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What's new with tooling for Spring, Grails and the Cloud

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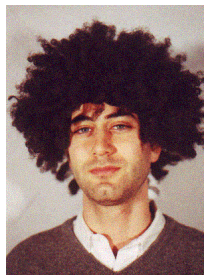
Speaker Introduction



- Andy Clement
 - Staff Engineer, R&D
 - Lead, language lab



- Martin Lippert
 - Staff Engineer, R&D
 - Lead, development tools



- Andrew Eisenberg
 - Senior Member of Technical Staff, R&D
 - Lead, Groovy-Eclipse

Disclaimer

- This session may contain product features that are currently under development.
- This session/overview of the new technology represents no commitment from SpringSource/VMware to deliver these features in any generally available product.
- Features are subject to change, and must not be included in contracts, purchase orders, or sales agreements of any kind.
- Technical feasibility and market demand will affect final delivery.
- Pricing and packaging for any new technologies or features discussed or presented have not been determined

Agenda

- Project Infrastructure
 - Open Source Tooling
 - Multiple distributions
- Spring Tools
- Cloud Foundry Tools
- Groovy/Grails/Gradle Tools
- Summary, Q&A

Modularized projects

- Re-modularized SpringSource Tool Suite:
 - **Spring tooling (Spring IDE)**
 - **Grails tooling (Grails IDE)**
 - **vFabric tc Server Integration for Eclipse**
 - **Gradle Integration for Eclipse**
 - **Cloud Foundry Integration for Eclipse**
- Smaller components, smaller projects, installable and usable individually

