

EverRise

Protocol Token & Staking v3

SMART CONTRACT AUDIT

03.04.2022

Made in Germany by Chainsulting.de



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1. Disclaimer

The audit makes no statements or warrantees about utility of the code, safety of the code, suitability of the business model, investment advice, endorsement of the platform or its products, regulatory regime for the business model, or any other statements about fitness of the contracts to purpose, or their bug free status. The audit documentation is for discussion purposes only.

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Major Versions / Date	Description					
0.1 (25.03.2022)	Layout					
0.4 (25.03.2022)	Automated Security Testing					
	Manual Security Testing					
0.5 (25.03.2022)	Verify Claims and Test Deployment					
0.6 (26.03.2022)	Testing SWC Checks					
0.9 (26.03.2022)	Summary and Recommendation					
1.0 (26.03.2022)	Final document					
1.1 (31.03.2022)	Re-check (1a7bf3e883143ef953793ae1deee2527d295be5a)					
1.2 (03.04.2022)	Deployed Contract					



2. About the Project and Company

EVERRISE PTE. LTD. 1 SCOTTS ROAD #24-10 SHAW CENTRE SINGAPORE 228208



Website: https://www.everrise.com/

Twitter: https://twitter.com/EverRise

Discord: https://discord.com/invite/everrise

LinkedIn: https://www.linkedin.com/company/everrise-pte-ltd/about/

Telegram: https://t.me/everriseofficial

YouTube: https://www.youtube.com/channel/UCCDMjFJUr9OvV03I3wNX7lw

Instagram: https://www.instagram.com/everrisetoken

Facebook: https://www.facebook.com/EverRiseToken

Reddit: https://www.reddit.com/r/EverRise



2.1 Project Overview

Everrise offers multi chain solutions with an ecosystem of dApps on Ethereum, Binance Smart Chain, Polygon, Avalanche and Fantom networks. Ecosystem includes bridge, wallets, token, staking, swapping.

EverRise token is the keystone in the EverRise Ecosystem of dApps and the overarching key that unlocks multi-blockchain unification via the EverBridge. EverRise token transactions have 6% buyback and business development fees are collected 4% for token Buyback from the market, with bought back tokens directly distributed as ve-staking rewards 2% for Business Development (Development, Sustainability and Marketing).

EverRise Staking NFTs are Vote Escrowed. EverRise weighted governance tokens which generate rewards with a market driven yield curve, based on the transaction volume of EverRise trades and veEverRise sales. On sales of veEverRise Staking NFTs a 10% royalty fee is collected 6% for token Buyback from the market, with bought back tokens directly distributed as ve-staking rewards 4% for Business Development (Development, Sustainability and Marketing).

EverOwn is a dApp that allows developers and project owners to hand over ownership of a contract to their community rather than renouncing ownership. Renouncing ownership of a contract limits the growth of the ecosystem as it decreases the flexibility of the project. With EverOwn developers and project owners are able to empower their community, and still have the flexibility to improve and fix their contract.

EverWallet is a secure and decentralized vault residing on the blockchain and acts as a security protocol to enhance the security of pre-existing wallets. EverSwap allows the users to purchase, sell and transfer tokens available on PancakeSwap directly to and from EverWallet.

EverSale is a launchpad powered by the EverRise ecosystem for any BSC or ETH token presales. Unlike other platforms, EverSale will not be collecting tokens from projects using the launch pad as a fee, ensuring that projects are protected from presale platform dumps. Adding liquidity to a new token is crucial to ensure the project's development as it is one of the main revenue streams for an ecosystem. With EverLock, developers will be able to lock their initial liquidity and build trust with their community as the community will have the ability to vote for unlocking initial liquidity.



3. Vulnerability & Risk Level

Risk represents the probability that a certain source-threat will exploit vulnerability, and the impact of that event on the organization or system. Risk Level is computed based on CVSS version 3.0.

