

Cloud Computing & Security

Nature and Objectives: Cloud Computing have been around for the past few years and is growing rapidly. It represents a new IT service delivery model to externalize an organization's IT environment, resulting in costs saving, improvement of operation and management efficiency and flexibility. As with any new technology, there are plenty of myths that inadequate knowledge of it and improper management of the associate risks may lead to disastrous results to your business. The seminar aims to provide participants with a comprehensive understanding of the "Cloud" environment and technology, the associated risks and the counter measure strategies.

Who Should Attend: The course is suitable for CIO, IT Manager, System Developer / Integrator, System and Network Engineer, Technical Engineers / Manager, Data Security Officer, Information Security Officer, IT Auditor, Operation Manager, IT and Security Consultant.

Fee(HK\$): 2,200 / 1,980 (Enrolment on or before July 30, 2010)

Code: 40120086

Date: Aug 20, 2010

Time: 9:30 - 17:00

Venue: HKPC Building

Medium of Instruction:
Cantonese (with handout in English)

Award of Certificate:
Certificate of Attendance

Introduction to Cloud Computing and Security Considerations

- Evolution and Emergence of Cloud Computing
- Drivers and Benefits of the Clouds
- Perceived Security Risks
- Building on Established Trends
- Characterizing Public Clouds, Internal Clouds and Hybrid Clouds
- The Delivery models of the Clouds

Analysis of Cloud Computing Services and Technologies

- Cloud Tiered Architectures and Considerations
 - Deliverable Services and Sub-Services (SaaS, PaaS, IaaS, CaaS...)
 - Strengths and Weaknesses
- Cloud Computing Maturity
 - Adoption of Cloud Computing
 - Maturity of the Clouds
 - Vendor Maturity and Impacts on Adoption
- Building Cloud Networks
 - Single-Purpose and Multi-Purpose Architectures
 - Collaboration
 - Service-Oriented Architectures
 - Server and Data Center Virtualization, Parallel Processing, Vector Processing

Security Considerations to Cloud Computing

- Cloud Computing Concerns & Myths
- Threats on the Clouds
 - Types of Attacks & Web Vulnerabilities
 - Patch Management
 - Software Assurance
 - Application Security Control on PaaS / SaaS
 - Resource Provision
 - Assessing the Security of a third party Cloud Provider
- Risk Management
 - Overview of Risks
 - Security Risks, Business Risks
 - Incidents that have occurred in Public, Private, Hybrid and Community Clouds
 - Risks Control with Different Types of Public Clouds Offerings
 - Business Risks Associated with Vendor or Public Clouds
 - Audit Issues and Other Security Processes most affected by Public Clouds

Security Architectures and Controls in Cloud Computing Environments

- Identity Management
 - Current Technologies and Methodologies
 - Basics of federated Identity
 - Extended Identity Services
 - Insource or Outsource Identity Architecture Patterns
 - Examples of Current identity Service Vendors and Solutions on the Market
- Virtualization and Perimeters Security on the Clouds
 - Security threats from Virtualization Networks
- Symmetric Multiprocessing Systems, Massively Parallel Processing Systems
- Web Services security and Other Techniques for hybrid clouds
 - Service-Oriented Principles
 - Mutually Reinforce Service Oriented Architecture and Security
 - Securing Services Across Hybrid Clouds

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Name: _____	Job Title: _____	
Organization: _____	Fee: _____	
Address: _____		
Tel: _____	Fax: _____	Signature: _____
Email: _____		

- To enroll, please complete the enrolment form and send it together with the appropriate fee to **ICT & Logistics Unit, Productivity Training Institute, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong**. All cheques should be crossed and made payable to "Hong Kong Productivity Council".
- Course fee must be accompanied with this form (or its photocopy), otherwise enrolment may be rejected.
- HKPC has adopted a Personal Data (Privacy) Policy. Information about the policy is available at HKPC enrolment counters for collection. You may also contact our Personal Data Controlling Officer for further details.
- Applicants are encouraged to pay by credit cards, EPS or cheques, if possible. Amount received will be imprinted. Cheques are subject to bank clearance.
- Enrolment fee is not refundable unless HKPC is notified in writing of your withdrawal at least 5 working days before the course commences. A handling charge of HK\$200 will also be levied.
- An applicant may, subject to approval from HKPC, nominate a person to attend the course on his/her behalf.
- HKPC reserves the right to change the contents, venue and / or time as necessary.
- Classes in the morning, afternoon or evening will be cancelled if typhoon signal No. 8 or above OR black rainstorm warning is still hoisted after (or is announced by the Hong Kong Observatory to be hoisted at/after) 6:00 a.m., 11:00 a.m. and 4:00 p.m. respectively. Participants will be notified when the class will be made up as soon as possible.

Organized by



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If you do not wish to receive further information from HKPC, please inform us via fax at (852) 3187-4531.

若閣下不欲再接收本局信息，請以傳真:(852) 3187-4531 通知我們。