

**Welcome
to the First Swiss
Augmented Reality
Developer Conference!**



Welcome



Siddhartha ARORA
Technology Manager, IBM Innovation Centers
March 1, 2010





For your health and safety ...



- ✓ Break-out Rooms:
 - ✓ **SEMINAR RAUM 4 and 6 (IBM Forum Ground Floor), Room 7 (1st Floor)**

- ✓ Lockers

- ✓ Fire Exits

- ✓ Toilets

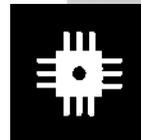
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Our world is becoming

INSTRUMENTED



Our world is becoming

INTERCONNECTED



Virtually all things, processes and ways of working are becoming

INTELLIGENT



IBM Innovation Center Zurich Infrastructure



▪ Blade / VMware Rack

- 2 Blade Center H with HS21 & JS21 Blades
- 3 x3650 VMware Server
- 1 xSeries 306m Management Server

▪ Linux Systems Rack

- 2x System x3850 Intel Xeon
- 2x System p52a
- 1 x HMC & Console rackmounted
- 4 Port SAN

▪ Power Systems Rack

- Power 770 and 570
- HMC + Console Rackmounted
- 1x 36GB Dat72 Tape Drive



▪ System z

- z10 BC (96 GB RAM)

▪ Tape Unit for z

- IBM TotalStorage 3592 Enterprise Tape Drive

▪ Disk Storage

- IBM TotalStorage DS8100
- 2 x DS4700 Storage

Including remote access!

IBM developerWorks: Because *you* matter





developerWorks: IBM's community of developers, IT professionals, & students

- ✓ IBM developerWorks is the destination on the Web for developers and IT professionals to stay ahead of the latest trends in open standards, develop skills, solve problems, and collaborate with peers.
- ✓ Maximizes productivity through targeted technical resources, connects peers, and provides career-building recognition.
- ✓ Delivers unparalleled content in 8 languages, including articles, tutorials, demos, events, and more.

Key Statistics:

- 4M Unique Visitors per month
- 30,000 items in our technical library
- 34 industry awards
- Serves 195 countries
- 8 local language sites

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Ten years of launching resources that put our users on top of the latest trends:

- ✓ 2000: Java, Linux, and XML Zones
- ✓ 2001: Software Evaluation Kit for Linux
- ✓ 2002: Web services zone
- ✓ 2003: Grid and Autonomic computing zones
- ✓ 2004: Cloudscape and related resources available
- ✓ 2005: PHP project resources
- ✓ 2006: Web development zone and Ajax Resource Center
- ✓ 2007: developerWorks wins Jolt Hall of Fame Award
- ✓ 2008: Cloud computing, Green IT, and Smarter Planet
- ✓ 2009: My developerWorks launches as the "World's Geekiest Social Network"

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- [Dynamic, typesafe queries in JPA 2.0 \(Java technology\)](#)
- [Three ways to recycle commodity hardware with Linux \(Linux\)](#)
- [Informix Dynamic Server 11.50 Fundamentals Exam 555 certification preparation: Tools and utilities \(Information Management\)](#)
- [Integrate your PHP application with Google Contacts: Read and write contact information from Google Contacts with XML and PHP \(XML\)](#)
- [Send developerWorks a birthday wish \(Community\)](#)

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Forum: Lotus Notes/Domino 8.5
Ask questions and get answers.

Forum: Best Practices for SOA and Web Services
Discuss the lessons learned on best practices for Web services.

Blog: Michael O'Connell
developerWorks turns 10: The more things change...

Technical events

Webcast: The Jazz revolution: Scaling agile practices across the enterprise
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Rational software mini conference
Get hands-on experience with IBM Rational software development tools in this 2-day workshop. (8-9 Oct 2009, Cincinnati, Ohio)

Cloud computing for developers: Hosted by IBM and Amazon Web Services



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developerWorks

IBM's resource for developers and IT professionals

Cloud computing with Amazon Web Services
Learn basic Amazon SimpleDB (SDB) concepts and explore some of the functions provided by boto, an open source Python library for interacting with SDB. Discover how Amazon SDB's fast, scalable real-time dataset indexing and que framework makes it easy to store and retrieve str for your Amazon Web Services-based application

Breaking news!
Try IBM software on the AWS cloud

Editor's picks

- Top 10: Readers' favorite open source content
- Five good programming habits in PHP

Hot topics:

- Web 2.0
- Ajax
- Eclipse
- UML
- Java
- XML



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- ✓ Build relationships with technical professionals who have similar interests.
- ✓ Collaborate to find ideal solutions to your tough technical questions.
- ✓ In this changing world, who you know is almost as important as what you know.