Level	Value	Vulnerability	Risk (Required Action)
Critical	9 – 10	A vulnerability that can disrupt the contract functioning in a number of scenarios, or creates a risk that the contract may be broken.	Immediate action to reduce risk level.
High	7 – 8.9	A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.	Implementation of corrective actions as soon as possible.
Medium	4 – 6.9	A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.	•
Low	2 – 3.9	A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective. Implementation of certain corrective action accepting the risk.	
Informational	0 – 1.9	A vulnerability that have informational character but is not effecting any of the code.	An observation that does not determine a level of risk



4. Auditing Strategy and Techniques Applied

Throughout the review process, care was taken to evaluate the repository for security-related issues, code quality, and adherence to specification and best practices. To do so, reviewed line-by-line by our team of expert pentesters and smart contract developers, documenting any issues as there were discovered.

4.1 Methodology

The auditing process follows a routine series of steps:

- 1. Code review that includes the following:
 - i.Review of the specifications, sources, and instructions provided to Chainsulting to make sure we understand the size, scope, and functionality of the smart contract.
 - ii.Manual review of code, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- iii. Comparison to specification, which is the process of checking whether the code does what the specifications, sources, and instructions provided to Chainsulting describe.
- 2. Testing and automated analysis that includes the following:
 - i.Test coverage analysis, which is the process of determining whether the test cases are actually covering the code and how much code is exercised when we run those test cases.
 - ii. Symbolic execution, which is analysing a program to determine what inputs causes each part of a program to execute.
- 3. Best practices review, which is a review of the smart contracts to improve efficiency, effectiveness, clarify, maintainability, security, and control based on the established industry and academic practices, recommendations, and research.
- 4. Specific, itemized, actionable recommendations to help you take steps to secure your smart contracts.



4.2 Tested Contract Files

The following are the MD5 hashes of the reviewed files. A file with a different MD5 hash has been modified, intentionally or otherwise, after the security review. You are cautioned that a different MD5 hash could be (but is not necessarily) an indication of a changed condition or potential vulnerability that was not within the scope of the review

File	Fingerprint (MD5)
EverRise_flat.sol	cd311a86b2871333877f6a77d7cbf25a
nftEverRise flat.sol	093f8006990670f151067ad52e8e184f

Language Solidity

Token Standards ERC20 / ERC721

Compiler Version 0.8.13
Buy Back Token Yes
Staking Token Yes
Burn Function Yes
Mint Yes
Cross Chain token Yes



4.3 Used Code from other Frameworks/Smart Contracts (direct imports)

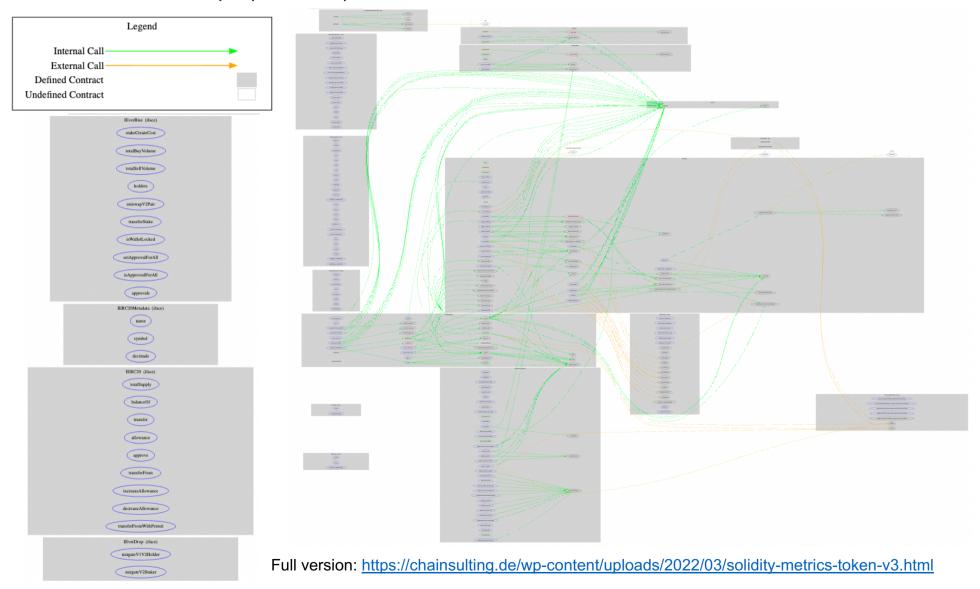
Dependency / Import Path	Source
@openzeppelin/contracts/token/ERC20/IERC20.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release- v4.5/contracts/token/ERC20/IERC20.sol
@openzeppelin/contracts/token/ERC20/extensions/IERCMetadat a.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release- v4.5/contracts/token/ERC20/extensions/IERC20Metadata.sol
@openzeppelin/contracts/access/Ownable.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release-v4.5/contracts/access/Ownable.sol
@openzeppelin/contracts/interfaces/draft-IERC2612.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release-v4.5/contracts/interfaces/draft- IERC2612.sol
IUniswapv2Router02.sol	https://github.com/Uniswap/v2- periphery/blob/master/contracts/interfaces/IUniswapV2Router 02.sol
@openzeppelin/contracts/interfaces/ERC721/IERC721.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release- v4.5/contracts/token/ERC721/IERC721.sol
@openzeppelin/contracts/token/ERC721/extensions/IERC721Met adata.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release- v4.5/contracts/token/ERC721/extensions/IERC721Metadata.s ol



