CPSC 545 Computing Systems
Assignment: Presentation on Cloud Computing
Due by 16:00PM, June 1st, 2011

Descriptions:
Internet-based cloud computing has gained tremendous momentum in recent years. Cloud customers outsource their computation and storage to public providers and pay for the service usage on demand. Compared to the traditional computing model that uses dedicated, in-house infrastructure, cloud computing offers unprecedented advantages in terms of cost and reliability. While many public cloud providers offer pay-as-you-go computing, their varying approaches to infrastructure, virtualization, and software services lead to a problem of plenty.

This assignment aims to familiarize you with cloud computing, and enhance your research & presentation skills. You can form a team of 3 members working on the assignment. You need to search and read materials (research papers, technical reports, etc.) available on the Internet and give a presentation on Cloud Computing.

You presentation is expected to be 20-30 minutes. In your presentation slides, you need to include, but not limited to, the following topics:
- What is Cloud Computing?
- What are key benefits/characteristics of Cloud Computing?
- Different cloud service models.
- There are four popular and representative cloud providers: Amazon AWS (http://aws.amazon.com), Microsoft Azure (http://www.microsoft.com/windowsazure), Google AppEngine (http://code.google.com/appengine), and Rackspace CloudServers (http://www.rackspacecloud.com). You need to choose at least 2 providers as your case study. Describe, compare and contrast their services. If you want to add other cloud providers as your case study, you need to communicate with the instructor beforehand for approval.
- What are current issues of Cloud Computing?
- You summary on this study
- References of materials used in this study
- Team member’s contributions

Some Resources:
- Some relevant conferences: CLOUD, SOCC, HotCloud

Requirements:
Each team needs to prepare 15-20 slides and have 15-20 minutes for presentation. Each team must email your ppt slides to zhuy@seattleu.edu with title “Cloud Computing Slides” by 16:00PM, 6/1/2011! Late submission will incur a penalty of 20% point loss.
The presentation slides will be posted online. Each team’s presentation will be based on the submitted slides.

**Grading:**

Both your presentation slides (10 points) and presentation performance (10 points) will be graded.