

# Handling "apt-key is deprecated. Manage keyring files in trusted.gpg.d instead"

## You have already added the key in /etc/apt/trusted.gpg file

In this case, list the keys with this command: `sudo apt-key list` There should be a way to identify the repository. You should have its name or developers name.

In my case, I am handling the Spotify repository: `<code bash> abhishek@itsfoss:~$ sudo apt-key list`  
[sudo] password for abhishek: Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)). /etc/apt/trusted.gpg

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```
pub rsa4096 2021-10-27 [SC] [expires: 2023-01-20]
```

```
F9A2 1197 6ED6 62F0 0E59 361E 5E3C 45D7 B312 C643
```

uid [ unknown] Spotify Public Repository Signing Key `tux@spotify.com` `</code` Copy the last 8 characters of the second line under pub. In my case, it is B312 C643. You'll have to remove the space between the numbers and use it like this: `sudo apt-key export B312C643 | sudo gpg --dearmour -o /etc/apt/trusted.gpg.d/spotify.gpg` The output file could be named anything but it is better to use a name that is associated with the package or repository.

The gpg `--dearmour` part is important because the mechanism expects you to have the keys in binary format.

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