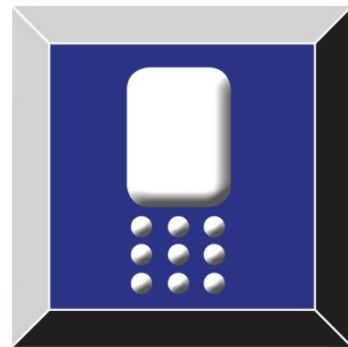# aitec
east africa
ict summit

Featuring Three Worlds in One Event

CLOUD COMPUTING WORLD

DATA SECURITY WORLD

MOBILE APPLICATIONS WORLD

Theme: *We have the bandwidth. Now what?*

Conference Programme
Oshwal Centre, Nairobi
2-3 November 2011

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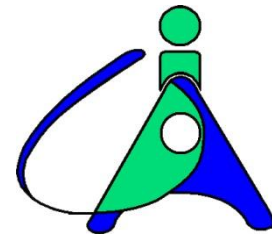
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aitec africa
• network
• learn
• do business

KEYNOTES

Cloud strategies, challenges and opportunities to develop a competitive advantage in East Africa
Dr Anil Sahai, Lead Consultant, AITEC Consulting Services, USA

Converging technologies: Cloud, data security and mobile applications in implementing a global strategy to fight counterfeit products, illicit trade and sub-standard goods
David Svarrer, CEO, Digital Age Institute, Kenya

Harnessing ICT for small and medium-size enterprises: Success stories from small nations
Dr Baharul Islam, Chairman & CEO, Development Gateway South Asia, India

How East Africa can market its ICT skills internationally
Gurmeet Chopra, Head Middle East & Africa, Avasant, Ghana

MOBILE APPS WORLD

The consumer perspective on mCommerce
Isis Nyong'o, Vice President & MD, Africa, InMobi, Kenya

Currently data is lacking in the mobile ecosystem and we don't fully understand the consumer and their usage, habits and sentiment around mobile commerce. After leveraging InMobi's global network of over 194 million consumers in over 115 countries to research this issue in depth, this session will dive into the likes and dislikes around the mCommerce experience, usage incidence and trends of the brands, sites and Apps most commonly used. The research will include mCommerce behaviors by device and outline the demographic profile of mCommerce users. Finally and most important, the analysis helps link mobile advertising strategy to mobile commerce strategy for retailers and content players. Attendees will take away an understanding of how mobile compares to the PC web, will learn how consumers alter their purchasing behaviour due to the introduction of mCommerce, and finally understand how this all links to mobile advertising.

ICT and business in Africa: What is the next best thing?
Mouhamet Diop, Chairman & CEO, Kheweul.com and CEO, NEXT, Senegal

Elma: A case study on bringing a new software innovation to market
Kamal Budhabhatti, CEO, Craft Silicon, Kenya

Mobility for business in East Africa
John Waibochi, CEO, Virtual City, Kenya

Experiences on the front-edge of mobile app startups in Kenya
Erik Hershman, Director of Operations & Strategy, Ushahidi & Director, iHub, Kenya

The readiness of African networks for broadband
Bill Hearmon, Chairman, African Broadband Forum, South Africa

Developing mobile applications for agriculture
Amos Gichamba, Assistant Lecturer, Computer Science Department, Africa Nazarene University, Kenya

DATA SECURITY WORLD

Data security and intrusion prevention
Gal Arbel, VP Sales & Marketing, Amiran Communications, Kenya

Today's fast internet and fibre connectivity brings with it a wave of data security threats. These threats are relevant to us all...Detecting, and preventing these risks will be a challenge to every organization, large or small. We will explore the latest strategies to defend networks against these threats.

Can a human firewall protect your data?
Stephen Kariuki, Principle Consultant, Harmony Solutions, Kenya

What is the current security scenario?
Why a human firewall?
What is a human firewall?
How to implement a human firewall

Data Security World Training Workshops
Held in partnership with Afrika-Verein der deutschen Wirtschaft (German African Business Association)

Workshop 1: Secure access to ICT

Workshop 2: Network Security

CLOUD COMPUTING WORLD

Latest developments in Cloud Computing
René Raeber, Technical Solutions Architect, Cisco, Switzerland

How Cloud Computing can help achieve business objectives with a positive impact on the bottom line
Evans Nyangah, Head of Enterprise Sales, Safaricom, Kenya

Cloud Computing - How the last mile will affect the responsiveness of cloud-based applications
Stephen Ciirah, GICT FSG Director, World Vision International, Kenya

A practical framework for implementing a cloud strategy
Dr.Carol Mureithii, Swift Global, Kenya

How business enterprises can benefit by leveraging on readily available cloud-based business applications – SAAS
Eric Mujera, Business Development Manager, Sevenseas Technologies Group, Kenya

- What is SAAS?
- Key benefits to the business
- Typical Applications in the business Environment
- Live demo's of Applicable SAAS solutions

More than concepts: Delivering solutions on cloud
Jyoti S Mukherjee, CEO, Software Technologies, Kenya

Cloud Computing World Training Workshops
Presented by Dr Anil Sahai, Managing Consultant, AITEC Consulting Services, USA

The potential benefits of cloud computing are overwhelming. However, attaining these benefits requires that each aspect of the cloud platform support the key design principles of the cloud model. The core design principles are dynamic scaleability, and the ability to provision and decommission resources like servers, network, storage, database and applications on demand. So, just as the public Internet led to private corporate intranets, cloud computing is now transforming private cloud platforms. Both public and private cloud platforms are looking to deliver the benefits of cloud computing to their customers. Cloud computing is driven by some tangible and powerful benefits. Whether the cloud is provided as an internal corporate resource, as a service hosted by a third party, or as a hybrid of these two models, there are some very real advantages to this model.

