Migrating to Git:
Let's Git this party started

@Kim_Moir
@paulweb515
IBM Ottawa
Git Happens

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@paulweb515
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About Us

- 10 year old code repository
- Around 40 active committers
- Produce approximately 600 bundles a build
- Limited Git experience before migration
Active development streams: 4.2, 4.1.x, 3.8, 3.7.x
Unix group (guid) -> Git repo

2 CVS repos -> ~25 Git repos
This commit was manufactured by cvs2svn to create tag 'v20070426'.
CVS:

- Condition
- Copy to temporary location
- Run cvs2git
Git:

- git fast-import CVS content into temporary Git repository
- Git-move-refs
- git prune, repack, gc and repack
- Validate the git repo
- Run a script to remove delete only tags
• Add gitignore file via git filter-branch
• Clone into bare repo
• git prune, repack, gc and repack
• copy repo into final location
“It’s one thing to migrate to Git, it’s another thing to use it”

-Olivier Thomann
“Git: The command line is where it’s at”

-Bogdan Gheorge
‘Patches are like dumping a database into a text file. You need to think in terms of releasing fixes to branches instead of passing around patches. Patches also lose some Git provenance information such as author and parent.’

- John Arthorne
That operation is four pay-grade levels above my current git-foo.

-Paul Webster
“I have broken the platform-ui git repository.”
-Bug 361707

“Better policy to guard against deleting all branches and tags from our public repos”
-Bug 362076
GIT STASH CHANGES YOUR LIFE
“There are three categories of costs that we incurred during the Git migration:

The migration process itself, the developer learning curve and dealing with EG it issues”

-Mike Wilson
• Read
• Test migration
• Communicate
“The complexity of our code is the barrier to contribution, not the SCM”.

-Paul Webster
Useful links

- Git parable [http://tom.preston-werner.com/2009/05/19/the-git-parable.html](http://tom.preston-werner.com/2009/05/19/the-git-parable.html)
- Think like a git [http://think-like-a-git.net/](http://think-like-a-git.net/)
- Git workflows for CVS users [http://wiki.eclipse.org/Platform-releng/Git_Workflows](http://wiki.eclipse.org/Platform-releng/Git_Workflows)
- git@eclipse.org mailing list
- Migration scripts we used git://git.eclipse.org/e4/org.eclipse.migration.git
Questions?

“G it happens”
-Kim Moir
-Paul Webster
Give Feedback on the Sessions

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