# Contributing to multiarch/qemu-user-static

Your contributions such as reporting a bug and sending pull-request are very wellcome! Thank you.

## Did you find a bug?

\* Ensure the bug was not already reported by searching on GitHub under Issues.

\* multiarch/qemu-user-static is a collection of containers to enable people to emulate multi-architecture containers by using qemu-user-static (= a collection of QEMU's user mode static binaries `qemu-$arch-static`) [1] and binfmt\_misc [2]. This repository is not QEMU project's one. If you find a bug about them, you can visit the website [1][2] to report an issue on the projects.

## How to send pull-request

1. Fork the repository: https://github.com/multiarch/qemu-user-static . Ex. https://github.com/junaruga/qemu-user-static

2. This repository is using Travis CI. You can test your modified code on your forked repository before sending a pull-requeste. Go to https://travis-ci.org/your\_account\_name/qemu-user-static , then enable Travis. Ex. https://travis-ci.org/junaruga/qemu-user-static

3. If you want to test pushing created container images,

\* You need to have your own container repository such as DockerHub or Quay.io. Ex. https://quay.io/repository/junaruga/qemu-user-static

\* You need to set environment variables `DOCKER\_USERNAME` and `DOCKER\_PASSWORD` on your repository's Travis CI Settings page. Please remember it is better to set `DOCKER\_PASSWORD` without displaying the value for your security.

![Forked repository's Travis CI Settings](docs/images/forked-repo-travis-ci-settings.png)

4. You also need to have your https://quay.io/repository/junaruga/qemu-user-static

5. You need to edit `.travis.yml` with your container repository. This step can be improved in the future.

6. Below is an example of how to test with your container repository.

```

$ git diff

diff --git a/.travis.yml b/.travis.yml

index 79ca070..edee35e 100644

--- a/.travis.yml

+++ b/.travis.yml

@@ -15,13 +15,13 @@ env:

- VERSION=4.0.0-5

# See qemu-user-static's RPM spec file on Fedora to check the new version.

# https://src.fedoraproject.org/rpms/qemu/blob/master/f/qemu.spec

- - DOCKER\_SERVER=docker.io

- # - DOCKER\_SERVER=quay.io

+ # - DOCKER\_SERVER=docker.io

+ - DOCKER\_SERVER=quay.io

# Git repository

- REPO=multiarch/qemu-user-static

# Container repository

- - DOCKER\_REPO=$DOCKER\_SERVER/multiarch/qemu-user-static

- # - DOCKER\_REPO=$DOCKER\_SERVER/your\_username/qemu-user-static

+ # - DOCKER\_REPO=$DOCKER\_SERVER/multiarch/qemu-user-static

+ - DOCKER\_REPO=$DOCKER\_SERVER/junaruga/qemu-user-static

- PACKAGE\_URI="https://kojipkgs.fedoraproject.org/packages/qemu/4.0.0/5.fc31/x86\_64/qemu-user-static-4.0.0-5.fc31.x86\_64.rpm"

- PACKAGE\_FILENAME=$(basename "$PACKAGE\_URI")

@@ -39,7 +39,7 @@ script:

- ./test.sh -d "$DOCKER\_REPO"

after\_success:

- |

- if [[ $TRAVIS\_BRANCH == 'master' && $TRAVIS\_PULL\_REQUEST == 'false' ]]; then

+ # if [[ $TRAVIS\_BRANCH == 'master' && $TRAVIS\_PULL\_REQUEST == 'false' ]]; then

docker login -u="$DOCKER\_USERNAME" -p="$DOCKER\_PASSWORD" "$DOCKER\_SERVER" && \

docker push "$DOCKER\_REPO"

- fi

+ # fi

```

7. Check Travis CI's log, and ensure the container images are created.

8. You are ready to send the pull-request!

## References

\* [1] QEMU: https://www.qemu.org/

\* [2] binfmt-misc: https://www.kernel.org/doc/html/latest/admin-guide/binfmt-misc.html