

# CTF Participants Software Installation Manual

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For every Capture the Flag ( CTF ) participant, please check whether your laptop can match the minimum hardware requirement and please follow the software section to pre-install the program.

## CTF Participants Software Installation Manual

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Software Requirement

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## Hardware Requirement

For each participant who attends the CTF event, he/she needs a laptop which can surf the internet via Wi-Fi, the laptop minimum hardware requirement spec are :

- Intel or AMD dual core 64-bit processor
- 4 GB RAM or higher
- At least one monitor with a resolution of 1024x768 or higher
- At least 5G free disk space or higher

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## Software Requirement

Please make sure the below software is installed in your laptop:

### 2.1 laptop OS

- **Windows:** Windows 7+ or higher
- **Mac:** MacOS 10.11 (El Capitan)+ or higher
- **Linux:** Ubuntu 18.04+ or Debian 10+ or openSUSE 16.2 or Fedora Linux 32+ or higher

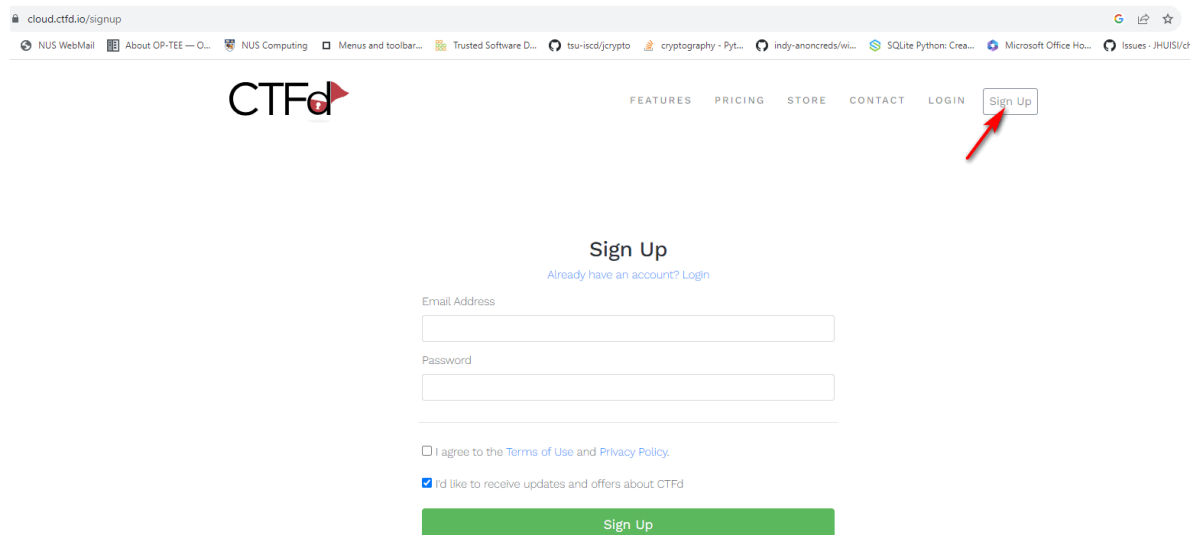
## 2.2 Web-Browser

Participants need to use browser to access the CTF-D web ( <https://ctfd.io/> ) to check and answer questions with any kind of web-browser below ( Click one of the link behind to download the browser installation file ) :

- Google Chrome: [download link](#)
- Firefox 80+: [download link](#)
- Opera : [download link](#)
- Microsoft Edge 17+ (including Chromium Edge 79+ on Windows and macOS) : [download link](#)
- Safari 11+ (available on macOS 10.13 High Sierra and up) : [download link](#)

Before attend the CTF event, please make sure your team have created at least one account in the <https://ctfd.io/>.

- To create a account, press the "sign up" button and use a valid email to create your account as shown below:

A screenshot of a web browser showing the CTFd sign-up page. The browser's address bar shows 'cloud.ctfd.io/signup'. The page has a navigation bar with links for FEATURES, PRICING, STORE, CONTACT, LOGIN, and a 'Sign Up' button highlighted with a red arrow. The main content area is titled 'Sign Up' with a link 'Already have an account? Login'. It contains two input fields for 'Email Address' and 'Password'. Below these are two checkboxes: 'I agree to the Terms of Use and Privacy Policy.' (unchecked) and 'I'd like to receive updates and offers about CTFd' (checked). At the bottom is a green 'Sign Up' button.

cloud.ctfd.io/signup

NUS WebMail About OP-TEE — O... NUS Computing Menus and toolbar... Trusted Software D... tsu-iscd/jcrypto cryptography - Pyt... indy-anoncreds/wi... SQLite Python: Crea... Microsoft Office Ho... Issues - JHUIS/cf

CTFd

FEATURES PRICING STORE CONTACT LOGIN Sign Up

Sign Up

Already have an account? Login

Email Address

Password

☐ I agree to the [Terms of Use](#) and [Privacy Policy](#).