These advantages derive from specialization and economies of scale:

Specialization: There is a great deal of specialized knowledge required to set-up and operate systems to address security, scaleabilty, platform maintenance (patches, updates), data maintenance (backups) and more. In a traditional model, each development effort had to include this expertise on staff. Cloud computing enables these capabilities to be staffed by experts who are shared across many customers. This degree of specialization enables a variety of benefits that are driving cloud computing.

Economies of Scale: This is also a powerful driver for cloud computing. The ideal platform is very expensive to build. The servers, networking equipment, data storage/backup, power, redundant high-speed connectivity, etc. can result in a huge start-up cost for a single product or project. Add to this the fact that most development efforts fail, and the economics simply don't make sense for investment of this level in each project. Cloud computing enjoys economies of scale, because that same investment can be amortized over a large number of projects. If one project fails, it can be replaced by a number of new projects that continue to amortize the initial

investment.

Importantly, economies of scale also apply to IT tasks. For example, let us use backup as an example of a standard IT task. In a standalone environment, an IT person might schedule and manage the backup process. In a cloud environment, backup is highly automated, whereby that same IT person can oversee simultaneous backups for hundreds or thousands of customers.

Cloud Computing: More than meets the eyes

Nuances of SaaS, Virtualization and now Cloud computing can easily overwhelm IT managers in trying to decide what is the right set of technologies for their needs. Cloud computing provides the premise for application vendors to quickly offer their products without worrying about investing in the infrastructure. However, the solution can be more complex than it appears. On the same hand, cloud computing also offers business opportunities for companies to help other vendors in their cloud migration projects from strategy development to cloud vendor selection to actual migration of applications and data.
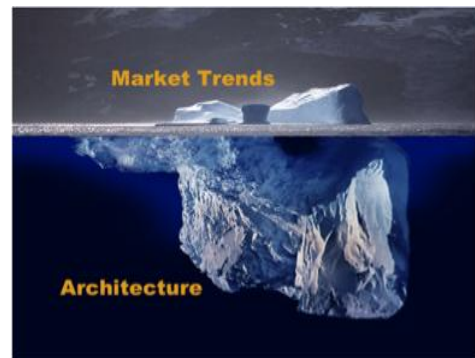
"Cloud Computing is a model for the procurement of computing resources whereby they are purchased as a utility and consumed over the Internet."
... Gartner 2009

Workshops Objectives

The Cloud Computing Workshops are designed to provide a comprehensive introduction to cloud computing technologies, and an overview of the challenges and practical considerations in developing a successful cloud strategy. The workshops are presented in two sessions covering the following topics:

Workshop 1: A practical framework for implementing a Cloud Strategy

The topics will include:

1. Introduction to Cloud Computing and the building blocks (IaaS, PaaS and SaaS)
2. Types of Cloud Computing Services
3. Benefits of Cloud Computing
4. Uncertainties, Risks and Challenges
   a. Security
   b. Capacity
   c. Performance
   d. Availability and Scaleabilty
   e. Fault Tolerance
5. Data and Application Migration
6. Testing and Q&A
7. Introduction to Cloud Providers
   a. How to Choose your Provider
   b. SLAs and Management
   c. Key questions for Cloud providers in developing a Cloud Strategy
8. Developing a Cloud Strategy

Workshop 2: Capacity planning, performance management and scaleability analysis

Cloud platforms provide great opportunities to application vendors to offer their product as a service to their customers at significant cost savings. However, this also introduces many challenges in managing performance and capacity planning of these solutions for cloud & SaaS providers, application vendors as well as the end users to ensure cost savings in capital acquisition, operations and SLAs guarantees. Monitoring is only a good first step in this effort. Large volumes of monitored data remain unused, and cannot be used to forecast performance and scaleabilty of the overall solution except for limited predictions using simple trending analysis.
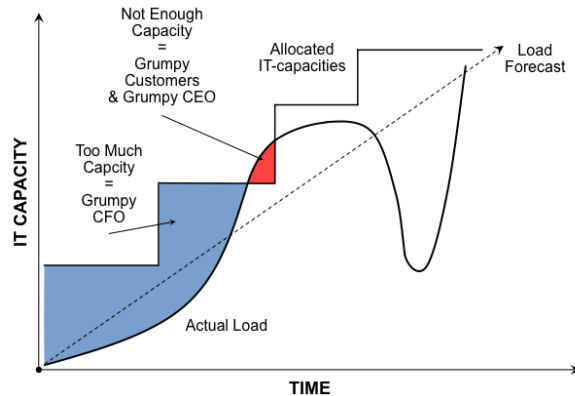
The topics will include:

1. Performance, Capacity and Scaleability Challenges
2. Monitoring Solutions
3. Performance Modeling for Capacity Planning and Scaleabilty Analysis
4. SLA Management for Performance and Capacity

Who will Benefit from this training?

This is a particularly growing business opportunity for companies as well as individual service providers to learn, understand and utilize Cloud technologies, to align IT strategy with their business, quickly bring IT products and services to market with minimum investment in infrastructure, as well as to enhance their portfolio offerings. This workshop is particularly suited for IT Managers, System Engineers, IT Consultants, System Analysts, CTOs, Capacity Planners, Professional Services Developers.