100-1 Preliminary Syllabus, Da-Yeh Univ

Information

Information			
Title		Serial No. / ID	2722 / IGR6082
Dept.		School System / Class	1 1
Lecturer		Full or Part-time	
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	( )567 / J117	Language	Chinese

Introduction

Cloud computing is access to computing resources through the network, data services and software services, without considering the back-end platform for integration and maintenance. Therefore, cloud-based computing can reduce the information sector investment, and can continue to provide high quality information services, the more its growing range of applications to expand. This course will enable students to understand what is cloud computing, cloud computing to   e and configure the platform easy to use cloud computing cloud computing services and the design of applications.

Outline

Part A: Cloud Computing Management

1 can not escape the "knowledge" globalization - the generation of cloud concept
2. 21-century new media forms-Web2.0
3 cloud structure (external services, internal management)
4. IBM, Amazon, Google, Microsoft, Salesforce service differentiation
5 cloud the future evolution of the service model can be (SaaS)
6 cloud for enterprise information services and applications to change
7 cloud application of information security issues
8. Government policy for cloud development (supply, demand and the policy side)

Part B: cloud computing technology and applications

1 cloud computing: IaaS, PaaS, SaaS Profile
(2) the use of general-purpose graphics processors, virtualization technology and cluster implementation, management and application
3 public cloud service applications
4. Xiaoyun private cloud services, applications and computing architecture
5. Internet search engine Introduction to model-cum-
6. Automated robot browsing the web and web link analysis
7 Terminal Equipment Technical Overview
8. Parallel and Distributed Computing Overview
9. Network and platform services programming

10 Cloud Computing Security Profile
11 cloud computing experiments (cloud connection with public, private cloud set up and application of information security issues cloud)
12 cloud computing topics

Prerequisite
Introduction to Computer Network.   Enterprise Data Communication