☒ I'd like to receive updates and offers about CTFd

Sign Up

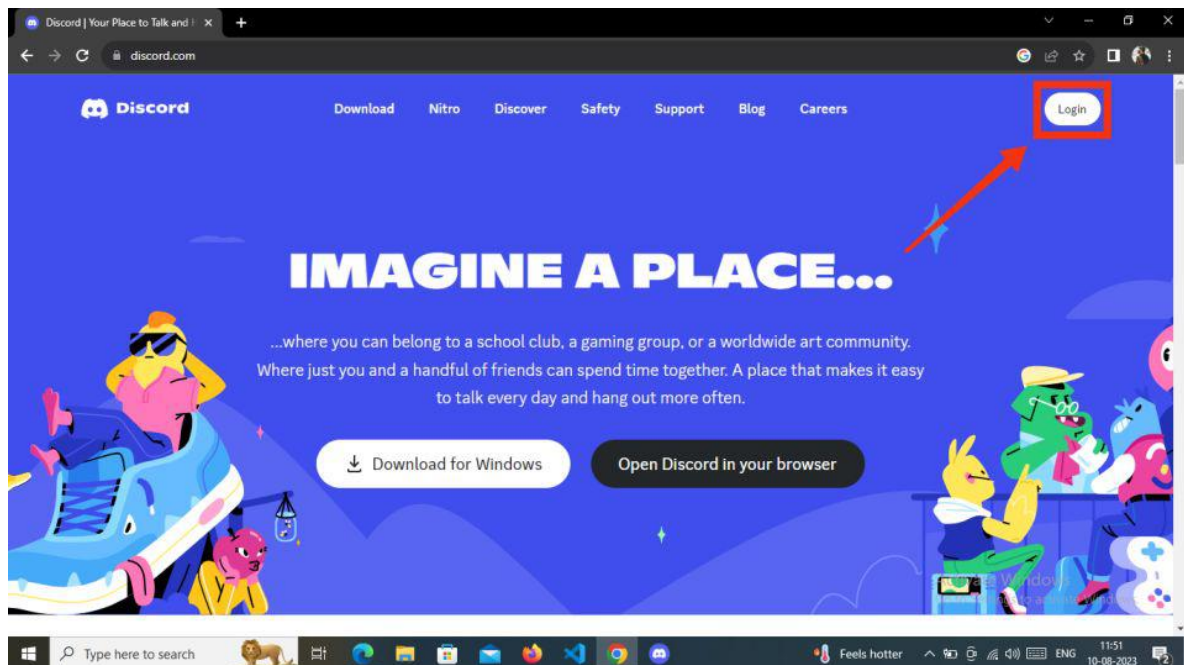
## 2.3 Discord Chat

Participants need to contact the support team for technical assistance via Discord chat tool, download the discord chat tool from this link: <https://discord.com/download>

Then follow below steps to register a Discord account:

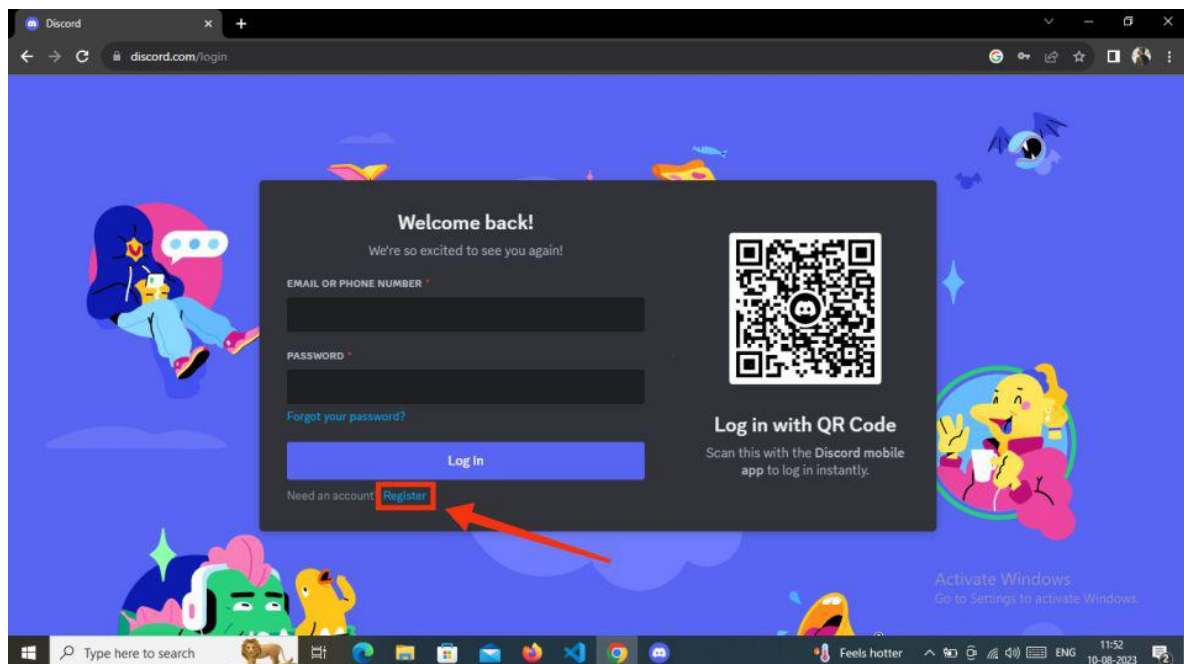
### 2.3.1 Click "Login" Button

After you have visited the official Discord website, proceed to the upper right corner and select the "Login" button.



