WMCTF 2022 Step By Step Registration

> "
> We kindly provide a step by step registration for people who first play CTF. ^^
> Team registration is supported.
> Use your registered username and password to login into our online platform

0x00 Contact us

Discord: **Discord**

Email: **ctf@whitecap100.org**

QQ group: 727697644

Or through anyone you know from out team.

0x01 Proof of work

If you're using Linux or macOS, you should have `netcat` already installed on your machine. If you're using Windows, please download [netcat](#) first. Use the following command to connect.

```
nc wmctf.wm-team.cn 2022
```

Every time you try to connect, a proof-of-work challenge needs to be solved to avoid spamming.


```
$ nc wmctf.wm-team.cn 2022
```

```
== proof-of-work: enabled ==
please solve a pow first
You can run the solver with:
    python3 <(curl -sSL https://wmctf.wm-team.cn/pow.py) solve s.ACxJ.AAD9xQjBxAsoToIHfBHOf4TU
==

Solution?
```

Do not close the current console, and copy this into another console (you should have installed python3 in advance). Solving the proof of work would take some time. If you cannot solve it before the session ends, install `gmpy2` (See `0x05 Install gmpy2`).

```
$ python3 <(curl -sSL https://wmctf.wm-team.cn/pow.py) solve s.ACxJ.AABqpgkOKkM0hLVpn5Zw9mcU
Solution:
s.AABnQsiJwkklbnVNx+qSHRDos9D+NN1CD75QJFub/HbRYJEyNMkjYYXltHCnodFvz/uT9+fVDwlgEE6l4LrhvTfcgUNW1UImThhwHSyEq97kOH57huJJ
nxZE0DT4ewPtIDBxvnyP2GyFU1jmlCuSZ48qq7ZLbmAEF01zGmRxBuRSJe1GTGPyqFTEXHm+md1VGZCScymjByOSTJsC6KvXrgyd
```

After solving the challenge, copy the outputted solution into the previous session. The server should print the menu if you've inputed the correct solution.

0x02 User Information

Select `1` to enter your registration info.

Follow the prompts and complete the following fields.

- Username (4-20 printable characters)
- Password (8-20 printable characters)
- Email (Required, for us to contact you)
- Phone (Optional. It's used for prize)

```
== proof-of-work: enabled ==
please solve a pow first
You can run the solver with:
    python3 <(curl -sSL https://wmctf.wm-team.cn/pow.py) solve s.ACxJ.AAD9xQjBxAsoToIHfBHOf4TU
===================

Solution? s.AABQn+rlBdWKpWJiq9DIkz2jXiavVozvGLWT1pFEw7aiThxTixmZeRvKc+4OB6MRsVr1vCbiMRcS4en8DgU+HqYOxAVRm1898fHY5qnYORwvBzCNSSzgTZn79dJQzmNMx8jhbWGf7BEuHd
ghL8JErcCZwCcr8NY2Vq3ePf2ZzLxrHKGNpNb4HzCWVAuPSeZEGhw/WiWD99g5IIXTn7bqWxDg
Correct
----------------------------------------
WMCTF is a Jeopardy-style Online Capture The Flag Competition presented by W&M. The contest is opened to all participants around the world. Teams can comp
ete from any location. The number of team members shall not be more than 20.The mobile phone number is an optional item, which is used to contact the priz
e distribution.

Platform: https://wmctf.wm-team.cn/
Registration: nc wmctf.wm-team.cn 2022
Discord: https://discord.gg/WRmvFkWnSn
QQ Group: 727697644

Enjoy your time!


1. Register
2. Login
3. Exit

[1-3]: 1
Please input your registration information:
Username: W&M_user
Password: testuser123
Email: testemail@gmail.com
Phone:
----------------------------------------
Welcome W&M_user, you are Not in team
1. Create Team
2. Join Team
3. Exit
```

-

0x03 Team info

After successfully registered, you can create a team or join a team.

• Create a team

Select 1 to enter team information.

```
[1-4]: 2
Please input your registration information:
Username: WM_User
Password: WM_User2022
Email: wmtewam@wm-team.cn
Phone: 01199999999
--------------------------------------
Welcome WM_User, you are Not in team
1. Create Team
2. Join Team
3. Exit

[1-3]: 1
Please input your team information:
Team Name: W&M_TEST
--------------------------------------
Welcome WM_User, you are In team W&M_TEST
1. Invite
2. Team Info
3. Exit Team
4. Exit

[1-4]: 2
Team Name: W&M_TEST
Team Token: GpKpw1azwp7kOeBZu8ASVTQSv8silXFEB4WL3Z-6baA
Team Members:
        WM_User
--------------------------------------
```

• Join a team

Your team will have the team token like this after registering

```
GpKpw1azwp7kOeBZu8ASVTQSv8silXFEB4WL3Z-6baA
```

```
        WM_User
--------------------------------------
Welcome WM_User, you are In team W&M_TEST
1. Invite
2. Team Info
3. Exit Team
4. Exit

[1-4]: 1
Please tell your friend to join the team with this token:
GpKpw1azwp7kOeBZu8ASVTQSv8silXFEB4WL3Z-6baA
--------------------------------------
Welcome WM_User, you are In team W&M_TEST
1. Invite
2. Team Info
3. Exit Team
4. Exit
```

Send this token to your teammates for them to join the team.

0x04 Forgot password/team name/anything

DM us on Discord or mail us. See `0×00 Contact us` .

0x05 Install gmpy2

```
─root@VM-0-7-centos in ~
$ python3 <(curl -sSL https://wmctf.wm-team.cn/pow.py) solve s.ACxJ.AACxSaHR4jlTqQLor4bGExY0
NOTICE] Running 10x slower, gotta go fast? pip3 install gmpy2
CTraceback (most recent call last):
  File "/proc/self/fd/11", line 187, in <module>
  File "/proc/self/fd/11", line 171, in main
  File "/proc/self/fd/11", line 94, in solve_challenge
  File "/proc/self/fd/11", line 64, in sloth_root
  File "/proc/self/fd/11", line 40, in python_sloth_root
KeyboardInterrupt
```

- For macOS (Apple Silicon)

If you use homebrew to manage software

```
brew install gmp
brew install mpc
brew install mpfr
brew install libmpc

export C_INCLUDE_PATH=$C_INCLUDE_PATH:/opt/homebrew/include
export CPLUS_INCLUDE_PATH=$CPLUS_INCLUDE_PATH:/opt/homebrew/include
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/opt/homebrew/lib
export LIBRARY_PATH=$LIBRARY_PATH:/opt/homebrew/lib

pip3 install gmpy2
```

- For macOS (Intel Silicon)

If you use homebrew to manage software

```
brew install gmp
brew install mpc
brew install mpfr
brew install libmpc

pip3 install gmpy2
```

- For Windows

Download `gmpy2*.whl` and

```
pip3 install gmpy*.whl
```

- For Linux

```
pip3 install gmpy2
```