## Open Source collaboration tools are good for you!

#### **Bertrand Delacrétaz**

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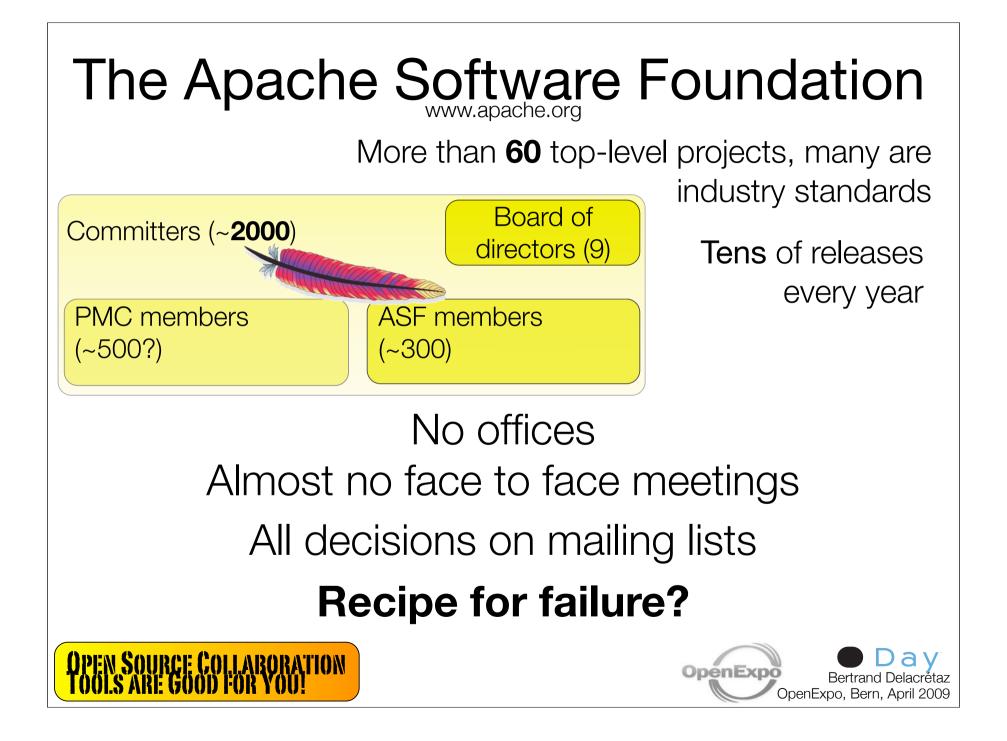
http://grep.codeconsult.ch - twitter: @bdelacretaz - bdelacretaz@apache.org OpenExpo 2009, Bern

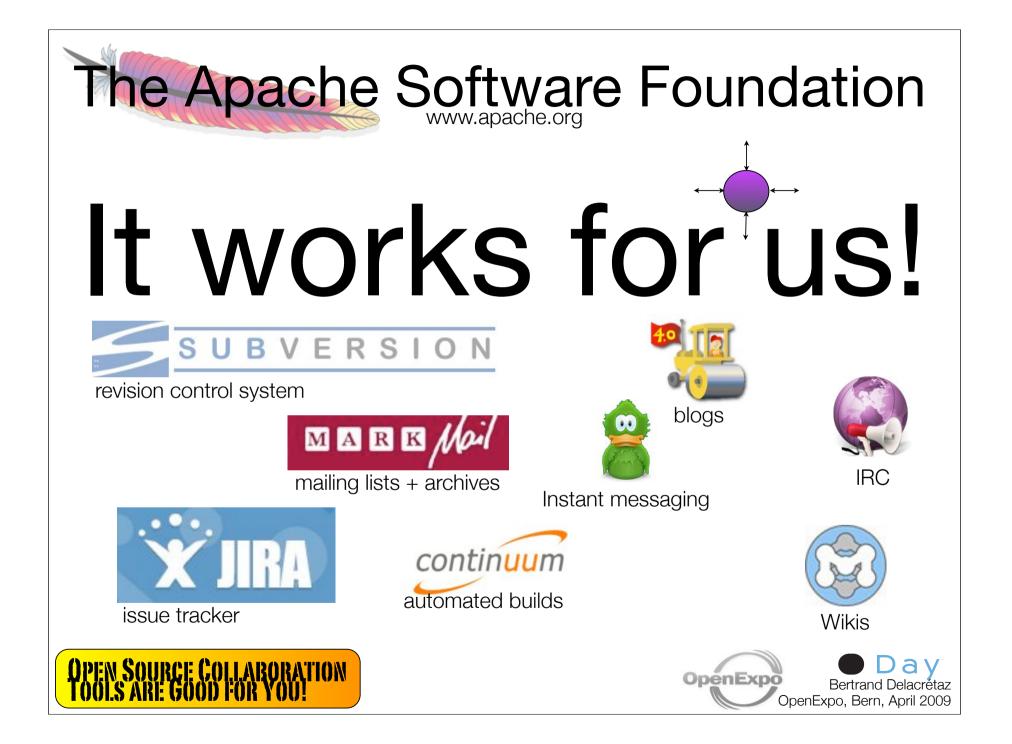
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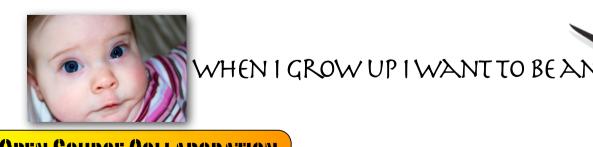


