What is CTF 🚩

A Beginner’s Guide to Cybersecurity Challenges - Presented by 0xfke

BUNA BYTE

@bunabyte

Introduction to CTF

- CTF (Capture The Flag) is a cybersecurity competition involving solving challenges to find hidden "flags."
- Flags are pieces of text (usually in a specific format) that prove you solved the challenge.
- Purpose: CTFs are used for learning, practicing, and competing in cybersecurity.
- Participants can work individually or in teams to solve puzzles across various categories.

Types of CTF Challenges

Types of CTF Challenges

Jeopardy-style CTF:

Solve individual challenges across various categories like Web, Cryptography, Forensics, Binary Exploitation, and more.

Attack-Defense CTF:

Teams defend their systems while simultaneously attacking others.

Mixed Format:

A combination of both Jeopardy and Attack-Defense styles for a comprehensive challenge.

Popular CTF Platforms

TryHackMe

- TryHackMe is an interactive cybersecurity platform for all skill levels.

Hack The Box (HTB)

- Offers a variety of CTF challenges with an emphasis on penetration testing and ethical hacking.

PicoCTF

- A beginner-friendly platform hosted by Carnegie Mellon University, designed for new learners in cybersecurity.

OverTheWire

- A series of CTF-like challenges focused on hands-on learning, primarily focused on Linux and system hacking.

TryHackMe

- Provides beginner to advanced-level CTF challenges and training rooms for hands-on learning.
- Offers guided rooms and learning paths tailored to specific cybersecurity topics.
- Great for beginners due to its step-by-step instructions and an easy-to-navigate interface.