libretools - Bug #1234

[librechroot] `librechroot -A armv7h make` aborts during `locale-gen`

2017-03-17 02:54 AM - isacdaavid

Status:	fixed	**% Done:**	100%
Priority:	broken		
Assignee:			
Category:	ARM on x86		

Description

```
$ sudo librechroot -A armv7h -n armv7h make

[...]
:: Running post-transaction hooks...
[...]
Generating locales...
  en_US.UTF-8...localedef: ../sysdeps/unix/sysv/linux/spawni.c:360: __spawnix: Assertion `ec >= 0'
 failed.
qemu: uncaught target signal 6 (Aborted) - core dumped
/usr/bin/locale-gen: line 41:    27 Aborted                 (core dumped) localedef -i $input -c -
f $charset -A /usr/share/locale/locale.alias $locale
```

The problem isn't specific to librechroot, I have confirmed it in 2 machines by running locale-gen inside a chroot not made by librechroot. However it prevents everything after locale-gen from occurring, with awful consequences for libremakepkg:

```
$ sudo libremakepkg -n armv7h

[...]
==> Starting to build the package...
 |  /usr/bin/cp: cannot stat '/repo/repo.db': No such file or directory
 |  ==> Checking runtime dependencies...
 |  warning: database file for 'repo' does not exist
 |  ==> Installing missing dependencies...
 |  warning: database file for 'repo' does not exist
 |  error: failed to prepare transaction (could not find database)
 |  ==> ERROR: 'pacman' failed to install missing dependencies.
==> Copying log and package files out of the chroot...
```

History

#1 - 2017-03-24 04:46 AM - isacdaavid

upstream report https://bugs.launchpad.net/qemu/+bug/1673976

#2 - 2017-05-06 03:31 AM - lukeshu

- Target version set to Better ARM support

#3 - 2017-05-07 08:46 AM - oaken-source

A workaround for the failing locale-gen call is running in the chroot:

```
# gunzip --keep /usr/share/i18n/charmaps/UTF-8.gz
```

afterwards, locale-gen succeeds:

```
# locale-gen
Generating locales...
  en_US.UTF-8... done
  de_DE.UTF-8... done
Generation complete.
```

Now, is there any way that I can take this to a working chroot? what other steps are required?

#4 - 2017-05-07 06:15 PM - isacdaavid

oaken-source wrote:

Now, is there any way that I can take this to a working chroot? what other steps are required?

Last time I checked just touching an empty `/repo/repo.db` was able to do the trick.

#5 - 2017-05-07 07:32 PM - oaken-source

yes, this appears to work. thank you!

#6 - 2017-10-24 03:30 AM - lukeshu

I wonder if this is "caused" by librechroot **not** calling setarch before calling mkarchroot; in contrast with Arch's archbuild, which **does** call setarch on mkarchroot.

#7 - 2017-10-24 06:48 AM - lukeshu

Upon further reflection, that was a dumb thought. We **can't** call setarch to ARM from x86; how could not calling it be the issue?

#8 - 2018-04-08 02:28 AM - lukeshu

- % Done changed from 0 to 100

- Status changed from open to fixed

This is fixed in current versions of things. I don't know what was causing it.