

15-319 Introduction to Cloud Computing

Assignment C

Above the Clouds: A Berkeley View of Cloud Computing

Assigned Date: February 11th 2010

Deadline: February 25th 2010

Goals:

1. Gain a deeper understanding of cloud computing from an academic perspective
2. Understand the economics / economic models of cloud computing
3. Take a deeper look at the obstacles and opportunities for cloud computing

Assignment:

Read the paper provided to you: “*Above the Clouds: A Berkeley View of Cloud Computing*” by Ambrust *et al.* In a short write-up, highlight and explain the major points that you comprehend from the paper, what are the take-home messages and do you agree with them? What are the advantages and disadvantages of cloud computing? What are the challenges for the adoption of cloud computing in general?

The paper can be downloaded using the following URL:

<http://www.eecs.berkeley.edu/Pubs/TechRpts/2009/EECS-2009-28.pdf>

A class discussion will be held to converse in detail about this paper. Make sure that you have your notes or write up with you so that they can help you during the discussion.

Reading a technical paper can be difficult and time consuming but very rewarding. You will definitely need to read the paper more than once to understand it. Thus, keep your first time quick to get an overall idea about the topics discussed. Take notes as you read on what you understand, what needs clarification and what you should look up. Also have a list of questions or discussion points. Refine your list through several readings of the paper. After several iterations, start on the write-up.

Keep in mind that you will be graded on both your write-up and your participation during the class discussion. So, make sure that you do not miss either of them.

Deliverables

- Write-up: including a summary of the main points that you understood from the paper, your opinion regarding cloud computing, and the points that you did not understand, or did not agree with.

Submission

- Your write-up file name should be named Assgmnt3_yourID_paper.doc. The paper should be in the 2-column ACM format.
- Copy your files to the following afs folder before the deadline:
`/afs/qatar.cmu.edu/course/15/319/handin/userID`

Note: Do not work in this directory; just copy your files **at least one hour** prior to the deadline.

- You must turn in the assignment on February 25th at the beginning of class. We will hold an in-class discussion after you turn in your assignment. It is recommended that you keep discussion notes or a copy of your assignment to help you during the discussion.

Grading

You will be graded both on your paper as well as your performance in the class discussion. The following scheme will apply:

Paper	50%
<i>consists of:</i>	
Property	Percentage
Deliverables / Content	70%
Language, Grammar	20%
Systematic Method / Analysis	10%

Class Discussion	50%
<i>consists of:</i>	
Property	Percentage
Participation	25%
Knowledge / Points Raised	25%