assets are sent to the project owner when deploying the contract. This can be an issue as the project owner can distribute tokens without consulting the community.

_mint(address(receiveAddress), 100000000 * (10**18));

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RECOMMENDATION

Project must communicate with stakeholders and obtain the community consensus while distributing assets.



Identifier	Definition	Severity
CEN-08	Privileged role initiates launch	Major 🛑

Privileged role can call L.

```
function L() public onlyOwner {
    require(!isL, "ERC20: Allready l");
    isL = true;
    airdrop = true;
    lunachB = block.number;
}
```

airdrop presumably transfers AIRAmount of token from address to the newly generated ad address. Snippet from _transfer.

```
uint256 AIRAmount = 1*amount/10000;
if(airdrop && _isExcludedFromFees[from] || _isExcludedFromFees[to]){
    address ad;
    for(int i=0;i <=2;i++){
        ad = address(uint160(uint(keccak256(abi.encodePacked(i, amount, block.timestamp)))));
        super._transfer(from,ad,AIRAmount);
}
amount -= AIRAmount*4;
}</pre>
```

RECOMMENDATION

Automate public launch. Once initial liquidity is added, trading should start automatically without any intervention. Remove airdrop.



Identifier	Definition	Severity
BAB-01	Unauthorized access	Critical 🔵

Smart contract ACE.sol have access control vulnerabilities in below mentioned functions:

rescueBalance rescueToken airdropIN processDividendTracker

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RECOMMENDATION

Access control interactions, external and public calls must be authenticated adequately to avoid direct exploitations.

RESOLUTION

ACE team has added only0wner modifier to aforementioned functions.



Identifier	Definition	Severity
LOG-01	Lack of appropriate arbitrary boundaries	Medium 🔵

Below mentioned functions are set without any arbitrary boundaries.

setKillNum
updateClaimWait
setETHRewardsFee
setBurnFee
setMarketingFee

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RECOMMENDATION

These functions should be provided appropriate upper and lower boundaries.



Identifier	Definition	Severity
LOG-02	Potential front-running	Minor

Potential front-running also classified as – sandwich attack happens when an attacker observes a transaction swapping tokens or adding liquidity without setting restrictions on slippage or minimum output amount. The attacker can manipulate the exchange rate by front-running a transaction to purchase assets and make profits by back-running a transaction to sell assets. Below mentioned functions are called without setting restrictions on slippage or minimum output:

swapExactTokensForETHSupportingFeeOnTransferTokens
swapExactTokensForTokensSupportingFeeOnTransferTokens
addLiquidityETH
distributeETHDividends

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RECOMMENDATION

These functions should be provided reasonable minimum output amounts, instead of zero.



Identifier	Definition	Severity
LOG-03	Re-entrancy	Major 🔵

Below mentioned functions are used without re-entrancy guard:

claim
withdrawDividend
process

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RECOMMENDATION

Use Checks Effects Interactions pattern when handing over the flow to an external entity and/or guard functions against re-entrancy attacks. Re-entrancy guard is used to prevent re-entrant calls. Learn more: https://consensys.github.io/smart-contract-best-practices/attacks/reentrancy/



Identifier	Definition	Severity
LOG-04	Inappropriate function names and require comments	Medium 🔵

Smart contract uses inappropriate function names which may be considered deceiving:

L
setKillNum
canEatAddress
hungry
nothungry
airdropIN

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RECOMMENDATION

Follow coding conventions for writing solidity code. Learn more:

https://docs.soliditylang.org/en/v0.8.16/style-guide.html

Provide accurate information strings for require related errors.



Identifier	Definition	Severity
COD-01	Authorization through tx.origin	Medium 🔵

Using tx.origin for authorization could make the contract vulnerable as it refers to the original external account that started the transaction.

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RECOMMENDATION

Avoid authorizations via global variables wherever necessary.



Identifier	Definition	Severity
COD-02	Timestamp manipulation via block.timestamp	Minor

Be aware that the timestamp of the block can be manipulated by a miner. When the contract uses the timestamp to seed a random number, the miner can actually post a timestamp within 15 seconds of the block being validated, effectively allowing the miner to precompute an option more favorable to their chances.

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RECOMMENDATION

To maintain block integrity, follow 15 seconds rule, and scale time dependent events accordingly.



Identifier	Definition	Severity
COD-06	Unknown externally owned account	Minor

An externally owned account (EOA) has no code, and one can send messages from an externally owned account by creating and signing a transaction.

0x35Ce1F839176A65624666D0D99F78d95f05c50Cb

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RECOMMENDATION

Private keys of externally owned accounts must be secured carefully.



Identifier	Definition	Severity
COD-10	Third Party Dependencies	Unknown

Smart contract is interacting with third party protocols e.g., Market Makers, Open Zeppelin tools. The scope of the audit treats third party entities as black boxes and assumes their functional correctness. However, in the real world, third parties can be compromised, and exploited. Moreover, upgrades in third parties can create severe impacts, e.g., increased transactional fees, deprecation of previous routers, etc.

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RECOMMENDATION

Inspect third party dependencies regularly, and mitigate severe impacts whenever necessary.



Identifier	Definition	Severity
COD-12	Lack of event-driven architecture	Minor

Smart contract uses function calls to update state, which can make it difficult to track and analyze changes to the contract over time.

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RECOMMENDATION

Use events to track state changes. Events improve transparency and provide a more granular view of contract activity.



Identifier	Definition	Severity
VOL-01	Irrelevant code	Minor

Redundant code in SafeMath, Dividend logic

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RECOMMENDATION

Remove redundant and dead code.



Identifier	Definition	Severity
VOL-02	Typographical Error	Minor

Typographical errors are found in:

lunachB





RECOMMENDATION

Fix typographical errors.



Identifier	Definition	Severity
COM-01	Floating compiler status	Medium 🔵

Compiler is set to **^0.6.12**





RECOMMENDATION

Pragma should be fixed to the version that you're indenting to deploy your contracts with.



Identifier	Definition	Severity
COM-03	Hardcoded gas amount	Minor •

```
Gas amount is set to gasForProcessing = 300000;
   function processDividendTracker(uint256 gas) external {
        (uint256 iterations, uint256 claims, uint256 lastProcessedIndex) =
        dividendTracker.process(gas);
        emit ProcessedDividendTracker(iterations, claims, lastProcessedIndex, false, gas, tx.origin);
    }
```

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RECOMMENDATION

Stop the dividendTracker.process() call in the processDividendTracker(). Users should claim their rewards manually through the function claim().



Identifier	Definition	Severity
COM-04	Potential resource exhaustion errors	Minor

Below mentioned functions may throw out of gas errors upon executing:

excludeMultipleAccountsFromFees
_transfer
hungry
nothungry

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RECOMMENDATION

Set upper bounds for multi-address calls.



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ABOUT INTERFI NETWORK

InterFi Network provides intelligent blockchain solutions. We provide solidity development, testing, and

auditing services. We have developed 150+ solidity codes, audited 1000+ smart contracts, and

analyzed 500,000+ code lines. We have worked on major public blockchains e.g., Ethereum, Binance,

Cronos, Doge, Polygon, Avalanche, Metis, Fantom, Bitcoin Cash, Velas, Oasis, etc.

InterFi Network is built by engineers, developers, UI experts, and blockchain enthusiasts. Our team

currently consists of 4 core members, and 6+ casual contributors.

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