



NOVOS

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CERTIFICATE OF COMPLIANCE

Smart Contract Audit by NOVOS



Plat Miner

Audit Passed

August 06, 2022

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Audit Summary

This report has been prepared for Plat on the Binance Chain network. Novos provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Ensuring contract logic meets the specifications and intentions of the client without exposing the user's funds to risk.
- Testing the smart contracts against both common and uncommon attack vectors.
- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.
- Thorough line-by-line manual review of the entire codebase by industry experts.



Project Overview

Parameter	Result
Address	0x2e1d65D5F0F0d9ad6cA66c58812e0acB310Cbe9F
Name	Plat
Platform	Binance Chain
Compiler	v0.8.14+commit.80d49f37
Optimization	Yes with 200 runs
LicenseType	default evmVersion, None license
Language	Solidity
Codebase	https://bscscan.com/address/0x2e1d65D5F0F0d9ad6cA66c58812e0acB310Cbe9F#code
Url	https://platinum-finance.net/

Main Contract Assessed

Name	Contract	Live
Plat	0x2e1d65D5F0F0d9ad6cA66c58812e0acB310Cbe9F	Yes



Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
❖ Unencrypted Private Data On-Chain	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Code With No Effects	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Message call with hardcoded gas amount	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Hash Collisions With Multiple Variable Length Arguments	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unexpected Ether balance	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Presence of unused variables	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Right-To-Left-Override control character (U+202E)	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Typographical Error	✓ Complete	✓ Complete	✓ Low / No Risk
❖ DoS With Block Gas Limit	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Arbitrary Jump with Function Type Variable	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Insufficient Gas Griefing	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Incorrect Inheritance Order	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Write to Arbitrary Storage Location	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Requirement Violation	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Missing Protection against Signature Replay Attacks	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Weak Sources of Randomness from Chain Attributes	✓ Complete	✓ Complete	✓ Low / No Risk





Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
❖ Authorization through tx.origin	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Delegatecall to Untrusted Callee	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Use of Deprecated Solidity Functions	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Assert Violation	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Reentrancy	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unprotected SELFDESTRUCT Instruction	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unprotected Ether Withdrawal	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unchecked Call Return Value	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Outdated Compiler Version	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Integer Overflow and Underflow	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Function Default Visibility	✓ Complete	✓ Complete	✓ Low / No Risk





Contract Ownership

The contract ownership of Plat is not currently renounced. The ownership of the contract grants special powers to the protocol creators, making them the sole addresses that can call sensible ownable functions that may alter the state of the protocol.

01

The current owner is the address
0x997f64a8DB6c58877432CfC3B8577ddf9b3A9Cb9
which can be viewed from: [HERE](#)

02

The owner wallet has the power to call the functions displayed on the privileged functions chart below, if the owner wallet is compromised this privileges could be exploited.

03

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.

Important Notes To The Users:



01

```
IToken public token_BUSD; // address erctoken =
0x78867BbEeF44f2326bF8DDd1941a4439382EF2A7; /** BUSD
Testnet */ address erctoken =
0xe9e7CEA3DedcA5984780Bafc599bD69ADd087D56; /**
BUSD Mainnet */
```

02

```
MIN_INVEST_LIMIT = 10 * 1e18; /** 10 BUSD */
WALLET_DEPOSIT_LIMIT = 20000 * 1e18; /**
20000 BUSD */
```

03

```
COMPOUND_BONUS = 5; /** 0.5% */
COMPOUND_BONUS_MAX_TIMES = 12; /** 10 times / 5
days. */
COMPOUND_STEP = 12 * 60 * 60; /** every 12 hours. */
```

04

```
WITHDRAWAL_TAX = 800; //800 = 80%, 600 =
60%, 400 = 40%
COMPOUND_FOR_NO_TAX_WITHDRAWAL = 12;
// compound for no tax withdrawal.
```

05

```
If user compound < to mandatory compound days
if(user.dailyCompoundBonus <
COMPOUND_FOR_NO_TAX_WITHDRAWAL){ //daily
compound bonus count will not reset and platinValue will be
deducted with 80% feedback fee. platinValue
=platinValue.sub(platinValue.mul(WITHDRAWAL_TAX).div(PE
RCENTS_DIVIDER))
```

