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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.

The screenshot shows the IBM developerWorks website. At the top, there's a navigation bar with 'developerWorks' and links for 'Technical topics', 'Evaluation software', 'Community', and 'Events'. Below this is a featured article titled 'Use XSLT as a stylesheet for HTML' with a brief description and three small icons. Underneath are three columns: 'Popular topics' with a bar chart showing 'eclipse', 'php', 'rest', 'linux', and 'json'; 'Popular downloads' with a list of items like 'WebSphere Application Server Community Edition', 'Symphony', 'DB2 Express', etc.; and 'Community activity' with recent forum posts and group updates.

Key Statistics:
8M Users Worldwide
4M Unique Visitors per month
30,000 items in our technical library
34 industry awards
Serves 195 countries
7 local language sites

developerWorks - Because your productivity matters

Maintain your professional edge and find what you need, fast

- ✓ Get up to speed quickly on the most critical technologies, such as Java, Linux, XML, Eclipse, PHP, Ajax, and Cloud computing.
- ✓ Get answers to your questions by checking out our how-to articles, tutorials, podcasts, trial code, forums, and more.
- ✓ Customize your view of developerWorks to hone in on and follow the topics, community members, and types of resources that interest you via live feeds on your personal home page.

Popular topics

eclipse

php

rest

linux

json

Technology always moves forward – Your skills should too!

On-demand learning resources in a variety of formats to meet your needs

Product & technology tutorials:

- ✓ “How to” scenarios
- ✓ Certification preparation tutorials
- ✓ Available from novice to expert

Demos:

- ✓ Watch and learn about the latest technologies and products

Articles:

- ✓ An unparalleled depth and breadth of content on the most critical technologies

Skill kits:

- ✓ 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

developerWorks > Technical topics >

Java technology

Articles, online tutorials, and other technical resources on Java standards and techn



Reduce boilerplate and complexity with Groovy, Scala, and Clojure

Simplify programming tasks and defaults with Java.next languages. Building classes and common cases is easier with Groovy and Scala, while Clojure makes interoperability of maps, records, and classes seamless. [More >](#)

Featured content

Columns

16 Apr 2013 — [Show descriptions](#) | [Hide descriptions](#)

- [Build a text visualization and analytics application](#)
- [Solve operator overloading with Java.next languages](#)
- [Mobile for the masses: A gentle introduction to Android](#)
- [Monitor Java apps with the Health Center API, Part 2](#)
- [Monitor Java apps with the Health Center API, Part 1](#)
- [Test automation and continuous integration with STAF/STAX](#)

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Ryan Sciampacone on Java networks and security



About Ryan Sciampacone

Ryan Sciampacone, Senior Software Developer within the IBM Java Technology Center talks about his presentations at this year's JavaOne covering the implications of faster networks and Java security in the real world.

More from JavaOne:

→ [IBM@JavaOne 2012](#)

MobileDevelopment

Tools and technologies for mobile developers

Overview

Products

Learn

Connect

Welcome, mobile developers



Develop



Worklight

Build, test, and deliver your mobile apps with this advanced mobile application platform for smartphones and tablets. Using Worklight and popular open technologies, you can easily create and reuse native, web, and hybrid apps for iOS, Android, Blackberry, and Windows Phone devices.

Overview

Download

Get started

Mobile Development Lifecycle Solution

Coordinate the development and delivery of multiplatform mobile apps by distributed teams throughout the development lifecycle. The Mobile Development Lifecycle Solution integrates

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Our comprehensive portfolio of mobile solutions can help your business turn each interaction into an opportunity.

