

Development on the Cloud, for the Cloud, by the Crowd



Anders Ek
Senior Tech Lead
IBM DevOps Services



Mattias Mohlin
Senior Software Architect
IBM DevOps Services

Bluemix

- A platform-as-a-service solution for deploying web and mobile apps
- Based on CloudFoundry
- Wide range of runtimes and services

IBM® Bluemix™ is now open!

A platform where developers can act like kids in a sandbox—
except this box is enterprise-grade.

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Runtimes

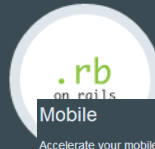
Code in the language that works for you.



Liberty for Java™
IBM Created



Node.js
IBM Created



Mobile
Accelerate your mobile app development



InternetOfThings
IBM Created



MAS
IBM Created



Mobile Data
IBM Created



MobileQualityAssu...
IBM Created



Push
IBM Created

Twilio
3rd Party

Data Management

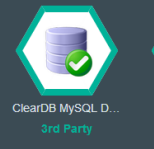
Manage full lifecycle needs of your data



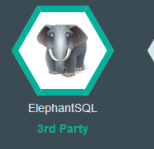
Cloudant JSONDB
IBM Created



SQLDB
IBM Created



ClearDB MySQL D...
3rd Party



ElephantSQL
3rd Party



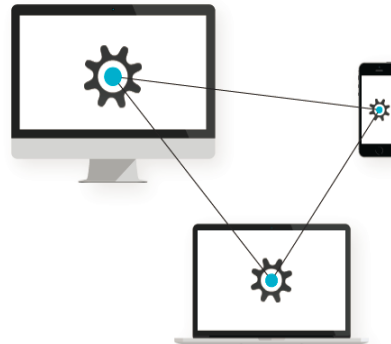
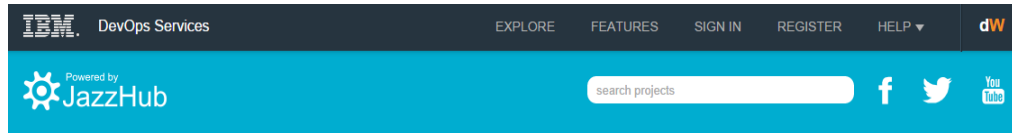
mongodb
Community



mysql
Community

DevOps Services

- Cloud-based software development tools
- SCM (Git or Jazz)
- web editors (Eclipse Orion)
- work tracking and planning
- build and deploy



From development to deployment...

and everything in between.

IBM DevOps Services is a place where you can collaborate with others to develop, track, plan and deploy software.

Share your genius in free public projects, or keep it confidential with private projects. Get started for free!

[Register for Free](#)

We bring the tools. You bring the code.

It's all about collaboration!

- **Share your code with others**
 - reuse code and share solutions
 - manage versions
 - make others aware of what you are doing
- **Access your files from everywhere**
 - Develop using Eclipse (or another IDE), or use web-based development tools
- **Track and plan the development**
 - Replace personal TODO-lists with work items
 - Everyone becomes aware of the plan (what is done, and what comes next)
- **Share your results**
 - As soon as changes are delivered a new deployed version of the application is available
 - Your colleagues and customers can immediately access the deployed application

Demo time!

What we did...

- **We forked code for an existing web application**
- **We inspected and modified the application using a web IDE**
- **We deployed the application on BlueMix**
- **We created work items to track the addition of a database to the application**
- **We added a database service to our application in BlueMix**
- **We set-up an Eclipse-based development environment using EGit**
- **We wrote code necessary for using the new database**
- **We tested locally and then committed the changes**
- **We auto-deployed to BlueMix and tested there as well**
- **We marked the work item as completed**

Summary

- **Bluemix is a platform-as-a-service solution that supports a multitude of runtimes and services using the open source CloudFoundry framework**
- **It includes development tools (DevOps Services) as cloud services:**
 - SCM tooling (Git or Jazz)
 - Work tracking and planning
 - Code editing
 - Build and deployment tools
- **Supports popular IDEs and command-line tools for local development**

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**Winner found 30 of
September at 15.00**

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Try the Code Rally Game

And WIN a Raspberry Pi mini computer

Code Rally is a free, open source racing game with a twist - instead of racing around a track using a controller you write an AI (Artificial Intelligence) to race for you!

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