



# SECURITY AUDIT

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## ETC UP

<https://etc.tokenview.com/en/address/0x723c8f0752e30d70e41f8257972b73c298f2884e>

<https://etcup.app/>

## **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): 0**

Hint and tips to improve contract functionality and trustworthy.

## **Conclusion:**

In the **ETC UP** 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 **ETC UP** Smart-Contract is safe for use in ETC Mainnet.

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## 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.

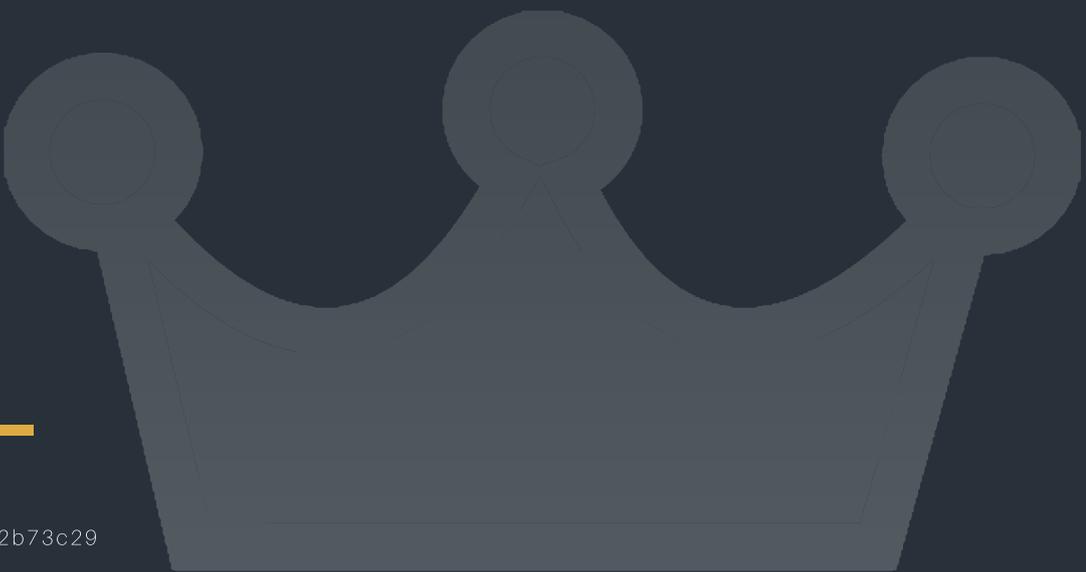
Note:

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

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## Independent description of the smart-contract functionality

The **ETC UP** smart-contract provides the opportunity to invest any amount in ETC (from 0.5 ETC) in the contract and get 150% to 640% return on investment in 7 to 21 days 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 anytime or after the deposit finished time based on plans
- Each subsequent Deposit is kept separately in the contract, in order to maintain the payment amount for each Deposit.

