

springone 2GX CHICAGO 2011

Spring Tooling Update New & Noteworthy

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Speaker Introduction



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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

- What's New?
 - Java 7
 - Spring 3.1 tooling
 - Groovy + Grails (+ Gradle)
- Cloud Foundry™
 - Working with Cloud Foundry™ from within STS
- Summary
- Q&A

Updates on the way

- STS is updated to:
 - Eclipse 3.7.1 (latest Eclipse Indigo release)
 - Spring 3.1 RC1
 - Includes IDE support for Java7
 - Maven 3.0.3 + m2e 1.0
 - Spring Roo 1.1.5 (with support for 1.2.0.M1)
 - vFabric tc Server 2.6.1
- Includes EGit now

Java 7

STS 2.8.0 brings you language tooling for the latest Java7 updates, including

Diamond (generic instance creation)

Multi-catch

Try-with-resource

Strings in switch

Polymorphic methods

Demo

Java 7 in STS

Spring 3.1 Tooling

STS 2.8.0 introduces support for
Profiles
c-Namespace

...just the first steps, more to come...

Demo

Spring 3.1 in STS

Groovy + Grails + Gradle

Supported versions

Groovy 1.8.3/1.7.10

Grails 2.0.0/1.3.7

Groovy: the details

- Still focused on edit/save/compile/test experience
 - Highlighting/search/navigation/inferencing
 - Refactoring
 - Code assist
 - More generics aware
 - Easily extensible via DSLD
 - Improved script support
 - Improved debugging support
- Groovy-Eclipse compiler usable from maven
 - Same compiler in your IDE as in your build

Grails: the details

- More wizards, contextually aware
- DSLD support for lots of grails DSLs
 - constraints/detached criteria queries/etc
- Multi-artifact refactoring
- More GSP support
 - navigation, search, code assist, tag awareness
- Configurable grails project explorer

Demo

Groovy & Grails

Gradle

- Introduced in STS 2.7.0
- Based on new Gradle tools API
 - designed with Gradle team
- Three key parts
 - import wizard
 - dependency management
 - task execution
- To follow
 - editing support

Demo

Gradle

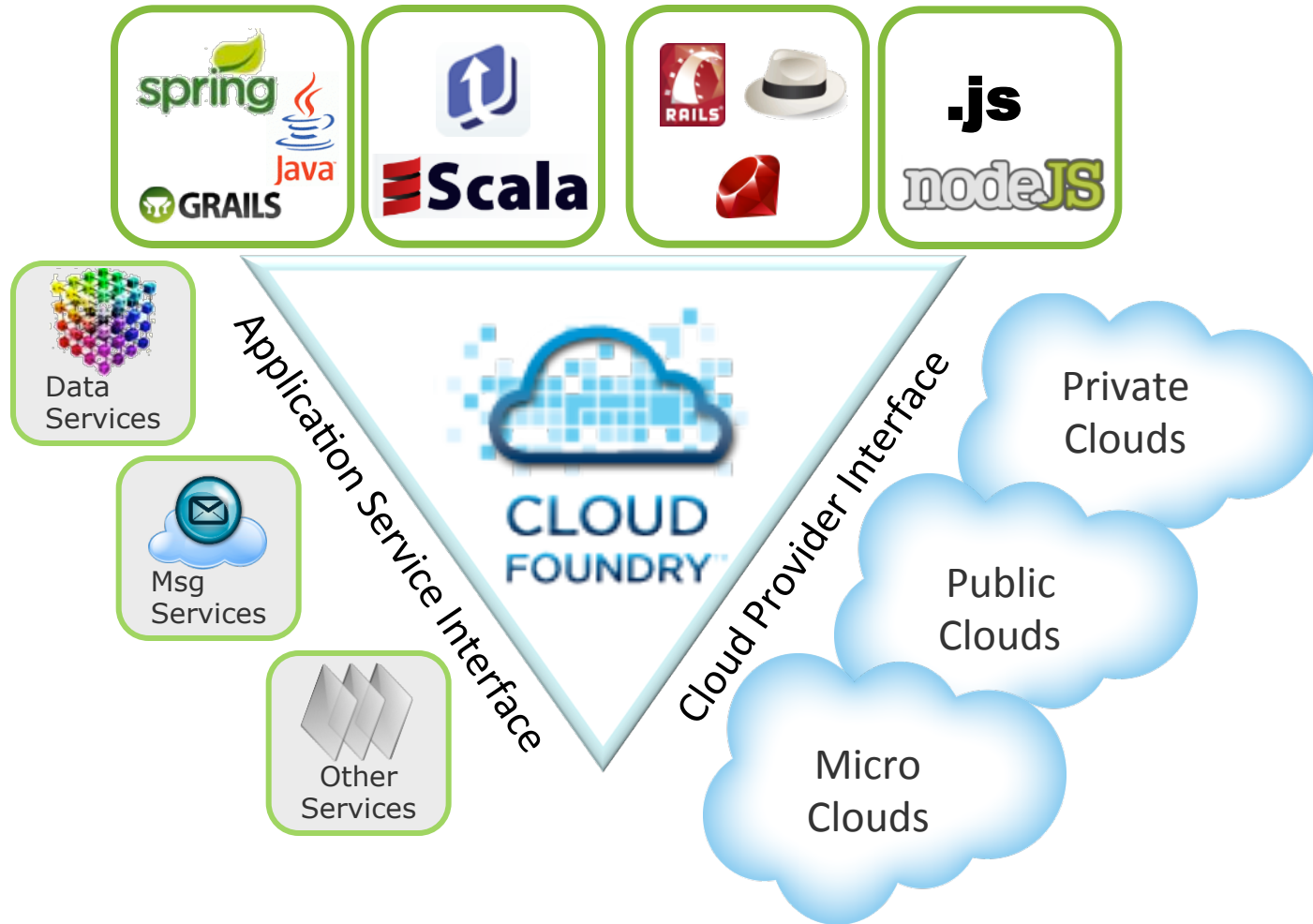
Agent based reloading (SpringLoaded)

