IJCO CTF Participants Manual

Welcome to to join the International Junior Cybersecurity Olympiad 2023 Capture The Flag (CTF) competition. Prepare to showcase your cybersecurity prowess as you delve into a captivating adventure filled with our carefully curated lineup of tasks encompasses 40 multiple-choice questions (MCQs) and 15 diverse challenges spanning the domains of cryptography, networking, red teaming, open-source intelligence (OSINT), reverse engineering with Python, and digital forensics. This journey promises to put your skills and creativity to the test across a wide spectrum of cybersecurity disciplines.

- **Competition date** : 09/12/2023
- **Competition Time** : 1:00 pm ~ 5:00 pm
- **Total MCQs** (10 points each, max attempts=1) : 40
- **Total challenges** (100 ~ 500 points each, max attempts=10) : 15
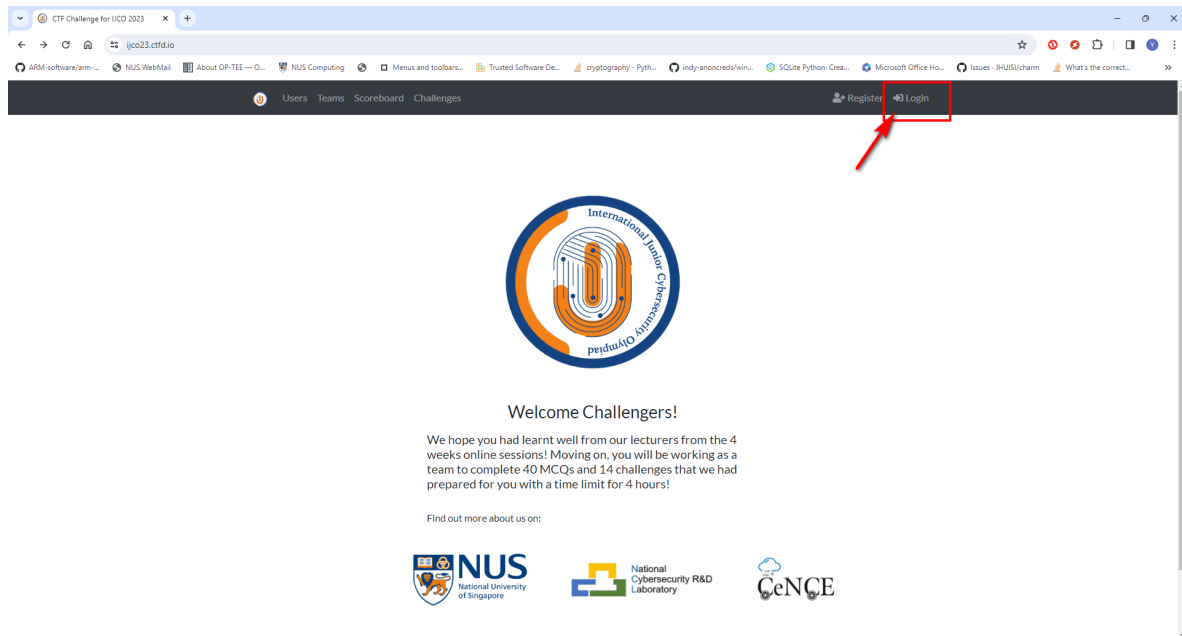- **Free internet access** : Yes.

Introduction

Every participant will get his / her CTF-D web login username + password before the competition, they will also be added in the discord support channel. If you haven't installed the related software, please refer to manual `CTF_Participants_Software_Installation_Manual.pdf` . Below section will introduce how to use the CTF-D web and open a support ticket on Discord.

