Security Review of

TrueFi Helium Release

May 2022

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Files in scope

Following solidity files:

https://github.com/trusttoken/contracts-helium/tree/f153678ec2ea1e9be8987999b95e2e1682995539

- AutomatedLineOfCredit.sol
- AutomatedLineOfCreditFactory.sol
- BasePortfolio.sol
- BasePortfolioFactory.sol
- ProtocolConfig.sol
- strategies/NonUsOnlyDeposit.sol
- strategies/TransferStrategy.sol
- strategies/WhitelistDeposit.sol
- strategies/WithdrawStrategy.sol

Current status

All discovered issues have been addressed by the developer.

Issues

1. AutomatedLineOfCredit.deposit can be invoked by MANGER_ROLE with arbitrary amount and sender

type: security / severity: medium

`AutomatedLineOfCredit.deposit` is callable by address with `DEPOSIT_ROLE` which in turn can be set by `MANAGER_ROLE`, this means that `MANAGER_ROLE` can call `AutomatedLineOfCredit.deposit` with arbitrary arguments. This allows addresses with `MANAGER_ROLE` to deposit funds into the contract on behalf of users with non-zero token allowance set for the contract. This would be especially problematic if depositors set unlimited allowance to the contract which is often done for convenience sake.

status - addressed

Issue will be addressed by the developer through adding a warning for users in the documentation.