



# Protocol Audit Report

Version 1.0

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# Store Password Audit Report

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## Protocol Summary

Protocol does X, Y, Z

## Disclaimer

The YOUR\_NAME\_HERE team makes all effort to find as many vulnerabilities in the code in the given time period, but holds no responsibilities for the findings provided in this document. A security audit by the team is not an endorsement of the underlying business or product. The audit was time-boxed and the review of the code was solely on the security aspects of the Solidity implementation of the contracts.

## Risk Classification

		Impact		
		High	Medium	Low
Likelihood	High	H	H/M	M
	Medium	H/M	M	M/L
	Low	M	M/L	L

We use the CodeHawks severity matrix to determine severity. See the documentation for more details.



would require the user to remember another password off-chain to decrypt the password. However, you'd also likely want to remove the view function as you wouldn't want the user to accidentally send a transaction with the password that decrypts your password.

[H-2] Fuction for updating the password can be called by anyone, meaning non-owner can change the password

Description: The `PasswordStore::setPassword` function has not the needed access control, but it is intended to be called only by the owner of the contract.

```
1     function setPassword(string memory newPassword) external {
2  @>         // @audit - There are no access controls!
3             s_password = newPassword;
4             emit SetNetPassword();
5     }
```

Impact: Non-owner can change the password calling `PasswordStore::setPassword` function

Proof of Concept: Add the following to the `PasswordStore.t.sol` test file.

Code

```
1     function test_anyone_can_set_password(address randomAddress) public
2     {
3         vm.assume(randomAddress != owner);
4         vm.prank(randomAddress);
5         string memory expectedPassword = "myNewPassword";
6         passwordStore.setPassword(expectedPassword);
7     }
```

Recommended Mitigation: Add an access control conditional to the `PasswordStore::setPassword` function

```
1     if (msg.sender != s_owner) {
2         revert PasswordStore__NotOwner();
3     }
```

**Medium**

**Low**

**Informational**

**Gas**