Dependency / Import Path	Source
@openzeppelin/contracts/contracts/utils/introspection/ERC165.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release- v4.5/contracts/utils/introspection/ERC165.sol
@openzeppelin/contracts/interfaces/IERC2981.sol	https://github.com/OpenZeppelin/openzeppelin- contracts/blob/release-v4.5/contracts/interfaces/IERC2981.sol

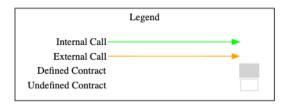


4.4 Metrics / CallGraph (Token v3)





4.4.1 Metrics / CallGraph (Staking v3)

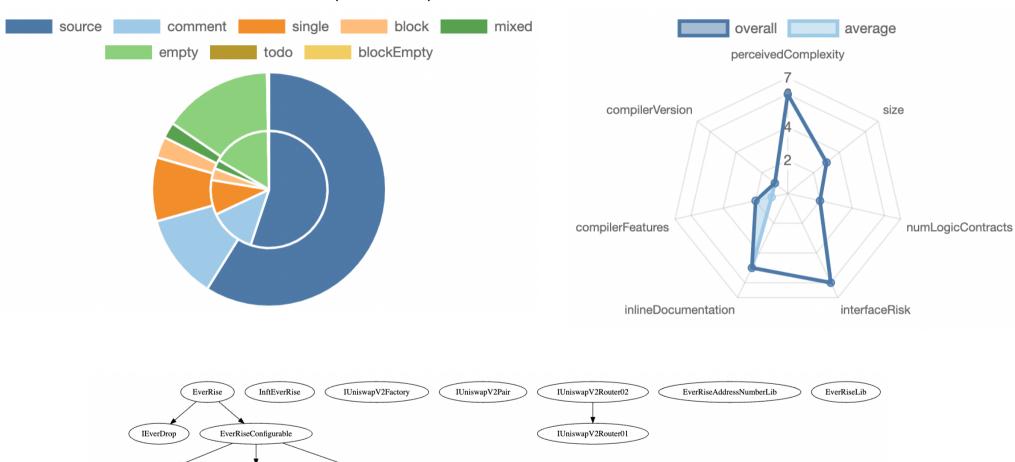


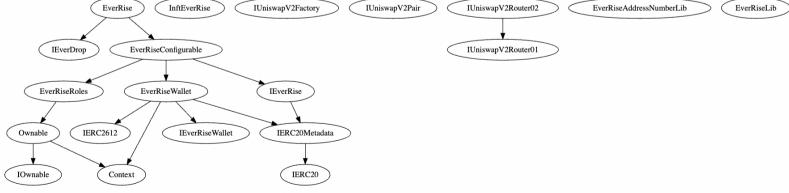
Veolidity motrice off

Full version: https://chainsulting.de/wp-content/uploads/2022/03/solidity-metrics-nft-staking-v3.html