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www.ibm.com/developerworks/mobile/

MobileDevelopment

Tools and technologies for mobile developers

- Overview
- Products
- Learn
- Connect

Mobile tools, A to Z

Products, solutions, and free trials				
For this task (see legend)...	This product or solution...	Helps mobile developers to...	Try it	Get details
	Coremetrics Web Analytics	Understand customer interactions through mobile devices, in aggregate and individually		
	Emptoris Rivermine Telecom Expense Management	Manage the entire mobile and wireline telecommunications lifecycle		
	Endpoint Manager for Mobile Devices	Unify management of mobile devices and traditional endpoints	Download	Developer info
	Lotus Domino Designer	Enable IBM Lotus Notes applications for browsers on mobile devices	Download	Developer info
	Mobile Commerce	Deliver an optimized and personalized mobile experience		

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MobileDevelopment

Tools and technologies for mobile developers

Overview

Products

Learn

Connect

Build your skills with developerWorks how-tos

Featured how-to



[Mobile apps as medical devices](#)

If you're developing a health-related mobile app, it might soon be subject to U.S. FDA regulation. Learn how to adapt your development process to align with the latest guidance.

[More mobile-development articles](#) | [Subscribe](#)

DESIGN



Plan and design mobile user interfaces and apps (web, hybrid, and mobile) that deliver real business value, adapt to diverse devices, and integrate with your IT infrastructure.

[User interface design for the mobile web](#)

[Implement responsive design with jQuery Mobile and CSS3](#)

→ [Learn more about designing mobile apps](#)

DEVELOP



Develop and deploy cross-platform mobile apps that deliver rich user experiences and connect to your back-end data and systems for a growing range of mobile devices.

[The basics of developing an end-to-end mobile application using IBM Worklight and Dojo Mobile](#)

[DevOps for mobile development](#)

→ [Learn more about developing mobile apps](#)

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Engage even further with your network of expertise

→ [Learn more.](#)

MobileDevelopment

Tools and technologies for mobile developers

- Overview
- Products
- Learn
- Connect**

Connect with mobile developers and thought leaders

Looking for Worklight forums?

Our Worklight Developer Edition support community is now on Stack Overflow. There you can ask questions and find answers about getting, installing, or using Worklight.



Hear from technical experts

TECH TALK: Intro to IBM MobileFirst Analytics



24 and 25 April 2013

Learn how to use analytics to gain a deep understanding of how your customers are engaging with you on mobile channels. Then you can ensure that the mobile services and features you deliver will be adopted and used productively by your customers.

The speaker, **Brian Strauss**, is the Director of Field Engineering for the Americas at Tealeaf, an IBM Company. He has been with Tealeaf for seven years, and is an expert in how to deploy Tealeaf and put its analytical capabilities to use. Connect with Brian via [email](#) or [LinkedIn](#).

Register for the tech talk: [24 April 2013](#) (10:00 - 11:00 AM Eastern Time)

Register for the tech talk: [25 April 2013](#) (9:30 - 10:30 AM, India; 1:00 - 2:00 PM, Japan; 2:00 - 3:00 PM, Australia)

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Faster, more powerful developerWorks community



Engage even further with your network of expertise

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www.ibm.com/developerworks/mobile/connect.html

Technology Roadmaps

developerWorks > Technical topics > Business process management | WebSphere >

IBM Business Monitor V8.0.1 information roadmap

- | | | |
|---|--|---|
| ↓ Product overview | ↓ Administering monitor models | ↓ Security |
| ↓ Installing and migrating | ↓ Testing and debugging | ↓ Troubleshooting and support |
| ↓ Developing monitor models | ↓ Monitoring | ↓ Education |

This roadmap outlines the information resources available for IBM® Business Monitor, Version 8.0.1.

Product overview

These documents provide a general overview of IBM Business Monitor.

- [IBM Business Monitor Product Page](#) Improve business outcomes through enhanced visibility and actionable insights by monitoring business activity for distributed platforms and z/OS.
- [IBM Business Monitor Information Center](#) In the IBM Business Monitor Version 8.0.1 information center, you can find all of the information that you need to install, maintain, and use IBM Business Monitor.
- [Product overview](#) These documents tell you about the business environment, the development environment, and the production environment for IBM Business Monitor Version 8.0.1.
- [Release summary](#) IBM Business Monitor V8.0.1 provides various enhancements and improvements to existing product capabilities. See the complete list.

