Module 4: DevOps and Bluemix
Overview of DevOps services and app development
IBM Bluemix DevOps services
An open, integrated rapid development experience that scales

• A Premier DevOps service for IBM Cloud platform
  ▪ Promotes incremental frictionless adoption of DevOps services for Bluemix

• An integrated developer experience
  ▪ End-to-end DevOps solution in the cloud for developing applications
  ▪ Integrated task tracking, agile planning, source control with autodeploy
  ▪ Complementary mobile quality and application performance monitoring
  ▪ Use your favorite tools or work from the web IDE
  ▪ Free public and fee-based private projects

• Scalable, secure, enterprise-ready
  ▪ Runs on SoftLayer infrastructure
DevOps Services available today

**Easy Access**
Get started for free. With Git hosting and the built-in Web IDE, it's zero to code in seconds.

**Code Now**
Use the built-in Web IDE, Eclipse, Visual Studio, or your tool of choice.

**Build & Deploy**
Automatically build and deploy your application to IBM's cloud platform, Bluemix.

**Team Collaboration**
Share your work and collaborate through expert tools for Agile Development.
Get productive with Bluemix DevOps services in minutes

- **Register at**  [www.jazzhub.com](http://www.jazzhub.com)

- **Answer a few questions**
  - Which Source Code Management (SCM) - Git, GitHub, Jazz SCM?
  - Do you want your project to be public or private?
  - Do you want to practice agile software development?
  - Do you want to deploy on IBM Bluemix?

- **Start coding**
Collaborate seamlessly on public or private projects

- Easily invite team members
- Access from anywhere
- Built for collaboration from the ground up
- Choose who sees your project and how you engage with broader communities

Invite other people to your project
Enter a comma separated list of email addresses
Agile development in the cloud is easy with Bluemix DevOps services

- Built-in agile process support
- Work items to track and plan project activities
- Agile tools for the product backlog, releases, and sprints
- Dashboard charts for project status
Choose how you code with Bluemix DevOps services

• Browser-based integrated development environment

• Full support for local development with Eclipse or Visual Studio

• Built-in support for Jazz Source Control

• Hosted Git repository

• Got GitHub? No problem
Live Sync for Node.js

- Enables Node.JS code changes to be pushed live without the need to redeploy the application
- Available in IBM Bluemix DevOps services as the Live Edit feature (Chrome browser only for debug)
- Available on Microsoft Windows and Applied OS X platforms from the command line using the Live Sync CLI
Leverage the power of social coding

With public projects, it’s easy to learn and share work with a broader audience.

By default, projects are public. Select this to make it private so that you can share with project members only. Learn more
Summary

• IBM Bluemix DevOps Services:
  ▪ Provides an online set of tooling to plan, manage, develop, and deploy your application
  ▪ Can use the build in code repository or choose to use Git Hub
  ▪ Allows developers to collaborate on a project
  ▪ Allows developers to work online or locally on the same project