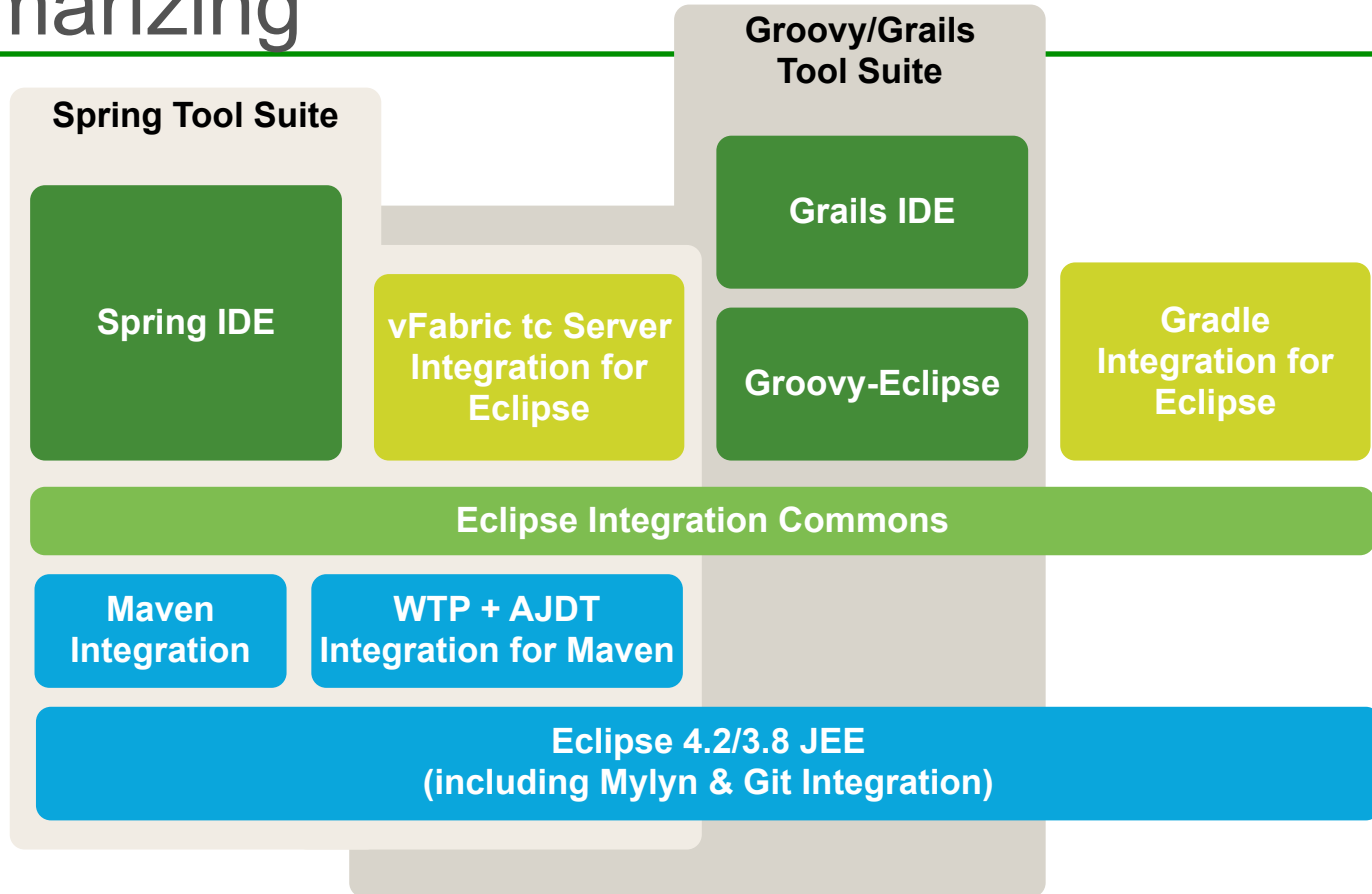
Open Source

- All those projects are Open Source now:
 - EPL license
 - Hosted at GitHub: <http://github.com/SpringSource>
- Fully open and transparent now
- Contributions welcome 😊

Distributions

- We now ship two distributions with each release:
 - **Spring Tool Suite (STS):**
<http://www.springsource.org/sts>
 - **Groovy/Grails Tool Suite (GGTS):**
<http://grails.org/products/ggts>
- A ready to use combination of:
 - Eclipse JEE
 - Newly open-sourced projects

Summarizing



Which eclipse distro?

- STS/GGTS distributions ship on:
 - Eclipse Juno 4.2
 - Eclipse Juno 3.8
- Update site available for:
 - Eclipse Juno 4.2
 - Eclipse Juno 3.8
 - Eclipse Indigo 3.7

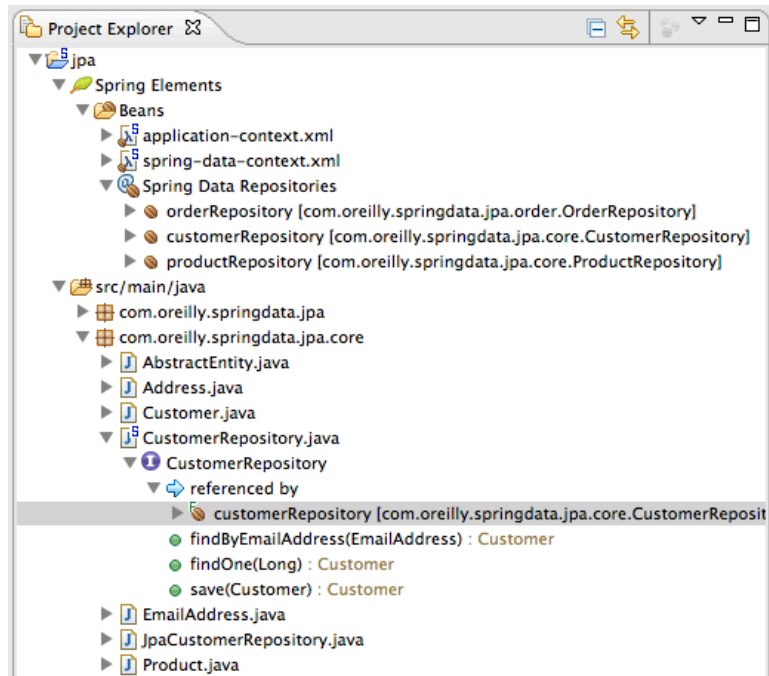
Spring Tool Suite

- Eclipse JEE
- Spring IDE
- vFabric tc Server Integration for Eclipse
- Maven Integration for Eclipse
- Git Integration for Eclipse