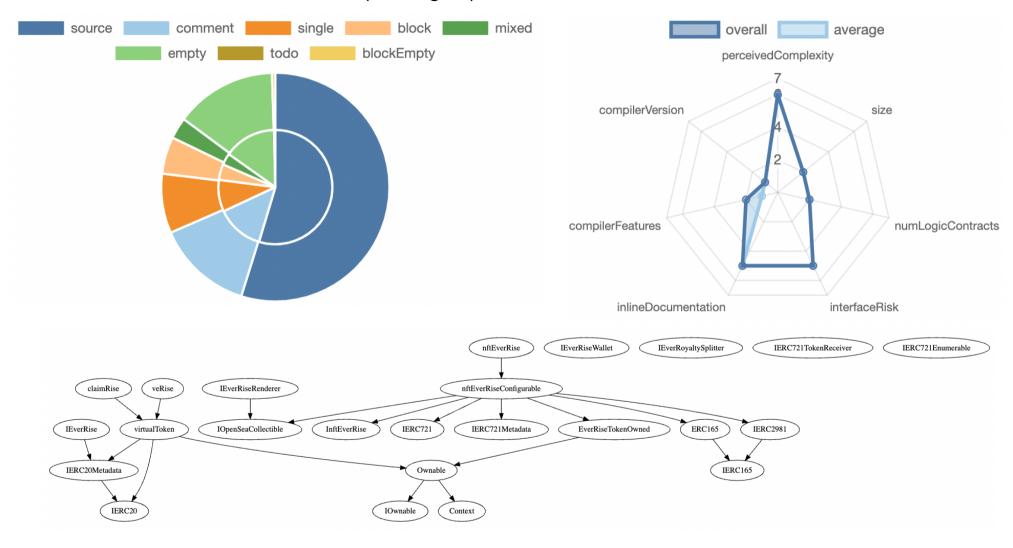
4.5 Metrics / Source Lines & Risk (Token v3)







4.5.1 Metrics / Source Lines & Risk (Staking v3)





4.6 Metrics / Capabilities (Token v3)



Exposed Functions

This section lists functions that are explicitly declared public or payable. Please note that getter methods for public stateVars are not included.



StateVariables

Total	Public
50	20



4.6.1 Metrics / Capabilities (Staking v3)



Exposed Functions

This section lists functions that are explicitly declared public or payable. Please note that getter methods for public stateVars are not included.



External	Internal	Private	Pure	View
123	77	32	8	75

StateVariables





4.7 Metrics / Source Unites in Scope

Туре	File	Logic Contracts	Interfaces	Lines	nLines	nSLOC	Comment Lines	Complex. Score	Capabilities
> ≥<	EverRise_flat.sol	8	12	1774	1528	1034	250	1063	š ♣ ⊞ ∜ ∵∕∑
>≥ Q	Totals	8	12	1774	1528	1034	250	1063	Š ♣⊞

Туре	File	Logic Contracts	Interfaces	Lines	nLines	nSLOC	Comment Lines	Complex. Score	Capabilities
AFRICAN CANADA	nftEverRise_flat.sol	9	15	1577	1368	943	271	931	<u>\$</u>
active C	Totals	9	15	1577	1368	943	271	931	Š ♣ © ┆ ₹ ₹Σ

Legend: [-]

- Lines: total lines of the source unit
- nLines: normalized lines of the source unit (e.g. normalizes functions spanning multiple lines)
- **nSLOC**: normalized source lines of code (only source-code lines; no comments, no blank lines)
- Comment Lines: lines containing single or block comments
- Complexity Score: a custom complexity score derived from code statements that are known to introduce code complexity (branches, loops, calls, external interfaces, ...)



5. Scope of Work

Following contracts have been tested:

- o EverRise_flat.sol
- o nftEverRise flat.sol

The team put forward the following assumptions regarding the security, usage of the contracts:

- Fees are correctly distributed and can be set
- Owner/Deployer is not able to pause the token contract or freeze user funds
- The user can withdraw the stake at anytime and receiving the correct reward
- Owner/Deployer is not able to withdraw staked token from user
- Owner/Deployer cannot pause the staking
- Only the Owner is able to set rewards
- Royalties for the NFT sales are paid out correctly
- The contracts are not susceptible to reentrancy attacks
- The smart contract is coded according to the newest standards and in a secure way.

The main goal of this audit was to verify these claims. The auditors can provide additional feedback on the code upon the client's request.



5.1 Manual and Automated Vulnerability Test

CRITICAL ISSUES

During the audit, Chainsulting's experts found **no Critical issues** in the code of the smart contract.

HIGH ISSUES

During the audit, Chainsulting's experts found **no** High issues in the code of the smart contract.

MEDIUM ISSUES

During the audit, Chainsulting's experts found 2 Medium issues in the code of the smart contract.