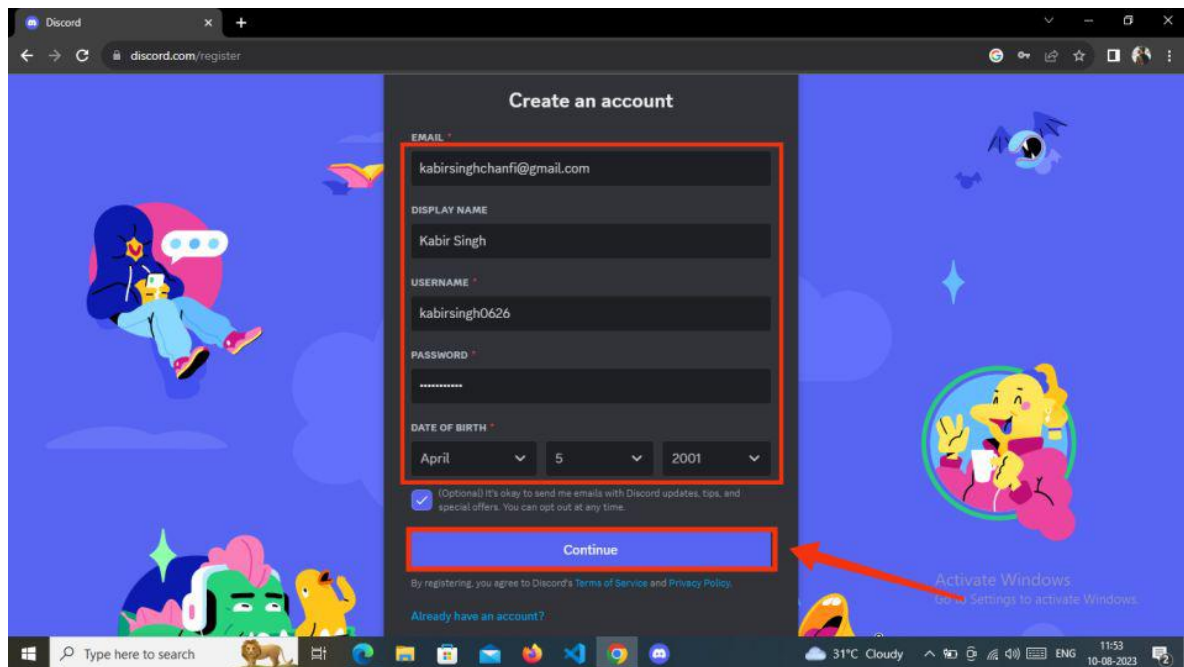
### 2.3.2 Click on “Register” link

Upon reaching the welcome back screen, you will be prompted to log in using your current account. To create a new account on Discord, click on the “Register” option located below the Log In button.



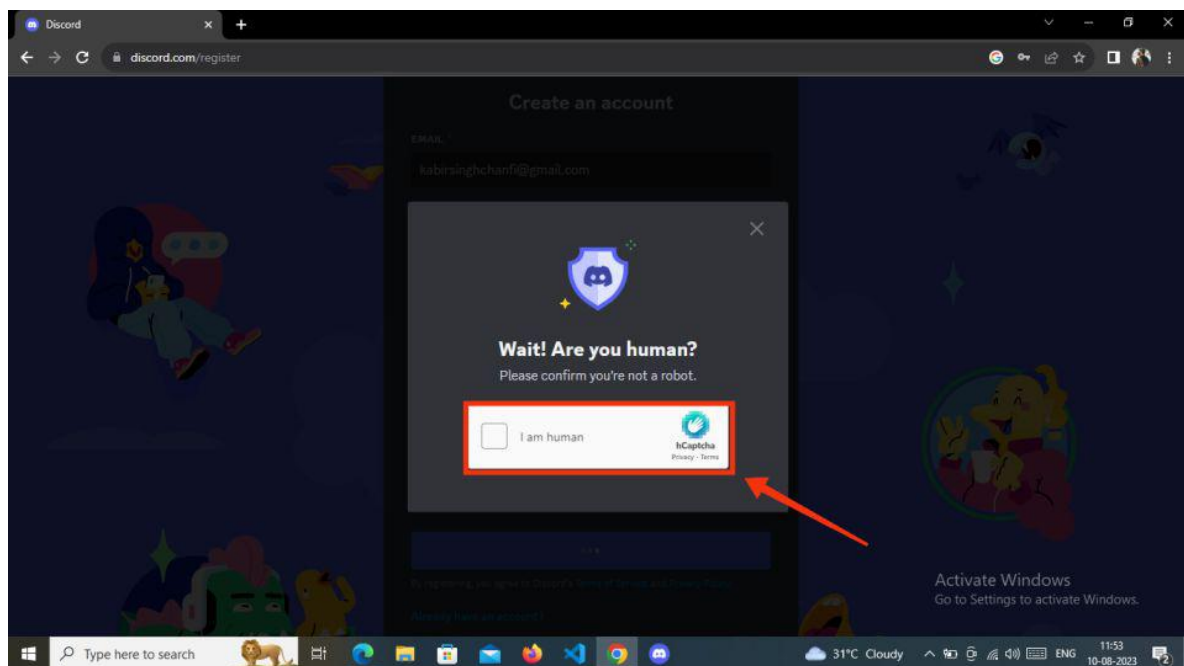
### 2.3.3 Add Your Basic Details and Click Continue

You need to complete the necessary information for creating a new account. This includes your email address, the display name you wish to use on your profile, your chosen Discord username, the password you want to set, and your date of birth. Once you've provided all the required information, click the “Continue” button to proceed to the next step.