[↑ Back to top](#)

Installing and migrating

Gain deeper understanding and skills – Attend a developerWorks Live! technical briefing

Briefings to shorten your learning curve and improve the results of your most difficult projects

- ✓ **Free face-to-face seminars & hands-on learning sessions at a location near you**
- ✓ **Online interactive sessions with a live speaker**
- ✓ **Multiple different formats available, to accommodate the time you have:
Half-day, full-day, and multi-day sessions**



Upcoming developerWorks Live! Sessions at IBM Zurich

Attend a developerWorks Live! technical briefing

Kurs	Datum
Hadoop Fundamentals	14. May 2013
WebSphere Application Server (v8) Introduction	23. May 2013



http://www.ibm.com/events/idr/idrevents/rss.action?sel_city=CH%7CZurich%7CZurich

Evaluate products or technologies - Make informed software choices

Everything you need to get up and running quickly

- ✓ Downloads, sandboxes, and cloud
- ✓ Standard trial code downloads
- ✓ Online/hosted sandboxes
- ✓ Beta code
- ✓ Updates & fixes
- ✓ Plus additional services to help you evaluate – demos, tutorials, forums, etc.

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Evaluation software

Downloads, sandboxes, and cloud

Information Management Rational WebSphere
Lotus Tivoli More IBM products

Try out IBM products before you buy them. Download a trial version, work with product in an online, sandbox environment, or access it in the cloud. Check out our [FAQs](#) for a description of each option. Don't see the product you're looking for? See the [complete list of IBM product trials](#).

Product name	Download	Sandbox	Cloud
Coognos Business Intelligence	✓	✓	✓
Coognos Express	✓	✓	
Data Studio	✓		
DB2@ for Linux@ UNIX@, and Windows@	✓	✓	✓
DB2 Everyplace Enterprise Edition	✓		

Popular downloads

- Lotus Symphony
- DB2 Express-C
- Lotus Domino
- WebSphere Application Server
- WebSphere MQ
- DB2
- WebSphere Application Server for Developers

Learning resources

- Articles and tutorials
- Briefings
- Demos
- Forums
- Knowledge paths
- Products A to Z
- Video and audio

www.ibm.com/developerworks/downloads/

Get Involved - Participate in dW Communities

My Blogs

Public Blogs

My Updates

Public Blog Entries 🔍

Latest Blog Entries

- Blogs Listing
- My Likes/Votes

Tags

Find a Tag



- agile
- aix
- analytics
- application
- blog
- business
- cloud
- cloud_computing
- conference
- data
- db2
- desenvolvimento
- developerworks
- development
- education
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- java
- jazz
- linux
- lotus
- management
- marketing
- maximo
- mobile
- notes
- opensource
- performance
- portal
- power
- rational
- rational-c
- lient-support
- security
- soa

Blogs

dW Blogs

Request a blog

New Entry

Display:  

1 - 25 of 604

Page 1 | 2 | 3 | 4 | 5 ... 25

Previous | Next

Sort by: Date | Title | Likes/Votes | Comments | Visits

The new option: -qmaxerr Community Blog
ChristineLi | Today 8:50 AM | 50 Visits

If an array is contiguous? Community Blog
Ka_Lin | Today 8:46 AM | 34 Visits

Heading to IDUG?
hollyann | Today 3:02 AM | 141 Visits

Happy Earth Day! Tucson Selected for IBM Smarter Cities Challenge
TonyPearson | Today 2:12 AM | 170 Visits




Adding a custom service to the sandbox Community Blog
RamVenmam | Today 1:42 AM | 48 Visits




Roll call: 7 questions for Arthur Ryman Community Blog
robinw | Today 12:59 AM | Tags: data rational oslc featured owl linked | 46 Visits