The screenshot displays the IBM developerWorks website. At the top, there is a navigation bar with the IBM logo, a search bar, and a dropdown menu for 'Country/region'. Below the navigation bar, the main content area is titled 'My developerWorks'. On the left, there is a sidebar with a list of categories including AIX and UNIX, Information Mgmt, Lotus, Rational, Tivoli, WebSphere, Architecture, Java™ technology, Linux, Multicore acceleration, Open source, SOA and Web services, Web development, and XML. The main content area features a welcome message, a 'Build your My developerWorks profile' button, and a 'My developerWorks overview' section. Below this, there are sections for 'Blogs' and 'Forums'. The 'Blogs' section shows a search bar and a list of recent blog posts, including one by 'DataGovernor' and another by 'academicbr'. The 'Forums' section shows a search bar and a list of new topics, including one by 'Treva'. On the right side, there is a 'My developerWorks' sidebar with a welcome message, a 'Related links' section, and a 'We want to know you!' section.

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- ✓ Showcase your skills, experience, and knowledge to the IT community worldwide.
- ✓ Engage with the developerWorks community and build your visibility and recognition as a respected leader in your field.
- ✓ Mentor those who need guidance and direction.
- ✓ You are an extension of your personal brand as well as the company you work for.

developerWorks >
Tutorials and training
 Hands-on resources for real-world results

Tutorials Training Skill kits Certification Get started

Using Ajax with XQuery in Web applications
 Discover how you can get the full benefit of using XQuery technology together with Asynchronous JavaScript and XML (Ajax). Your Web application will have the back-end benefit of sophisticated XML querying as well as the client-side benefit of rich presentation without the distraction of repeated requests. [More](#)

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 Jump into one of our series and keep up with the latest technology and product functions. Find certification preparation series on the [Certification tab](#).

- Apache Geronimo and the Spring Framework
- Build Apache Geronimo applications using JavaServer Faces
- Create a wiki system using Derby
- Design SOA services with Rational Software Architect
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- Implementing a human-centric business p...
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- The Apache Geronimo machine shop sampler
- The ultimate mashup-Web services and the semantic Web
- Use Apache Geronimo and Ajax to build a directory
- ...ver made easy



ALM, & Configuration Mgmt consultant

[Tamir Gefen](#) is a My developerWorks member. Are you?



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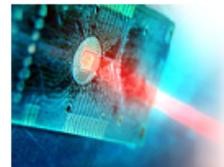
- ✓ Modules packaged up for easy download and available 24x7

Complete a tutorial to learn how to develop a Facebook application with PHP and IBM products

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Hands-on resources for real-world results

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Building an Arduino-based laser game

Learn how to create an interactive laser game called 'Duino tag', where players can play tag using devices built nearly from scratch. In Part 1 of this series, you craft basic experiments that prepare you for and are a part of 'Duino tag. [More](#)

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[XML](#)



Techniques for mashup security

Traditional security mechanisms are not sufficient for the granularity of access that mashups require for UI artifacts and data. The mashup application must be prepared to deal with cross-site request forgery, AJAX security weaknesses, and cross-site scripting. Solutions for fundamental security issues and sample code are presented. [More >](#)

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amazon web services™

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 Cloud computing provides a way to develop applications in a virtual environment, where computing capacity, bandwidth, storage, security and reliability aren't issues - you don't need to install the software on your own system. In a virtual computing environment, you can develop, deploy, and manage applications, paying only for the time and capacity you use, while scaling up or down to accommodate changing needs or business requirements.

IBM has partnered with Amazon Web Services to give you access to IBM software products in the Amazon Elastic Compute Cloud (EC2) virtual environment. This is product-level code, with all features and options enabled.

