Hong Kong Cyber Security New Generation
Capture the Flag Challenge 2020

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CAPTURE THE FLAG CHALLENGE 2020

Internet technology will dominate the future world, but at the same time new cyber security challenges emerge. Through TechEd, we could foster and enhance students' knowledge and interest in cyber security. Train up creative thinking and learn skills such as cryptography, programming concept, network forensics, etc. to deal with new challenges.

Hong Kong Computer Emergency Response Team Coordination Centre (HKCERT) and Hong Kong Productivity Council (HKPC) will jointly host the first “Hong Kong Cyber Security New Generation Capture the Flag (CTF) Challenge 2020” Contest to arouse the cyber security awareness of the education sector and encourage student problem solving with teamwork, creative thinking and cyber security skills via a fun game. Join now and get ready for the challenge!

A briefing session and a workshop by cyber security experts will give you an warm up and help you to get prepared for the Contest.

Join now and get ready for the challenge!

Date and Time
6 November 2020, 6:00PM to 8 November 2020, 6:00PM (The system will operate for 48 hours, participant can access anytime during the contest)

Contest Format
This is a Jeopardy-style online CTF Contest. Participant will get a score after solving the challenges during the Contest.

Learning Outcome Through the Contest
Please refer to website (https://www.hkcert.org/my_url/en/event/20110801)

Type of Challenges and Samples
- Binary Exploitation
- Cryptography
- Forensics
- Reverse Engineering
- Web Exploitation
- Miscellaneous
*Samples please refer to website (https://www.hkcert.org/my_url/en/event/20110801)
Eligibility
The Contest is divided into Secondary School and Tertiary Institution categories. Participants may enter the Contest as a team with two to four participants. For team application of the Secondary School categories, all team members must be from the same school. Each participant can enrol to only one of the categories and should submit only one entry. Participants shall agree and abide by all the terms and conditions, and rules of the Contest.

Categories and prizes (*Number of prizes will depend on the number of team members)
A. Secondary Schools – For all student of secondary school in Hong Kong
   o Gold: DJI Osmo Pocket and Amazon Kindle Paperwhite
   o Silver: Apple Airpods Pro
   o Bronze: Fitbit Charge 4 Advanced Fitness Tracker
   *Each awarded school will receive a trophy.
   *School can send unlimited team to join. The school who sent most team will be awarded a “Most Supportive School Award” (If there are same number of team, the school sent most students will win the Award.)

B. Tertiary Institutions – For all full-time students in Diploma, Higher Diploma, Associate Degree and Bachelor Degree of universities or colleges in Hong Kong
   o Gold: Samsung Tab S6 Lite 4+128GB 10.4" LTE and Amazon Kindle Paperwhite
   o Silver: DJI Osmo Action Action Camcorder
   o Bronze: Sony SRS-XB33 Portable Bluetooth Speaker

In addition to the above prizes, all the awarded participants will receive an electronic award certificate and be awarded to join a cyber security training programme “Red/Blue Team Pentest Kungfu Intensive Course” organized by HKPC in January 2021. Other participants will receive an electronic participation certificate.

Registration Link
https://www.jotform.com/hkcert/hkcert20

Registration Deadline
30 October 2020 (The Applicant’s registration will not be considered after the deadline)

Briefing Session (Webinar)
20 October 2020, 2:30PM
Registration link: https://form.jotform.com/hkcert/ctf-briefing-reg

Pre-workshop (Webinar)
31 October 2020, 2:30PM – 5:00PM (Online registration starts at 2:00PM) (All the registered participants will be invited to attend the Pre-Workshop)
Webinar and Award Presentation Ceremony
13 November 2020, 2:30PM – 5:30PM at HKPC Building, 78 Tat Chee Avenue, Kowloon (Online registration starts at 2:00PM)

Terms and Conditions
- The participating teams should abide to these Terms and Conditions and the Rules of the Contest. The Organisers reserve the right to penalise any team whose member is not compliant by different forms including suspension of access or disqualification. The related teams and members shall not raise objection.
- Each participating team will be assigned a team number.
- The whole team is disqualified if any member of the team is not eligible.
- All works of the team must be contributed by eligible members of the team.
- The team should inform the Organisers if there is any change in member information. The Organisers will verify the identity of members while confirming their award.
- The Organisers reserve the right to substitute any prize with another prize at any time without prior notice.
- The Organisers reserve the right to amend the Rules from time to time and inform the participants.

Rules
- Each team should include 2 - 4 team members. All team members must fulfil the entry requirements stated in the Eligibility.
- Don’t register more than 1 account.
- After completing the 48 hours’ Contest, the top three teams with the highest scores will win the Contest. If same scores, the team that has reached the score in the shortest time will win the Contest.
- If any issues occur during the Contest, participants shall report them to the Organisers immediately.
- Don’t attack the CTF platform, such as:
  - Modify the scoreboard;
  - Generate excessive load;
  - Launch denial of service attack;
  - Don’t attack any machine or service other than the designated ones.
- No social engineering attack.
- Don’t cheat or interrupt the Contest, such as:
  - Share flags;
  - Ask for flags;
  - Delete flags;
  - Intentionally prevent other teams from submitting flags.
- In the chat room:
  - Don’t send any message which contains violent, obscene or indecent content.
  - Don’t upload any file which infringes any copyrights and intellectual property rights.
- Any abuse or violation of the Rules will result in penalty as stated in the Terms and Conditions.
Enquiry
Please contact our Ms Judy Liu at +852 2788 5704 or judysmliu@hkpc.org.

SUPPORTING ORGANISATIONS

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