Steps to Use CTF-D Web

Step 1: Access the IJCO CTF Competition CTF-D Web

IJCO CTF competition URL : https://ijco23.ctfd.io/

The CTF competition home page will shown as below, click the "**login**" button on the top right corner to login with your username and password :
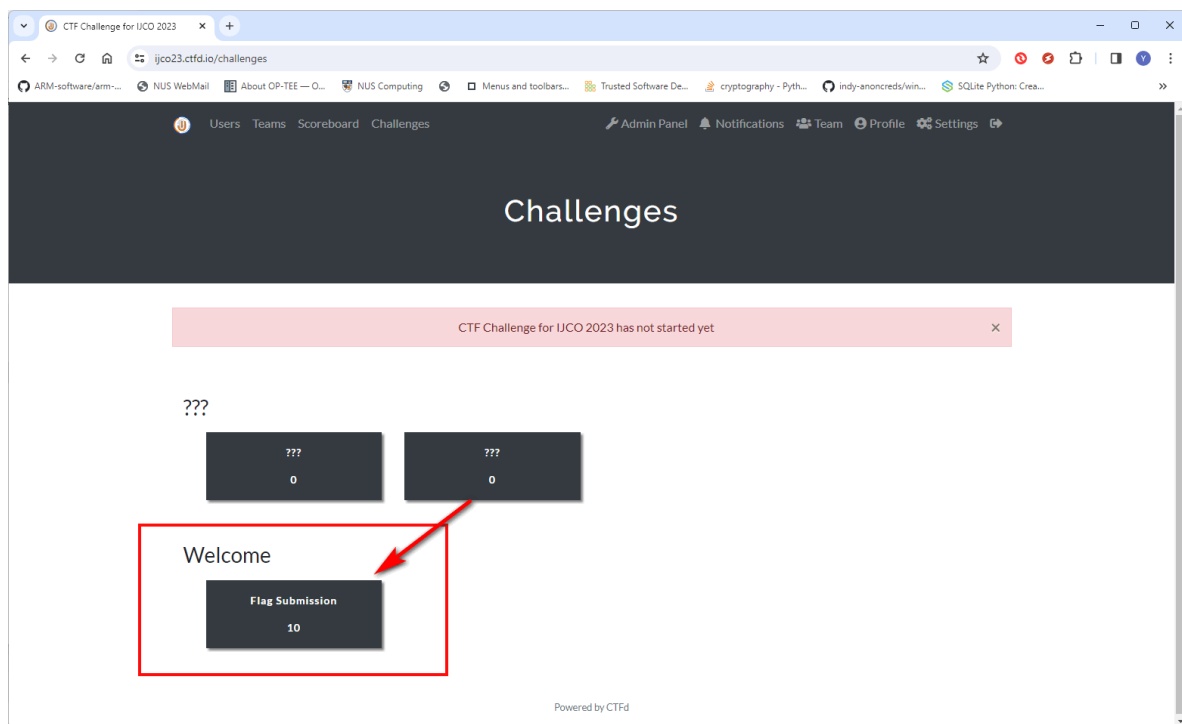
Type in your username and password then press **submit** button:



Step 2 : Access the Question / Challenge

After login you can see the welcome page, click the "Challenge" button at the title line then you can see the first flag submission example. Press the "**Flag Submission**" button and follow the instruction to get 10 free points.

As shown below, the flag submission example will pop-up, please read the instruction carefully and submit your first flag :
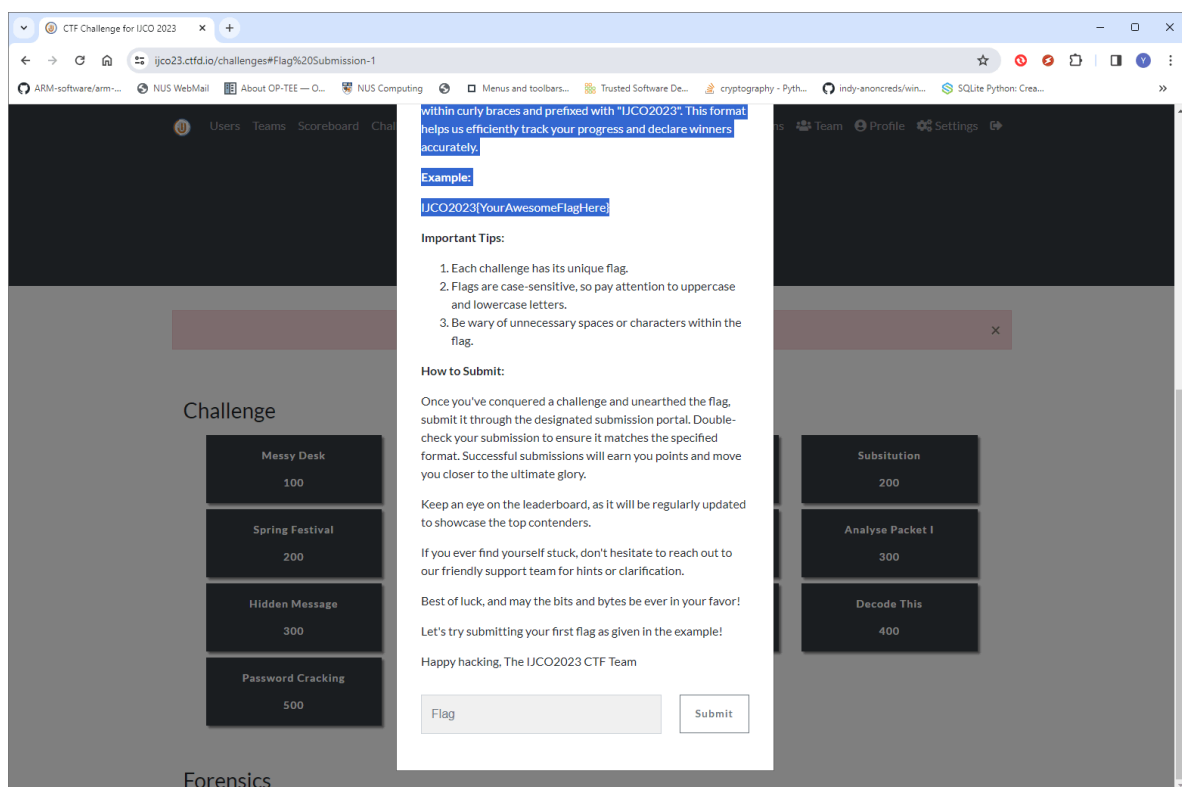

