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The Flyzik 5

By Jim Flyzik, The Flyzik Group



The Top 5 Wireless

Technologies to Watch

- **Mobile Biometric Identification.** The capability to positively identify individuals at emergency sites, controlled events, law enforcement vehicle stops --- the uses are endless.
- **Mobile Asset Tracking and Security.** The capability to track or find missing PDA's, Laptops and other valued assets immediately --- remotely render them useless too if required.
- **Mobile Health Assessments.** The capability to wear the monitor while walking or jogging while results are being sent in real time to your Doctor. Eliminate the paper processes and the wait at the Doctor's office too --- send pictures, x-rays, MRI and blood test results, etc., etc.
- **Global Roaming and Internet Access.** Carry a device that will *automatically* work anywhere in the world.
- **Mobile Payments.** No more cash or cards needed. Pay securely with a click on your cell phone or wireless device ---- or perhaps just a thumbprint.

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Thought Leadership Is In the Clouds and In the Air

by Tom Trezza, Jr.
 President, Trezza Media Group

One of the biggest benefits from hosting our Federal Executive Forums and Roundtables every month is listening to the thoughts and ideas from our Top IT Leaders in the Federal Government and trying to understand "what is the Next Big Thing".



During our last 2 Federal Executive Forum Programs, John Garing-CIO, DISA, spoke about how the Defense Department is discussing with some corporate firms like Google & Amazon to host managed services on internet based systems (In The Clouds). And Dr. David Boyd, Director-Command, Control & Interoperability, Science & Technology Directorate, DHS spoke about the progress made with industry on developing multi band-interoperable radios that will help our emergency responders-law enforcement and homeland security personnel.

Cloud Computing, a collection of services that leverage the internet with trusted sites-is seriously being discussed by the federal government and DoD is taking the lead here. CIO's are beginning to understand that for commodity services like E-Mail, Data Storage, E-Commerce-etc., that there are some leading commercial firms that already have the infrastructure built-so it's cheaper to buy these services on demand. While still in the early stages-I believe that the benefit for government is the ability to put platforms together to share information more effectively and to communicate as a community. The dialog is just starting and industry has an opportunity to help "shape" this discussion and provide government with the solutions and services needed while managing their IT budgets more effectively. To listen to John Garing, [click here](#):



DISA's John Garing on Managed Services & Cloud Computing

Last month, The Department of Homeland Security released their National Emergency Communications Plan which outlined the strategy to strengthen our emergency communications capabilities nationwide-using technology-along with training-coordination-planning and exercises at all levels of government to help our public safety-public health and emergency management communities. On our Wireless Interoperability program, Dr. David Boyd discussed how industry is starting to deliver on the promise of one of their biggest challenges-emergency communication over different frequencies on portable digital radios-so that there is secure-interoperable communication in times of a natural disaster-or a terrorist attack. To listen to Dr. David Boyd, [click here](#):



Federal Executive Forum: Wireless Interoperability



This Program Discussed:

- Progress report on Wireless Solution within federal agencies
- Are we making progress among federal, state & local entities
- What are the major challenges still ahead
- Are there better ways to better use the frequencies allocated for law enforcement & public safety
- What is the vision for the future

Panelists:

Dr. David Boyd- Director, Command, Control and Interoperability - Science and Technology Directorate, DHS

Kent Holtgrewe - Deputy CIO for Policy and Planning

Paige Atkins - Director, Defense Spectrum Organization - DISA

James Ransome - Ph.D., CISSP, CISM, Senior Director, Secure Unified Wireless and Mobility Solutions Corporate Security Programs and Global Government Solutions, Cisco Systems, Inc.

Moderator:

Jim Flyzik -Flyzik Group

To watch the video or listen to the audio on any of our prior programs, please go to our [Program Page](#) on [Federal News Radio](#).

One-On-One with Jim Flyzik:

**Greg Giddens, Exec. Dir.,
Secure Border Initiative, DHS**



DHS's Dr. David Boyd on Successes in Wireless Interoperability

Read the entire, just-released [DHS-National Emergency Communication Plan](#).

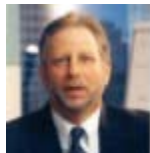
In the media & publishing business, we were always looking to develop the next great idea-because money always seem to follow that concept. In my view, it's the same inside the federal government-the IT budgets will always follow the ideas that help solve agency mission needs-and it looks like emerging technologies and solutions around Cloud Computing-Wireless-Web 2.0 Apps-Virtualization-Biometrics-etc-are beginning to really surface in the dialog around solving these missions.