06

```
uint256 public tokenLiquidityThreshold = 2_500 *
10**18; uint256 public maxBuyLimit = 10_000 * 10**18;
uint256 public maxSellLimit = 10_000 * 10**18;
uint256 public maxWalletLimit = 10_000 * 10**18;
```

07

```
Function runAutomate() external {
require(msg.sender == owner, "Admin use
only."); require(contractStarted); uint256
automateCount = automate.length;
```

08

```
if ((block.timestamp - automations[adr].lastrun)
>= (automations[adr].runhours*3600)) {
//86400=24hrs, 3600=1hr, 7200=2hr, 10800=3rs,
14400=4hrs 21600=6hrs, 43200=12hrs, 64800=18
```

09

```
if(automations[adr].day == 7 && ((block.timestamp -
automations[adr].dayrun) >= (24*3600))) {
automations[adr].day = 1;
automations[adr].lastrun = automations[adr].lastrun +
(automations[adr].runhours*3600);
automations[adr].dayrun = automations[adr].dayrun +
(24*3600); sellAutoPlatin(adr)
```

10

```
percentage setters */ // 2592000 - 3%,
2160000 - 4%, 1728000 - 5%, 1440000 - 6%,
1200000 - 7%, 1080000 - 8% // 959000 - 9%,
864000 - 10%, 720000 - 12%, 575424 - 15%,
540000 - 16%, 479520 - 18%
```

11

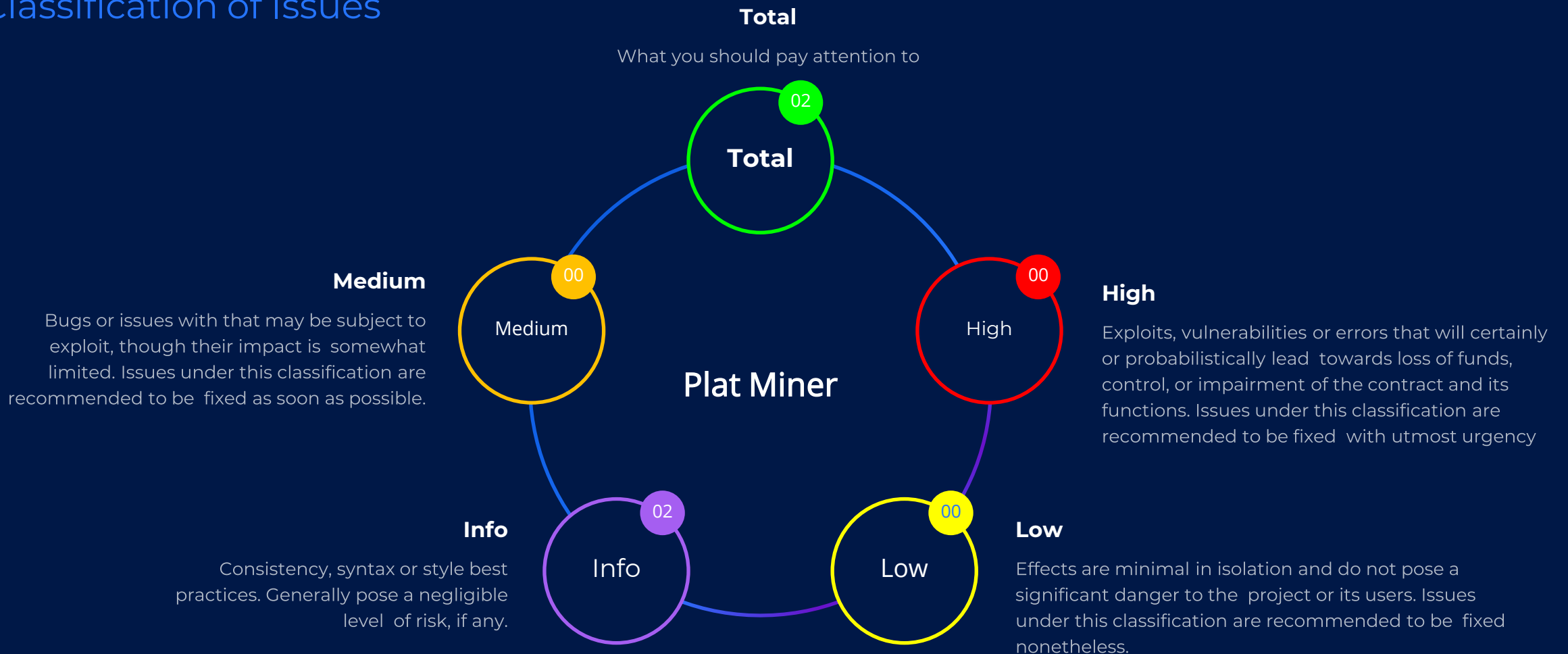
```
functionPRC_MARKET_PLATIN_DIVISOR(uint25
6 value) external { require(msg.sender ==
owner, "Admin use only."); require(value <=
50); /** 50 = 2% */
```