If you submitted the correct flag, the question button will change to green :
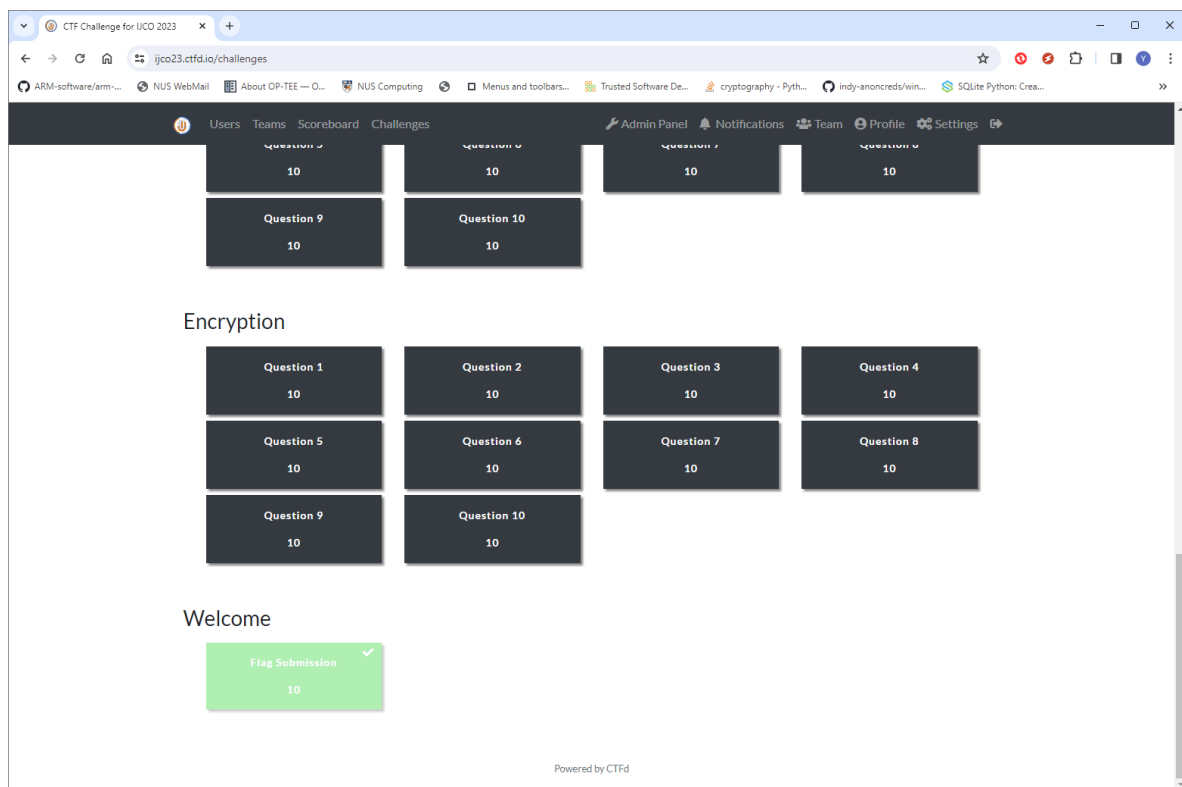
For one team, only need one people to submit. When you did the submission, all the other teammate will see the reasult.

