

DAO Attack 1

Intro

"Rainbow Alliance" is a DAO that uses a token for voting and governance.

There is something wrong with the voting system, can you find the problem?

Accounts

- 0 - Deployer (Has Voting Power)
- 1 - User 1 (Has Voting Power)
- 2 - User 2 (Has Voting Power)
- 3 - User 3 (Doesn't Have Voting Power)

Tasks

Task 1

Execute `npm run dao-attack-1`, all the tests should pass.

Task 2

There is a major bug in the voting system, which is not detected in the tests, find it.

In the `RainbowAllianceToken.sol` file create an `@audit-issue` comment describing the bug.

Task 3

Create a PoC (Proof of Concept) in a form of a test, which catches the bug. The test that you prepare should "fail", since the contract has the bug.