

QuakeCoRE SW Team Code Review

QuakeCoRE Software Team has introduced code review policy as an effort for quality assurance and encourage increased interactions amongst team members.

Step-by-step guide

1. **Developer**: Create a branch -> Edit -> Add/Commit/Push to the branch

In the following, let's assume the developer "seb56" is making a small change to "git_sim_pkg" repository.

```
seb56@hypocentre /home/seb56/gm_sim_pkg :git checkout -b fix_hardcoded_python
Switched to a new branch 'fix_hardcoded_python'
```

<https://www.atlassian.com/git/tutorials/using-branches>

Suppose the developer edited the file "setup_remote.sh. The developer does "git add" followed by "git commit".

```
seb56@hypocentre /home/seb56/gm_sim_pkg/wrapper :git add setup_remote.sh
seb56@hypocentre /home/seb56/gm_sim_pkg/wrapper :git commit -m "Replaced the hard-coded python path with
a variable"
[fix_hardcoded_python c2a7911] Replaced the hard-coded python path with a variable
1 file changed, 2 insertions(+), 1 deletion(-)
```

When the developer feels the code is ready, he/she does "git push" to the new branch.

```
seb56@hypocentre /home/seb56/gm_sim_pkg/wrapper :git push origin fix_hardcoded_python
Counting objects: 4, done.
Delta compression using up to 32 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 410 bytes | 0 bytes/s, done.
Total 4 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To github.com:ucgmsim/gm_sim_pkg.git
 * [new branch]      fix_hardcoded_python -> fix_hardcoded_python
```

2. **Developer**: Make a pull request from GitHub. to a reviewer.

Go to Github, and notice the new branch that you created. Click **Compare & pull request**.

ucgmsim / gm_sim_pkg Private

Unwatch 5 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Settings Insights

No description, website, or topics provided.

Add topics

103 commits 3 branches 0 releases 4 contributors

Your recently pushed branches:

fix_hardcoded_python (19 minutes ago) Compare & pull request

Branch: fix_hardcoded_python... New pull request

Create new file Upload files Find file Clone or download

Switch branches/tags

Find or create a branch...

Branches Tags

- custom_vm_gen_cords
- ✓ fix_hardcoded_python
- master

.gitattributes

Commit message	Time ago
path with a variable	Latest commit c2a7911 19 minutes ago
ed a symbolic-linked walldock.sqlite to the repo	a month ago
ated the PlottingData(md5sum) and added a file to track the list o...	10 days ago
ed md5sum file for the newest Rdata	3 months ago
placed the hard-coded python path with a variable	19 minutes ago
Obs: version alpha is completed	4 months ago

Enter the description of the code change and specify the reviewer. In this example, "diagrama" is selected. The reviewer can be an expert or a team member who wishes to learn more about the code base.

Before clicking **Create pull request**, scroll down and have a good look at your code change. If you're happy, make a pull request.

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: master ... compare: fix_hardcoded_python ... ✓ Able to merge. These branches can be automatically merged.

Replaced the hard-coded python path with a variable

Write

Preview

AA

B

i

“

”

↔

↕

≡

≡

≡

↶

↷

@

🔍

As we will be migrating from Fitzroy to a new machine, hard-coded paths specific to Fitzroy should be replaced with a variable, preferably retrieved from external files or environment. This code change is just a poor example of half-done solution.

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Create pull request

Reviewers

diagrama

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

No milestone

1 commit

1 file changed

0 commit comments

1 contributor

Commits on Aug 10, 2017

sungeunbae

Replaced the hard-coded python path with a variable

c2a7911

Showing 1 changed file with 2 additions and 1 deletion.

