

# CLOUD COMPUTING

## Practical 1: Introduction to CC & Virtualisation

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### Description

This is a warm-up practical in getting familiar with "the cloud" and virtualisation.

### *Part I: Basic concepts of Cloud Computing*

Using online resources, explore the following Cloud providers:

1. Amazon Web Services
2. Rackspace
3. Windows Cloud
4. Google Cloud

### Questions:

1. What are cloud-deployment models (Cloud Types) provided by each of the providers listed above?
2. What are cloud-delivery models offered by each of them?
3. What do you have to consider in order to virtualise your data centre? List services that support this process from the above providers.
4. Compare the cost of using different cloud services from Amazon Web Services, Google Cloud and Windows Cloud.
5. If you want to develop an application on the Cloud, which Cloud provider would you choose? Why?
6. Compare distributed computing with network computing.

### *Part II: Move to Cloud*

When you move to the cloud, you will not need to maintain some things on-site. But what and when you delete it is a complicated issue.

### Questions:

1. Why the decision of what and when deleting the copies on-site is complicated?
2. What you can delete?
3. What you should keep?
4. Explain the necessary steps for implementing (2) and (3).

### Submission Instructions

All submissions must be done via Moodle within the timeframe allocated to each practical. Your submission should consist of one file (MS Word or PDFs), which contains the answers to the above questions. The submitted file should be named following the format:

**COMPxxxxx\_Surname\_FirstName\_StudentNo\_Practical01.{doc,pdf}**

Example: ( **COMP41110\_Smith\_John\_12345\_Practical01.pdf** )