🖵 alexellis / **docker-arm**

Build Docker CE 17.07 for Stretch #13

New issue

⊘ **Open**   **alexellis** opened this issue on Aug 20 · 4 comments

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alexellis commented on Aug 20 • edited   **Owner**

We need to build and test Docker for the new Raspbian Stretch OS for Raspberry Pi:

Stretch:

https://www.raspberrypi.org/downloads/raspbian/

Docker CE packaging repo:

https://github.com/docker/docker-ce-packaging

Git clone, and `make deb`

✎ 🖼 **alexellis** changed the title from **Build Docker for Stretch** to **Build Docker CE 17.07 for Stretch** on Aug 20

🏷 🖼 **alexellis** added the `save-docker` label on Aug 20

🔖 🖼 **alexellis** referenced this issue on Aug 20

How can I help test Docker for RPi? #17   ⊘ Open

🏷 🖼 **alexellis** added `community-supports-docker` and removed `save-docker` labels on Aug 20

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jcberthon commented on Aug 20

With `make deb` for each Ubuntu variant I get this after building the Ubuntu image (here an example with Ubuntu Xenial, but applies to other as well):

```
Successfully tagged debbuild-ubuntu-xenial/armv7l:latest
docker run --rm -i \
        -e VERSION=unknown \
        -e DOCKER_GITCOMMIT= \
        -v /home/ubipi/Projects/docker-arm/docker-ce-packaging/deb/debbuild/ubuntu-
xenial:/build \
        -v /home/ubipi/Projects/docker-arm/docker-ce-packaging/../engine:/engine \
        -v /home/ubipi/Projects/docker-arm/docker-ce-packaging/../cli:/cli \
        -v /home/ubipi/Projects/docker-arm/docker-ce-packaging/deb/systemd:/root/build-
deb/systemd \
        debbuild-ubuntu-xenial/armv7l
+ set -e
+ cd engine
+ TMP_GOPATH=/go
+ bash hack/dockerfile/install-binaries.sh runc-dynamic containerd-dynamic proxy-dynamic
tini
bash: hack/dockerfile/install-binaries.sh: No such file or directory
Makefile:29: recipe for target 'ubuntu-xenial' failed
make[1]: *** [ubuntu-xenial] Error 127
```

I only cloned the repo mentionned in this issue. Am I missing an obvious step? I guess as I do not have the `../cli` and `../engine` folder!

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alexellis commented on Aug 22   **Owner**

I wonder if there is a build target for xenial.. can you see one in the packaging-ce repo?

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jcberthon commented on Aug 25

Assignees

No one assigned

Labels

`community-supports-docker`

Projects

None yet

Milestone

No milestone

Notifications

3 participants

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I can see one here: https://github.com/docker/docker-ce-packaging/blob/master/deb/ubuntu-xenial/Dockerfile.armv7l

But when I see the `docker run ...` command and if I check the paths (e.g. `/home/ubipi/Projects/docker-arm/docker-ce-packaging/../engine`) I did not checkout these projects, so the path are not existing.

I've did a quick check around and possibly I need to clone the `docker/cli` repository, but shall I clone the `moby/moby` as folder `engine`?

What I did is:

```
$ mkdir ~/Projects/docker-arm
$ cd ~/Projects/docker-arm
$ git clone https://github.com/docker/docker-ce-packaging.git
$ cd docker-ce-packaging
$ make deb
```

So of course my folder `Projects/docker-arm` only contains `docker-ce-packaging` and I'm missing at least `engine` and `cli`. But I did not find any resource pointing to what I need to clone in order to build the Docker CE packages using the docker-ce-packaging project.

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thyrlian commented on Aug 31

HW:
Raspberry Pi 2

OS:
Raspbian Stretch with Desktop (2017-08-16)
Linux raspberrypi 4.9.41-v7+ #1023 SMP Tue Aug 8 16:00:15 BST 2017 armv7l GNU/Linux

Logs:

```
for p in ubuntu-zesty ubuntu-xenial ubuntu-trusty debian-stretch debian-wheezy debian-
jessie raspbian-stretch raspbian-jessie; do \
        make -C deb VERSION=unknown ENGINE_DIR=/home/pi/workspace/docker-ce-
packaging/../engine CLI_DIR=/home/pi/workspace/docker-ce-packaging/../cli ${p}; \
done
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
docker build -t debbuild-ubuntu-zesty/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/ubuntu-zesty/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:53: recipe for target 'ubuntu-zesty' failed
make[1]: *** [ubuntu-zesty] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
docker build -t debbuild-ubuntu-xenial/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/ubuntu-xenial/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:29: recipe for target 'ubuntu-xenial' failed
make[1]: *** [ubuntu-xenial] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
docker build -t debbuild-ubuntu-trusty/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/ubuntu-trusty/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:41: recipe for target 'ubuntu-trusty' failed
make[1]: *** [ubuntu-trusty] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
docker build -t debbuild-debian-stretch/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/debian-stretch/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:77: recipe for target 'debian-stretch' failed
make[1]: *** [debian-stretch] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
```

```
docker build -t debbuild-debian-wheezy/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/debian-wheezy/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:89: recipe for target 'debian-wheezy' failed
make[1]: *** [debian-wheezy] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
docker build -t debbuild-debian-jessie/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/debian-jessie/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:65: recipe for target 'debian-jessie' failed
make[1]: *** [debian-jessie] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
docker build -t debbuild-raspbian-stretch/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/raspbian-stretch/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:113: recipe for target 'raspbian-stretch' failed
make[1]: *** [raspbian-stretch] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
make[1]: Entering directory '/home/pi/workspace/docker-ce-packaging/deb'
/bin/bash: line 0: cd: /home/pi/workspace/docker-ce-packaging/../engine: No such file or
directory
docker build -t debbuild-raspbian-jessie/armv7l -f /home/pi/workspace/docker-ce-
packaging/deb/raspbian-jessie/Dockerfile.armv7l .
/bin/bash: docker: command not found
Makefile:101: recipe for target 'raspbian-jessie' failed
make[1]: *** [raspbian-jessie] Error 127
make[1]: Leaving directory '/home/pi/workspace/docker-ce-packaging/deb'
Makefile:25: recipe for target 'deb' failed
make: *** [deb] Error 2
```

Basically could not find `engine` or `docker` .

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