New to IBM InfoSphere DataStage Server ? First step... Download product!
Ale Parra | Today 12:06 AM | Tags: imsupport datastage download infosphere | 193 Visits


Featured Blog Entries

 **Who's Heads are in t...**
Blog: Executive Cor...
Woj
 3  0

 **Designing for mobile...**
Blog: The Mobile Fr...
Christian Karasiewicz
 3  0

 **IBM Automation Contr...**
Blog: System z Mana...
WiltrudRebmann
 2  0

 **Customização de Iten...**
Blog: O Mundo depen...
Benayon
 2  0

 **Simplify your admini...**
Blog: Jazz for Serv...
gauravgupta27
 3  0

www.ibm.com/developerworks/community/

Cloud Computing Central



Overview

- Recent Updates
- Members
- Forums
- Blog
- Wiki
- Bookmarks
- Feeds
- Activities
- Files

Tags

- Find a Tag
- #ibmcloud
 - amazon_ec2
 - amazon_web_services
 - available
 - aws
 - bpaas
 - certification
 - cloud
 - cloud_computing
 - cloud-computing
 - cloud-serv
 - ices
 - cloudcomputing
 - clouds

✔ We have upgraded the developerWorks community applications to the latest version of IBM Connections. [Get a glimpse of the improvements!](#)

Community Description

Join this group of individuals interested and involved in the "next big thing" - cloud computing. We'll be discussing and sharing what we're doing around cloud computing, saas, and related topics. Feel free to invite others to join! The more we share, the faster the clouds will grow.



Tags: #ibmcloud, amazon_ec2, amazon_web_services, aws, cloud, cloud_computing, developerworks, ec2, iaas, paas, saas, smarter_planet, software_as_a_service

Forums

[Start a Topic](#)

Study guide for Passing the IBM Certified Solution Advisor - Cloud Computing Architecture V1

Latest post by AnuragGoswami | Apr 4 | 10 replies

Study Guide for passing Test 000-281: Foundations of IBM Cloud Computing Architecture V2

Latest post by AnuragGoswami | Apr 3 | No replies

IBM and OpenStack together at first ever "Open Cloud Summit"

Latest post by DRussell4881 | Feb 11 | No replies

Accessing cloud for academic use

Latest post by SanjivK.Bhatia | Jan 31 | No replies

which Certification Tarck is best for me,I am Pursuing Engineering in Computer

Important Bookmarks

30 day trial available - New SaaS-based offering for business process management - IBM Blueworks Live

Article from internet.com - IBM Offers Cloud-Based Resources for Developing and Testing Database Applications

Check out the The IBM Cloud Daily - for daily news about IBM and Cloud

Cloud computing for developers virtual events group

Cloud computing service models, Part 1: Infrastructure as a service

Cloud computing zone from developerWorks
Creating a Cloud Computing Ecosystem: How IBM Helps ISVs and Developers Deploy SaaS Applications on the Cloud

Getting started with the IBM Cloud at an Innovation Center near you: Free 1/2 workshop on building cloud infrastructures and devloing cloud-based apps

IBM Enables Communications Service Providers To Capture New Cloud Services Market Opportunity

IBM introduces new resources to help IBM Business Partners take advantage of the cloud computing opportunity

Interviews with IBM Business Partners working in the Cloud -- from Impact 2011 conference
JSKV7000

Jeskell Systems and IBM CloudBurst

Join us for a technical Cloud workshop in a city near you this month

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www.ibm.com/developerworks/community/

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

The screenshot shows a forum thread. The user [fwaris](#) has 13 posts and registered on Apr 27, 2005 at 01:44:35 PM. The question is titled "How to configure a network proxy" and was posted on Jan 14, 2008 at 03:41:27 PM. The question text is: "Can someone please point me to the documentation on configuring a network proxy in datapower. Our DP device needs to go through a network proxy to access the internet." The answer is from user [Learner,Maine](#), who has 2 posts and registered on Jan 18, 2009 at 02:48:38 PM. The answer title is "Re: Error: DIA8561C A invalid memory block was encountered" and was posted on Jan 26, 2009 at 04:18:22 PM. The answer text is: "Hi, 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".