Launch Date: Tue May 18 2021 14:00:00 GMT+0000

### Contract Owners Fee

dev Fee: 5%

Insurance Fee: 5%

### FOUR INVESTMENT PLANS

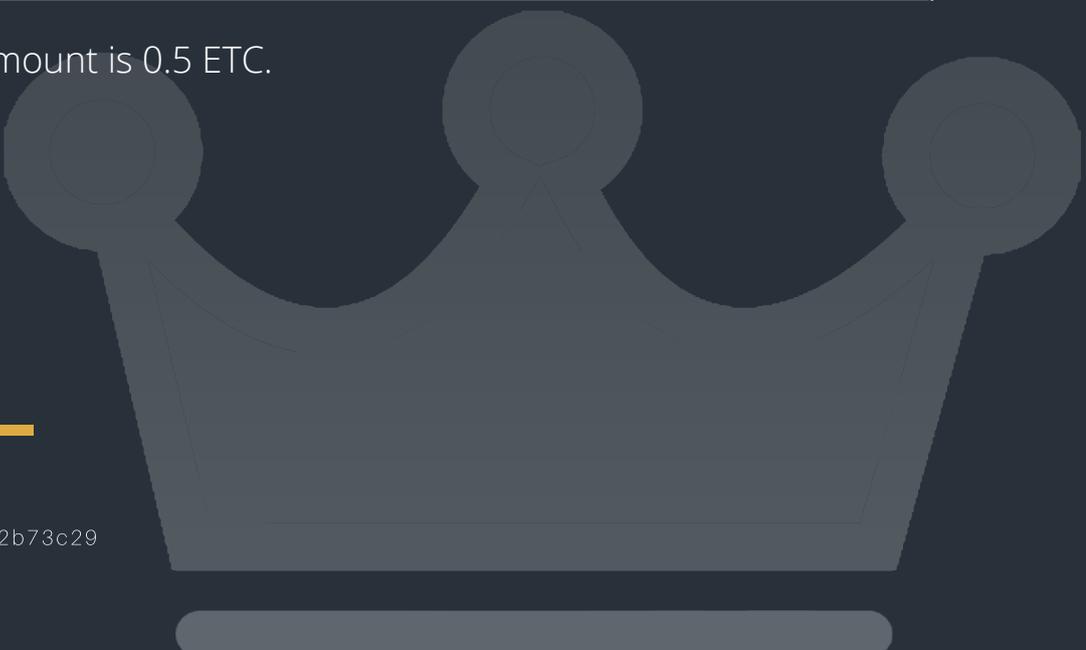
Plans	Total Retun	Days	Daily Profit	Withdraw time
1	280%	14	20%	Any Time
2	150%	7	21.4%	Any Time
3	388%	14	27.7%	End of Plan
4	640%	21	30%	End of Plan

The minimum deposit amount is 0.5 ETC.

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## Float Plans

After launch, each day plans profit will change

- Daily profit of plans will increase 0.5% daily

## Referral System (Match Bonus)

This contract pays 12% referrals commissions over 3 levels

- Level one: 7%
- Level two: 3%
- Level three: 2%

## Notes:

- Referral should be an active user; it means referral address has at least one deposit

## Reinvest system

Users can reinvest available dividends of plan 1 and referral commissions

- Reinvest make a new deposit with 20% extra amount as a reinvest reward

## Hold bonus

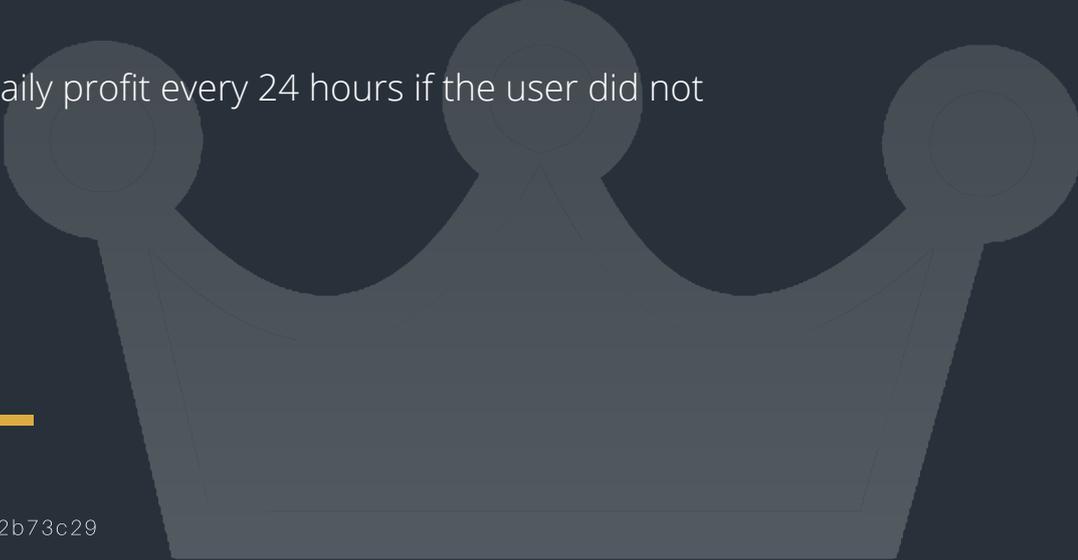
Users can get an extra daily profit every 24 hours if the user did not withdraw.

