

SEMINAR ON CLOUD COMPUTING

The Convergence of Computing and Communications

Next Big Opportunity to Reduce Business Operation Costs and Create Commerce at the Speed of Light

Attend at the venue convenient to you

Kenya • 3 - 4 March 2010 • Hilton Nairobi Hotel

Singapore • 11-12 March, 2010 • M Hotel Singapore

Provide an in-depth understanding of business opportunities that leverage new virtualization technologies and cloud computing which, are transforming the way in which business applications are deployed and managed to radically improve the Total Cost of Ownership (TCO) of IT infrastructure and Return on Investment (ROI)

Identify new ways to increase revenues using cloud based web services

Provide focus on the role of people, processes, and technology with a vendor independent and technology agnostic approach to cloud computing

ABOUT THE EXPERT COURSE DIRECTOR



Dr. Rao Mikkilineni, is currently the founder and CTO of Kawa Objects, a Silicon Valley startup working on next generation cloud infrastructure. Dr. Rao has over 30 years of experience in both Telecommunications and IT industries. He has held research and senior management positions at AT&T Bell Labs, Bellcore, US West, Network Programs Inc, SS8 Networks, and LightSand Communications. **Read more about him on page 2**

COURSE HIGHLIGHTS

- * Cloud Fundamentals and Deployment Options
- * Global Business Challenges and Business Agility as a Competitive Advantage
- * Cloud Computing and its Benefits - Why it is important for the future
- * Role of People, Processes, and Technology in Responding to Changing Business Needs
- * Addressing Different Cloud Platforms to Serve Different Business Needs
- * Case studies - How to Choose the Right Solution to Suit Particular Business Need
- * Practical Ways to Leverage Cloud Computing to Improve IT Operation and Management
- * A Web Service Application Deployment Using a Cloud to Serve Global Market
- * Managing Varying Workloads and Scaling to Meet Growth
- * Reliability, Availability, and Security in the Cloud
- * Getting the Most out of Cloud Computing - The Best Practices

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special discounts**

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WHY YOU MUST ATTEND

Cloud Computing is the pinnacle of Information Technology managed services evolution providing a degree of business agility that was not possible before. Cloud Computing allows managed service providers to deliver computing resources on a massive scale to both application developers and end users of those applications. Using virtualization technologies, the service providers can offer computing resources on demand over the Internet and charge for them based on usage. They can increase or decrease the virtual resources on demand based on workloads and move them from one location to another based on user requirements. Using cloud resources does not eliminate the costs of IT solutions, but does re-arrange some and reduce others. In addition, consuming cloud services enterprises themselves will increasingly become cloud providers and deliver application, information or business process services to customers and business partners.

After completion of the course, the participants will be able to:

- **Evaluate and appropriately use various cloud computing environments and virtualization technologies to optimize their IT operation and management**
- **Create new services infrastructure to increase new revenues and facilitate communication, collaboration and commerce at the speed of light**
- **Align computing, network and storage resources to match application specific workloads business priorities and resource constraints, and**
- **Implement application specific disaster recovery (DR) and dynamic performance management that are simpler to implement, operate and manage remotely**

WHO SHOULD ATTEND

- Senior Technologists (VPs of Technology, IT Directors, Managers, Network and Storage Managers, Network Engineers, Enterprise Architects, Communications and Networking Specialists, Project Officers, Research and Development, IT Administrators/Engineers, Systems Architect/Designers, Network Systems Administrators, Systems Integrators)
- IT developers, professionals and decision-makers (Application Managers, Projects Managers, Database/Data Center Managers, Internet/Web Supervisors, Program Analysts, Software Developers, Managers of Information Systems, Network Systems Directors, Solutions Architects)
- Business leaders (MDs, GMs, Heads of departments and functions)
- Directors of infrastructure Business Executives including CEOs, CMOs, CIOs, CTOs, CSOs, presidents, VPs, directors, business development
- Product and purchasing managers
- Investors

From these industries:

- Medical & Healthcare • Banking & Finance services • Insurance and Investment houses • Pharmaceuticals & Chemicals • Manufacturing • Energy & Utilities • Government bodies and Associations • Travel & Transportation services • Warehousing & Logistics • Energy & Utilities • Engineering • FMCG • Services • ICT • Telecommunications & Media • Aerospace • Defense • Non profit

YOUR EXPERT COURSE DIRECTOR



Dr. Rao Mikkilineni, is currently the founder and CTO of Kawa Objects, a Silicon Valley startup working on next generation cloud infrastructure. Dr. Rao has over 30 years of

experience in both Telecommunications and IT industries. He has held research and senior management positions at AT&T Bell Labs, Bellcore, US West, Network Programs Inc, SS8 Networks, and LightSand Communications. Most recently, he held the position of Director, storage systems and services engineering at Comstock Systems, which was later merged with Hitachi Data Systems Inc., in USA. Dr. Rao brings a deep knowledge of the storage industry, exceptional technical expertise and a proven track of success.