Unified

Split

View

Diff

```
1 wrapper/setup_remote.sh
2 @@ -6,6 +6,7 @@ if [ "$S" -ne 1 ]; then
3   #1
4   remote_user=$1
5   #1
6   #remote_python=/opt/nlwa/Python/AIX/2.7.5/bin/python
7   #remote_python=/opt/nlwa/Python/AIX/2.7.5/bin/python
8   cfm="find_config.sh"
9   echo $cfm
10  @@ -35,4 +36,4 @@ cfm="scp $cfm $remote_user@fitzroy.nesl.org.nz:$remote_cfg"
11  echo $cmd
12  $cmd
13  $cmd
14  -ssh $remote_user@fitzroy.nesl.org.nz "cp /opt/nlwa/Python/AIX/2.7.5/bin/python /nesl/projects/nesl00213
15  /workflow/devel/install.py $remote_cfg"
16  -ssh $remote_user@fitzroy.nesl.org.nz "$remote_python /nesl/projects/nesl00213/workflow/devel
17  /install.py $remote_cfg"
```

When the request has been successfully made, the developer will be presented a new page from **Pull requests** tab.

ucgmsim / gm_sim_pkg Private

Unwatch 5 Star 0 Fork 0

< Code Issues 0 Pull requests 1 Projects 0 Wiki Settings Insights

Replaced the hard-coded python path with a variable #3

Edit

Open

sungeunbae wants to merge 1 commit into master from fix_hardcoded_python

Conversation 0 Commits 1 Files changed 1 +2 -1

sungeunbae commented just now

As we will be migrating from Fitzroy to a new machine, hard-coded paths specific to Fitzroy should be replaced with a variable, preferably retrieved from external files or environment. This code change is just a poor example of half-done solution.

Replaced the hard-coded python path with a variable c2a7911

sungeunbae requested a review from diagrama just now

Add more commits by pushing to the fix_hardcoded_python branch on ucgmsim/gm_sim_pkg.

Review requested

Review has been requested on this pull request. It is not required to merge. [Learn more.](#)

This branch has no conflicts with the base branch

Merging can be performed automatically.