5.1.1 Overpowered only Owner rights

Severity: MEDIUM

Status: FIXED

Code: CWE-282, CWE-284

File(s) affected: All

Update: EverOwn is a smart contract locker available on the ETH/BSC/FTM/AVAX/MATIC blockchains. EverOwn has a DAO type of governance voting system that allows for 100% transparency and user involvement. Privileged roles are only granted when a successful vote is conducted on a proposed modification. The voting period in EverOwn has a minimum 24hr time span to allow for awareness that privileged operations are being requested. Additionally, EverOwn contains a Legacy Provision Protocol, where an alternate owner or backup wallet can be assigned as the owner the contract unlocks to in case something happens to the original owner, or the original owner's wallet becomes compromised. Transfer of ownership is only granted with a successful weighted community vote; as the community has governance over the EverOwn contract locker. This eliminates the risk of a single point of failure due to the private key of the owner account.



Attack / Description Code Snippet Result/Recommendation EverRise flat.sol Sample It is recommended to use a Multisignature (Gnosis contract contains onlyOwner Line 281 – 346 (EverRise flat.sol) Safe) structure for the address, which has the functions that set ownership rights or roles. It is recommended to use contract EverRiseRoles is Ownable { setEverBridgeVaultAddress a two-step process when transferring ownership, to mapping (Role => mapping (address => bool)) setStakingAddress ensure the new owner has access and control to the public roles; setSwapEnabled new Owner address. That avoids loss of ownership transferOwnership enum Role over the contract. and Roles for Limits, Fees, BuyBack, NFTs, Exchanges, NotValidRole, The Ownership is supposed to be transferred to BuyBack and Staking BuyBack, EverOwn, which is out of our audit scope and needs Staking. to be fully trusted for governance. Limits. nftEverRise flat.sol contract Liquidity, Fees, contains onlyOwner functions Exchanges, that set Nfts. transferOwnership CrossChainBuyback, setEverRiseToken Upgrader setAchievementNfts } addAddressToCreate removeAddressToCreate event ControlAdded(address indexed setNftRoyaltyFeePercent controller, Role indexed role); setRoyaltyAddress event ControlRemoved(address indexed setRendererAddress controller, Role indexed role); excludeFromReward includeInReward function onlyController(Role role) private view { This overpowered rights can if (!roles[role][msqSender()]) revert be dangerous and if it is CallerNotApproved(); compromised or the owner acts maliciously it can lead to devastating consequences for modifier onlyController(Role role) {



the token making it completely onlyController(role); unusable. _; } constructor() { address deployer = msqSender(); roles[Role.BuyBack][deployer] = true; roles[Role.Staking][deployer] = true; roles[Role.Limits][deployer] = true; roles[Role.Liquidity][deployer] = true; roles[Role.Fees][deployer] = true; roles[Role.Exchanges][deployer] = true; roles[Role.Nfts][deployer] = true; } function hasRole(Role role, address controller) public view returns (bool) { return roles[role][controller]; } function addControlRole(address newController, Role role) external onlyOwner if (role == Role_NotValidRole) revert NotZero(): if (newController == address(0)) revert NotZeroAddress(); if (roles[role][newController]) revert InvalidAddress(); roles[role][newController] = true; emit ControlAdded(newController, role);



```
function removeControlRole(address
oldController, Role role) external onlyOwner
{
    if (role == Role.NotValidRole) revert
NotZero();
    if (oldController == address(0)) revert
NotZeroAddress();
    if (!roles[role][oldController]) revert
InvalidAddress();
    roles[role][oldController] = false;
    emit ControlRemoved(oldController,
    role);
    }
}
```

5.1.2 Exclude addresses

Severity: MEDIUM Status: FIXED Code: NA

File(s) affected: nftEverRise flat.sol

Update: EverOwn is a smart contract locker available on the ETH/BSC/FTM/AVAX/MATIC blockchains. EverOwn has a DAO type of governance voting system that allows for 100% transparency and user involvement. Privileged roles are only granted when a successful vote is conducted on a proposed modification. The voting period in EverOwn has a minimum 24hr time span to allow for awareness that privileged operations are being requested. Additionally, EverOwn contains a Legacy Provision Protocol, where an alternate owner or backup wallet can be assigned as the owner the contract unlocks to in case something happens to the original owner, or the original owner's wallet becomes compromised. Transfer of ownership is only granted with a successful weighted community vote; as the community has governance over the EverOwn contract locker. This eliminates the risk of a single point of failure due to the private key of the owner account.



