

vault-door-training

The challenge has been implemented as a basic challenge and not an exploitation challenge. The main purpose of this challenge is to find out the password required to open a vault. This has been achieved through the analysis of the Java source code. This challenge is a prelude to other Vault Door challenges that will involve more complex logic in the code.

Instead of attempting to brute-force a password or over-analyzing the code, I opted to analyze the source code. This has been achieved through a command such as "cat VaultDoorTraining.java." This analyzed the Java code used to implement the checkPassword method. The method is used for validating a password. On analyzing this method, I understood that it is a simple comparison with another password.

This is a huge shortcut. Then, I understood that a password is hardcoded into the source code and uses a password.equals() method. This is a simple process since no debugging is required. Once I analyzed the code, I could use it directly. Once I got the password, I could use it with a flag format and obtain a flag. The answer is therefore picoCTF{w4rm1ng_Up_w1tH_jAv4_0009yrGMeEp}.