Step 3 : Access MCQ Question

For the MCQ Question, only one choice is correct and your team can only submit once. So you need to be very careful as you are not allow to correct your choice after click the **submit** button :
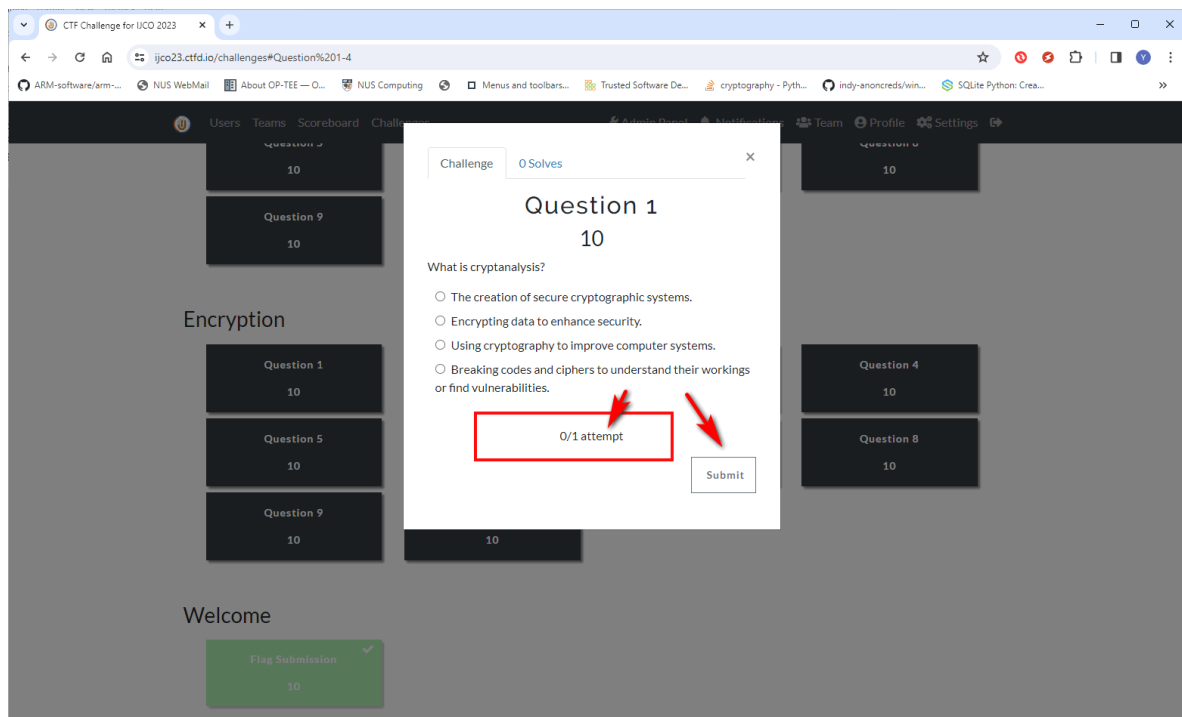

Step 4 : Access the Challenges

For all the challenges, you need to submit the "flag" in the text field which similar as you have done in the welcome.

Flag Submission Guidelines:

To submit your hard-earned flags, make sure to follow this format: `IJCO2023{flag}`. The flag will always be enclosed within curly braces and prefixed with "IJCO2023". This format helps us efficiently track your progress and declare winners accurately.