Attack / Description	Code Snippet	Result/Recommendation
The owner can exclude an	Line 703 – 714 (nftEverRise_flat.sol)	It is recommended to use a Multisignature (Gnosis
account from the rewards and		Safe) structure for the address, which has the
include it back later. Abusing	function excludeFromReward(address account)	ownership rights or roles. It is recommended to use
this mapping can cause	<pre>public onlyOwner() {</pre>	a two-step process when transferring ownership, to
distribution of rewards only to	<pre>if (account == address(0)) revert</pre>	ensure the new owner has access and control to the
specific addresses and exclude	NotZeroAddress();	new Owner address. That avoids loss of ownership
others.	<pre>if (_isExcludedFromReward[account])</pre>	over the contract.
	<pre>revert InvalidAddress();</pre>	
		The Ownership is supposed to be transferred to
	<pre>if(_r0wned[account] > 0) {</pre>	EverOwn, which is out of our audit scope and needs
	_t0wned[account] =	to be fully trusted for governance.
	tokenFromRewards(_r0wned[account]);	
	}	
	_isExcludedFromReward[account] = true;	
	_excludedList.push(account);	
	<pre>emit ExcludedFromRewards(account);</pre>	
	l i	

LOW ISSUES

During the audit, Chainsulting's experts found **3 Low issues** in the code of the smart contract.



5.1.3 Variables initialized as their types default value

Severity: LOW Status: FIXED Code: NA

File(s) affected: EverRise_flat.sol, nftEverRise_flat.sol

Attack / Description	Code Snippet	Result/Recommendation
State variables do not need to be initialized to their default	Line 846-849 (EverRise_flat.sol) uint256 public totalBuyVolume = 0;	It is recommended to just declare the variables e.g. uint256 public totalBuyVolume;
variables. For example uint a;	<pre>uint256 public totalSellVolume = 0;</pre>	if they start as the default values like 0 for uint,
defaults to a = 0;	<pre>uint256 public transactionCap = 0;</pre>	without the need to initialize them first.
	<pre>Line 858-860 (EverRise_flat.sol) uint256 internal _nextBuybackAmount = 0;</pre>	
	<pre>uint256 internal _latestBuybackBlock = 0;</pre>	
	<pre>Line 1194 (EverRise_flat.sol) uint256 private _holders = 0;</pre>	
	Line 600-602 (nftEverRise_flat.sol) uint256 public totalAmountEscrowed = 0;	
	<pre>uint256 public totalAmountVoteEscrowed = 0;</pre>	
	<pre>uint256 public totalRewardsDistributed = 0;</pre>	



5.1.4 Variables that can be made constant or immutable

Severity: LOW Status: FIXED Code: NA

File(s) affected: EverRise_flat.sol

Update: The burn address is updatable, so that they can burn to a non-burn address, that the bridge can pick up the burnt tokens and then forward them all, to the burn address on one chain. Otherwise everything gets confused (CMC) if on all chains is a little bit of burn, so only want to do the "real" burn on one chain, to make the accounting of the change to supply easier.

Attack / Description	Code Snippet	Result/Recommendation
State variables that do not change during lifetime or are set at construction and never change, can be made constant	<pre>Line 829 (EverRise_flat.sol) address public burnAddress = 0x00000000000000000000000000000000000</pre>	It is recommended to make burnAddress and businessDevelopmentAddress constant variables. Variables that never change can be declared constant, which saves gas.
or immutable.	Line 826 (EverRise_flat.sol) address payable public	-
	businessDevelopmentAddress	
	=payable(0x24D8DAbebD6c0d5CcC88EC40D95Bf8eB64F0	
	CF9E);	



5.1.5 Hardcoded address Severity: INFORMATIONAL

Status: FIXED Code: NA

File(s) affected: EverRise_flat.sol

Attack / Description	Code Snippet	Result/Recommendation
Hardcoded values like	address payable public	It is recommended to keep addresses replaceable
addresses can impact the life	businessDevelopmentAddress =	during lifetime. Additionally it reduces chances of
time of the contract, as they		making errors with addresses, consider tests that
may change in the future.	<pre>payable(0x24D8DAbebD6c0d5CcC88EC40D95Bf8eB64F0C</pre>	check if the value of this address is the correct
	F9E); // Business Development Address	value.