#### How to use the right (types of) collaboration tools in the right way? VERSI SUB revision control system blogs MAR IRC mailing lists + archives Instant messaging continuum automated builds issue tracker Wikis + secret sauce? <u>EN SOURCE COLLABORAT</u> OpenExpo Bertrand Delacrétaz logos: Adium, Roller, Colloguy, MoinMoin OpenExpo, Bern, April 2009





# Can we define requirements for a set of collaboration tools?



picture: slowfoot on morguefile.com





EN SOURCE COLLABORATION



#### Without a vision... Day Bertrand Delacrétaz OpenExpo, Bern, April 2009

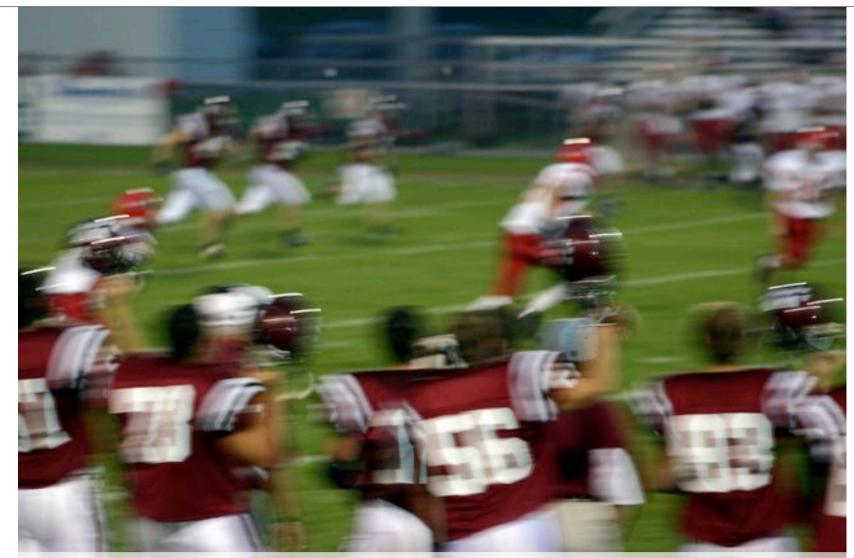
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#### What's our status right now?

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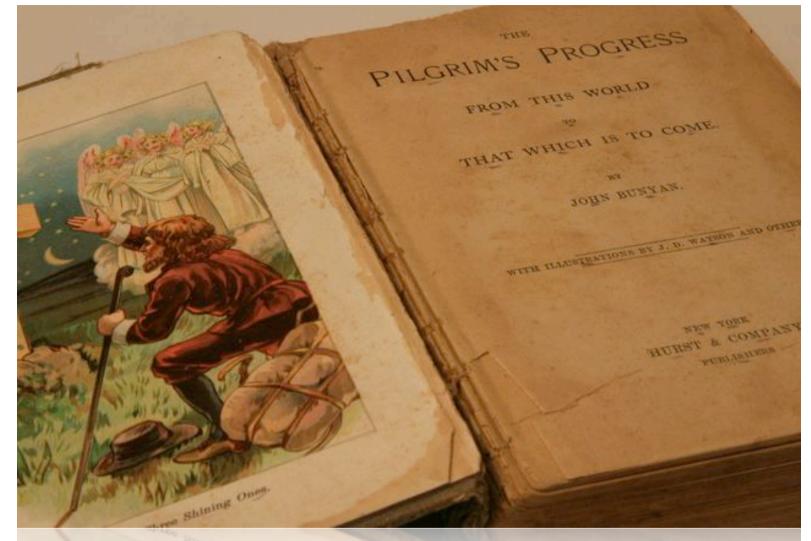
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#### Why did we do this?



