

CLOUD COMPUTING

Practical 02: CC in Practice

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The objective of this practical is to provide a practical reference to help decision makers migrate to cloud computing with the view to improve the IT practice within your organisation and solve more challenging problems. Cloud Computing, as any other new technologies, comes with innovative practices but also has side effects of drowning the communities with jargon and information, which create confusion amongst the users.

Questions

You were asked by your manager to look into the question whether it is worth migrating to the cloud or not. To answer this question, it is necessary to follow some key steps to help to make a decision.

- 1- As a first step, would you make the decision yourself or assemble a team to help you reach the decision? Justify your answer.
- 2- How will you approach the question? (*Hint: develop organisation cloud strategy and business case*).
- 3- As a third step, do you think it is worth selecting cloud deployment models? Justify your answer.
- 4- Do you think you should select cloud service models that the organisation will need? Justify your answer.
- 5- Do you think you should consider at this stage the security and privacy issues in relation to your organisation? Why?

At this point, you made your (yourself or with your team) decision and met with you manager. You presented your study. The manager was happy with what that has been done so far, but s/he asked more questions, which are as follows:

- 6- Have you identified who will develop, test and deploy the cloud services?
- 7- Have you defined the governance policies and service agreements?
- 8- How this new solution is different from our existing services? (*Hint: should we integrate them? If YES how?*)
- 9- How should we start using this new solution? (*Hint: you may need to develop a proof-of-concept*)
- 10- How this will be managed?

Obviously, these questions are part of the necessary steps for cloud computing adoption. How would you address each of the manager's question? You may need to use the "Hints" given for some of the manager's questions.

Submission Instructions

All submissions must be done via Moodle. The submission deadline is Wednesday October 24th at 17:00. 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_***Pracitcal02**.{doc, pdf}

Example: (**COMP**41110_*Smith_John_12345_***Practical02.pdf**)