- Tom



Cloud Computing

By Jeff Erlichman, Public Sector Communications



While doing research for reports on data center automation and Virtualization, I came across a recent issue of DISA's official newsletter, the Grid, which featured an article titled "Possibilities Panel Discussion: "What's Next?" Penned by Jerome W. Mapp from DISA Corporate Communications, the article recounted a panel discussion recently moderated by John Garing, DISA chief information officer and director of Strategic Planning.

The discussion titled "Possibilities" featured experts from the federal government and the private sector talking about IT innovations and the future. Panelists included:

- Dr. Werner Vogels, vice president and chief security officer, Amazon.com
- David Mihelcic, DISA chief technology officer and principal director, Global Information Grid Enterprise Services-Engineering
- Evan G. Burfield, chairman and chief executive officer, Synteractive
- Alfred Rivera, director, DISA computing services.

The discussion began with Garing quoting a Washington Post article that stated we will



In this special 30-minute program Greg Giddens discussed past and current career experiences and the future of the Secure Border Program:

Part I. The Near Term:

- What are some of the major accomplishments of the Secure Border Initiative over the past few years
- What are the priorities for the program for the remainder of FY08 and into FY09
- What are some of the biggest challenges that still need to be addressed to make progress

Part II. Lessons Learned:

- Biggest surprises encountered on the SBI program
- Actions to do over again on SBI - if any
- Involvement from relevant stakeholders on the SBI Program

Part III. The Future Vision:

- Will Presidential Transition impact SBI & key elements needed to sustain success on this program in the future

To listen or view this program, [click here.](#)

The 2008 Federal Executive Forum Schedule Includes:

- September 2008 - SOA
- October 2008 - Future Technologies- Visualization-Virtualization & Performance Management (sold out)
- October 2008 - Identity Management-2 Years in Review
- November 2008 - Emergency Preparedness and Response-2 Years in Review
- December 2008 - Open Source Computing -2 Years in Review
- January 2009 - CyberSecurity -3 Years in Review
- February 2009 - Green Government -1 Year in Review

make another billion-fold increase in IT capabilities at the same cost over the next 25 years. That's pretty impressive. So what's next?

Vogels said he would not be surprised to see major advances in information technology in the next five to 10 years because "most of these changes are already in progress." But as interesting as the future is, there is a lot of technology already in place today, if according to Mihelcic, "we have the courage to reach out and bring it into our infrastructure."

"Our NCES program, Net-Centric Enterprise Services, with a service-oriented architecture foundation, is predicated on the same notion that Amazon is built on," Mihelcic said. "We can [now] build services that are reusable to integrate and build capability much more rapidly than we could otherwise."

Mihelcic said that DISA is meeting the challenges of getting capabilities quickly into the hands of its customers, citing, for instance, the mobile command-and-control capabilities that allow commanders on the battlefield to communicate with speed and efficiency. Citing the available hardware, software, and collaboration tools, he added, "All of this is available today if only we choose to make use of it."

With Amazon.com as an example, the question becomes how [government] loosen the restrictions in implementing those innovations with the technology that is available? And that means using the power of the infrastructure services "available in the cloud" that companies like Amazon and Google provide. And when it comes to data centers, the future is in to stop thinking about physical infrastructure and data centers as a unit according to Vogels.

"You stop thinking about computing, you stop thinking about computer cycles, you stop thinking about storage units as virtual units," Vogels said. "You have to take the [next] step of virtualizing your infrastructure so you are no longer constrained by these boxes. To build an agile enterprise, you need to be able to get all those resources at your fingertips that you need and seamlessly move through those."

In other words you just need to know who is operating the service and whether they are trusted and secure. You don't need to know or care whether it's running on Google's cloud or Amazon's cloud. You just need the service to solve your problem.

The old cycle was build, deploy, observe, and think of the next generation. Now it is that you find the services you need, you connect the services, innovate on part of that with business logic and reflect on that said Vogels.

Mihelcic said that DISA needs a platform for innovation. "We don't need IT networks, we don't need computing centers, we don't need operating systems, we don't need command-and-control stats," he said.

"We need a platform for innovation to allow the department to do what Amazon has been doing—move to bringing capabilities to the network in small packages that leverage everything that has been built before. We need to streamline testing and development and certification."

In other words, invest in "cloud" computing capabilities, which lets users store and

- February 2009 - Border Security-3 Years in Review (Live at AFCEA Homeland Security Conference)
- March 2009 - Net Centric Operations-2 Years in Review
- April 2009 -Telework-2 Years in Review
- April 2009 Information & Intelligence Sharing-3 Years in Review
- May 2009 -Health IT In Government-2 Years in Review
- June 2009 - Future Technologies- Biometrics-Storage Technologies & Web 2.0 Apps

For information about being one of the sponsoring industry companies, please [click here](#) to learn more.

access data via the Internet. Why re-invent something time and time again.

Organizations like DISA are asking that question and are hoping the answer is in the clouds.

Jeff

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