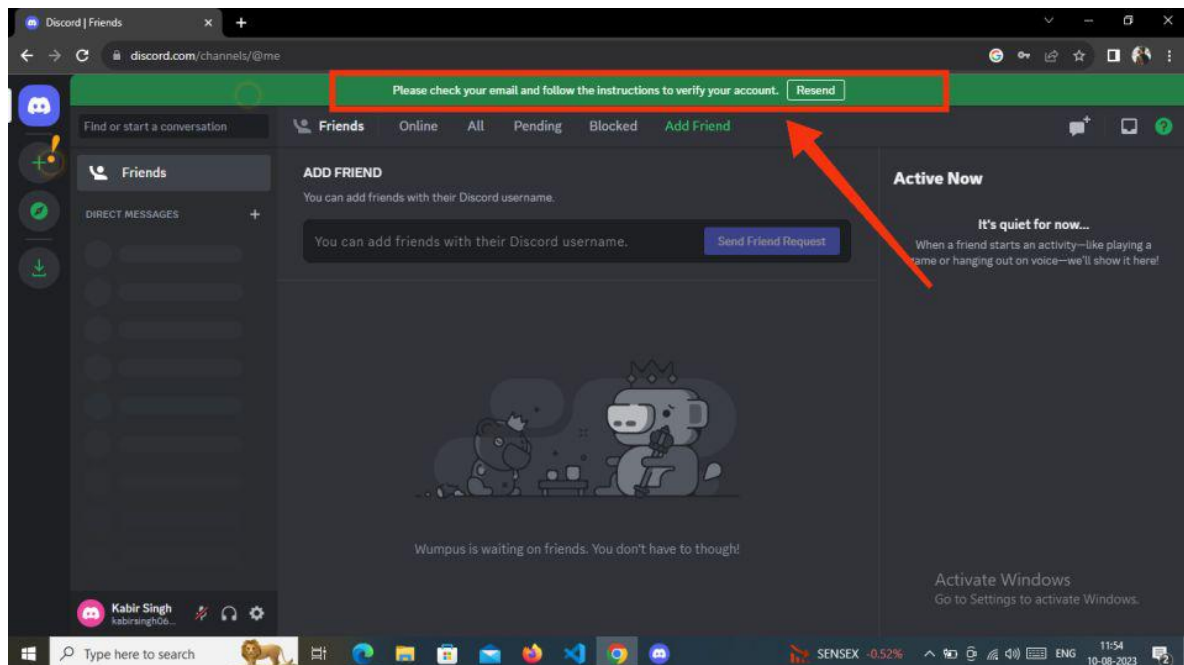
### 2.3.4 Confirm You are Not Robot

A box will now appear that requires confirmation before proceeding to the next step. Verify your human status and proceed to the following stage.