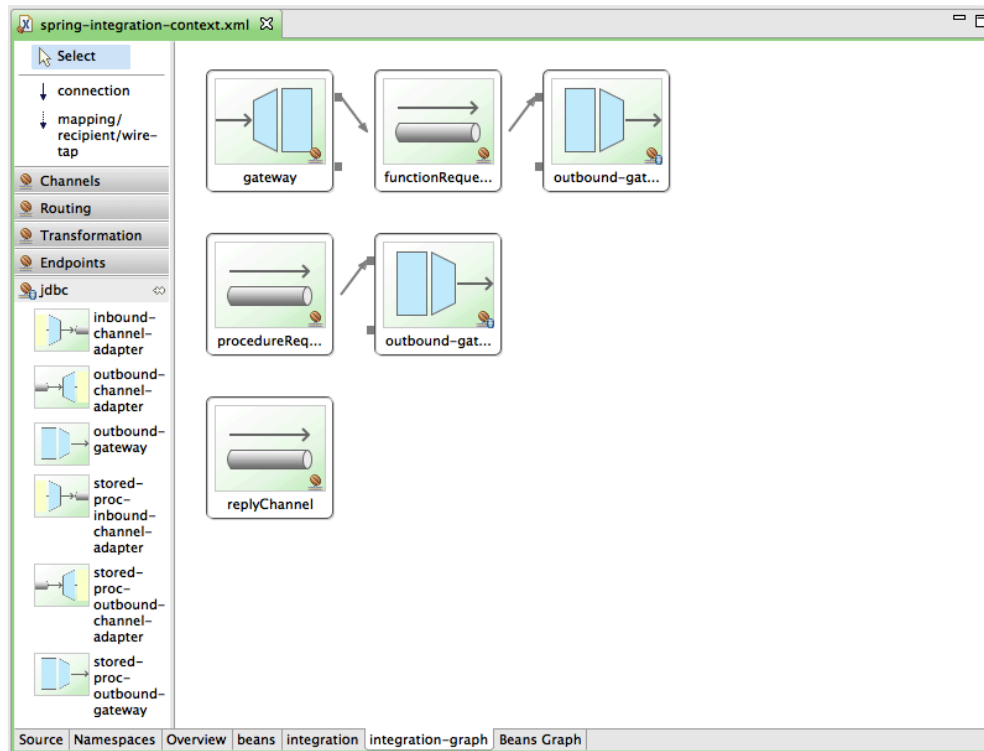
What's New – 1/5

- Support for Spring Data
 - content-assist
 - auto-completion
 - validation



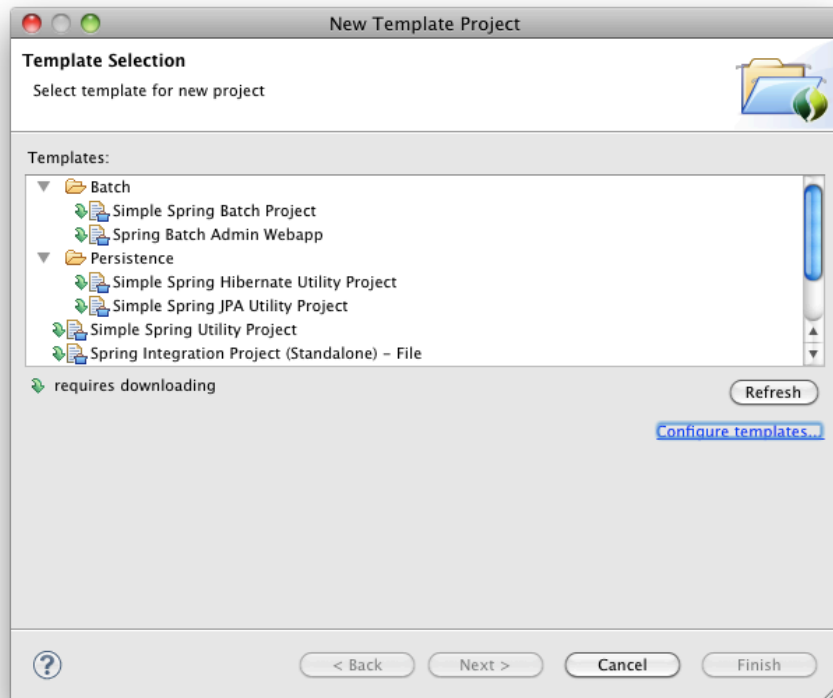
What's New – 2/5

- Spring Integration support updated for 2.1



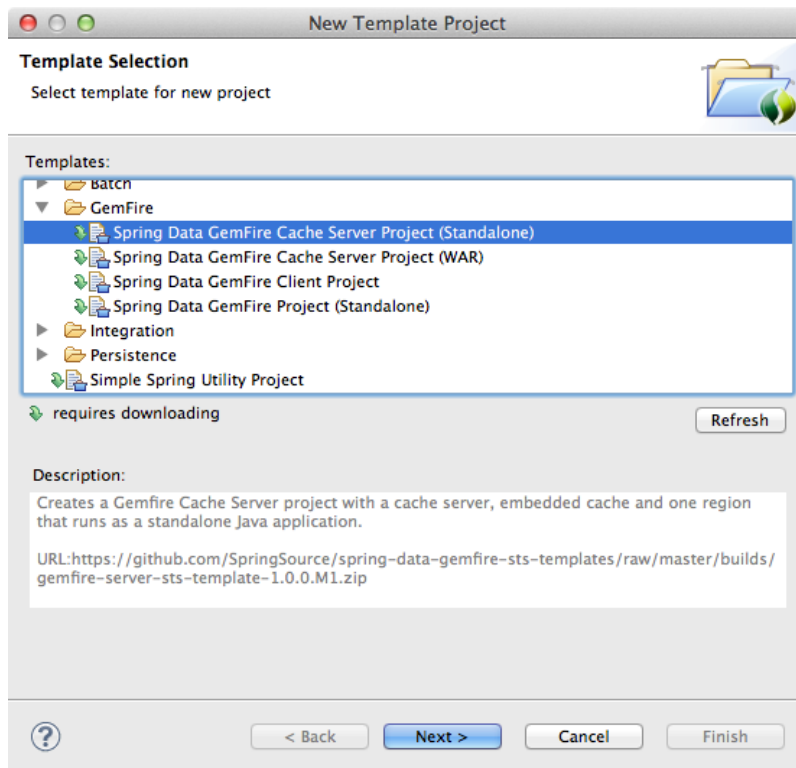
What's New – 3/5

- Improved template projects story
 - More template projects
 - Categories
 - Improved authoring experience (using self-hosting mode)



What's New – 4/5

- New template projects for:
 - Spring Data Gemfire



What's New – 5/5

- Example projects on the Dashboard
 - Get famous sample projects in your workspace – just one click away

▼ Example Projects

These projects show how Spring features are used. You can import these projects into your workspace by clicking on them. Note that if you try to import a project which needs Maven and you do not have Maven, it will download but not build.

[Edit list of example projects](#)

📌 [greenhouse](https://github.com/SpringSource/greenhouse) <https://github.com/SpringSource/greenhouse>

📌 [spring-mvc-showcase](https://github.com/SpringSource/spring-mvc-showcase) <https://github.com/SpringSource/spring-mvc-showcase>

Spring Tools: Demo

And introducing...

- **The Live Beans Graph**

Live Beans Graph: Demo

Cloud Foundry Integration for Eclipse

- Introduced full debugging support for Micro Cloud Foundry last Spring One
- What's New?
 - Improved performance
 - Added support for tunneling to services
 - Added support for standalone applications
 - Added support for Organizations and Spaces

GGTS – a new distribution

- The **Groovy/Grails Tool Suite (GGTS)**
 - One download for a Groovy/Grails development environment
 - Can install other components from the dashboard
 - Spring IDE
 - m2eclipse
- Eclipse 3.8 or 4.2 versions available



GGTS 3.1.0 Contents

