Key To Profit

Smart Contract Audit Final Report





June 26, 2023



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Introduction

1. About KeyToProfit

The #1 payment system in the world. We are glad to present you a universal cryptocurrency payment system - Key to Profit. KTP opens up new opportunities for businesses and investors in the digital age. Visit https://keytoprofit.org/ to know more about.

2. About ContractSecurity

ContractSecurity is a security start-up to provide professional services in the blockchain space. The team has hands-on experience in conducting smart contract audits, penetration testing, and security consulting. ContractSecurity's security auditors have worked on various A-league projects and have a great understanding of DeFi projects like AAVE, Compound, 0x Protocol, Uniswap, dydx.

The team has been able to secure 105+ blockchain projects by providing security services on different frameworks. ContractSecurity team helps start-up with a detailed analysis of the system ensuring security and managing the overall project.

Visit https://contractsecurity.finance to know more about the services.

Documentation Details

The KeyToProfit team has provided the following doc for the purpose of audit:

https://keytoprofit.org/about



Audit Process & Methodology

ContractSecurity team has performed thorough testing of the project starting with analyzing the code design patterns in which we reviewed the smart contract architecture to ensure it is structured and safe use of third-party smart contracts and libraries.

Our team then performed a formal line-by-line inspection of the Smart Contract in order to find any potential issues like Signature Replay Attacks, Unchecked External Calls, External Contract Referencing, Variable Shadowing, Race conditions, Transaction-ordering dependence, timestamp dependence, DoS attacks, and others.

In the Unit testing phase, we run unit tests written by the developer in order to verify the functions work as intended. In Automated Testing, we tested the Smart Contract with our in-house developed tools to identify vulnerabilities and security flaws.

The code was audited by a team of independent auditors which includes -

- Testing the functionality of the Smart Contract to determine proper logic has been followed throughout.
- 2. Analyzing the complexity of the code by thorough, manual review of the code, line-by-line.
- 3. Deploying the code on testnet using multiple clients to run live tests.
- 4. Analyzing failure preparations to check how the Smart Contract performs in case of bugs and vulnerabilities.
- 5. Checking whether all the libraries used in the code are on the latest version.
- 6. Analyzing the security of the on-chain data.

Audit Details

Contract: 0x2559021Ea94Cb061761aA6c6b15D97A86fBA646E

Compiler Version: v0.8.19+commit.7dd6d404

Blockchain: Binance Smart Chain
Contract Name: KeyToProfit
Token Name: KeyToProfit

Symbol: KTPDecimals: 18

Total Supply: 21,000,000 KTP

Owner Address: 0xA98FBc8D22C156B4488D0EAA516F51E910307d2A

Deployment Date: Jun-25-2023 11:06:46 PM +UTC, Block 29422769



Conclusion:

The KeyToProfit Smart-Contract found no vulnerabilities, no backdoors, and no scam scripts. The code was tested with compatible compilers and simulated manually reviewed for all commonly known and specific vulnerabilities.

So, KeyToProfit Smart-Contract is safe for use in the Binance Smart Chain main network.

Security Level References

Every issue in this report was assigned a severity level from the following:

HIGH ISSUES will bring problems and should be fixed.

ERRORS, WARNINGS and OPTIMIZATION could potentially bring problems and should eventually be fixed.

NOTICE are minor details and warnings that can remain unfixed but would be better fixed at some point in the future.

		CRITICAL ISSUES
HIGH ISSUES	(High, medium severity)	0
ERRORS, WARNINGS	(Medium, low severity)	0
OPTIMIZATION	(Low severity)	0
NOTICE	(Very low severity)	0



HIGH ISSUES

No issues were found.

ERRORS, WARNINGS

No issues were found.

OPTIMIZATION

No issues were found.

NOTICE

No issues were found.

NOTICE:

The owner can control such functions:

SetTaxSell

Sets the commission parameter for the sale, as well as the address of the commission recipient. The commission cannot be more than 30% (from 0 to 30)

SetBurnFeePercent

sets the burning percentage parameter (from 0 to 2)