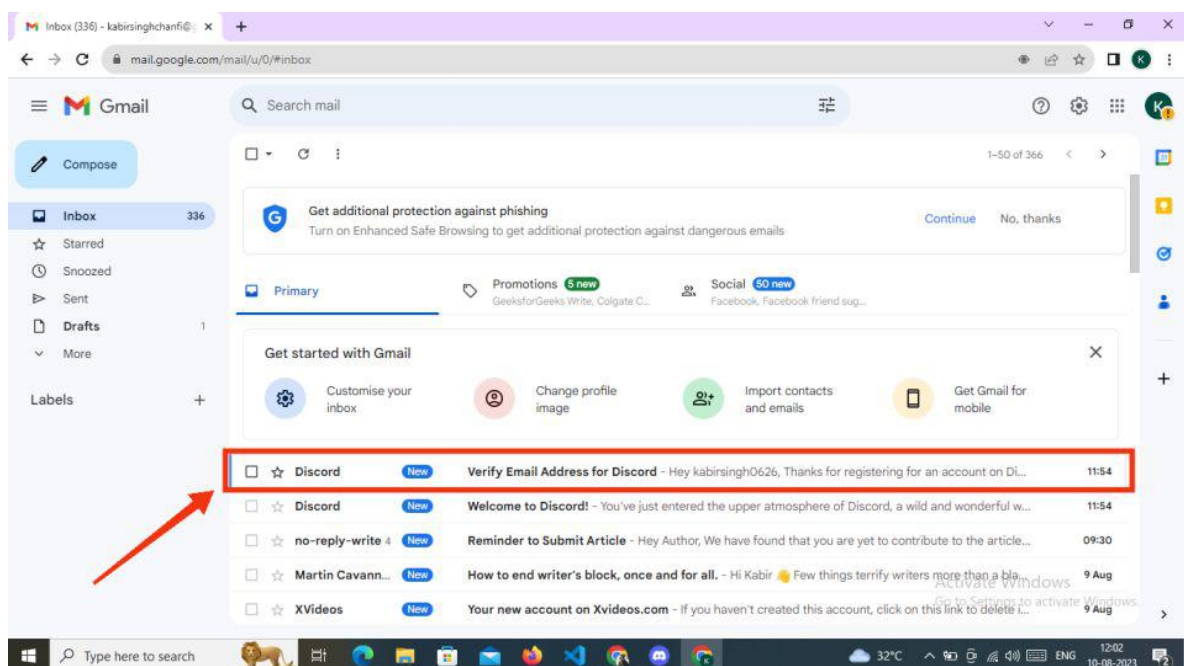
### 2.3.5 Verify Your Account

Upon reaching this stage, your Discord account has been successfully created. At the top of the Discord screen, you'll notice a green tab prompting you to verify your Gmail account.



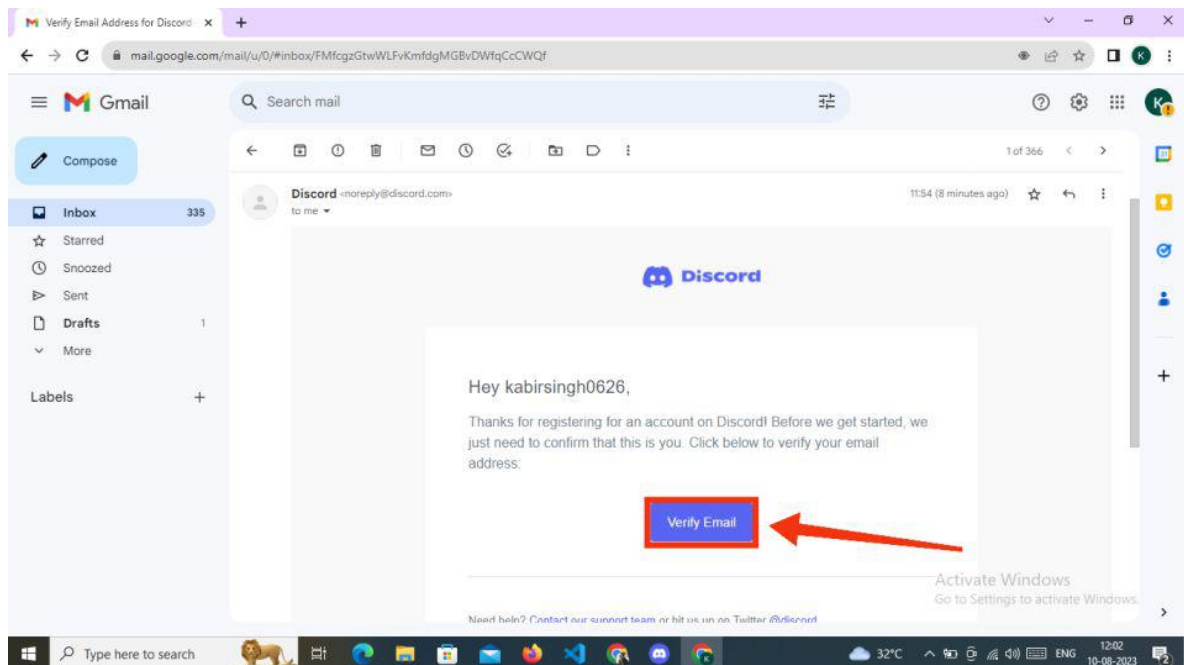
### 2.3.6 Open Your Email and Click on Discord Verification Email

Next, access the email account you provided during the registration process. Look for the verification email sent by Discord in your inbox and click to open it.



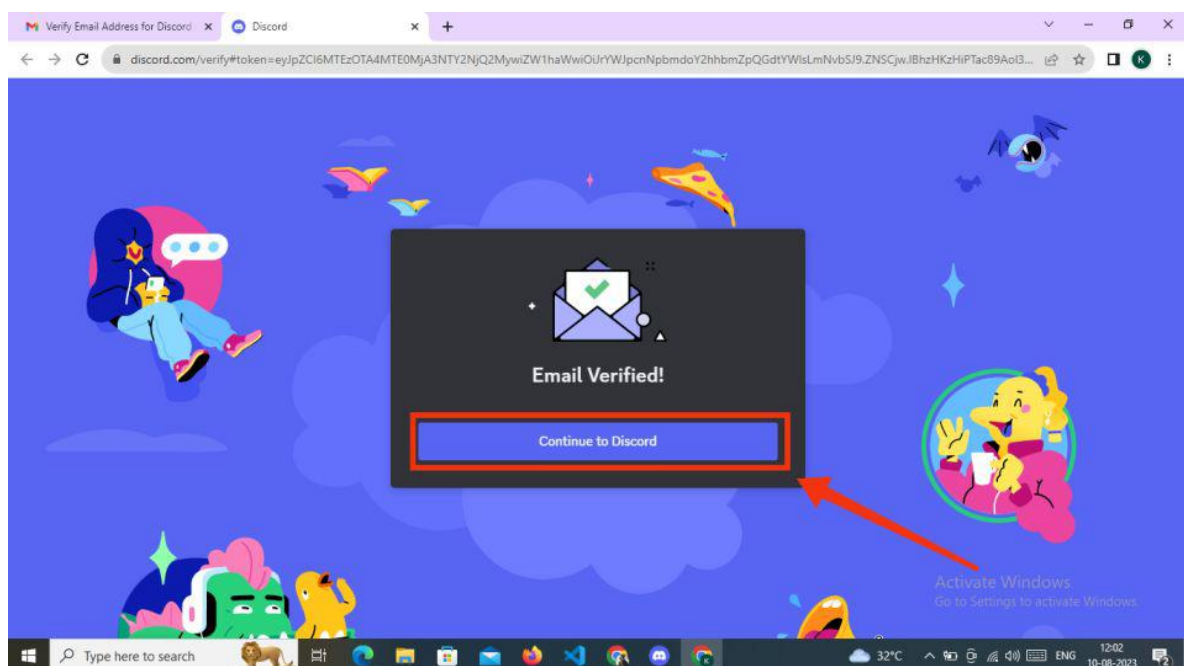
### 2.3.7 Click on "Verify Email"