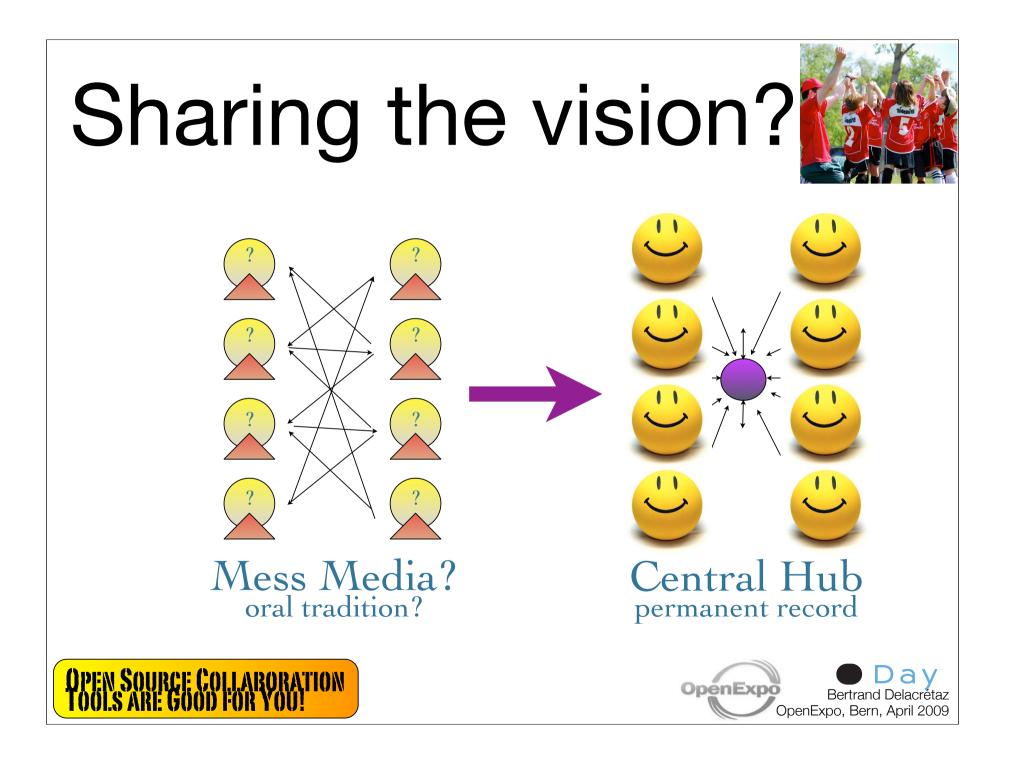




#### Sharing the Vision







## Sharing the vision.





Searchable mailing lists instead of 1-to-1 email





blogs



Wikis instead of email attachments

Blogs help for out-ofband conversations





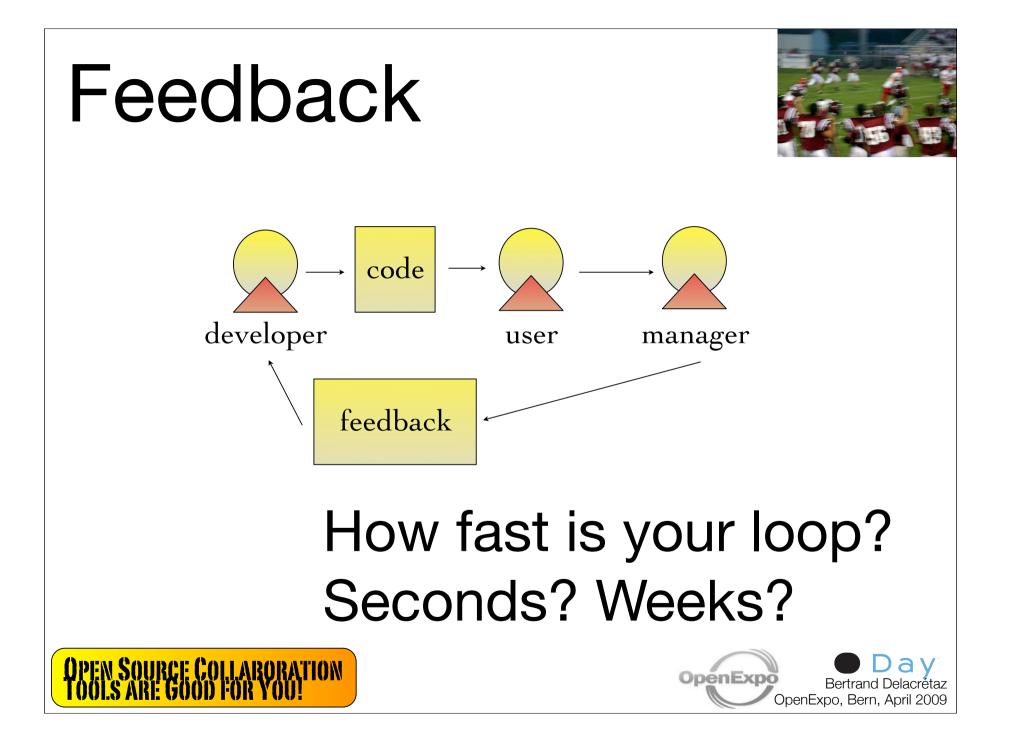
#### Real-time updates

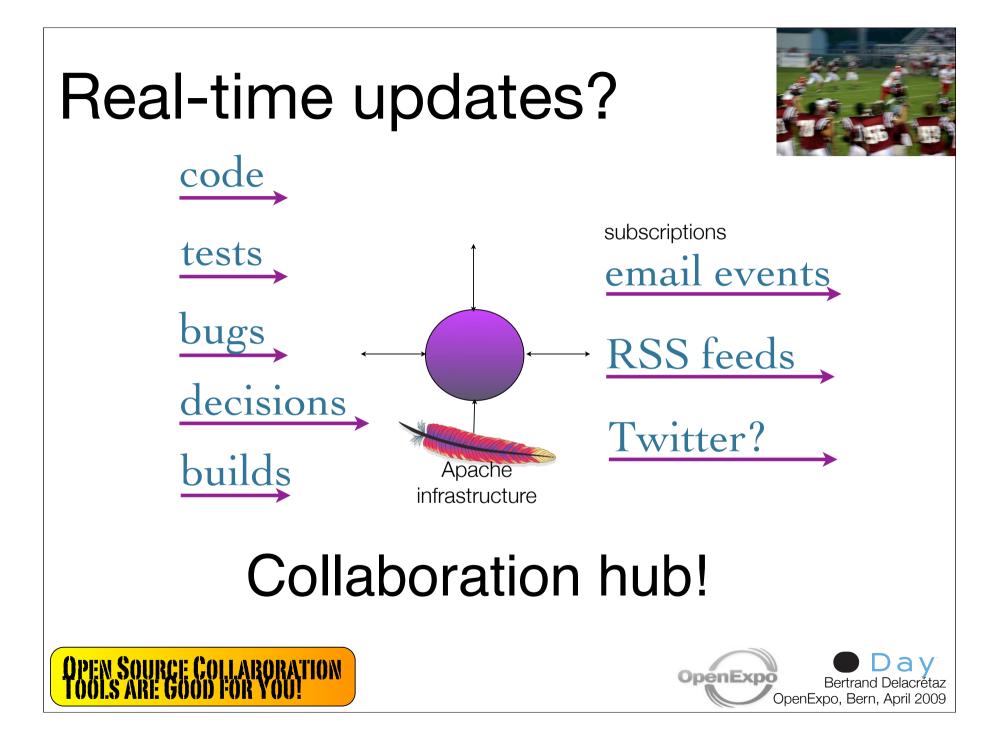




#### We need fast feedback!







#### Real-time updates.





💥 JIRA



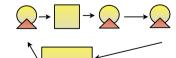


**Source code control** system instead of "code on the fileserver".

**Issue tracker** events instead of "what did you do today"?

Mailing list "events" instead of "yell around the office".

