

## Packages - Bug #3584

### armv7h packages fail to install - signing key is "unknown trust"

2024-02-16 01:30 AM - GNUtoo

<b>Status:</b> forwarded upstream	<b>% Done:</b> 0%
<b>Priority:</b> bug	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Description</b> In <a href="https://repo.parabola.nu/sources/parabola/">https://repo.parabola.nu/sources/parabola/</a> there is no archlinuxarm-keyring-20140119.tar.gz, though there are other packages in libre like hyperbola-keyring.  Unfortunately that source file is not upstream anymore either and Arch Linux ARM doesn't seem to have upgraded its keyring.  So I don't know what to do here.	

#### History

##### #1 - 2024-02-16 02:32 AM - bill-auger

what are you trying to do? - you want to rebuild the keyring?

if you are having trouble installing packages, every archarm user has that problem now - rebuilding the keyring probably wont help

<Danct12> greets all, looks like the key used for signing packages are rejected by default in newer version of gnupg  
<Xogium> we're aware of this for a few weeks now unfortunately, but it hasn't been fixed  
<Xogium> the keyring package is literally 10 years old  
<bill-auger> is there a bug report about that? - does anyone know the cause of the problem or the fix ?  
<Xogium> bill-auger: I **think** that one of the maintainer went away, so now the trust asks for 3 signatures, but all packages get only two  
<bill-auger> i suppose by "went away" you mean the key expired - in order for a key to literally go away, the keyring package would need to change  
<Xogium> yes it probably expired  
<Xogium> now all the packages have only two people signing them  
<Xogium> and the keyring/trust still asks for 3

there is a discussion on the forum - it may be possible to rollback gnupg, or set the current version to 'allow-weak-key-signatures' - both fixes are explained on the forum

<https://archlinuxarm.org/forum/viewtopic.php?f=15&t=16701>

##### #2 - 2024-02-17 03:23 PM - bill-auger

- Status changed from unconfirmed to confirmed

- Subject changed from Source code of at least libre/archlinuxarm-keyring is missing in the mirrors to armv7h packages fail to install - signing key is "unknown trust"

##### #3 - 2024-02-25 07:00 PM - bill-auger

- Status changed from confirmed to forwarded upstream

##### #4 - 2024-02-27 05:37 PM - lukeshu

IMO, what we should do is patch libre/pacman on ARM so that /usr/bin/pacman-key creates /etc/pacman.d/gnupg/gpg.conf with allow-weak-key-signatures.

##### #5 - 2024-02-27 09:22 PM - lukeshu

Chiming in to confirm that running

```
mkdir -p -- /etc/pacman.d/gnupg
echo allow-weak-key-signatures >>/etc/pacman.d/gnupg/gpg.conf
```

before pacman-key --init works around the issue.

##### #6 - 2024-02-27 11:07 PM - bill-auger

before `pacman-key --init` works around the issue.

that means every user would need to run ``pacman-key --init && pacman-key --populate``; so they may as well modify `gpg.conf` themselves at the same time - there must be a better way (a way which does not require user-intervention)

would the `gpg.conf` setting work if the keyring package is simply re-installed?

because a simpler solution (one which would not require user-intervention) would be to rollback 'gnupg' until archarm fixes their own bug

**#7 - 2024-03-06 10:00 PM - lukeshu**

every user would need to run `pacman-key --init && pacman-key --populate`

Isn't that already the case?

AFAIK, this only affects new installs; old keyrings are still valid. New installs have a keyring created by one of 3 ways:

1. pacstrap copies it from the host (default, unless `-G` or `-K`)
2. pacstrap `-K` runs `pacman-key --init` and then alpm hooks run `pacman-key --populate` when pacstrap installs the keyring packages
3. pacstrap `-G` leaves the keyring uninitialized, and then the user (or, in the case of archiso, a boot-script) runs ``pacman-key --init && pacman-key --populate``