Once you've opened the verification email from Discord, locate the "Verify Email" button and click on it.



### 2.3.8 Click Continue to Discord

Your email has been successfully verified, and your Discord account is now ready to use. Simply click on the “Continue to Discord” button to begin using Discord.



## 2.4 SSH Client (optional)

Participants may need to SSH login to the cloud instance to do some challenge tasks. They can use ssh command line or install one of below ssh clients:

### 2.4.1 Putty SSH Client

Download and install putty from link : <https://www.putty.org/>, select the installer which fit to your system:



Download PuTTY: latest release (0.79)

[Home](#) | [FAQ](#) | [Feedback](#) | [Licence](#) | [Updates](#) | [Mirrors](#) | [Keys](#) | [Links](#) | [Team](#)  
Download: [Stable](#) | [Snapshot](#) | [Docs](#) | [Changes](#) | [Wishlist](#)

This page contains download links for the latest released version of PuTTY. Currently this is 0.79, released on 2023-08-26.

When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a [permanent link to the 0.79 release](#).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the [development snapshots](#), to see if the problem has already been fixed in those versions.

### Package files

You probably want one of these. They include versions of all the PuTTY utilities (except the new and slightly experimental Windows pterm).

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

We also publish the latest PuTTY installers for all Windows architectures as a free-of-charge download at the [Microsoft Store](#); they usually take a few days to appear there after we release them.

**MSI ('Windows Installer')**

64-bit x86:	<a href="#">putty-64bit-0.79-installer.msi</a>	<a href="#">(signature)</a>
64-bit Arm:	<a href="#">putty-arm64-0.79-installer.msi</a>	<a href="#">(signature)</a>
32-bit x86:	<a href="#">putty-0.79-installer.msi</a>	<a href="#">(signature)</a>

**Unix source archive**

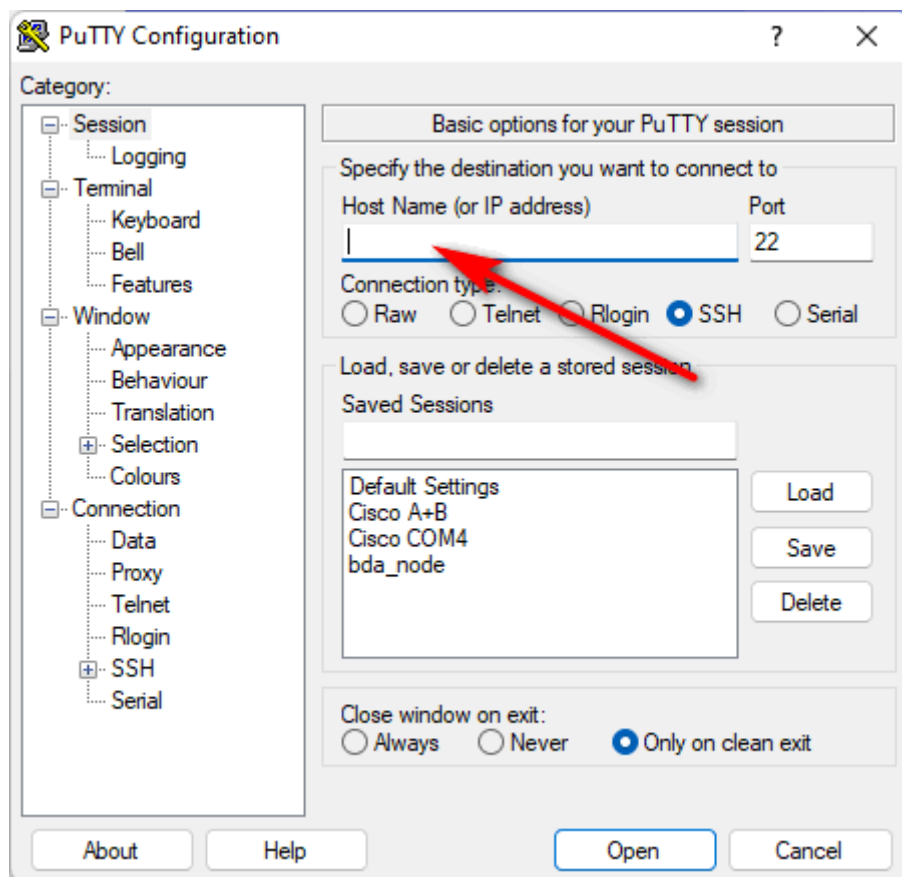
.tar.gz:	<a href="#">putty-0.79.tar.gz</a>	<a href="#">(signature)</a>
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### Alternative binary files