INFORMATIONAL ISSUES

During the audit, Chainsulting's experts found 2 Informational issues in the code of the smart contract.

5.1.6 Missing test cases Severity: INFORMATIONAL Status: ACKNOWLEDGED

Code: NA

File(s) affected: All

Attack / Description	Code Snippet	Result/Recommendation
The current implementation	NA	It is highly recommended to write test cases for
has no unit-tests.		every function and control the behaviour at any time of contract executions. It is necessary to check the
		desired functionality of executed code. Tests are
		also a good proof that the written code is working in
		the intended way.



5.1.7 Missing natspec documentation

Severity: INFORMATIONAL Status: ACKNOWLEDGED

Code: CWE-1053 File(s) affected: All

Attack / Description	Code Snippet	Result/Recommendation
Solidity contracts can use a	N/A	It is recommended to include natspec
special form of comments to		documentation and follow the doxygen style
provide rich documentation for		including @author, @title, @notice, @dev, @param,
function, return variables, and		@return and make it easier to review and
more. This special form is		understand your smart contract.
named Ethereum Natural		
Language Specification		
Format(NatSpec).		

5.2. SWC Attacks

ID	Title	Relationships	Test Result
SWC-131	Presence of unused variables	CWE-1164: Irrelevant Code	<u>~</u>
<u>SWC-130</u>	Right-To-Left-Override control character (U+202E)	CWE-451: User Interface (UI) Misrepresentation of Critical Information	✓
SWC-129	Typographical Error	CWE-480: Use of Incorrect Operator	✓



ID	Title	Relationships	Test Result
<u>SWC-128</u>	DoS With Block Gas Limit	CWE-400: Uncontrolled Resource Consumption	<u>~</u>
<u>SWC-127</u>	Arbitrary Jump with Function Type Variable	CWE-695: Use of Low-Level Functionality	✓
<u>SWC-125</u>	Incorrect Inheritance Order	CWE-696: Incorrect Behavior Order	✓
SWC-124	Write to Arbitrary Storage Location	CWE-123: Write-what-where Condition	✓
<u>SWC-123</u>	Requirement Violation	CWE-573: Improper Following of Specification by Caller	✓
SWC-122	Lack of Proper Signature Verification	CWE-345: Insufficient Verification of Data Authenticity	✓
<u>SWC-121</u>	Missing Protection against Signature Replay Attacks	CWE-347: Improper Verification of Cryptographic Signature	✓
SWC-120	Weak Sources of Randomness from Chain Attributes	CWE-330: Use of Insufficiently Random Values	<u> </u>
SWC-119	Shadowing State Variables	CWE-710: Improper Adherence to Coding Standards	✓



ID	Title	Relationships	Test Result
SWC-118	Incorrect Constructor Name	CWE-665: Improper Initialization	✓
SWC-117	Signature Malleability	CWE-347: Improper Verification of Cryptographic Signature	✓
SWC-116	Timestamp Dependence	CWE-829: Inclusion of Functionality from Untrusted Control Sphere	✓
SWC-115	Authorization through tx.origin	CWE-477: Use of Obsolete Function	✓
<u>SWC-114</u>	Transaction Order Dependence	CWE-362: Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')	✓
SWC-113	DoS with Failed Call	CWE-703: Improper Check or Handling of Exceptional Conditions	✓
SWC-112	Delegatecall to Untrusted Callee	CWE-829: Inclusion of Functionality from Untrusted Control Sphere	~
<u>SWC-111</u>	Use of Deprecated Solidity Functions	CWE-477: Use of Obsolete Function	✓
SWC-110	Assert Violation	CWE-670: Always-Incorrect Control Flow Implementation	✓
SWC-109	Uninitialized Storage Pointer	CWE-824: Access of Uninitialized Pointer	✓



