

Cloud Computing for DoD & Government™

Developing Strategies to
Increase Database Storage
& Management Efficiency

February 22 - 24, 2010
Hilton Old Town, Alexandria, VA



Lead the way with revolutionary
cloud computing initiatives by
attending sessions on:

- Implementation of SaaS solutions
- The immediate need to coordinate cloud standards and how they provide benefit to the enterprise
- Security challenges and solutions for government organizations planning a move to the cloud
- Current DoD and Government programs and future plans for cloud computing activities

Meet key decision-makers and hear from a
distinguished speaker faculty that includes:

Mark Krzysko

Acting Deputy Director, ARA, EI&OS

Maj Gen Stephen Gross, USAFR

Mobilization Assistant to the Chief of Warfighting
Integration and Chief Information Officer

Henry Sienkiewicz

Technical Program Director, DISA

June Hartley

CIO, National Business Center, Department of Interior

William C. Barker

Chief Cyber Security Advisor, NIST

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There is an ever-increasing number of companies buying **computing, storage, and networking power** as they need it from the cloud. Now there is an even greater need for a one-stop event that brings together players from the main layers of the **Cloud ecosystem - the infrastructure players, the platform providers, and those offering applications.**

This year, President Obama appointed the first Federal CIO propelling the government into new age of computing. **The current economic situation brings forth new opportunities for the government to spend more money on leaner yet necessary supercomputing technologies.** Leading integrators are jumping at the opportunity to **establish “clouds” of partnerships in order to maximize interoperability** across all government agencies and services.

IDGA's Cloud Computing for DoD & Government is your opportunity to claim your place in the virtual world of DoD and federal government data storage. You will be able to meet with top-notch innovators for **your chance to tap into the emerging market of cloud computing for defense and government.**

This premier event will emphasize the following key issues:

- **Survivability of a cloud**
- **Technical definitions and security roles**
- **Tactical cloud computing**
- **Securing cloud based applications**
- **and much more!**

Do not delay!

Set standards and keep your cloud secure – register today!

Who You Will Meet

IDGA's Cloud Computing for DoD & Government is a forum on the revolutionary challenges the IT community currently faces in data storage and management. You will have the unique opportunity to interact and network with an audience of military, government, academic and private sector leaders with job functions such as:

- **CIO**
- **IT Manager**
- **Cyber Security**
- **Chief Technology Officer**
- **Enterprise Architecture**
- **Architecture Integration**
- **Technology Services**
- **Engineers**
- **Business Transformation**
- **Enterprise Transformation**

About IDGA



The Institute for Defense & Government Advancement (IDGA) is a non-partisan

information-based organization dedicated to the promotion of innovative ideas in public service and defense through live conferences and events. We bring together speaker panels and events comprised of military and government professionals while attracting delegates with decision-making power from military, government, and defense industries.

In addition to our live events, IDGA also offers an online community dedicated to providing defense industry professionals with breaking news, business opportunities, introductions, podcasts, webinars, and presentations from key industry leaders. Members of our online community are able to extend their live event experience and interact with the defense industry by leveraging the opportunity to network, share ideas, best practices, and business solutions.

Follow us on **twitter**

Get the latest news on Cloud Computing for DoD and Government including updates and exclusive discounts to IDGA's related events.

“I don’t get the chance to get too many of these events, but I feel that this conference has been very interesting and helpful.”

- Senior Member Technical Staff, Rincon Research Corporation

Cloud Computing Workshop Day

Monday, February 22, 2010

Sign up for this in-depth and interactive workshop day examining the strategies behind cloud standards and security. During this focus day, you can expect smaller, classroom-style sessions, live applications, in-depth discussions with the class leaders and fellow attendees.

7:30am **Registration & Coffee**

8:00am–10:00am

Obtain vital information on cloud computing standards

Coordinating Cloud Standards

As cloud computing is becoming a reality for enterprise data centers, standards are increasingly important to provide interoperability between enterprise clouds and cloud service providers. This workshop will focus on current and emerging standards that will be utilized to enable enhanced portability and flexibility of virtualized applications in this emerging cloud computing paradigm.