The screenshot shows a wiki page titled "Common Base Event Best Practices". The page has tabs for Overview, Spaces, Forums, Blogs, Podcasts, Wikis, and Exchange. The page content includes: "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.

Topic suggestions for authors

Editors' content wish list

Wondering whether to write an article on jQuery, cloud computing, or predictive analytics? Or maybe your expertise lies in one of the many IBM products and solutions for developers. Before you start to write, get the inside track on which topics the developerWorks editors are eager to publish in the coming months. Click a content area below, and browse the suggestions from our editors to see where your technical know-how will best serve developerWorks readers.

Match your expertise to these hot topics
Click a content area to reveal each wish list. Then submit your content proposal , or contact the editor with any questions.
Agile transformation
AIX and UNIX
Big data
Business analytics
Business process management
Cloud computing
Commerce
IBM i
Industries
Information management
Java technology
Linux
Lotus
Mobile development
Open source
Rational
Security
Service management
SOA and web services
Web development

Help for authors

- Submitting your content proposal
- Using developerWorks templates
- Ready, set, publish!
- Author recognition
- More author resources
- About developerWorks



www.ibm.com/developerworks/wishlist/

Developing a big data application for data exploration and discovery

Tips, techniques, and practical guidelines to help you get started

[Seeling Cheung](#) (cheungs@us.ibm.com), Enablement Architect, IBM
[Luciano Resende](#), Advisory Software Engineer, IBM
[Scott Lindner](#) (slindner@us.ibm.com), Senior Solution Architect, IBM
[Cynthia M. Saracco](#) (saracco@us.ibm.com), Senior Software Engineer, IBM

Date: 23 Apr 2013

Level: Intermediate

PDF: [A4 and Letter](#) (819 KB | 23 pages) [Get Adobe® Reader®](#)

Summary: Exploring big data and traditional enterprise data is a common requirement of many organizations. In this article, we outline an approach and guidelines for indexing big data managed by a Hadoop-based platform for use with a data discovery solution.

Activity: 201 views

Comments: 0 ([View](#) | [Add comment](#))

Avoid the risks of cloud abuse

Reduce the risks of malicious cloud attacks perpetrated through social media avenues

[Judith M. Myerson](#), Systems Engineer and Architect

Summary: Cloud abuse is among the top threats experts expect to see in 2013; one avenue that abuse can take is when cybercriminals use social media vehicles to abuse cloud environments — such as SaaS-oriented user access through accepted BYOD channels or PaaS-oriented access via Twitter interchanges used by a development team to communicate cloud administration updates. As this author has discussed before, many organizations employ a reactive response when the breach occurs instead of taking more prudent proactive steps. Join the author as she provides a roadmap for abuse mitigation and illustrates what proactive actions can be taken when abuse occurs.


Date: 22 Apr 2013

Level: Introductory

PDF: [A4 and Letter](#) (193 KB | 10 pages) [Get Adobe® Reader®](#)

Activity: 246 views

Comments: 0 ([View](#) | [Add comment](#))

 Average rating (0 vote)

[Rate this article](#)

HTML5 2D game development: Collision detection and sprite animations

Detecting and reacting to collisions; making sprites explode

[David Geary](#), Author and speaker, Clarity Training, Inc.

Summary: In this [series](#), HTML5 maven David Geary shows you how to implement an HTML5 2D video game one step at a time. In this installment, learn how Snail Bait implements collision detection and explosions.

Date: 16 Apr 2013

Level: Intermediate

PDF: [A4 and Letter](#) (1070 KB | 21 pages) [Get Adobe® Reader®](#)

Activity: 3684 views

Comments: 0 ([View](#) | [Add comment](#))

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TheOnDemandDemoGuy's Channel

youtube.com/user/developerworks