ID	Title	Relationships	Test Result
SWC-108	State Variable Default Visibility	CWE-710: Improper Adherence to Coding Standards	✓
SWC-107	Reentrancy	CWE-841: Improper Enforcement of Behavioral Workflow	✓
<u>SWC-106</u>	Unprotected SELFDESTRUCT Instruction	CWE-284: Improper Access Control	✓
SWC-105	Unprotected Ether Withdrawal	CWE-284: Improper Access Control	✓
SWC-104	Unchecked Call Return Value	CWE-252: Unchecked Return Value	<u>~</u>
SWC-103	Floating Pragma	CWE-664: Improper Control of a Resource Through its Lifetime	✓
SWC-102	Outdated Compiler Version	CWE-937: Using Components with Known Vulnerabilities	✓
SWC-101	Integer Overflow and Underflow	CWE-682: Incorrect Calculation	<u>~</u>
SWC-100	Function Default Visibility	CWE-710: Improper Adherence to Coding Standards	<u>~</u>



5.3. Verify Claims

5.3.1 Fees are correctly distributed and can be set

Status: tested and verified <a>V

5.3.2 Owner/Deployer is not able to pause the token contract or freeze user funds

Status: tested and verified

5.3.3 The user can withdraw the stake at anytime and receiving the correct reward

Status: tested and verified V

5.3.4 Owner/Deployer is not able to withdraw staked token from user

Status: tested and verified

5.3.5 Owner/Deployer cannot pause the staking

Status: tested and verified V

5.3.6 Only the Owner is able to set rewards

Status: tested and verified ✓

5.3.7 Royalties for the NFT sales are paid out correctly

Status: tested and verified ✓

5.3.8 The contracts are not susceptible to reentrancy attacks

Status: tested and verified ✓

5.3.9 The smart contract is coded according to the newest standards and in a secure way.

Status: tested and verified ✓



6. Executive Summary

Two (2) independent Chainsulting experts performed an unbiased and isolated audit of the smart contract codebase. The final debriefs took place on the March 26, 2022.

The main goal of the audit was to verify the claims regarding the security of the smart contract and the claims inside the scope of work. During the audit, 2 Medium, 3 Low and 2 Informational issues were found after the manual and automated security testing.

Update (01.04.2022): https://github.com/everrise-ecosystem/everrise-v3-contracts/commit/b92f0971db700ac9428e076a0f7af6051b4eeef4 has addressed issues and the auditor has acknowledged EverOwn as safe to use alternative to Gnosis safe.

7. Deployed Smart Contract

VERIFIED

EverRise: https://etherscan.io/address/0xC17c30e98541188614dF99239cABD40280810cA3#code

nftEverRise: https://etherscan.io/address/0x23cD2E6b283754Fd2340a75732f9DdBb5d11807e#code

veRiseToken: https://etherscan.io/address/0xDbA7b24257fC6e397cB7368B4BC922E944072f1b#code

claimRiseToken: https://etherscan.io/address/0xbBD7B847C6d0d0B5691518a363194D71426475F1#code



8. About the Auditor

Chainsulting is a professional software development firm based in Germany that provides comprehensive distributed ledger technology (DLT) solutions. Some of their services include blockchain development, smart contract audits and consulting.

Chainsulting conducts code audits on market-leading blockchains such as Hyperledger, Tezos, Ethereum, Binance Smart Chain, and Solana to mitigate risk and instil trust and transparency into the vibrant crypto community. They have also reviewed and secure the smart contracts of 1Inch, POA Network, Unicrypt, Amun, Furucombo among numerous other top DeFi projects.

Chainsulting currently secures \$100 billion in user funds locked in multiple DeFi protocols. The team behind the leading audit firm relies on their robust technical know-how in the blockchain sector to deliver top-notch smart contract audit solutions tailored to the clients' evolving business needs.

The blockchain security provider brings the highest security standards to crypto and blockchain platforms, helping to foster growth and transparency within the fast-growing ecosystem.

Check our website for further information: https://chainsulting.de

How We Work





PREPARATION

Supply our team with audit ready code and additional materials



2 -----

COMMUNICATION

We setup a real-time communication tool of your choice or communicate via e-mails.



3 -----

AUDIT

We conduct the audit, suggesting fixes to all vulnerabilities and help you to improve.



4 -----

FIXES

Your development team applies fixes while consulting with our auditors on their safety.



5 -----

REPORT

We check the applied fixes and deliver a full report on all steps done.

