



POLYSTAKE 2.0

Website: <https://polystake.site/>

Contract:

<https://polygonscan.com/address/0xf80a63a7273441b519a1b37A11985Ceb307265e7#code/>

PowerSoli

15/08/2021

www.powersoli.com

PowerSoli Audit

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

Hints and tips to improve contract functionality and trustworthiness.

Conclusion:

The **PolyStake 2.0** Smart-Contract were found to have no vulnerabilities, no backdoors, and **no scam scripts**.

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

So **PolyStake** Smart-Contract is safe for use in the Polygon Mainnet Network.

Optimization suggestions.

Loop on the dynamic variable (low severity).

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

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

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

Independent description of the smart-contract functionality

The **PolyStake** smart-contract provides the opportunity to invest any amount in MATIC (from 10 MATIC) in the contract and get 144% to 200% return on investment in 24 to 50 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.
- ✓ Each subsequent Deposit is kept separately in the contract, in order to maintain the payment amount for each Deposit.

Launch Date: Sun August 13 2021

Contract Fee Totally 12%

Prj1: 4%

adv1: 4%

adv2: 4%

SIX INVESTMENT PLANS

Plans	Total Return	Daily Profit	Days	Withdraw Time	Refund
1	144%	6%	24	Any Time	No
2	175%	5%	35	Any Time	No
3	200%	4%	50	Any Time	No
1 ★	144%	6%	24	Any Time	No
2 ★	175%	5%	35	Any Time	No
3 ★	200%	4%	50	Any Time	No

- The minimum deposit amount is 10 MATIC
- Plans 4, 5 and 6 can only be activated with the earnings available to withdraw. Therefore, it is required to have activated a White Plan and have at least 10 MATIC available

Float Plans

Important: Plans purple return are float and daily

- Daily profit of plan purple I will increase 0.3% daily profit for a new deposit will increase by **0.3%** daily.

Referral System (Match Bonus)

This contract pays 8% referrals commissions over 3 level deeps

- Level 1: 5%
- Level 2: 2%
- Level 3: 1%

Notes:

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

POLYSTAKE Smart-Contract Functions

- Constructor: initial plans, owner address and start date
- invest: make a new deposit
- withdraw: transfer user profit to his wallet
- withdrawHold: transfer the earnings corresponding to the user's Hold Bonus to their wallet
- withdrawRef: transfer the earnings corresponding to the user's Referral System to their 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 referred
- 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
- getContractLaunchTime: return launch time
- getUserDepositInfo: return a deposit info
- getUserHoldBonus: return a Hold Bonus info
- isContract: check the address type

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.

PowerSoli

16/08/2021

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

All official info available:

Website: <https://www.powersoli.com>

Telegram Channel: https://t.me/PowerSoli_Audit