**Automated builds** instead of "wait for Bob to build it on Linux".





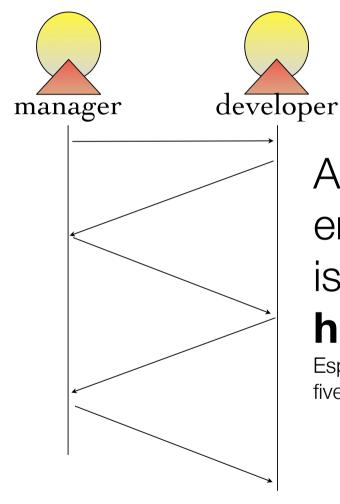


#### Real-time help





## Real-time help?



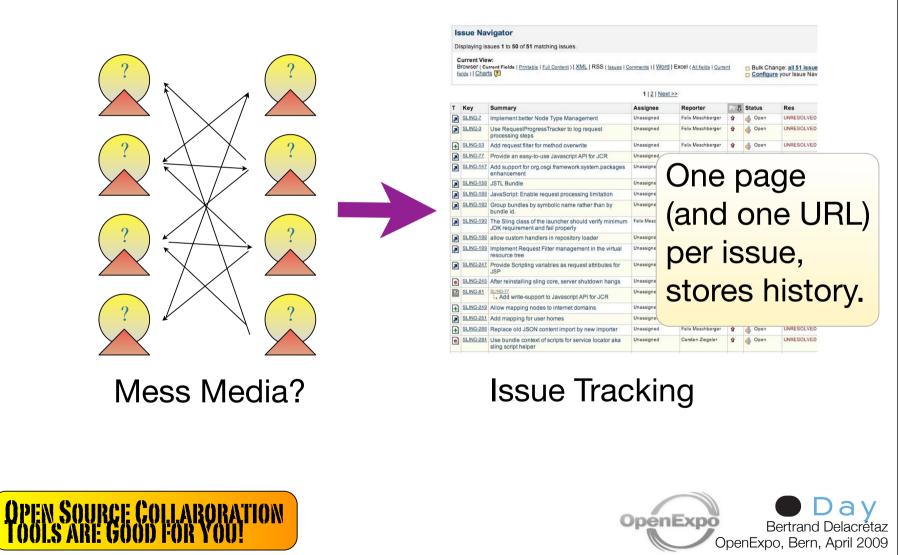
A help (feature, enhancement) request is a **dialog**, and **history** is important. Especially when you need to fix that feature five years later.





## Real-time help?





## Real-time help.



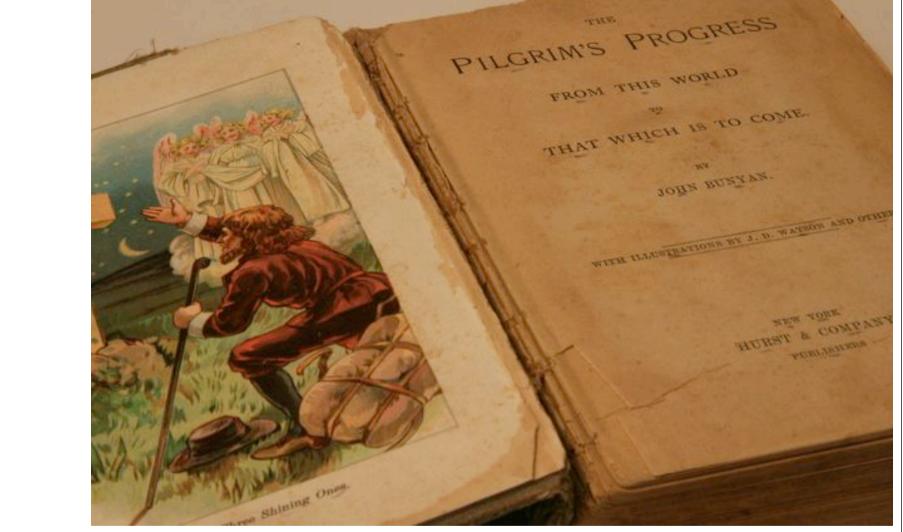


Use an issue tracker instead of "just asking Bob to fix this".

Again - which exact tool you use does not really matter.







#### Self-service archives

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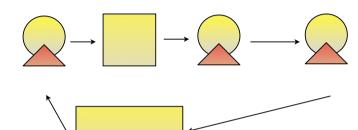
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#### Self-service archives?







# **No time** to document everything that happens.

Illusions like "we'll have time later" don't help.

New project members need the information in **self-service** mode.





#### Self-service archives?





**Source code control** logs, also provide traceability of code.

**Issue tracker** data is structured and searchable.

Mailing lists are semi-structured and (somewhat) searchable.

Blogs and Wikis stay around.

# Near-zero effort if using the rights tools!



#### Speaking in URLs



http://mytracker/YOG-1234 as opposed to "that memory problem that we found in the blastolyzer module last week".

http://myarchive/mail/2009-03-14-1234567.html points to a very precise message as opposed to "what Bob said last week about the blastolyzer".

