

## Program Description

This Professional Series is designed to provide an in-depth education in the critical aspects of Cloud Computing. Targeted at IT Professionals and business decision makers, it spans the technical, financial, business and governance domains of the rapidly growing Cloud Computing market.

- “Cloud Computing is insecure” or “Cloud Computing reduces cost” – Learn to separate fact from fiction and debunk the myths surrounding Cloud technology
- Every major IT vendor and telco is getting on the Cloud Computing bandwagon – Learn to discern what’s relevant to assess your organization’s need and readiness to adopt Cloud Computing
- There are currently no recognized industry standards in Cloud Computing – Learn the truth about what it takes to migrate from one Cloud product to another before committing to any particular vendor

## Key Benefits from the Program

### ✓ Presented from a vendor-neutral perspective

Leading experts from UC Berkeley will take students on an intense learning journey starting from Cloud’s Virtualization underpinnings to the latest techniques in Cloud security and deployment methods guaranteed to optimize profitability.

### ✓ Case studies and insights from Silicon Valley

Apart from having hands-on exercises and live demonstrations, the instructor will also focus on case studies and share insights of cutting-edge developments from the Silicon Valley. Guest speakers from major vendors of Cloud Computing will also share their knowledge and facilitate Socratic-style discussions.

### ✓ Professional Certificate in Cloud Computing from UC Berkeley Extension

Upon successful completion of the Professional Series in Cloud Computing, students will receive a professional certificate in Cloud Computing from UC Berkeley Extension and they will be armed to fully appreciate the opportunities of the burgeoning Cloud Computing market segment as individuals and for their organizations.

### ✓ Led by highly qualified industry experts

Instructors are not only faculty members from UC Berkeley Extension, but are also industry practitioners with a wealth of experience developing and deploying Cloud solutions in the public and private sectors in Europe and the USA.

## Who Should Attend

The Professional Series in Cloud Computing is beneficial for:

- CIOs
- Communications/IT Solution Consultants
- Corporate Strategists
- Cloud Programmers/ Administrators
- IT Directors/Managers
- Network Administrators
- Pre-Sales Engineers
- Product Managers/ Marketers
- Storage System Designers
- System Architects
- Technical Support Personnel
- Virtual Machine Programmers/ Administrators

## Course Calendar 2011

Module Titles	Module 1 Cloud Computing – Discovering its Power	Module 2 Optimizing Cloud Computing for Profitability	Module 3 Virtualization as Foundation for Cloud	Module 4 Cloud Security and Governance
<b>Mar 2011</b>	<b>28 – 30</b>	<b>30 Mar – 1 Apr</b>		
<b>July 2011</b>	<b>4 – 6</b>	<b>6 – 8</b>	<b>11 – 13</b>	<b>13 – 15</b>
<b>Oct 2011</b>	<b>10 – 12</b>	<b>12 – 14</b>	<b>17 – 19</b>	<b>19 – 21</b>
<b>Feb/Mar 2012</b>	<b>27 Feb – 29 Feb</b>	<b>29 Feb – 2 Mar</b>	<b>5 Mar – 7 Mar</b>	<b>7 Mar – 9 Mar</b>

**Register Now! Seats are limited!** For registration or enquiries, please call **6837 8388** or email us at [pme@nextu.com.sg](mailto:pme@nextu.com.sg)

## Course Format and Certificate Award Requirements

The Professional Series in Cloud Computing comprises of four full-time courses. Each course comprises 25 instructional hours (2.5 days) and carries 2.5 Continuing Education Units from UC Berkeley Extension.

Students who successfully complete the 100 instructional hours in the Professional Series will be awarded a professional certificate in Cloud Computing from UC Berkeley Extension.

### Module 1

#### CLLOUD COMPUTING – DISCOVERING ITS POWER

Learn how Cloud Computing lowers costs, provide faster/better service and increase flexibility to deliver a powerful new business model for both users and providers of Internet-based services. This foundational module is meant to provide an holistic overview of the field of cloud computing and provide a framework for skillfully selecting the best combination of cloud technologies to meet/exceed business requirements.

### Module 2

#### OPTIMIZING CLOUD COMPUTING FOR PROFITABILITY

Learn techniques to leverage cloud services for maximizing profit, including scheduling strategies. Course topics will cover (1) contemporary cloud service offerings, (2) step-by-step approach to migrate to the cloud, and (3) how to utilize the cloud services for profit.

### Module 3

#### VIRTUALIZATION AS FOUNDATION FOR CLOUD COMPUTING

Learn the theoretical underpinnings and explore the published critical research papers that explain strategic virtualization trade-offs. The instructor will reveal the secrets of the kernel source code and guide students on how virtualization works at the system level.

### Module 4

#### CLLOUD SECURITY AND GOVERNANCE

Learn the vital security concerns for businesses when deploying cloud solutions and how to address these unique security challenges to protect their investment. The course will also cover effective organizational cloud governance and disaster recovery of cloud systems.

## About UC Berkeley Extension

UC Berkeley Extension, the continuing education department of the University of California at Berkeley, has been building bridges between UC Berkeley and the public since 1891. The Extension extends the resources and scholarship of UC Berkeley by serving the continuing and professional education goals of thousands of people each year. This value-added service is an essential part of the University mission to expand its reach, increase access to Berkeley-quality higher education, expand the influence of faculty research, improve the workforce, and build the local and global community.

## Instructors



**Ravi Jagannathan**, B.S., B.Tech. has been in the computing industry for more than twenty-five years with such companies as VMware, Cisco, and Extreme Networks. He has been teaching for more than twenty years. A Virtualization/Cloud Computing and UNIX kernel leader, he has helped launch four successful Silicon Valley startups, raised funds from reputed investment firms, and sold technologies to companies such as Cisco and Sun Microsystems. He is an author of several technical articles in UNIX. Jagannathan teaches Virtualization and Cloud Computing at UC Berkeley. His current interest is Cyber Security in Cloud Computing and Virtualization, where he continues to contribute with hands-on coding.



**James A. Connor**, B.S.E.E., M.B.A., Director of the Engineering and Technology Department at UC Berkeley Extension, which covers technical management, information technology, engineering, and related sustainability subjects including solar energy generation. He has more than 20 years of Silicon Valley experience developing and launching products in the computer and communications marketplaces. Connor has taught at UC Berkeley Extension since 2002.

In collaboration with



 UC Berkeley Extension

# Professional Series in Cloud Computing

## Cloud Computing Un-Clouded!

Course Fees: \$5,000 per module

Discounts are available for the following:

- Early Bird (Register before 25 Feb 2011)
- Group Registration for 3 or more students
- NTUC Members
- Partner Association Members (SiTF, SCS & ITMA)
- Registration for full program (i.e. all 4 modules)

Funding of up to  
**50%** available!\*

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email us at [pme@nextu.com.sg](mailto:pme@nextu.com.sg)

\*Terms and Conditions apply. Please call 6837 8388 for details.

### The Next U™ Edge

Next U's progressive learning curriculum and certification innovates new pathways for continuous learning. Leveraging on global best practices and techniques in professional learning, we help businesses and professionals realise their true potential.

### Next U™ Offers

- Authorised world recognised curriculum
- Collaborations with global best-in-class partners
- Customised training solutions with flexible programme schedules
- State-of-the-art facilities and ISO 9001:2000 certified processes

### To register your

employees for our programmes or to find out more information, please visit [www.nextu.com.sg](http://www.nextu.com.sg) or call us at +65 6837 8388 today.

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