What will be covered:

- Mapping cloud use cases to standards
- Leveraging the enumerable and quantifiable benefits of the cloud
- Maintaining total control over private and sensitive data

How you will benefit:

- Investigate the true opportunity that cloud computing offers
- Learn best practices to effectively use these applications

Session Leader: Doina Bein, Research Associate, Information Science and Technology Division of the Applied Research Laboratory, Pennsylvania State University

10:15am–11:15am

Ensuring availability in volatile resources

Cloud Computing on Volatile Resources

Increasingly services are being deployed over large-scale computational and storage infrastructures. To meet ever-increasing computational demands and to reduce both hardware and system administration costs, these infrastructures have begun to include Internet resources distributed over enterprise and residential broadband networks. As these infrastructures increase in scale to hundreds of thousands to millions of resources, issues of resource availability and service reliability inevitably emerge. This workshop will drive a change in software development methodology.

What will be covered:

- Explore the endless opportunities of cloud computing
- Learn best practices to effectively use these applications

How you will benefit:

- Learn key strategies for empowering agency-wide participation
- Understand how to develop applications that are cost-effectively in scale

Session Leaders: Wu-chun Feng, Associate Professor, Director, SyNeRGy Laboratory, Virginia Tech

Heshan Lin, Senior Research Associate, Virginia Tech

11:30am–12:30pm

Securing your Cloud

Secure Cloud Computing: A Researcher's Viewpoint

Due to several hard-to-resist benefits, Cloud Computing, in such forms as Storage as a Service, Software as a Service, and Platform as a Service, has been increasingly embraced by the industry as well as governments. However, security (e.g., data protection, availability, data loss, sense of control) tops the list of concerns with cloud computing (InformationWeek Survey). This session will discuss the truths and misunderstandings about secure cloud computing.

What will be covered:

- Does cloud computing really make enterprise IT solutions more vulnerable?
- Securing an enterprise's clouds is more a management issue or a technical issue?
- What are the new technical hurdles beyond properly deploying

current security protection tools? How could these hurdles be overcome?

How you will benefit:

- Gain a deeper understanding of the security issues associated with cloud computing, particularly from a technical point of view
- Distinguish the truths from the misunderstandings about secure cloud computing
- Learn the emerging R&D challenges in making cloud computing secure and trustworthy

Session Leader:

Dr. Peng Liu, Associate Professor, Director, Cyber Security Lab, Penn State University

12:30pm–1:30pm **Lunch for Workshop Attendees and Speakers**

1:30pm–2:30pm

Cloud Computing Initiatives at DISA

Session Leader: Alfred Rivera, Director, Computing Services, DISA



Main Summit Day One

Tuesday, February 23, 2010

7:15 **Registration & Coffee**

8:00 **Chairperson's Welcome & Opening Remarks**

Jim Graves, Senior Vice President, Homeland Security Solutions, QinetiQ North America

8:10 **Cloud Computing Priorities: Managing Technical Definitions and Security Roles**

Mark Krzysko, Acting Deputy Director, ARA, EI&OS

8:50 **Requirements for Collaboration in the Cloud**

- Best practices for implementing a secure on-premise and cloud deployment mix
 - Crossing boundaries and taking the full benefits from Cloud Computing
- Patrick Dowd, Chief Architect, NSA

9:30 **Networking Break**

10:10 **Securing Google's Cloud**

Hear from one of the top cloud computing security experts about what goes into securing Google's cloud computing applications.
Eran Feigenbaum, Director of Security, Google Enterprise

10:50 **The Federal Cloud Computing Initiative and the Progress-to-Date**

- Establishing a cloud-based collaboration environment
 - Improving the government's ability to create a transparent, open and participatory government
- Peter Tseronis, PMP, Deputy Associate CIO, US Department of Energy

11:30 **Establishing Key Elements of the Security Foundation**

- Enabling warfighting capabilities through the network
 - Realizing efficiencies while improving effectiveness
 - Ensuring interoperability across the DoD
- David Honeywell, Chief, Network Managed Services Branch, DISA

12:10 **Lunch**

1:20 **Securing Cloud-Based Applications**

- Exploring best practices and emerging standards in securing cloud computing solutions
 - Methodologies for securing shared resources
- Dr. Stephen M. Jarrett, CTO ISR/IO/IA & Cyber Security Code 50DE, Space & Naval Warfare Systems Center Atlantic

1:50 **Case Study to be presented by Microsoft**

Dan Craytor, Chief Architect, Microsoft, US Department of Defense

2:30 **Application Hosting and Cloud Computing**

- Integrating external cloud applications with on-premise data and processes
 - Reducing IT costs through cloud computing
- June Hartley, CIO Department of Interior

3:10 **Networking Break**

3:50 **Open Source Infrastructure for Data Intensive Computing**

- Understanding an open source cloud application
 - Interoperability issues and emerging standards
- Dr. Richard W. Etter, CISSP, Senior Information Assurance Officer, Acting Director, Cyber Security & Critical Infrastructure, Office of the Chief Information Officer, Department of the Navy

4:30 **Panel: Open Source in the Cloud**

Open Source was recently cited as one of the biggest trends in computing in the last ten years. Cloud computing promises to occupy the next ten years. How do these two approaches work together?