#### Speak in URLs ! In issues, email, blogs, etc.





### Are We There Yet?







Help



Archives





Updates











## Migration step 2



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fields ) | Charts

Displaying issues 1 to 50 of 51 matching issues.

Browser ( current Fields | Printable | Full Content ) | XML | RSS ( Issues | Comments ) | Word | Excel ( All fields

т	Key	Summary	Assignee	Reporter	Pr 👵	Status	Res
	SLING-7	Implement better Node Type Management	Unassigned	Felix Meschberger	ŵ	🗳 Open	UNRESOLVED
	SLING-3	Use RequestProgressTracker to log request processing steps	Unassigned	Felix Meschberger	ŵ	🗳 Open	UNRESOLVED
+	SLING-53	Add request filter for method overwrite	Unassigned	Felix Meschberger	ŵ	🗳 Open	UNRESOLVED
	SLING-77	Provide an easy-to-use Javascript API for JCR	Unassigned	Lars Trieloff	ŵ	🗳 Open	UNRESOLVED
	SLING-147	Add support for org.osgi.framework.system.packages enhancement	Unassigned	Felix Meschberger	ŵ	🦂 Open	UNRESOLVED
2	SLING-156	JSTL Bundle	Unassigned	Carsten Ziegeler	ŵ	🗳 Open	UNRESOLVED
	SLING-166	JavaScript: Enable request processing limitation	Unassigned	Felix Meschberger	ŵ	🗳 Open	UNRESOLVED
8	SLING-160	Group bundles by symbolic name rather than by bundle id.	Unassigned	Tobias Bocanegra	ŵ	🗳 Open	UNRESOLVED
	SLING-190	The Sling class of the launcher should verify minimum JDK requirement and fail properly	Felix Meschberger	Felix Meschberger	Ŷ	🦂 Open	UNRESOLVED
	SLING-196	allow custom handlers in repository loader	Unassigned	Tobias Bocanegra	ŵ	🗳 Open	UNRESOLVED
	SLING-199	Implement Request Filter management in the virtual resource tree	Unassigned	Felix Meschberger	Ŷ	🇳 Open	UNRESOLVED
	SLING-247	Provide Scripting variables as request attributes for JSP	Unassigned	Felix Meschberger	Ŷ	🗳 Open	UNRESOLVED
۲	SLING-245	After reinstalling sling core, server shutdown hangs	Unassigned	Tobias Bocanegra	ŵ	🍓 Open	UNRESOLVED
B	SLING-81	SUNG-77 G Add write-support to Javascript API for JCR	Unassigned	Lars Trieloff	ŵ	🗳 Open	UNRESOLVED
÷	SLING-249	Allow mapping nodes to internet domains	Unassigned	Vidar S. Ramdal	Ŷ	🗳 Open	UNRESOLVED
	SLING-251	Add mapping for user homes	Unassigned	Tobias Bocanegra	ŵ	🗳 Open	UNRESOLVED
÷	SLING-266	Replace old JSON content import by new importer	Unassigned	Felix Meschberger	ŵ	🗳 Open	UNRESOLVED
•	SLING-284	Use bundle context of scripts for service locator aka sling script helper	Unassigned	Carsten Ziegeler	Ŷ	open 🇳	UNRESOLVED

**Issue Tracking** 

Bring **structure** to the "what are you **working on**", "where do we **stand**" and "what brings us **from A to B**" questions.

Document the many **microdecisions** that shape your project.

Review and update **priorities** and assignments at will. Makes all the difference in a **crisis**.





## Migration step 3







Repeatable, **automated builds** instead of "just configure your IDE like mine".



Speed up the feedback loop through **continuous integration**.



Moving to automated builds might require a sizeable **initial effort**.





## Migration steps 4..N





Archived discussions should be next.



Wikis and blogs help a lot, but are not as critical.



Instant messaging, IRC and Twitter (or ESME) are very useful, but have **less impact** on the overall way of working.







### Mistakes in public?

Learn by doing - only the first few mistakes are hard...



Is living proof that making mistakes in public does not kill.



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Bertrand Delacrétaz

OpenExpo, Bern, April 2009



picture by xenia on morguefile.com





Focus on the **goals**, not on the tools (can be challenging with geeks...)

Source code control system and issue tracker bring the most value.

Archived discussions and other tools are very nice to have.



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