AddAddressLiquidity

sets liquidity address

RemoveAddressLiquidity

removes liquidity address



Source code:

```
*Submitted for verification at BscScan.com on 2023-06-25
// SPDX-License-Identifier: MIT
interface IERC20 {
                     function totalSupply() external view returns (uint256);
    function transfer(address recipient, uint256 amount) external returns (bool);
    function approve(address spender, uint256 amount) external returns (bool);
   event Transfer(address indexed from, address indexed to, uint256 value);
    // Counterpart to Solidity's `+` operator.
    function add(uint256 a, uint256 b) internal pure returns (uint256) {
        require(c >= a, "SafeMath: addition overflow");
   // Counterpart to Solidity's `-` operator.
    // Counterpart to Solidity's `-` operator.
    function sub(uint256 a, uint256 b, string memory errorMessage) internal pure returns
        require(b <= a, errorMessage);</pre>
        return c;
```



```
// Counterpart to Solidity's `*` operator.
             // Gas optimization: this is cheaper than requiring 'a' not being zero, but the
             // benefit is lost if 'b' is also tested.
             // See: https://github.com/OpenZeppelin/openzeppelin-contracts/pull/522
             uint256 c = a * b;
         // Counterpart to Solidity's `/` operator.
         function div(uint256 a, uint256 b) internal pure returns (uint256) {
             return div(a, b, "SafeMath: division by zero");
         // Counterpart to Solidity's `/` operator.
         function div(uint256 a, uint256 b, string memory errorMessage) internal pure returns (uint256) {
             // Solidity only automatically asserts when dividing by 0
             return c;
         // Counterpart to Solidity's `%` operator.
         function mod(uint256 a, uint256 b) internal pure returns (uint256) {
         // Counterpart to Solidity's `%` operator.
         // Empty internal constructor, to prevent people from mistakenly deploying
         function msgSender() internal view returns (address payable) {
     function msgData() internal view returns (bytes memory) {
             this; // silence state mutability warning without generating bytecode - see https://
githab.com/ethereum/solidity/issues/2691
             return msg.data;
        address private owner;
         event OwnershipTransferred(address indexed previousOwner, address indexed newOwner);
```



```
modifier onlyOwner() {
    require( owner == msgSender(), "onlyOwner");
function renounceOwnership() public onlyOwner {
   emit OwnershipTransferred( owner, address(0));
function transferOwnership(address newOwner) public onlyOwner {
function transferOwnership(address newOwner) internal {
    require(newOwner != address(0), "Ownable: new owner is the zero address");
using SafeMath for uint256;
mapping(address=>bool) addressesLiquidity;
function getTaxSum(uint256[] memory _percentsTax) internal pure returns (uint256)
        TaxSum = TaxSum.add( percentsTax[i]);
    return percentsTaxSell;
```



```
function checkAddressLiquidity(address addressLiquidity) external view returns (bool) {
    function addAddressLiquidity(address addressLiquidity) public onlyOwner {
    function removeAddressLiquidity (address _addressLiquidity) public onlyOwner {
    function setTaxSell(uint256[] memory percentsTaxSell, address[] memory
        uint256 TaxSum = getTaxSum(_percentsTaxSell);
        percentsTaxSell = _percentsTaxSell;
        return (percentsTaxSell, addressesTaxSell);
        return getTaxSum(percentsTaxSell);
        require(burnFee <= 2, "Burn fee cannot be more than 2%");</pre>
   mapping(address => uint256) private balances;
   mapping(address => mapping(address => uint256)) private allowances;
   uint8 public _decimals;
string public _symbol;
   string public name;
   constructor() {
        _symbol = "KTP";
        emit Transfer(address(0), msg.sender, _totalSupply);
```



```
return owner();
function decimals() external view returns (uint8) {
function symbol() external view returns (string memory) {
function name() external view returns (string memory) {
function totalSupply() external view returns (uint256) {
function balanceOf(address account) external view returns (uint256) {
function allowance(address addressOwner, address spender) external view returns (uint256) {
function approve(address spender, uint256 amount) external returns (bool) {
    approve(msg.sender, spender, amount);
    return true;
function transferFrom(address sender, address recipient, uint256 amount) external returns
    _approve(sender, msg.sender, _allowances[sender][msg.sender].sub(amount, _"Transfer
function increaseAllowance(address spender, uint256 addedValue) public returns (bool) {
    _approve(msg.sender, spender, _allowances[msg.sender][spender].add(addedValue));
   _approve(msg.sender, spender, _allowances[msg.sender][spender].sub(subtractedValue,
```



```
balance");
                  balances[sender] = balances[sender].sub(amount);
                  uint256 amountTax = 0;
                  uint256 amount burnFee = 0;
                       for (uint i; i < SwapBurn.getPercentsTaxSell().length; i++) {</pre>
                           _balances[SwapBurn.getAddressesTaxSell()[i]] =
                      emit Transfer(sender, recipient, amountRecipient);
                      if (burnFee> 0)
                        emit Transfer(sender, address(0), amount burnFee);
                  require(spender != address(0), "Approve to the zero address");
                  emit Approval(addressOwner, spender, amount);
```



Disclaimer

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

Keytoprofit.org is a 3rd party auditing company that works on audits based on client requests. And as a professional auditing firm, we check on the contract for any vulnerabilities, backdoors, and/or scam scripts.

Therefore:

We are not financial advisors nor do we partner with the contract owners

Operations and website administration are fully on the client's side

We do not have influence over client operations, which can lead to website changes, withdrawal function closes, etc. One always has the option to do this through the contract.

Any concerns about the project themselves need to be raised directly to the project owners and not through Keytoprofit.org

Investors are not in any way obliged, coerced, or influenced to invest in projects audited by Keytoprofit.org.

We are not responsible for your funds or guarantee you profits.

We highly recommend that investors do their own research and gain crypto experience before investing