- Should you care if cloud solutions are built on open source?
- Since everything's in the cloud, is open source irrelevant?
- What about security considerations in these shared environments?
- What lessons have we learned from open source that we can apply to cloud environments?

Gunnar Hellekson, Lead Architect, Red Hat Government
Van Ristau, CTO, DLT Solutions
Cole Crawford, CTO, Autonomic Resources

5:10 **Cloud Computing with RACE**

- Updates on program capabilities and successes
 - Opportunities for standardized computing platforms that they can quickly, inexpensively and securely be set up
- Henry Sienkiewicz, Technical Program Director, DISA

5:50 **End of Day One**

Main Summit Day Two

Wednesday, February 24, 2010

7:30 **Registration & Coffee**

8:00 **Chairperson's Welcome & Opening Remarks**

Jim Graves, Senior Vice President, Homeland Security Solutions, QinetiQ North America

8:10 **The USAF's Position and Initiatives in Cloud Computing**

- Strategic goals and requirements on cloud computing
 - Current USAF cloud computing projects
- Maj Gen Stephen Gross, USAFR, Mobilization Assistant to the Chief of Warfighting Integration and Chief Information Officer

8:50 **Service Oriented Architecture & Cloud Computing**

Jim Graves, Senior Vice President, Homeland Security Solutions, QinetiQ North America

9:30 **Supporting DoD Operations with Cloud Computing**

Providing a vision of how cloud computing technologies and techniques can be used to support DoD operations in the not too distant future
Kevin L. Jackson, Author & Founder, Cloud Musings

10:10 **Networking Break**

10:50 **Round Table Discussion: The Future of the Cloud**

Take part in facilitated roundtable discussion about successful cloud computing applications and how your organization can benefit from this new era of data storage.
Moderated by: Jeremy Geelan, Senior Vice President, SYS-CON Media & Events, & Founder, Cloud Computing Journal

11:20 **Applying Various Virtualization Techniques within the Cloud**

- Understanding the realities of both virtualization and Cloud Computing security
 - Deal with the things that don't change and also the things that do profoundly
- William C. Barker, Chief Cybersecurity Advisor, NIST

12:00 **Lunch**

1:15 **Cloud Computing: Secure and Effective Use**

- Technical guidance and standards
 - Cloud architectures, security, and deployment strategies
- Peter Mell, Cloud Computing Project Lead & Senior Computer Scientist, NIST
James Tsujimoto, Office of Government Wide Policy, GSA

2:00 **Survivability of a Cloud**

- Understanding the environmental risks of a cloud in different geographical locations
 - Disaster recovery in the storage cloud
- Ron Ross, Computer Security Division, Information Technology Laboratory, NIST

2:45 **Networking Break**

3:15 **Management and Policy Challenges Related to the Cloud**

- Understanding the tectonic shift in how computing is done
 - Embracing new paradigms in computing
 - How to change the mindsets and assumptions of users, IT staff, managers, and policy makers
- Michael R. Nelson, Visiting Professor, Internet Studies, Communication, Culture & Technology Program, Georgetown University

4:00 **Tactical Cloud Computing**

- The tactical cloud and interoperability
 - Supporting the warfighter in joint, interagency, and coalition environments
- Mary Ann Malloy, PhD, Principal Information Systems Engineer, Data Transparency Group Leader, Department E142 - Warfighter Architecting, The MITRE Corporation

4:45 **End of Main Summit**

About the Venue

Hilton Old Town Alexandria
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July 2010

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		Register & Pay by Fri. Dec 4	Register & Pay by Fri. Jan 15	Standard Pricing
Main Summit	\$999	\$799	\$899	\$999
Cloud Computing Workshop Day	\$500	\$500	\$500	\$500

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Military personnel are kindly requested to be in uniform. Appropriate attire for Industry is business casual.

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