Reviewers

diagrama

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone

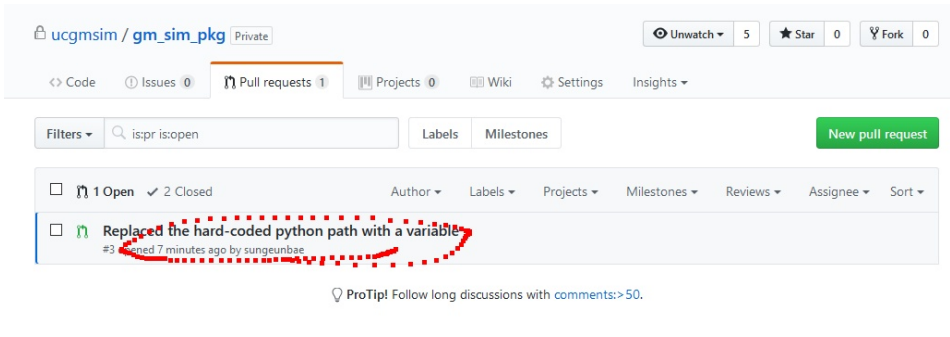
No milestone

Notifications

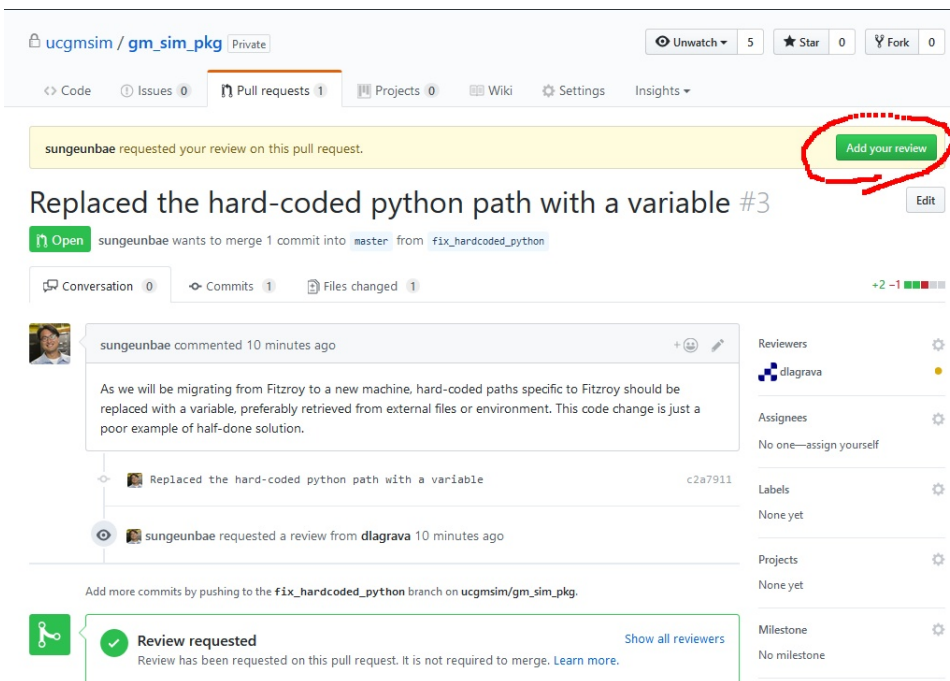
Unsubscribe

3. **Reviewer** : Reviewer has 3 options : He/she can make comments, approve the change or make a change request.

The reviewer receives an email requesting the review. "diagrava" visits the pull request page and clicks the link to start the review.



Click **Add your review**



The reviewer can click **Review changes** to comment/approve or request changes.

Replaced the hard-coded python path with a variable #3

[Edit](#)

Open sungeunbae wants to merge 1 commit into master from fix_hardcoded_python

Conversation 0

Commits 1

Files changed 1

Changes from all commits ▾ Jump to... ▾ +2 -1

Unified Split

Review changes ▾

3 wrapper/setup_remote.sh

@@ -6,6 +6,7 @@ if ["\$#" -ne 1]; then

6 6 #fi

7 7

8 8 remote_user=\$1

9 +remote_python=/opt/niwa/Python/AIX/2.7.5/bin/python

10 10

11 11 cfg=\$(find_config.sh)

12 12 echo \$cfg

@@ -55,4 +56,4 @@ cmd="scp \$cfg \$remote_user@fitzroy.nesi.org.nz:\$r

55 56

56 57 \$cmd

57 58

58 -ssh \$remote_user@fitzroy.nesi.org.nz "/opt/niwa/Python/AIX/2.7.5/b

59 +ssh \$remote_user@fitzroy.nesi.org.nz "\$remote_python /nesi/projects/nesi00213/workflow/devel/install.py \$remote_cfg"

Submit your review

Review summary

Leave a comment

☒ Comment

Submit general feedback without explicit approval.

☐ Approve

Submit feedback and approve merging these changes.

☐ Request changes

Submit feedback that must be addressed before merging.

Submit review

If the reviewer wishes to make a specific comment for a certain line of code, click + in the beginning of the line and leave a comment and click **Add single comment**, this will immediately send an email to the developer.

58 -ssh \$remote_user@fitzroy.nesi.org.nz "/opt/niwa/Python/AIX/2.7.5/bin/python /nesi/projects/nesi00213/workflow/devel/install

59 +ssh \$remote_user@fitzroy.nesi.org.nz "\$remote_python /nesi/projects/nesi00213/workflow/devel/install.py \$remote_cfg"

Write Preview

AA B i “ < > ↩ ↪ @

Why do you leave the hard-coded "fitzroy.nesi.org.nz". Don't you think it has to be a variable?

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Cancel Add single comment Start a review



Alternatively, if the reviewer wishes to make multiple comments, he/she may click **Start a review**, which will place the comment in "Pending" state, and after all comments have been made, the reviewer can click **Finish your review** to send the whole collection of comments in a single email.

58 +ssh \$remote_user@fitzroy.nesi.org.nz "/opt/niwa/Python/AIX/2.7.5/bin/python /nesi/projects/nesi00213/workflow/devel/install

59 +ssh \$remote_user@fitzroy.nesi.org.nz "\$remote_python /nesi/projects/nesi00213/workflow/devel/install.py \$remote_cfg"

diagrama Pending

Why do you leave the hard-coded "fitzroy.nesi.org.nz". Don't you think it has to be a variable?

