



# SECURITY AUDIT

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winBNB

<https://bscscan.com/address/0x32774a15f0a2aae67402cF13f41d4e80CB22bbCF>

[www.winbnb.io](http://www.winbnb.io)



## **CRITICAL ISSUES (critical, high severity): 0**

Critical and harmful access for owners, user block ability, Bugs and vulnerabilities that enable theft of funds, lock access to funds without possibility to restore it, or lead to any other loss of funds to be transferred to any party.

## **ERRORS, BUGS AND WARNINGS (medium, low severity): 0**

Bugs can negatively affect the usability of a program, errors that can trigger a contract failure, Lack of necessary security precautions, other warnings for owners and users, warning codes that are valid code but the compiler thinks are suspicious.

## **OPTIMIZATION (low severity):1**

Methods to decrease the cost of transactions in Smart-Contract.

## **RECOMMENDATIONS (very low severity): 1**

Hint and tips to improve contract functionality and trustworthy.

## **Conclusion:**

In the **winBNB** Smart-Contract were found no vulnerabilities, no backdoors and no scam scripts.

The code was tested with compatible compilers and simulate manually reviewed for all commonly known and specific vulnerabilities.

So **winBNB** Smart-Contract is safe for use in Binance Smart Chain main network.

## Optimization suggestions

1- Loop on the dynamic variable (low severity)

If the user gets more parallel deposits his withdraw transaction going to cost more transaction fee, because the loop on the dynamic variable is used in the 'withdraw' function.

In case of exceeding the GAS limit of the size of transaction withdraw is not possible.

Note:

This comment is relevant only if a user creates an excessive amount of parallel deposits (more than 100).

## Independent description of the smart-contract functionality

The **winBNB** smart-contract provides the opportunity to invest any amount in BNB (from 0.05 BNB) in the contract and get a 120 to unlimited return on investment in four different plans if the contract balance has enough funds for payment.

- Dividends are paid from deposits of users.
- All dividends are calculated at the moment of request and available for withdrawal at every 36 hours
- Each subsequent Deposit is kept separately in the contract, in order to maintain the payment amount for each Deposit.

**Launch Date: Apr 16 2021 17:00:00 GMT+0000**

### Contract Owners Fee

DEVELOPER: 4%

MARKETING: 4%

FUND: 4%

### FOUR INVESTMENT PLANS

Plans	Total Retun	Days	Daily Profit
1	unlimited	forever	5%
2	200%	20	10%
3	150%	10	15%
4	287%	15	19.1%

### Notes:

- Minimum deposit amount is 0.05 BNB

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## Referral System (Match Bonus)

This contract pays referrals in five-level with a totally of 8.1%

- Level one: 4%
- Level two: 2%
- Level three: 2%
- Return to investor: 0.1%

### Notes:

- Referral should be an active user. it means referral address has at least one deposit
- Referrer is specified once at the time of the first deposit and is assigned to the user without the possibility of changing. From each subsequent Deposit, the referrer will get his percent.
- if a user has not a referrer all referral amount transfer to owners.

### Withdraw Limit:

users can only withdraw every 36 hours

### Notes and Hints:

- in this contract based on function "grant", user can send BNB create new deposit for another address and his address is upline.

```
function() external payable {
    if (msg.value == 0) {
        withdraw();
    } else {
        invest(0, 0); //default to buy plan 0, no referrer
    }
}
```

- Based on above code if an address sends BNB directly to the contract address, a deposit will be created for him without a referral
- If an address sends zero amount directly to the contract address withdraw function runs automatically. :

## winBNB Smart-Contract Functions

- Constructor: initial referral commissions, owner address and start date and min deposit amount
- Register: register a new user
- deposit make a new deposit
- withdraw: transfer user profit to his wallet
- reinvest: reinvest available dividends
- collect: calculate and update dividends
- transferPayout: transfer withdrawable amount to user wallet
- distributeRef calculate and transfer referral commissions
- getProfit return user profit
- getAffsums return total referrals
- contractBalance: return contract balance minus dev commission
- claimDevincome: withdraw developer commission, only owner can call it, can not withdraw more than dev calculated amount

## Disclaimer:

This audit is only to the Smart-Contract code at the specified address.

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The audit makes no statements or warranties about the suitability or sustainability of the business model or regulatory regime for the business model. Do take in consideration that you are doing all financial actions & transactions at your own risk, especially if you are dealing with high-risk projects / Dapps.

## **DappKing Security** **04/15/2021**

All official info available:

Website: <https://dappking.net/>

If you are interested in developing/auditing of Smart-Contracts, please contact us.

Telegram: @dappking\_official

Email: [admin@dappking.net](mailto:admin@dappking.net)