The following products are available for developer use in the Amazon EC2 environment:

- Information Management Software**
 Enterprise content and data integration
 - DB2 Express-C 9.5
 - Informix Dynamic Server Developer Edition 11.5
- Lotus software**
 Collaboration and human productivity
 - WebSphere Portal Server and Lotus Web Content Management Standard Edition



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Welcome to My developerWorks, a new way to connect with industry experts and other developers! As always, you can join one of our community **spaces**--micro-sites focused on a specific technical subject--or apply for your own; participate in a **forum** discussion; check out the latest musings from our popular **bloggers**; and share knowledge on our **wikis**. (Use the tabs above to dig deeper into these offerings.) But now you can take it to the next level with a truly personalized My developerWorks experience. Start by signing in and then building your profile (via the **Connect** tab or the link below).

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Profile for Ami Dewar

Pronunciation | Add to My colleagues

Screen name: amidewar
Location: United States

About Ami Dewar

Role(s): User experience and design, student
Skill(s): AIX, Linux, Java
Area(s) of interest: Business architecture
Goal(s): Keep up with industry news and trends

Professional expertise:
IBM (since March 2002) - Advanced Design Team lead
My role entails teaming with others to conceptualize, plan, promote, design and deliver the best user experience possible for all IBM developerWorks (IBM's resource for developers) initiatives. With social networking, web 2.0 and user-generated communities on the leading edge, its my goal to ensure that developerWorks capitalizes on these opportunities.

Biography and interests:
Education:
North Carolina State University
BS - Business Management, Marketing
BA - Public Relations

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Get your questions answered - Visit our forums and wikis

The answers are here, and are easier to find than ever before

- ✓ Find solutions to tough technical questions
- ✓ Collectively document best practices or establish a central knowledge base
- ✓ Earn a reputation as a topic expert in the developerWorks community

Find a forum thread to answer a question regarding configuring a network proxy

<p>fwaris</p> <p>Posts: 13 Registered: Apr 27, 2005 01:44:35 PM</p>	<p>How to configure a network proxy Posted: Jan 14, 2008 03:41:27 PM</p> <p>Can someone please point me to the documentation on configuring a network proxy in datapower.</p> <p>Our DP device needs to go through a network proxy to access the internet.</p>
<p>Learner.Maine</p> <p>Posts: 2 Registered: Jan 18, 2009 02:48:38 PM</p>	<p>Re: Error: DIA8561C A invalid memory block was encountered Posted: Jan 26, 2009 04:18:22 PM ↑ in response to: lfinnie's post</p> <p>Hi,</p> <p>Thanks so much. Yes I had set the EXTSHM environment as ON, which seems to be the issue. Will switch it off, and observe the db2diag.log</p>

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Common Base Event Best Practices

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Added by [smikosh](#), last edited by [kanester](#) on Aug 16, 2006 ([view change](#))
Labels: (None)

This entry covers these topics as they apply to each other: **Autonomic computing > Common Base Event, Common Event Infrastructure > Best Practices**

So what are [best practices](#)? The term best practice "generally refers to the best possible way of doing something; it is commonly used in the fields of business management, software engineering, and medicine, and increasingly in government." In the case of Autonomic computing in general and the Common Base Event and Common Event Infrastructure in specific, I'll be applying the phrase to software engineering.

The technology used for business applications continues to become more complex as businesses continue to rely more heavily on their information technology infrastructure. [Autonomic computing](#) is intended to reduce the impact of this added complexity by enabling these systems to manage themselves.

One of the critical first principles required for this common management is that each component and subsystem must represent itself in a common way. Specifically, information that describes situations that arise, as well as the state of the components at any time, must be accessible in a common language, a [lingua franca](#). The use of this common event format extends beyond management of the IT infrastructure to occurrences that are used to manage business processes.

The idea in this wiki entry is to define, and therefore share, best practices for this important, fundamental standard for systems management so that these best practices can be refined and promoted within the industry.

Oh yes. The standard I'm talking about is the Common Base Event and the Common Event Infrastructure.



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- ✓ Communicate with group members via the message board
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Create a group for your company and collaborate with one another and experts worldwide



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