15-319 Introduction to Cloud Computing

Assignment E

Cloud Computing Papers (Optional)

Assigned Date: March 30th 2010
Deadline: April 13th 2010

Goals:

1. Read a paper on cloud computing that is relevant to your planned work in Project 4
   OR
2. Read a paper on the future of cloud computing.

Assignment:

In this assignment, you can either choose a research publication that is relevant to your proposed work in Project 4, or you may choose to read the paper "*Cloud computing and emerging IT platforms : Vision, Hype and reality for delivering computing as a 5th utility*" **by R. Buyya et. al.** This paper can be downloaded using the following URL: http://dx.doi.org/10.1016/j.future.2008.12.001

If you do decide to choose your own paper to read, please ensure that it is relevant to your project needs and is related to cloud computing. Please check with Suhail in case you have difficulty deciding on a paper to choose for this assignment.

In a short write-up, highlight and explain the major points that you comprehend from your chosen paper, what are the take-home messages and do you agree with them

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. As you read, take notes 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, you may start on your 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: include a summary of the main points that you understood from the paper, your opinion regarding the paper's main points, and the points that you did not understand, or did not agree with. Make sure to state why you do not agree through critical analysis of the paper.

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 April 13th 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%
consists of:	
Property	**Percentage**
Deliverables / Content	70%
Language, Grammar	20%
Systematic Method / Analysis	10%

Class Discussion	50%
consists of:	
Property	**Percentage**
Participation	25%
Knowledge / Points Raised	25%