hkpc Academy 生產力學院

Securing Your Microservices in Kubernetes Container Environment for Serverless PaaS Cloud

Course Fee: HK$6,800 (May apply up to HK$4,533 subsidy)

*Maximum saving, with the final grant subjects to approval.

RTTP Approved

Serverless PaaS cloud environment is the next wave of Cloud Computing Container technology that enables developers to work and deploy containerised applications in various environments consistently.

This intensive 2-day programme aims at equipping participants with practical knowledge to deploy microservices with Dockers and Kubernetes securely in a public cloud environment.

Programme code	10011223
Date and time	21-22 Apr 2021 09:30 – 17:30 (Total 14 hours)
Venue	HKPC Building, 78 Tat Chee Avenue, Kowloon Tong, Kowloon
Medium	Cantonese with English terminology
Course fee	**Early bird price on or before 22 Mar 2021** Non-member: HK$6,600 per person Members of Organiser / Supporting Organisations: HK$6,400 per person **Regular Price** Non-member: HK$6,800 per person Members of Organiser / Supporting Organisations: HK$6,600 per person
Remarks	The application deadline is **14 Apr 2021**. Late submission will NOT be considered.

Organisers

hkpc 生產力局 · CSA cloud security alliance CSA Hong Kong and Macau Chapter · HKCERT · Hong Kong Computer Society · HKITF · HTCIA · ISACA China Hong Kong Chapter · (ISC)² Chapter · isfs · Internet Society Hong Kong Chapter · PISA

Supporting Organisations (in arbitrary order)

GovCERT.HK · ACFE · iTLE · bcs Hong Kong Section · CGCC The Chinese General Chamber of Commerce, Hong Kong · 香港中華廠商聯合會 The Chinese Manufacturers' Association of Hong Kong · FHKI 香港工業總會 · HKGCC Hong Kong General Chamber of Commerce · CAHK · HKFCE The Hong Kong Association for Computer Education · aim · Information Security Group Hong Kong · HKitIC · ihc · HKIE · WTIA · IET The Institution of Engineering and Technology · (ISC)² · IPSJA · iPRO · ISACA Macao Chapter · Macao Computer Society · PMI Project Management Institute, Hong Kong

This course is an approved Reindustrialisation and Technology Training Programme (RTTP), which offers up to 2/3 course fee reimbursement upon successful applications. For details: https://rttp.vtc.edu.hk.

Securing Your Microservices in Kubernetes Container Environment for Serverless PaaS Cloud

Introduction

More companies have been considering using PaaS environment via Container technology. Container technology is gaining popularity in the app development world. By containerising applications, developers can work and deploy various environments consistently. However, convenience usually comes along with security threats and uncertainties. Is container secure? Is PaaS cloud still vulnerable to attack? Who should take care of the PaaS security and how?

Content

During the workshop, participants will have hands on experience to implement a typical web application in a public cloud with various security features.

- Secure virtual network architecture design
- Security of various cloud service model
- Introduction on microservices, Docker, Kubernetes and their security concerns
- Hands-on experiences with Kubernetes deployment and microservices architecture design
- Security best practices and real-life case studies for Kubernetes deployment
- Security in Microservices Architecture
- Serverless application deployment and related security best practices
- Secure dockerfiles deployment
- Identity and access management

The workshop will be conducted in Google Cloud Platform environment. Some of the security features available on cloud platform will also be introduced.

Target Participants

Individuals interested in cloud deployment and familiar with network architecture and management, such as

- ✓ System Integrators
- ✓ System Administrators / Engineers / Analysts
- ✓ Technical Engineers / Managers
- ✓ Information Security Analysts / Managers

Certificate

Participants who have attained at least 75% attendance of lecture will be awarded a Training Attendance Certificate.

Inquiry Ms Judy LIU | +852 2788 5704 | judysmliu@hkpc.org

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Trainer

Dr Ricci IEONG

Principal Consultant, eWalker Consulting (HK) Limited

CISSP, CISA, CCSK, CCSP, CCFP, CEH, F.ISFS, ISSMP, ISSAP, ISO 27001LA, STAR Auditor

Dr IEONG has over 15 years of industry experience in the Information Technology Industry as well as more than 15 years of experience in IT Security area specialised in Security Risk Assessment, IT Audit, Ethical Hacking & Penetration Test, Smart Card & Biometrics System deployment and Computer Forensics Investigation. He currently serves as Principal Consultant of eWalker Consulting Ltd. He is an authorised (ISC)2 Certified Cloud Security Professional (CCSP) and Certificate of Cloud Security Knowledge (CCSK) trainer.

He has worked for HP and founded the first HP e-Security Center (also known as Penetration Test Center) in Hong Kong. He has led and conducted over 100 security assessments, IT Security Audits, penetration tests and incident handling services for HKSAR government departments, banks and multinational organisations in Hong Kong throughout these years. He is one of the founding instructors in the first diploma and graduate diploma course in computer security and forensics investigation recognised by the HKSAR law enforcement team. In year 2002, Dr IEONG was invited by the HK Police Force as the first expert witness in a HK Computer Crime Investigation.

Dr IEONG is a founding member and Council member of the Information Security and Forensics Society (ISFS). He has recently founded the Cloud Security Alliance Hong Kong and Macau Chapter and participated as the Director of Education. He conducted over 20 technical IT security trainings and workshops on cloud computing security in 2010. Besides, he has been invited to provide cloud security awareness training for the general public.

RTTP Training Grant Application

Companies should submit their RTTP training grant application for their employee(s) via https://rttp.vtc.edu.hk/rttp/login at least two weeks before course commencement. Alternatively, application form could be submitted by email to rttp@vtc.edu.hk along with supporting documents.

Enrolment method

1. Scan the QR code to complete the enrolment and payment online.
2. Mail the crossed cheque with payee name “Hong Kong Productivity Council” (in HK dollar) and the application form should be mailed to Hong Kong Productivity Council, 2/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Judy LIU). Please indicate the course name and course code on the envelope.

(Only receipt printed with receipt printers at HKPC is valid. Receipt of cheque payment is subject to bank clearance.)

https://www.hkpcacademy.org/en/programmeDetail.jspx/10011223-01

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