- Groovy 1.8, Grails 2.1.1
- GGTS 3.1.0 is compatible with Grails 2.2
 - Grab your own copy of Grails 2.2
 - Grab the Groovy 2.0 compiler from the dashboard
- No m2e (maven) or gradle support included right now
 - Grab them from the dashboard
 - Let us know if you want them in the GGTS distribution!

Groovy Eclipse

- Moved to github
 - <https://github.com/groovy/groovy-eclipse>
- Groovy 2.0 support
 - Type checking and static compilation
- Compiler level checking
- Other enhancements
 - Searching for synthetic properties
 - Quick fixes and quick assists
 - Named arguments content assist for constructors

Groovy: Demo

Grails-IDE

- Github: <https://github.com/SpringSource/grails-ide>
- Easier to get started
 - Import wizard
- Improvements you would expect in IDE support
 - Content assist (Grails 2.0 DSL awareness)
 - Refactoring
 - Search
- Mavenized Grails projects

Grails-IDE: Demo

Eclipse integration for Gradle

- Github: <https://github.com/SpringSource/eclipse-integration-gradle>
- Tracking Gradle releases (at 1.2 right now)
 - Exploiting new enhancements in their tools API
- Improved import options
- Editing support
- Task view
- ‘Containerless’ mode

Eclipse integration for Gradle: Demo

Schedule

- Releases shortly after every Eclipse release
 - 3.2.0: March 2013 (after Eclipse Juno SR2)
 - 3.3.0: July 2013 (after Eclipse Kepler)
 - 3.4.0: October 2013 (after Kepler SR1)
- Continuous Delivery in between
 - 2-3 milestones between releases
 - Going public roughly every 6 weeks
 - Nightly builds always available

Contributing

- Open Source
 - Instructions on each project page covering:
 - How to set up a development environment
 - How to run the tests
 - The contribution process (Jira, CLA, pull request)
- Or contribute by just joining the forum discussion, or creating and voting on jiras

What's next?