His practical experience in applying leading-edge technologies to radically improve productivity and quality of Operations and Management in telephony, IP networking and storage networking provides a unique perspective on the role of enterprise systems and technologies. He has written many papers on application of AI and Expert Systems in network operations & management, object oriented technology and software productivity, Video on Demand services management and new approaches to storage service delivery. Most recently contributed papers on cloud computing, application of virtualization in implementing real-time HA/DR and next generation Business Services Fabrics.

Dr. Rao also has worked as a researcher at Courant Institute of Mathematical Sciences, Columbia University and University of Paris. He has published many articles and presented papers in various industry forums. He has a PhD in Physics from the University of California, San Diego, and a Master's Degree from the Japan American Institute of Management Science in Hawaii and Sophia University in Tokyo. He also teaches enterprise security at Golden Gate University in San Francisco.

FOR PRODUCT SHOWCASE OPPORTUNITIES CONTACT:

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Module 1: Cloud Computing Fundamentals

- Develop an in-depth understanding of cloud computing which, is transforming the way in which business applications are deployed and managed to radically improve the Total Cost of Ownership (TCO) of IT infrastructure and Return on Investment (ROI)
- Define what cloud computing is and is not
- Enumerate the benefits and challenges of cloud computing
- Study application architecture and differentiate between public and private clouds
- **After completion of the module, the participants will be able to:**
 - Define and identify benefits and challenges of cloud computing
 - Articulate cloud architecture and reference model

Agenda:

- What is Cloud Computing?
- Role of virtualization in enabling the cloud
- What Cloud Computing is not
- Business agility as a competitive advantage
- Cloud computing benefits and challenges
- Cloud computing architecture and application centricity
 - Application availability
 - Application performance
 - Application security
 - Application recovery from disasters
- Cloud computing reference model
 - State-of-the-art
 - Next generation cloud
- Questions & Answers

Module 2: Anatomy of an Application Deployed in the Cloud

- Learn the technologies and the processes required to deploy web services in a cloud
- Understand how web services are deployed today without the cloud
- Understand how to deploy web services in a cloud
- **After completion of the module, the participants will be able to:**
 - Articulate the difference between a web service deployed without a cloud and with a cloud
 - State the advantages and challenges in deploying the web services on a cloud

Agenda:

- Web Service Deployment infrastructure
- Web Service deployment without the cloud
- Role of Virtualization
- Web Service Deployment on a Cloud
- Questions & Answers

Module 3: Cloud Services Management

- Learn about Reliability, Availability and security in the cloud
- Learn about the different tools and technologies available for assuring availability, performance, security and scaling
- **After completion of the module, the participants will be able to:**
 - Articulate various methods to assure cloud based service management
 - Explain how to scale service deployment to meet fluctuating workloads

Agenda:

- Availability, performance and security in the cloud
- Tools and technologies to manage the cloud services deployment

Module 4: Choosing the Right Cloud

- Learn about various cloud computing infrastructures available for implementing cloud based services
- Learn about the differences between private, public and hybrid clouds
- Understand the economics of various cloud options
- **After completion of the module, the participants will be able to:**
 - Articulate the difference between private, public and hybrid clouds
 - Able to choose the right solution based on application requirements and economic constraints

Agenda:

- Different cloud platforms serving different business needs
- Amazon, Microsoft and Google
- Salesforce.com
- Public and private cloud technologies (Microsoft, VMWare, Ubuntu and Redhat)
- Cloud economics

Module 5: Case Studies of Successful Cloud Based Applications

- Learn about various examples of successful cloud based applications
- Identify the application attributes that are conducive to cloud deployment
- **After completion of the module, the participants will be able to:**
 - Articulate the types of applications suitable for cloud deployment

Agenda:

- Archiving
- Web service scaling
- Testing

Module 6: Application Development in the Cloud

- Learn about various service creation environment to develop cloud based applications
- **After completion of the module, the participants will be able to:**
 - Evaluate various development environments for service development

Agenda:

- Amazon
- Azure
- Google App
- Other

Module 7: Current Best Practices in the Cloud

- Learn about various best practices in adopting cloud computing
- **After completion of the module, the participants will be able to:**
 - Adopt various best practices in developing and deploying cloud based applications

Agenda:

- How to decide if the cloud is right for you
- Common best practices in cloud development
- Common best practices in cloud based service deployment

PROGRAM SCHEDULE DAY 1

- Pre-workshop quiz via e-mail
- 08:30 Registration
- 09:00 Module 1
- 10:40 Refreshments & Networking Break
- 11:00 Module 2
- 12:45 Luncheon
- 14:00 Module 3
- 15:30 Refreshments & Networking Break
- 15:50 Module 4
- 17:00 Conclusions and End of Day 1

PROGRAM SCHEDULE DAY 2

- 08:30 Registration
- 09:00 Module 5
- 10:40 Refreshments & Networking Break
- 11:00 Module 6
- 12:45 Luncheon
- 14:00 Module 7
- 15:30 Refreshments & Networking Break
- 15:50 Review, Discussion, Q&A
- 17:00 Conclusion and Closing of Seminar
- Post-workshop quiz via e-mail

Register Today!

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