

Competitive Advantage Through Cloud Computing

Rady Exec Education Course, November 15th, 2001

Instructors: Dr. Chaitan Baru, Dr. James Short
Center for Large-scale Data Systems research (CLDS)
San Diego Supercomputer Center
UC San Diego

Course Outline

Venue: Rady Exec Ed Center

0800–0815	Course outline, introductions
0815–0915	Business Aspects of Cloud Computing, J. Short <ul style="list-style-type: none"> - Market drivers; Cost, Capacity, and Performance; Business strategy linkage
0915–0930	Technical Aspects of Cloud Computing, C. Baru <ul style="list-style-type: none"> - Definitions
0930–0945	Break
0945–1040	Technical Aspects of Cloud Computing, C. Baru <ul style="list-style-type: none"> - Implementation considerations; Applications scenarios; Future directions
1040–1050	Walk to SDSC

Venue: San Diego Supercomputer Center

1050–1135	Case Study of a real cloud <ul style="list-style-type: none"> ◦ Overview of the SDSC Cloud, Douglas Weimer & Stephen Meier ◦ Visit to the SDSC Datacenter
1135–1200	Cloud Summary: 10 Things you can do at your company
1200–1230	(Optional) Informal discussion on continued engagement with SDSC Clouds research center.

Cloud Computing

- What are the motivations, rationale?
 - Market drivers, linkage to business strategy
- What is it? Technical definitions
 - On-demand, elastic, scalable, self-serve access to resources
- How can your organization use it?
 - Application scenarios
- Where is it going?
 - Some future directions

A New Exec Ed Program

- Collaboration between Rady School of Management and the San Diego Supercomputer Center
- Courses on technology and technology management in a rapidly evolving environment
- The “data deluge”
 - Unprecedented amounts of data are being generated...
 - In a rapidly changing IT landscape
 - Data exploitation is central to any enterprise

Introductions

- Instructors: Chaitan Baru, James Short
 - With assistance from Douglas Weimer & Stephen Meier, SDSC
- Attendees
- Course materials:
 - <http://clds.sdsc.edu>, click on Education
 - Files stored in the SDSC Cloud