

Gerrit: WTF?

Steven Le Bras

<https://code.google.com/p/gerrit/>
<https://wiki.avencall.com/index.php/Gerrit>

12 Novembre 2012

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Introduction

Qu'est ce que Gerrit ?

- Développé par Google pour Google (and the world)
- Écrit en Java
- Outil de Code review
- Web based

Introduction

Pourquoi l'utiliser ?

- Vérification obligatoire du code
- Ouverture à la communauté (de l'anneau)
- Automatisation des tests unitaires

Introduction

Qui est impacté ?

- Tout le monde
- L'équipe de Rennes
- L'équipe de Québec
- Les services
- La communauté (de l'anneau)

Sommaire

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2 Comment ça marche ?

- Comptes (internes/externes)
- Au commencement ..
- Workflow à suivre
- Et les autres Git ?

3 Web interface

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5 Conclusion

HowTo

Account (interne/externe)

- Interne : LDAP
- Externe : Création manuelle
- Gestion des accès par groupes et par projets

HowTo

Mise en place du repo

- `git remote add gerrit ssh://<username>@review.avencall.com:29418/avencall/xivo-doc.git`
- `git remote update`
`git checkout master`
`git pull origin master`
- `git checkout -b TOPIC-BRANCH`
- `git commit -a`
- `git push origin HEAD:refs/for/master`

HowTo

Flux de travail

- Git repo [Manuel]
- Vérification [Auto]
- Code review [Manuel]
- Push dans repo officiel [Auto]

HowTo

Gitorious ? git.xivo.fr ?

- No more commit
- Pas touche !
- De toute façon ..

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 - Open commits
 - Sample commit
 - Review page
 - Merged commits
 - Abandoned commits
- 4 Saving your life

Web Interface

Open commits

[All](#) | [My](#) | [Admin](#) | [Documentation](#) | [Open](#) | [Merged](#) | [Abandoned](#)

Anonymous Coward · slebras@avencall.com · [Settings](#) | [Sign Out](#)

status:open

Search for status:open

ID	Subject	Owner	Project	Branch	Updated	V	R
▶ Ia65cfff048	test 33!	slebras@avencall.com	xno-gerrit	master	7:46 AM		

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Web Interface

Sample commit

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status open

Change lb3778626: test 35

Change-Id: I6377862685167e1c38e90085f5ac4947a73b515

Owner: [sliebras@avencall.com](#)

Project: [xivo-gerrit](#)

Branch: [master](#)

Topic:

Uploaded: Nov 8, 2012 9:49 AM

Updated: Nov 8, 2012 9:49 AM

Status: Review in Progress

test 35

[Permalink](#)

- Need Verified
- Need Code Review

Dependencies

ID	Subject	Owner	Project	Branch	Updated
Depends On:					
I6377862685167e1c38e90085f5ac4947a73b515	test 34 (ABANDONED)	sliebras@avencall.com	xivo-gerrit	master	9:48 AM
Needed By:					
(None)					

Old Version History:

Patch Set 1

b377862685167e1c38e90085f5ac4947a73b515

Author: [Steven Le Bras](#) <sliebras@avencall.com> Nov 8, 2012 9:49 AM

Committer: [Steven Le Bras](#) <sliebras@avencall.com> Nov 8, 2012 9:49 AM

Parent(s): 6b4e7c18d6d9b0aef9acdb784c71c43f6d9a62 test 34

Download: [checkout](#) | [pull](#) | [cherry-pick](#) | [patch](#) | [Anonymous HTTP](#) | [SSH](#) | [HTTP](#) | [git pull https://gerrit.lan-quebec.avencall.com:8443/xivo-gerrit refs/changes/27/27/1](#)

	File Path	Comments	Size	Diff	Reviewed
►	Commit Message			Side-by-Side	Unified
M	testfile.txt		+1, -0	Side-by-Side	Unified

Web Interface

Review page

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Change lb3778626 - Patch Set 1: Publish Comments

