

CODE2CLOUD: AUTOMATING THE WHOLE SOFTWARE DEV/DEPLOY CYCLE

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Tasktop

Audience Participation Time!

Who has used:

- Hudson
- A task system (e.g. JIRA or Bugzilla)
- Git (in particular, setting up a Git server)
- Wiki
- Maven artifact repository
- A production environment :)

Audience Participation Time!

Who has enjoyed installing and maintaining these?



Code2Cloud



Code2Cloud

Click-button creation of:

- ★ Hudson build server
- ★ Git repository
- ★ Task repository
- ★ Cloud Foundry Deployment service
- ★ Wiki
- ★ Maven Artifact Repository

**Wait - this is a DevOps track.
How does this fit in?**

Code2Cloud and DevOps

- ◆ Integration of Code2Cloud components
- ◆ Automating setup which would normally be manual (Hudson, Git, Tasks, Maven, Wiki, Cloud Foundry deploy)
- ◆ Integration and automation are your friends
- ◆ Support for continuous deployment

Continuous Deployment



Fundamental Feature: Integration

- ❑ Learned this with Eclipse Mylyn/Tasktop Dev
- ❑ Learned this again with Tasktop Sync
- ❑ When you have all of the pieces in the same place like this, you can do amazing things with integration and automation
- ❑ Currently support Hudson, Jenkins is also planned
- ❑ Deployment supports Cloud Foundry right now, but want to support more targets

Fundamental Feature: Open Source

- ✧ Will be open source, either EPL or APL
- ✧ Will also follow an open development model, like Eclipse Mylyn
- ✧ Want to integrate a new deployment target? Great! We want you to!
 - ✧ Working with partners to get them integrated with Code2Cloud
- ✧ On-premises install

On-Premises Install

- Very important for many companies to control the whole stack
- Download Code2Cloud and modify it to suit your needs
 - Integrate with some custom internal deployment or build system
- Code2Cloud has REST API endpoints
 - You can use these to get Code2Cloud to do whatever you need it to do

Demo Time

Architecture



Benefits

- Simplifies cloud development by providing one-stop-shop
- Enables real-time linking between running app and development process
- Potential for other breakthrough innovation through hosting all of a project's artifacts in the cloud
- Focuses development on delivering app/business value, not constant tweaking of ALM/deployment infrastructure

Time to coin a new term

- PaaS is taken, IaaS is taken, SaaS is taken
- What does Code2Cloud offer?
 - Builds
 - Application Development
 - Deployment
- New acronym: BADDaaS
 - (Builds, Application Development, & Deployment as a Service)
- Code2Cloud is BADDaaS ;)

Q & A



tasktop.com
eclipse.org/mylyn



Tasktop
Dev



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Sync