

YAM Token smart contract fraud

Contract address: 0x0aacfbec6a24756c20d41914f2caba817c0d8521

```
YAMDelegator.delegateTo(address,bytes) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#792-800) uses delegatecall to a input-controlled function id
    - (success,returnData) = callee.delegatecall(data) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#793)
YAMDelegator.delegateAndReturn() (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#842-853) uses delegatecall to a input-controlled function id
    - (success,None) = implementation.delegatecall(msg.data) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#843)
```

<https://github.com/crytic/slither/wiki/Detector-Documentation#controlled-delegatecall>.

Suggestion : Avoid the usage of the delegatecall function, our balance can transfer directly to untrusted wallet.

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Reentrancy in YAMDelegator._setImplementation(address,bool,bytes) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#444-457):
    External calls:
        - delegateToImplementation(abi.encodeWithSignature(_resignImplementation())) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#448)
        - (success,returnData) = callee.delegatecall(data) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#793)
    State variables written after the call(s):
        - implementation = implementation_ (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#452)
    YAMDelegationStorage.implementation (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#376) can be used in cross function reentrancies:
        - YAMDelegator._setImplementation(address,bool,bytes) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#444-457)
        - YAMDelegator.delegateAndReturn() (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#842-853)
        - YAMDelegator.delegateToImplementation(bytes) (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#808-810)
        - YAMDelegationStorage.implementation (crytic-export/etherscan-contracts/0x0aacfbec6a24756c20d41914f2caba817c0d8521-YAMDelegator.sol#376)
```

<https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-1>.

Apply the check-effect-interaction pattern to the smart contract.