Example: `IJCO2023{YourAwesomeFlagHere}`

You have 10 attempts to submit your challenge question flag, but every time you submit one incorrect answer, your team challenge total mark will drop by 10%. So it will be good only one people in the team do the submission after you all confirm the answer. (As shown below)
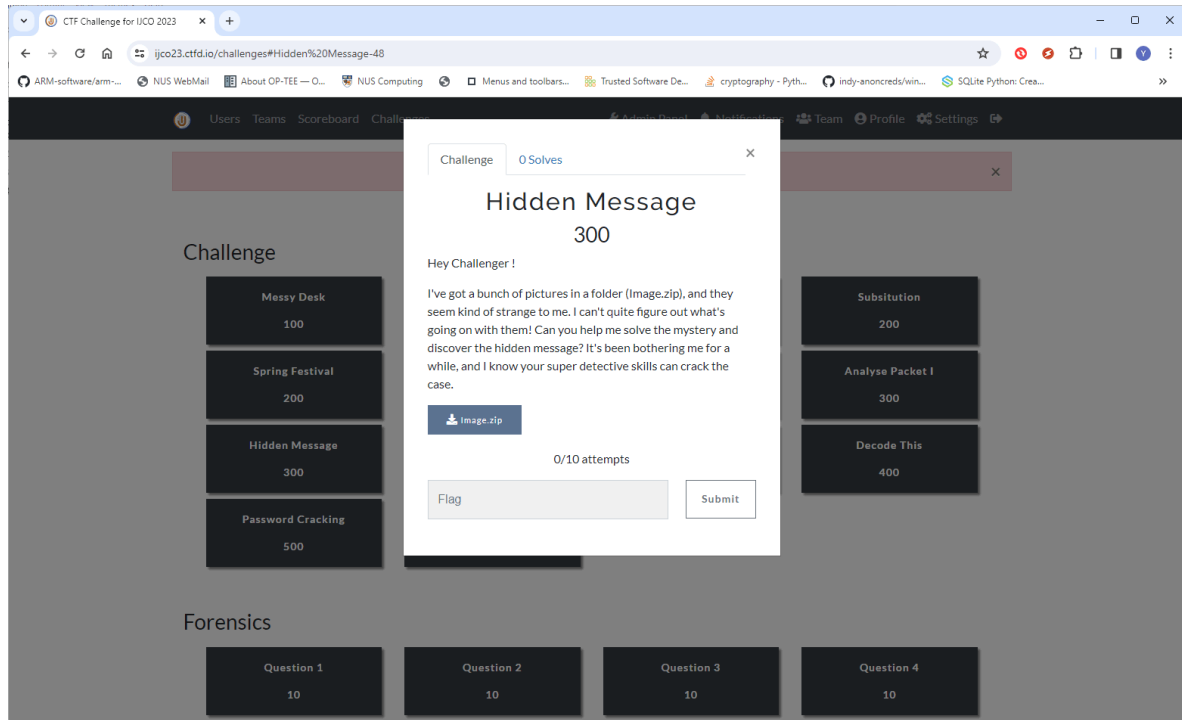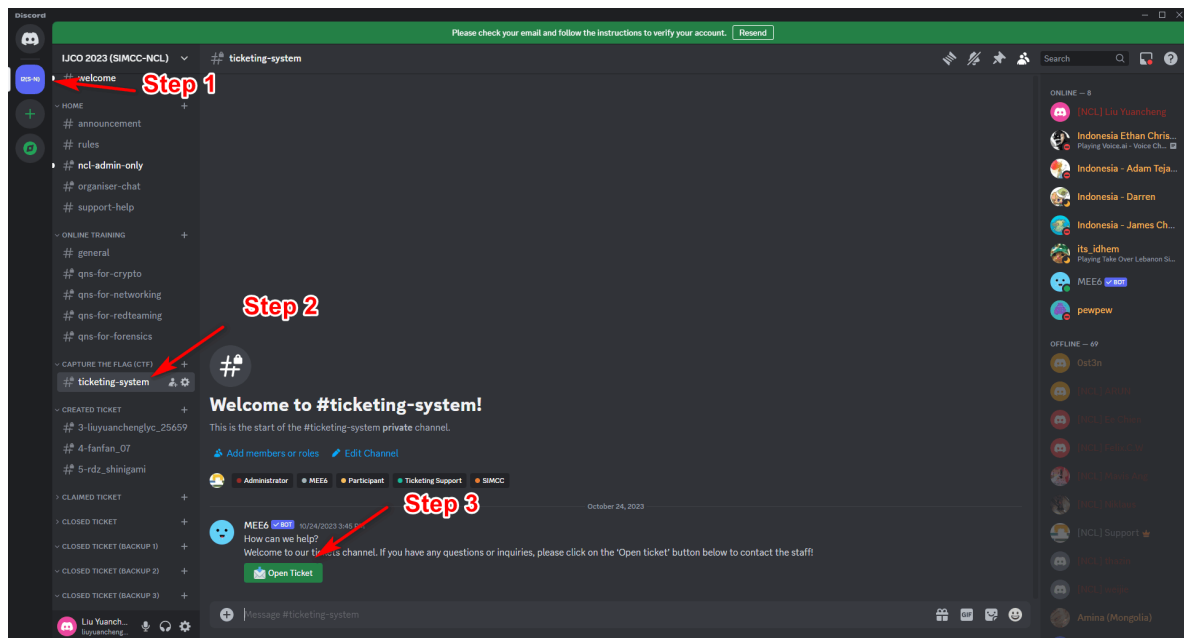

Steps to Open Help Ticket on Discord

If you meet any problem such as can't login the CTF-D web, you can open a help ticket and our support team will help to check. The steps to open a help ticket is shown below :

Create A Help Ticket

- Step 1 : Select the IJCO channel in your discord.
- Step 2 : Select the Capture The Flag > Ticketing-system tag.
- Step 3 : Click the "Open ticket" button.

Using the Ticket

After you created the ticket, your ticket will be put in the "created ticket" group, please type in the description of your problem and our support team will check and try to help you solve the problem.