

**MargiX Smart Contract Audit Report**

Address: *0x1412f6aa5adc77c620715bb2a020aa690b85f68a*

MD5: *46796144bbb260aecbd0b5c07480ac7e*

Scored higher than 25% of similar code amongs 50.000 smart contracts audited by thirdparty.

Score: 90

Threat Level: Elevated

Number of Lines: 371

**Overview**

|  |  |
| --- | --- |
| Code Class | EVM Coverage |
| BasicToken | 99.6% |
| Blacklisted | 99.8% |
| BurnableToken | 99.8% |
| MargiXToken | 100.0% |
| MintableToken | 99.9% |
| MultiOwnable | 99.8% |
| SafeMath | 100.0% |
| StandardToken | 99.9% |

**6 Vulnerabilities Found**

BasicToken

Integer Overflow found near or at lines 40 (Low risk)

Blacklisted

Integer Overflow found near or at lines 272 (Low risk)

BurnableToken

Integer Overflow found near or at lines 40 (Low risk)

MargiXToken

Integer Overflow found near or at lines 40, 272 (Low risk)

MintableToken

Integer Overflow found near or at lines 40 (Low risk)

StandardToken

Integer Overflow found near or at lines 40 (Low risk)

**Recommendations**

Consider using exact language version instead. *See line(s): 1*

Missing check on 'msg.data.length' could lead to short-address attack in this ERC20 transfer function. *See line(s): 69, 101*

This ERC20 contract does not have a 'decimals' state variable or a 'decimals()' function. *See line(s): 9*

This ERC20 contract does not have a 'name' state variable or a 'name()' function. *See line(s): 96*

This ERC20 contract does not have a 'symbol' state variable or a 'symbol()' function. *See line(s): 96*

**Vulnerability Checklist**

BasicToken

* Integer Underflow
* Integer Overflow
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

Blacklisted

* Integer Underflow
* Integer Overflow
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

BurnableToken

* Integer Underflow
* Integer Overflow
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

MargiXToken

* Integer Underflow
* Integer Overflow
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

MintableToken

* Integer Underflow
* Integer Overflow
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

MultiOwnable

* Integer Underflow
* Integer Overflo
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

SafeMath

* Integer Underflow
* Integer Overflow
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

StandardToken

* Integer Underflow
* Integer Overflow
* Parity Multisig Bug
* Callstack Depth Attack
* Transaction-Ordering Dependency
* Timestamp Dependency
* Re-Entrancy

**Similar Contracts**

*0xe501aceae5a49228c170cd26fc6b678599c7f217*

*0x3b82941797826cbe845e5092c916a15295905d0f*

*0x7200d6ba3dae1eb92415dbc9a059433126cfb25f*

*0x3ed756481ab4fbfd788267a2235d3cda76c41704*

*0xe933c0cd9784414d5f278c114904f5a84b396919*