- Try it out under tc server configuration options
- It is the reloading mechanism for Grails 2.0
- Recent support
 - groovy reloading
 - enum reloading
 - JDK/CGLIB proxy auto reloading
- Improved memory profile
- Reduced impact at startup time, runtime
- What's next?
 - Improving the spring plugin

Demo

Agent-based reloading

Cloud Foundry™



Spring on Cloud Foundry™

STS provides first-class support for working with Spring apps and Cloud Foundry™, including:

Direct deployment

Updating changed code

App configuration

Browsing remote files

Demo

Spring on Cloud Foundry™

Other languages on Cloud Foundry™

You get the same experience
working with STS for:

Scala

Groovy/Grails

Debugging Apps

Debugging in the Cloud

STS now provides first-class debug support
for Cloud Foundry™:

Start apps in debug mode

Use the feature-rich IDE debugger

While the app is running inside Cloud Foundry™

Demo

Debugging Apps on Local + Micro Cloud Foundry™

Profiling for the Cloud

Spring Insight is the answer
directly accessible from STS
Providing a web UI

**MORE ON SPRING INSIGHT
FOR CLOUD FOUNDRY™:
TOMORROW - DON'T MISS IT!!!**

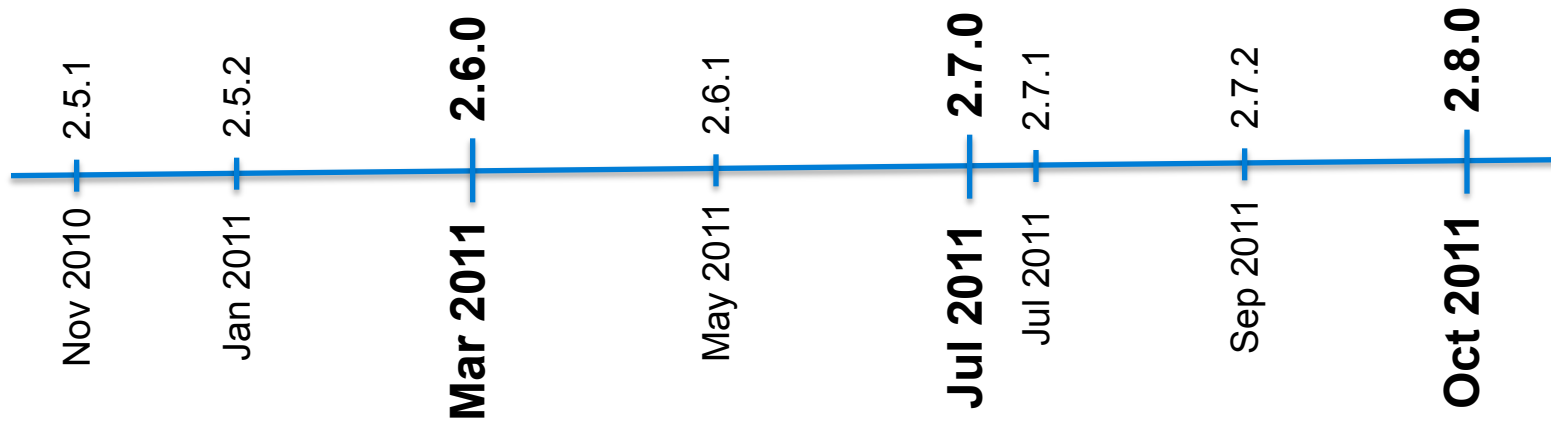
Demo

Spring Insight on Cloud Foundry™ with STS

Lets talk about the development
of STS itself...

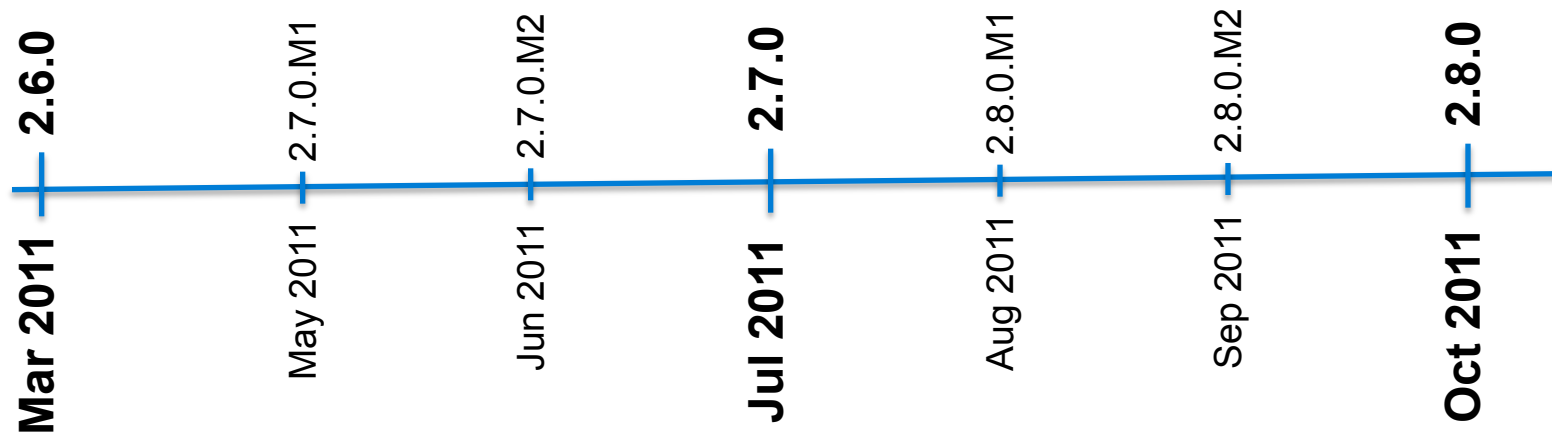
Release Cycles

- Continuous Delivery
 - STS releases roughly every 3 month
 - Minor bugfix and/or compatibility releases in between



Release Cycles

- Continuous Delivery
 - 2-3 milestones between releases
 - Going public roughly every six weeks



- Nightly builds always available

What's next?

- Spring tooling
 - More advanced 3.1 support, especially for profiles
 - Spring Data support
 - Performance
- Cloud Foundry™
 - To be announced...
- Groovy-Grails
 - Remaining Grails 2.0 support
 - Gradle editing

What's next?

- STS 2.9.0 planned for March 2012
 - On top of Eclipse Indigo SR2
 - Compatibility with Eclipse Juno milestone builds
- STS 3.0.0 planned for August 2012
 - On top of Eclipse Juno
 - Dropping support for Helios
- Ah, one more thing:
 - WIP: **making STS open-source** 😊

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Q&A