goto; conference

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

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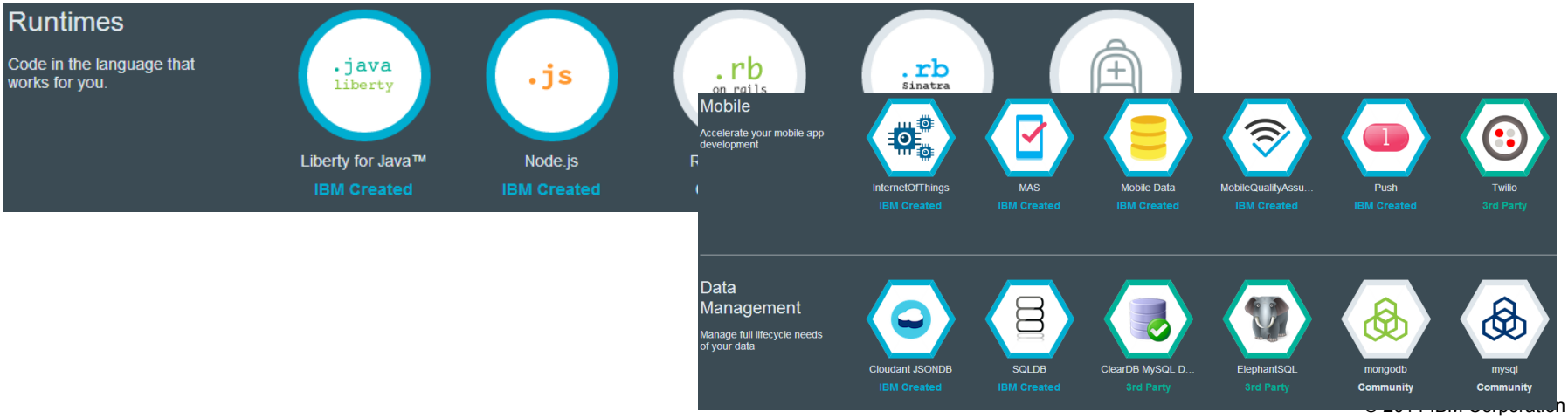
Bluemix

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



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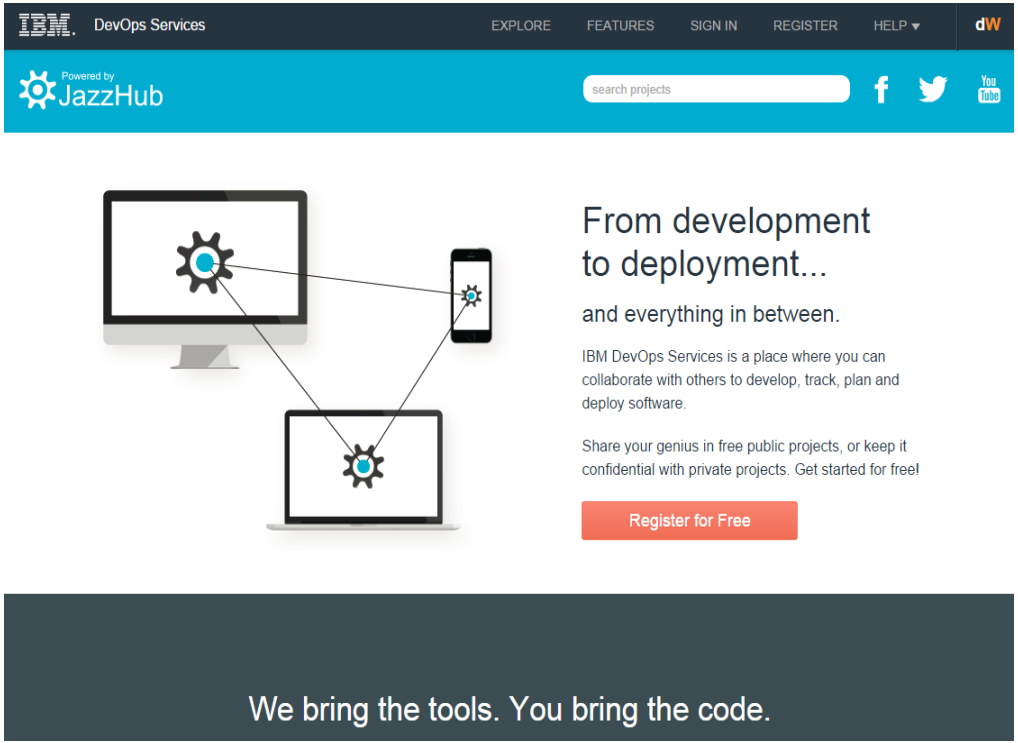
DevOps Services

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



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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 collegues and customers can immediately access the deployed application

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Demo time!

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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

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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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