Reply...

Start a new conversation

Finish your review

The reviewer can finalize the review by clicking **Submit review** with 3 options - **Comment**, **Approve** and **Request changes**.

Unified
Split
Review changes

Submit your review

Review summary

I think you should create a variable for "fitzroy.nesi.org.nz".

☐ Comment
Submit general feedback without explicit approval.

☐ Approve
Submit feedback and approve merging these changes.

☒ Request changes
Submit feedback that must be addressed before merging.

Submit review

ts/nesi00213/workflow/dev1/install.py \$remote_cfg"

4. Developer. Revision of the code.

If the reviewer selects **Request change**, the developer will receive an email with a link that takes to this page.

The developer may disagree, but let's assume he/she agreed to make a necessary code change.

dlagrava reviewed 11 minutes ago
View changes

```

wrapper/setup_remote.sh
... @@ -55,4 +56,4 @@ cmd="scp $cfg $remote_user@fitzroy.nesi.org.nz:$remote_cfg"
55 56 echo $cmd
56 57 $cmd
57 58
58 -ssh $remote_user@fitzroy.nesi.org.nz "/opt/niwa/Python/AIX/2.7.5/bin/python /
59 +ssh $remote_user@fitzroy.nesi.org.nz "$remote_python /nesi/projects/nesi00213

```

dlagrava 11 minutes ago
Why do you leave the hard-coded "fitzroy.nesi.org.nz". Don't you think it has to be a variable?

Reply...

dlagrava requested changes 28 seconds ago
View changes

I think you should create a variable for "fitzroy.nesi.org.nz".

Add more commits by pushing to the **fix_hardcoded_python** branch on **ucgmsim/gm_sim_pkg**.

Changes requested
Hide all reviewers
1 review requesting changes [Learn more](#).

dlagrava requested changes
See review Dismiss review

The developer edit the code, and does git add/commit/push.

It is also recommended to respond to the reviewer comment.

```
59 +ssh $remote_user@fitzroy.nesi.org.nz \"$remote_python /nesi/projects/nesi00213/workflow/devel/install.py $remote_cfg\"
```

dlaqrava 16 hours ago

Why do you leave the hard-coded "fitzroy.nesi.org.nz". Don't you think it has to be a variable?

Write Preview

Agreed. Done that in the latest commit.

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Cancel Add single comment **Start a review**

Start a review and **Submit review** to finalize your comment and notify the reviewer.

Unified Split Review changes 1

Submit your 1 pending comment

Review summary

Added remote_host as requested.

☒ Comment
Submit general feedback without explicit approval.

☐ Approve
Submit feedback and approve merging these changes.

☐ Request changes
Submit feedback that must be addressed before merging.

Cancel review **Submit review**

```
6 fi
7
8 remote_user=$1
9 +remote_python=/opt/niwa/Python/AIX/2.7.5/bin/
10 +remote_host=fitzroy.nesi.org.nz
11 cfg=$(find_config.sh)
12 echo $cfg
13 if [ ! -f "$cfg" ]; then
14
56 echo $cmd
57 $cmd
58
59 +ssh $remote_user@$remote_host "$remote_python /nesi/projects/nesi00213/workflow/devel/install.py $remote_cfg"
```

5. **Reviewer:** Second review.

Reviewer receives an email with a link that takes to the page showing **New changes since you last viewed**.

dlaqrava requested changes 16 hours ago

View changes

I think you should create a variable for "fitzroy.nesi.org.nz".

New changes since you last viewed

View changes

Replaced hard-coded fitzroy address with a variable 84ef6a7

Click + or **View changes** to inspect. If everything looks ok, Click **Review changes** and **Approve**.

