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



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# BlueMix

- A cloud platform for deploying web and mobile apps
- Compose applications using a wide range of runtimes and services
- Currently available as free open beta

**Codename: BlueMix is now open.**

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

[Sign up for the free beta](#)

### Runtimes

Code in the language that works for you.

Liberty for Java™	Node.js	Ruby on Rails	Ruby Sinatra	Bring Your Own
IBM Created	IBM Created	Community	Community	Community

### Mobile

Accelerate your mobile app development

InternetOfThings	MAS	Mobile Data	MobileQualityAssu...	Push	Twilio
IBM Created	IBM Created	IBM Created	IBM Created	IBM Created	3rd Party

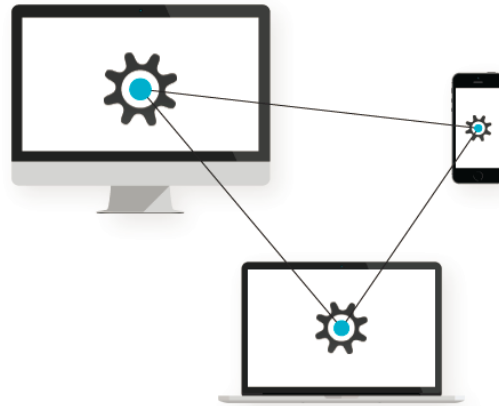
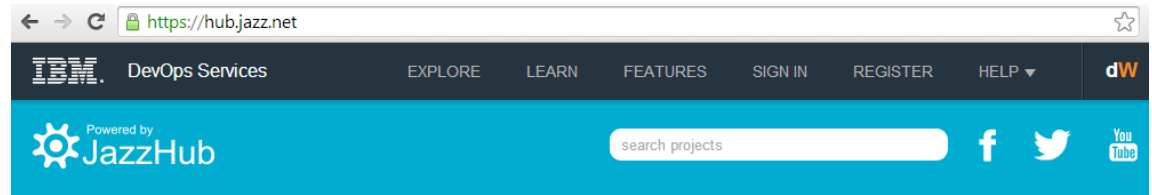
### Data Management

Manage full lifecycle needs of your data

Cloudant JSONDB	SQLDB	ClearDB MySQL D...	ElephantSQL	mongodb	mysql
IBM Created	IBM Created	3rd Party	3rd Party	Community	Community

# DevOps Services (a.k.a. JazzHub)

- 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 Now](#)

# It's all about collaboration!

- **Share your work 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)
- **Automatic deployment to BlueMix**
  - 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

# What we did...

- **We forked code for an existing web application**
- **We deployed the application on BlueMix**
- **We created a work item 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 cloud platform which supports a multitude of runtimes and services**
- **Unlike other cloud platforms it also provides development tools (DevOps Services) as cloud services:**
  - **SCM tooling (Git or Jazz)**
  - **Work tracking and planning**
  - **Code editing**
  - **Build and deployment tools**
- **Popular IDEs (and command-line) can also be used for the development**
- **BlueMix is currently in an open beta phase - get your account and start playing now!**

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