Change-Id: I63778626885387e1c38e90085f6cd847b734515

Owner: [slbras@avncall.com](#)

Project: [xiro-gerrit](#)

Branch: [master](#)

Topic:

Uploaded: Nov 8, 2012 9:48 AM

Updated: Nov 8, 2012 9:48 AM

Status: Review in Progress

test 35

[Permalink](#)

Verified:

☐ +1 Verified

☒ 0 No score

☐ -1 Fails

Code Review:

☐ +2 Looks good to me, approved

☐ +1 Looks good to me, but someone else must approve

☒ 0 No score

☐ -1 I would prefer that you didn't submit this

☐ -2 Do not submit

Cover Message:

[Publish Comments](#) | [Publish and Submit](#) | [Cancel](#)

Web Interface

Merged commits

AllMyAdminDocumentation

OpenMergedAbandoned

status:merged

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Search

Search for status:merged

ID	Subject	Owner	Project	Branch	Updated	V	R
Ia5cfff049	test.3311 (MERGED)	slebras@avencall.com	xivo-gerrit	master	9:45 AM	✓	✓
I9bba1f1d	bis (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 6	✓	✓
I7c180d24	same change id test (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 6	✓	✓
I3dlb77e86	change-id test (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 6	✓	✓
Ic8aaa072	test change-id ChangeId: Ic8aaa0728a43926cd4ced290e01ba80bfb5 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 6	✓	✓
I1fb3d9db	test28 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 6	✓	✓
I9dlc6ba9	test27 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I08c38013	test24 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I394f346a	test23 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
Iaddea18f	test22 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I1bc102dc	test20 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I63882a8a	test20 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I1342c4e2	test19 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I85465d7d	test16 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I1d9d884d	test15 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I9aa0f65c	test14 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I083fc869	test8 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
Ie2008ad1	test7 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I646dab17	test6 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
Id07c5351	test5 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 5	✓	✓
I1f0d9d551	test.3 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 2	✓	✓
I89fb4cd4	Test, add a file on master (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 2	✓	✓
I8114d194	TESTBRANCH1 (MERGED)	slebras@avencall.com	xivo-gerrit	master	Nov 2	✓	✓

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Web Interface

Abandoned commits

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status:abandoned

Search for status:abandoned

ID	Subject	Owner	Project	Branch	Updated	V	R
▶ 16b4e7518	test 34 (ABANDONED)	siebras@avencall.com	xivo-gerrit	master	9:48 AM	✓	✓
▶ 1056322da	Merge branch 'master' of ssh://review:xivo-gerrit (ABANDONED)	siebras@avencall.com	xivo-gerrit	master	9:48 AM	✓	✓
▶ 17b7e32c6	test29 (ABANDONED)	siebras@avencall.com	xivo-gerrit	master	Nov 6	✗	✗

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 - Tool : git-review
 - Initialisation
 - Utilisation
- 5 Conclusion

Tools

It could save your life

- git-review
- from openstack
- dispo github / pip
- pas facebook

Tools

Initialisation

- Set up a repo in .gitreview
- [gerrit]
host=gerrit.lan-quebec.avencall.com
port=29418
project=xivo-gerrit
defaultbranch=master
- git review -s

Tools

Utilisation

- git review
- plusieurs commit ?
- bug 1234
- doc : <https://labsconsole.wikimedia.org/wiki/Git-review>

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- 2 Comment ça marche ?
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- 5 Conclusion**
 - No comit outside of gerrit
 - Questions / Réponses
 - Documentation

Conclusion

No commit outside of gerrit

- On martèle jusque ça rentre !!
- Tu commit ? Tu gerrit !
- On te pète les jambes

Conclusion

Questions

- Des questions ?

Conclusion

Documentation

- <https://wiki.avencall.com/index.php/Gerrit>
- <https://code.google.com/p/gerrit/>
- <http://wiki.openstack.org/GerritWorkflow>
- <https://labsconsole.wikimedia.org/wiki/Git-review>