- On Withdraw: 1%
- OnReinvest: 0.1%

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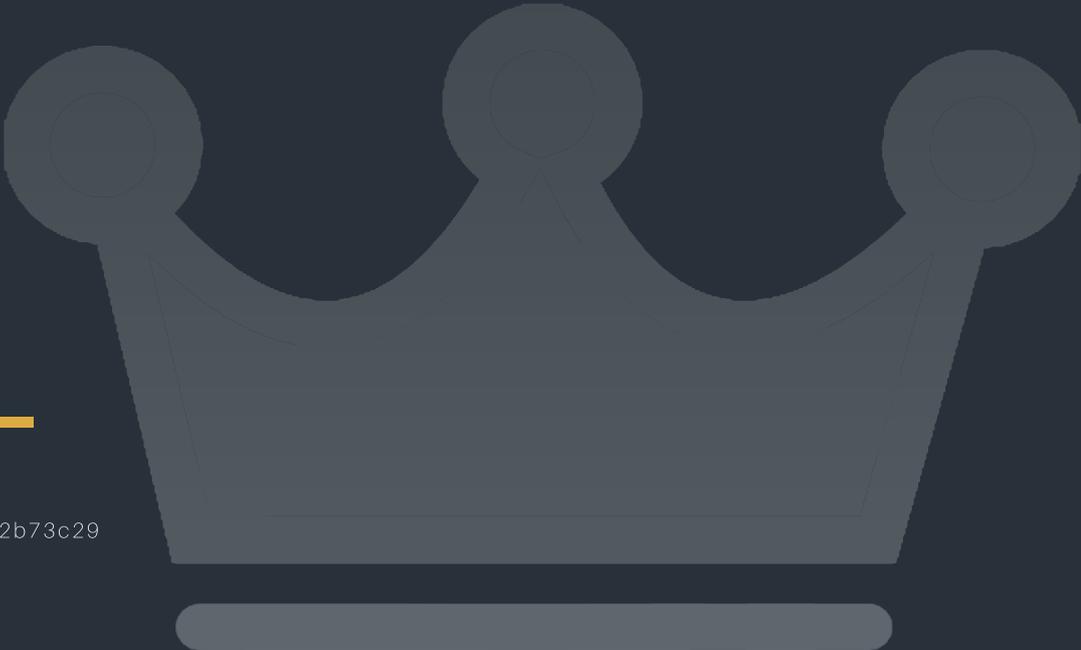
## ETC STAKE Smart-Contract Functions

- Constructor: initial plans, owner address and start date
- getStartTimeAnd8Pm: return time which didn't use in contract
- invest: make a new deposit
- reinvest: make a new deposit by reinvest
- withdraw: transfer user profit to his wallet
- getContractBalance: return contract balance
- getPlaninfo: return plan info
- getPercent return calculated percent
- getResult: return deposit calculated percent, profit and finish date
- getUserDividends: return user dividends
- getUserCheckpoint: return user checkpoint
- getUserReferrer: return user referrer
- getUserDownlineCount: return referral amount in three level
- getUserReferralBonus: return referral bonus
- getUserReferralTotalBonus: return total referrals
- getUserReferralWithdrawn: return total paid referrals
- getUserAvailable: return user available
- getUserAmountOfDeposits: return deposits amount
- getUserTotalDeposits: return total deposit
- getUserDepositinfo: return a deposit info
- isContract: check the address type

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## Disclaimer:

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

### ETC STAKE:

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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

05/17/2021

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)