Replaced the hard-coded python path with a variable #3

Edit

Open sungeunbae wants to merge 2 commits into master from fix_hardcoded_python

Conversation 4 Commits 2 Files changed 1

Changes from 1 commit Jump to... +2 -2 Viewing a subset of changes. View all Unified Split Review changes

```
4 wrapper/setup_remote.sh
@@ -7,7 +7,7 @@ fi
7 7
8 8 remote_user=$1
9 9 remote_python=/opt/niwa/Python/AIX/2.7.5/bin/python
10 -
11 +remote_host=fitzroy.nesi.org.nz
12 cfg="find_config.sh"
13 echo $cfg
14 if [ ! -f "$cfg" ]; then
15
56 56 echo $cmd
57 57 $cmd
58 58
59 -ssh $remote_user@fitzroy.nesi.org.nz "$remote_python /nesi/projects/nesi00213/workflow/devel/install.py $remote_cfg"
60 +ssh $remote_user@$remote_host "$remote_python /nesi/projects/nesi00213/workflow/devel/install.py $remote_cfg"
```

Submit your review

Review summary

Leave a comment

☐ Comment
Submit general feedback without explicit approval.

☒ **Approve**
Submit feedback and approve merging these changes.

☐ Request changes
Submit feedback that must be addressed before merging.

Submit review

6. Admin (Reviewer): Merge the pull request

The repository admin (most of the time, the reviewer will function as the admin) will **Merge the pull request**.

sungeunbae reviewed 23 minutes ago [View changes](#)

Added remote_host as requested.

wrapper/setup_remote.sh [Show outdated](#)

dlgrava approved these changes just now [View changes](#)

Add more commits by pushing to the fix_hardcoded_python branch on ucgmsim/gm_sim_pkg.

Changes approved [Show all reviewers](#)
1 approved review [Learn more](#).

This branch has no conflicts with the base branch
Merging can be performed automatically.

Merge pull request You can also open this in [GitHub Desktop](#) or view [command line instructions](#).

It is also recommended for the admin to **Delete branch** to keep the repository tidy.

dlgrava approved these changes 6 minutes ago [View changes](#)

dlgrava merged commit ad64bb7 into master just now [Revert](#)

Pull request successfully merged and closed
You're all set—the fix_hardcoded_python branch can be safely deleted.

Delete branch

7. Developer: Delete the local branch

Even if the admin deletes the branch, the developer's own copy of code still has the branch and worse still, the developer may be on the branch.

Check which branch is being used.

```
seb56@hypocentre /home/seb56/gm_sim_pkg :git branch
* fix_hardcoded_python
master
```

Switch to master branch.

```
seb56@hypocentre /home/seb56/gm_sim_pkg :git checkout master
Switched to branch 'master'
Your branch is up-to-date with 'origin/master'.
```

I. Delete first

Delete the branch

```
seb56@hypocentre /home/seb56/gm_sim_pkg :git branch -D fix_hardcoded_python
Deleted branch fix_hardcoded_python (was 84ef6a7).
```

At this point, your local "master" will be behind the origin "master" which has merged the pull request. Get the latest copy of origin master.

```
seb56@hypocentre /home/seb56/gm_sim_pkg :git pull
remote: Counting objects: 1, done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), done.
From github.com:ucgmsim/gm_sim_pkg
   157b335..ad64bb7  master    -> origin/master
Updating 157b335..ad64bb7
Fast-forward
 wrapper/setup_remote.sh | 5 +++--
 1 file changed, 3 insertions(+), 2 deletions(-)
```

II. Pull first

```
seb56@hypocentre /home/seb56/gm_sim_pkg :git pull
remote: Counting objects: 1, done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), done.
From github.com:ucgmsim/gm_sim_pkg
   157b335..ad64bb7  master    -> origin/master
Updating 157b335..ad64bb7
Fast-forward
 wrapper/setup_remote.sh | 5 +++--
 1 file changed, 3 insertions(+), 2 deletions(-)
```

Delete the branch. Note the "-d" switch instead of "-D".

```
seb56@hypocentre /home/seb56/gm_sim_pkg :git branch -d fix_hardcoded_python
Deleted branch fix_hardcoded_python (was 84ef6a7)
```


Related articles

- [QuakeCoRE SW Team Code Review](#)

<https://help.github.com/articles/about-pull-requests/>

<https://help.github.com/articles/merging-a-pull-request/>