Cloud Archiving Techniques and Policies

أساليب وتطبيقات أرشفة السحابة

01 – 05 June 2020

Kuala Lumpur / Malaysia

ProjacsAcademy.com

Introduction

The exciting field of Cloud Computing, storage and archiving has experienced explosive growth. This incredible technology has reshaped the thinking and structuring of IT departments practices and policies. The potential this technology offers in cost saving, mobility and lean IT operations is unparalleled.

The demand for IT professionals who have the knowledge and experience covering this technology has and will continue to grow rapidly.

This course will equip the IT professional with the needed knowledge of cloud technologies such as AWS, Azure, Google Cloud, OpenStack, and vSphere and how to leverage them to increase business productivity and effectiveness. In this program, you will learn about Infrastructure As A Service (IaaS), Platform As A Service (PaaS), Software As A Service (SaaS), and other "X as a service" platforms. You will receive key foundational knowledge about legal and compliance issues, security and risk mitigation and how to follow industry standards and best practices. You will also gain hands-on experience in implementing, configuring and managing cloud storing and archiving technologies, policies and techniques.

Objectives

By the end of this course practitioners shall learn to:
- Cloud computing foundations and models
- Types of cloud computing technologies (ie: AWS, Azure, IBM)
- Methods for managing a cloud computing adoption/migration project
- How to design a cloud computing infrastructure or service
- Deployment and configuration of cloud computing systems
- Insuring cloud security and mitigating risk
- SaaS, PaaS and IaaS and other service platforms

Who Should Attend?

- IT professional
- Professionals seeking a career in cloud computing
- Corporate IT policy makers
- CTOs, CIOs
- IT project managers/planners

Course Outline

DAY 1:
Module 1: Introduction
- Welcome/Intro
- Course Overview
- Why Cloud Essentials?
- Cloud Terminology
- Early Cloud Examples
- Cloud Computing Standards

Module 2: Understanding Cloud Computing
- What is Cloud Computing
- Distributed Application Design
- Resource Management Automation
- Virtualization
- High-Performance Computing
- Cloud Computing Technologies

DAY 2:
Module 3: Why Cloud Computing
- Value of the Cloud
- Business Drivers
- Cloud Computing Costs
- Determining ROI
- Cloud vs. Outsourcing
- Choosing a Cloud Model
- You Need the Cloud If...
- Who Does Not Need the Cloud?

Module 4: Cloud Models
- Evolving to the Cloud
- Resistance to the Cloud
- Organizational Roles
- Additional Cloud Models
- Cloud Bursting

DAY 3:

Module 5: Cloud Service Models
- Understanding Service Models
- Infrastructure as a Service
- Platform as a Service
- Software as a Service
- Emerging Cloud Services

Module 6: Infrastructure Planning
- Cloud Technicalities
- Seven Layer OSI Model
- OSI Layers
- OSI Layer Descriptions
- Which Layer?
- IP Versions
- Cloud Network Considerations
- Infrastructure Effects
- Automation and Self Service
- Understanding Federation
- Understanding Interoperability

DAY 4:

Module 7: Cloud Adoption Strategies
- Adoption Basics
- Organizational Perspective
- Business Process Impact
- Readiness Testing
- Understanding SLAs
- Cloud SLAs

Module 8: Applications in the Cloud
- Understanding Standard Apps
- Cloud-Ready App Development
- Migrating to the Cloud
- Technical Challenges
- Risk Management

Module 9: Moving to the Cloud
- Making the Move
- Working with the Cloud Vendor
- Organizational Skill Requirements

- SaaS Org Skills
- PaaS Org Skills
- IaaS Org Skills
- Transition to Live Environment
- Incident Management

DAY 5:
Module 10: Cloud Security
- Cloud Security Basics
- Basic Security Design
- CIA Triad
- Confidentiality
- Integrity
- Availability
- Three A
- Applying Security Standards
- Application Interface Security
- Insider Threats
- Organizational Risks
- ISMS
- Incident Response

Module 11: Legal Issues
- Legal Risks
- Managing Records
- Software Licensing in the Cloud
- Safe Harbor Framework

Module 12: Course Wrap-Up
- Course Wrap-Up

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation
- slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, and case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:
- Technical Session   08.30-10.00 am
- Coffee Break   10.00-10.15 am
- Technical Session   10.15-12.15 noon
- Coffee Break   12.15-12.45 pm
- Technical Session   12.45-02.30 pm
- Course Ends   02.30 pm

Course Fees*

- **3,200USD**
  VAT is Excluded If Applicable

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مقدمة

يشهد مجال الحوسبة السحابية تطورا متسارعا. هذه التكنولوجيا الرائعة أعادت بلورة فكر وهيكلية وأساليب وسياسات إدارات تكنولوجيا المعلومات حول العالم.

توفر هذه التكنولوجيا إمكانات غير مسبوقة في توفير النفقات وحرية الحركة في مجال تكنولوجيا المعلومات. الطلب علي أخصائيي تكنولوجيا المعلومات الذين يمتلكون المهارات والمعارف المطلوبة في هذا المجال ارتفع كثيرا وسيواصل الإرتفاع.

سوف توفر هذه الدورة التدريبية المهارات والمعارف المطلوبة مثل: (SaaS, IaaS, Paas) لأخصائيي تكنولوجيا المعلومات للنجاح في هذا المجال.

كما ستوفر هذه الدورة التدريبية المعارف المتصلة بالأمور القانونية المتصلة بالحوسبة السحابية وكيفية تقليل المشاكل والمخاطر المتصلة بهذا المجال.

أهداف البرنامج

في نهاية هذه الدورة المتدريين سوف يتمكن المتدربون من:

- أساسيات الحوسبة السحابية
- أنواع تكنولوجيات الحوسبة السحابية
- طرق إدارة مشاريع التحول إلي الحوسبة السحابية
- كيفية تصميم البنية التحتية و خدمات الحوسبة السحابية
- إطلاق و ضبط أنظمة الحوسبة السحابية
- ضمان أمن الحوسبة السحابية و تقليل المخاطر
- أنظمة SaaS, PaaS, IaaS

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الحضور

- متخصصو تكنولوجيا المعلومات
- المتخصصون الذين يرغبون في دخول مجال الحوسبة السحابية
- صانعو سياسات تكنولوجيا المعلومات في المؤسسات
- رؤساء قطاعات تكنولوجيا المعلومات
- مدراء مشاريع و مخططو مشاريع تكنولوجيا المعلومات

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