The installer packages above will provide versions of all of these (except PuTTYtel and pterm), but you can download standalone binaries one by one if you prefer.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

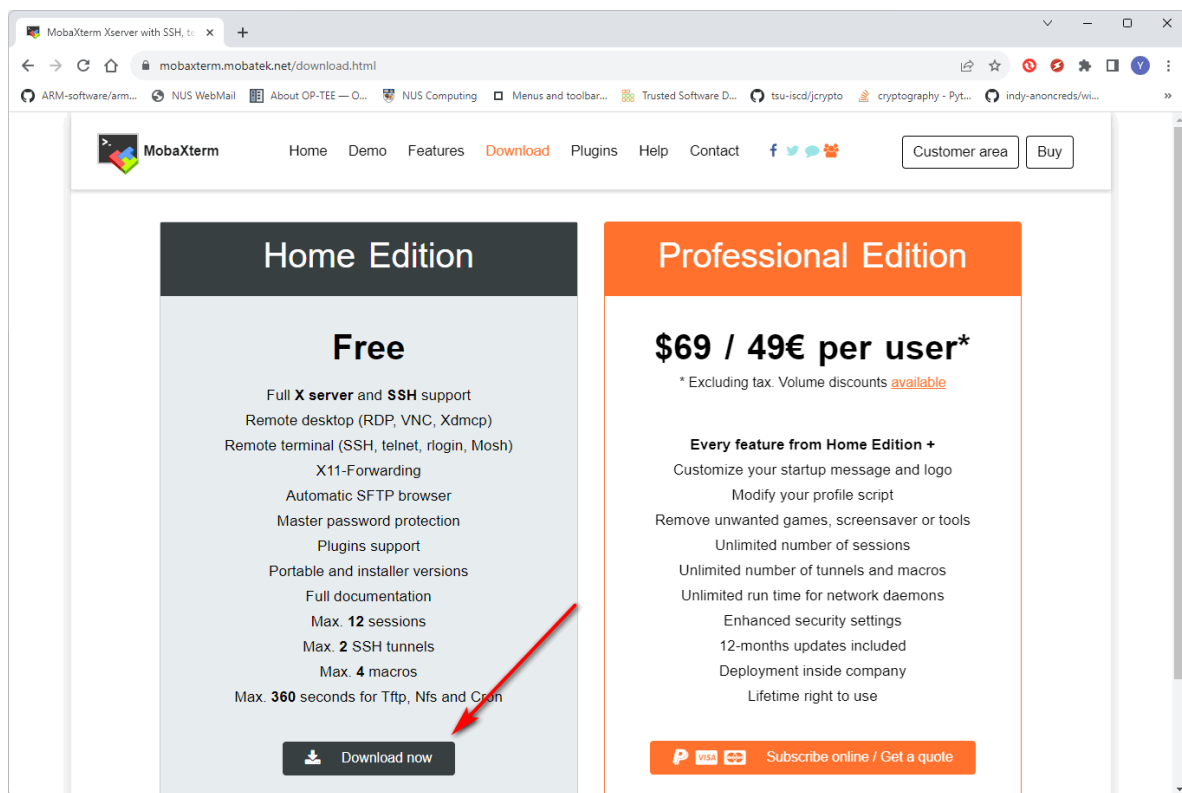
After installed the Putty, assume the cloud instance ip address is xxx.xxx.xxx.xxx, fill in the ip address in the "Host Name" text field as shown below:



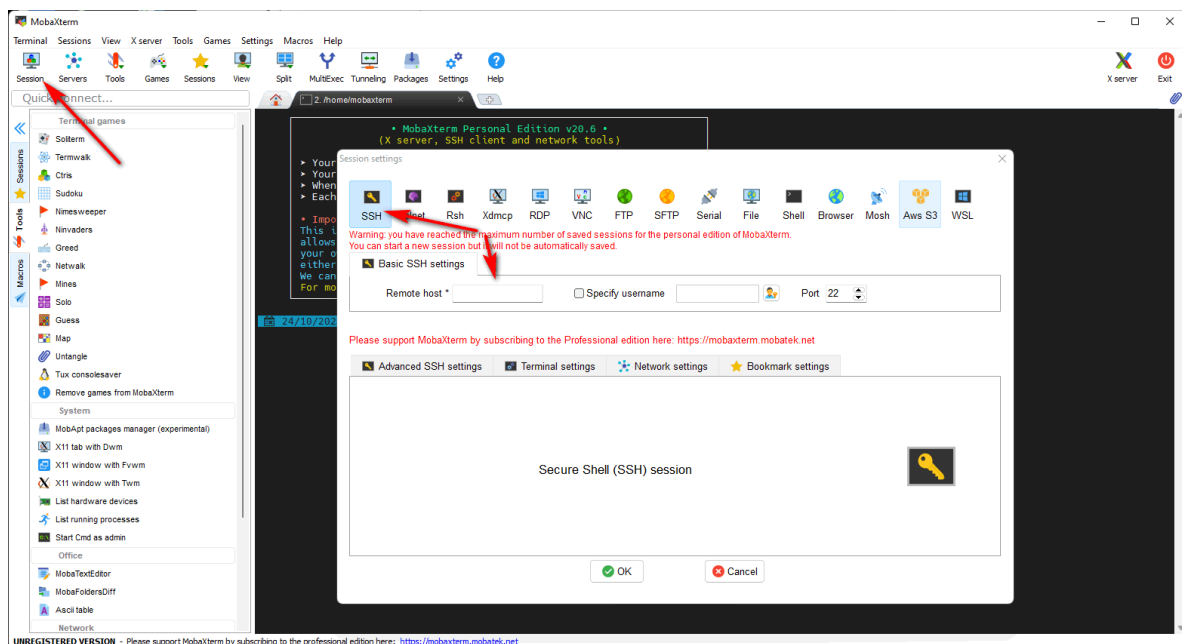
Then click the "Open" button to connect to the cloud instance.

## 2.4.2 MobaXterm SSH Client

Download and install MobaXterm from link : <https://mobaxterm.mobatek.net/>, select the free version "Home Edition" :



After install the MobaXterm, click the "Session" button at the top left corner, then select the SSH tab, assume the cloud instance ip address is xxx.xxx.xxx.xxx, fill in the ip address in the "remote host" text field, then fill in the user name as shown below:

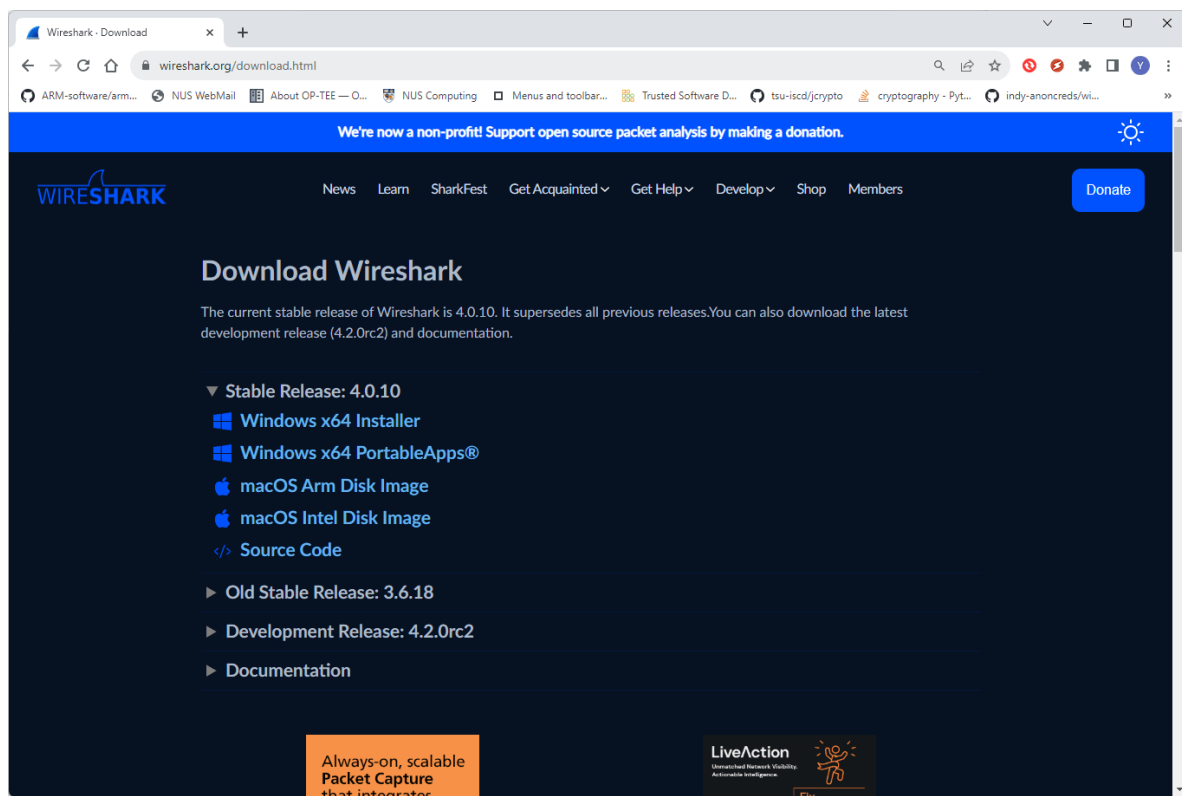


Then click the "OK" button to connect to the cloud instance.

## 2.5 Wireshark (Optional)

The participants may need to install the Wireshark on their local machine to analyze the network traffic packets to solve some forensics questions. The participants can go this download link: <http://www.wireshark.org/download.html> and select the installer which fit their system:





Last edit at 23/10/2023