12

```
function SET_WITHDRAWAL_TAX(uint256 value)
external { require(msg.sender == owner, "Admin
use only."); require(value <= 800); /** Max Tax is
80% or lower */ WITHDRAWAL_TAX = value;
```

Technical Findings Summary

Classification of Issues





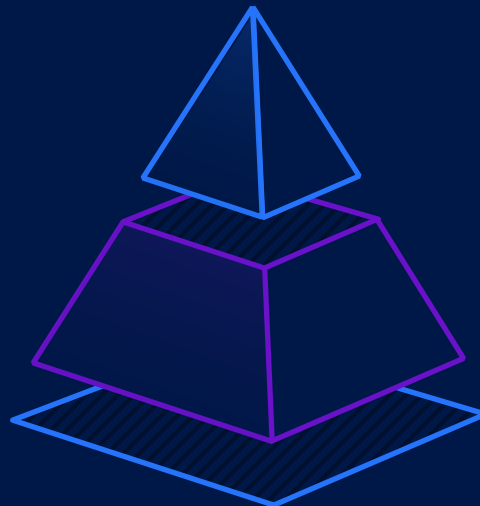
Privileged Functions (onlyOwner & Others)

Function Name	Parameters	Visibility
✓ renounceOwnership	▪ none	▪ external
✓ transferOwnership	▪ address newOwner	▪ public
✓ prepareForPartherOrExchang eListing	▪ address_partnerOrExchangeAddress	▪ external
✓ setWalletBalance	▪ uint256 _maxWalletBalance	▪ external
✓ setMaxBuyTransaction	▪ uint256 _maxTxn	▪ external
✓ setMaxSellTransaction	▪ uint256 _maxTxn	▪ external
✓ updateBusdDividendToken	▪ address _newContract	▪ external
✓ updateMarketingWallet	▪ address _newWallet	▪ external
✓ setSwapTokensAtAmount	▪ uint256 _swapAmount	▪ external
✓ setSellTransactionMultiplier	▪ uint256 _multiplier	▪ external
✓ setTradingIsEnabled	▪ none	▪ external
✓ setBusdDividendEnabled	▪ bool _enabled	▪ external
✓ setMarketingEnabled	▪ bool _enabled	▪ external
✓ setSwapAndLiquifyEnabled	▪ bool _enabled	▪ external
✓ updatebusdDividendTracker	▪ address newAddress	▪ external
✓ updateUniswapV2Router	▪ address newAddress	▪ external



Privileged Functions (onlyOwner & Others)

Function Name	Parameters	Visibility
✓ <code>excludeFromFees</code>	▪ <code>address account, bool excluded</code>	▪ public
✓ <code>excludeFromDividend</code>	▪ <code>address account</code>	▪ public
✓ <code>setAutomatedMarketMakerPair</code>	▪ <code>address pair, bool value</code>	▪ external
✓ <code>updateGasForProcessing</code>	▪ <code>uint256 newValue</code>	▪ external
✓ <code>updateMinimumBalanceForDividends</code>	▪ <code>uint256 newMinimumBalance</code>	▪ external
✓ <code>updateClaimWait</code>	▪ <code>uint256 claimWait</code>	▪ external
✓ <code>processDividendTracker</code>	▪ <code>uint256 gas</code>	▪ external





Disclaimer

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