- STS/GGTS 3.2.0:
 - M1: Dec 2012
 - M2: Feb 2013
 - Release: March 2013 (after Eclipse Juno SR2)

What's next?

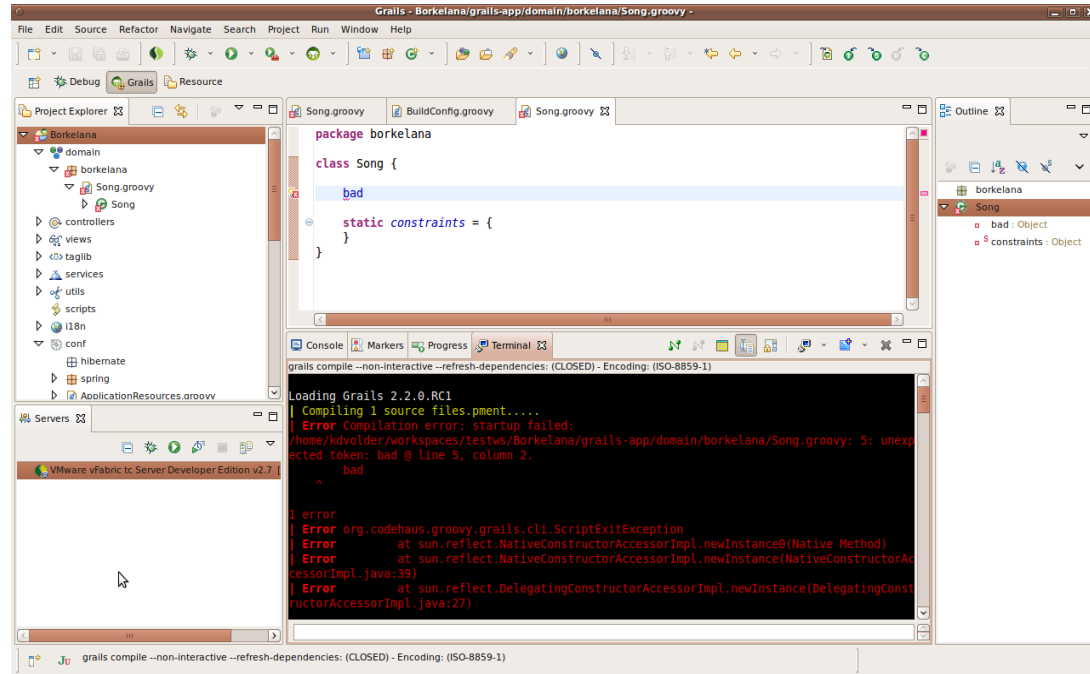
- Spring
 - Live Beans Graph improvements
 - Improved annotation-based config support
 - Spring Integration 2.2 support
 - Improved performance
 - Lot of small improvements all over the place

What's next?

- Cloud Foundry
 - Improved support for Organizations and Spaces
 - Improved tool integration for service tunneling (bring your own database tool)
 - More to come...

What's next?

- Groovy
 - Formatting improvements
- Grails
 - Faster command execution
 - Integrated console/shell



What's next?

- Gradle
 - Better management of cross project dependencies

What's next?

- Web tooling: HTML/JavaScript
 - A different approach with our ‘Scripted’ code editor
 - Web based editor
 - Lightweight and fast, but with full editing support
 - Content assist, navigation, project context awareness

<https://github.com/scripted-editor/scripted>

Summary

- Project Infrastructure
 - Open Source Tooling
 - Multiple distributions
- Spring Tools
- Cloud Foundry Tools
- Groovy/Grails/Gradle Tools

Any questions?

Forum: <http://forum.springsource.org/forumdisplay.php?32-SpringSource-Tool-Suite>

Issue tracker: <https://issuetracker.springsource.com/browse/STS>

Download STS

<http://www.springsource.org/sts>

Download GGTS

<http://grails.org/products/ggts>

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The End
