MINISTRY OF SECURITY

PENETRATION TESTING METHODS - EXPLAINED EASY

BACKGROUND

Penetration testing is used to identify any weaknesses in the system's security before they can be exploited by real attackers.
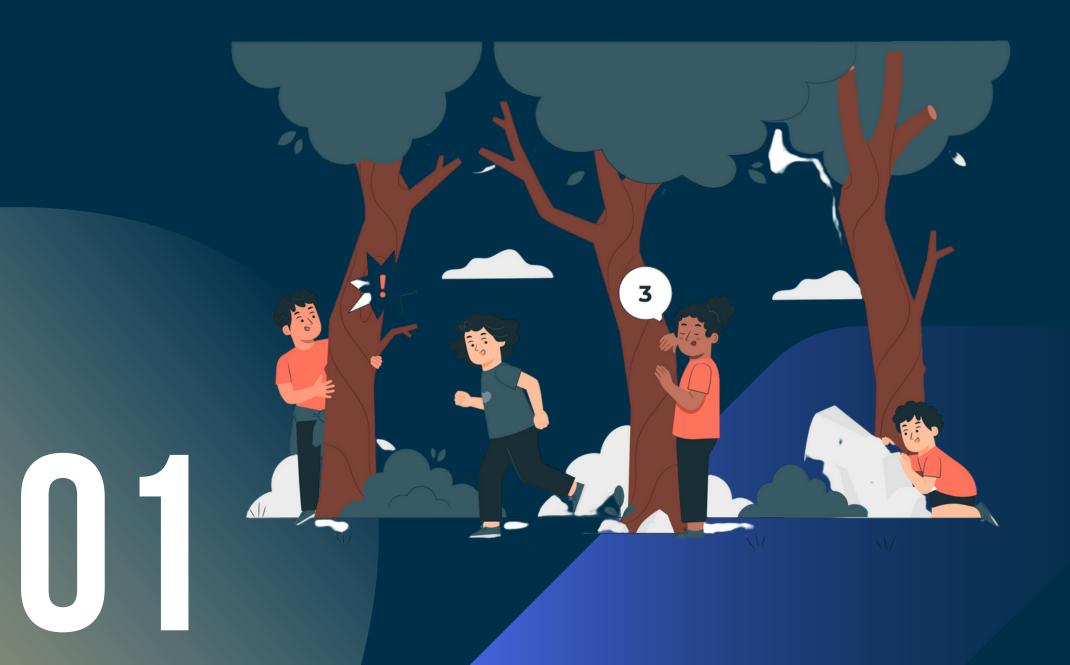
It's like checking for potential weak spots in a fortress before an enemy tries to attack it.

BLACK BOX TESTING

Black box Testing is similar to playing a game of hide-and-seek.

Just like the the "seeker" doesn't know where the "hider" is hiding, black box penetration testing tries to find vulnerabilities in a computer system without knowing anything about how it works or where the weaknesses are.

01

WHITE BOX TESTING

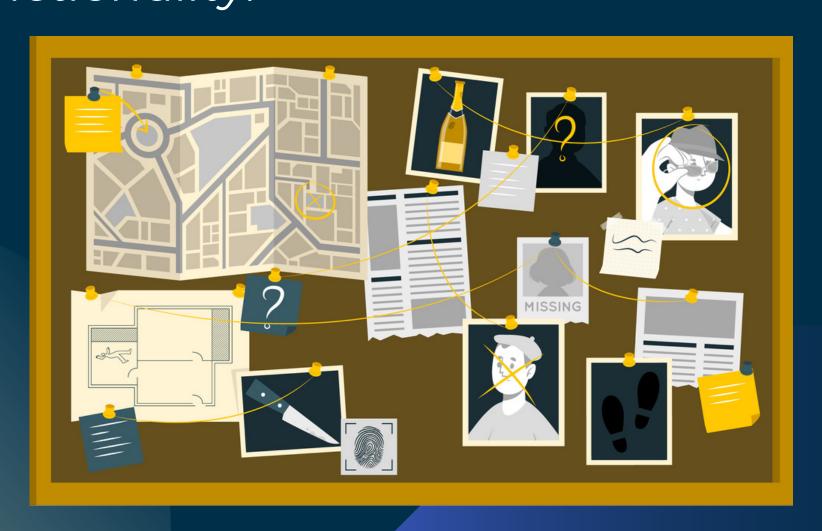White box testing is similar to a treasure hunt.

Just like a treasure hunter has a map and knows where to look for treasure, white box penetration testers have access to the internal workings of a computer system and can hunt for vulnerabilities in the code and design.

02

GREY BOX TESTING

Grey box is simlar to solving a mystery.

Just like a detective who has some information about the crime scene but not everything, grey box penetration testers have some knowledge of the internal workings of a computer system, but not complete access to all its information and functionality.

03

EXTERNAL TESTING

External penetration testing is similar to a burglar trying to break into a house.

Just like a burglar needs to find a way to get into a house from the outside, external penetration testing assesses the security of a computer system from the perspective of an attacker who has no internal access.

04

INTERNAL TESTING

Internal testing is similar to a security guard who ensures that the building is secure.

Just like how a security guard needs to check the building's security from the inside, internal penetration testing assesses the security of a computer system from the perspective of an attacker who has already gained access to the system.

05

TARGETED TESTING

Targeted testing is similar to a spy trying to get information on a particular person or group.

Just like a spy would focus their efforts on a specific target, targeted penetration testing focuses on testing the security of a specific system or application.

06

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