
Apt lockfiles

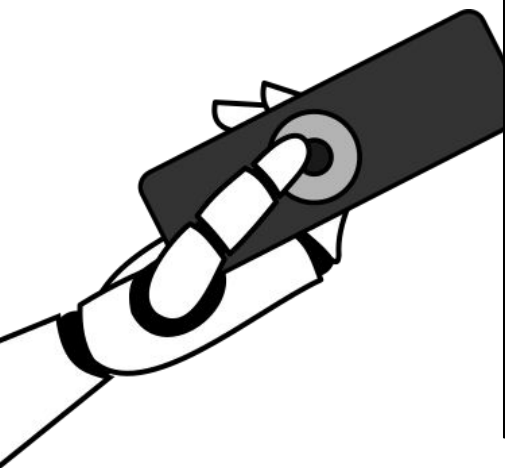
William Manley - stb-tester.com



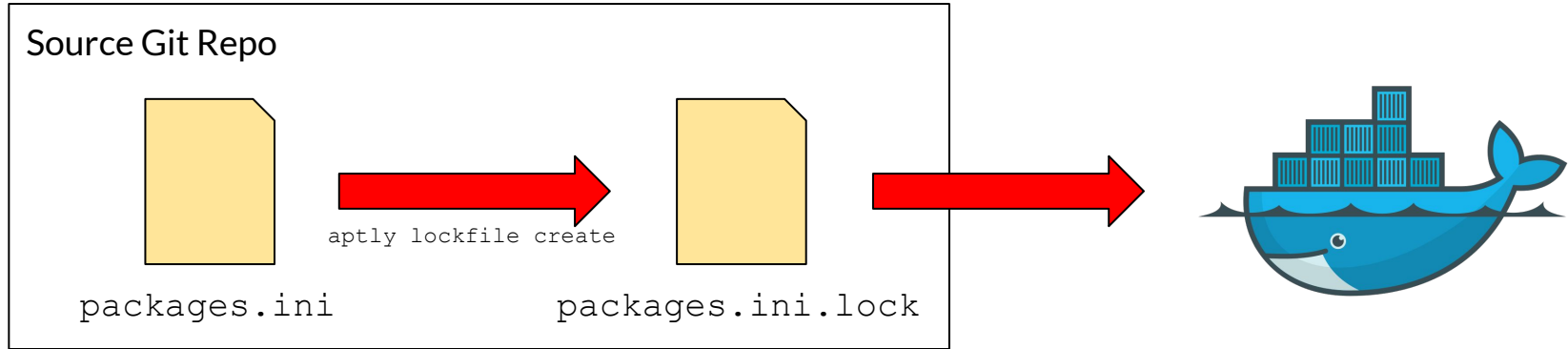
Dockerfile

```
FROM ubuntu:18.04

RUN apt update && \
    apt install -y \
        git \
        nginx
```



Solution: Lockfiles

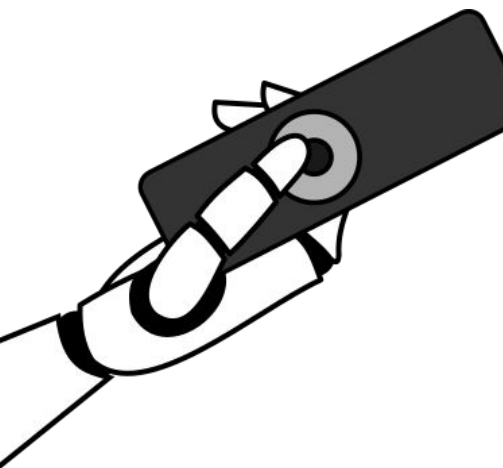


packages.ini

```
[General]
arch=armhf
aptsources=Ubuntu

[Ubuntu]
packages=git nginx systemd
suite=xenial
```

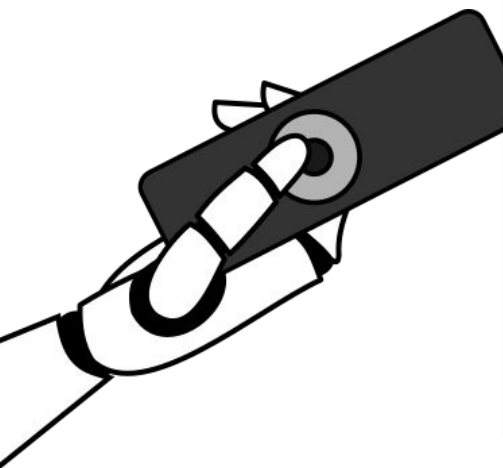
List of packages
to install



packages.ini.lock

```
...
Package: coreutils
Essential: yes
Priority: required
Section: utils
Installed-Size: 4604
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@lists.ubuntu.com>
Original-Maintainer: Michael Stone <mstone@debian.org>
Architecture: armhf
Version: 8.25-2ubuntu2
Replaces: mktemp, realpath, timeout
Pre-Depends: libacl1 (>= 2.2.51-8), libattr1 (>= 1:2.4.46-8), libc6 (>= 2.17), libselinux1 (>= 2.1.13)
Conflicts: timeout
Filename: pool/main/c/coreutils/coreutils_8.25-2ubuntu2_armhf.deb
Size: 1076464
MD5sum: 20f38cd0087888833c2a3a7ad86f0e67
SHA1: 890b75358d13d4a8d5e641c1e5250b8b933f5134
SHA256: bd286a2bcaafd7e1f4e65ff91a2499d2c6d9fab72d6d58147eacfb7075d1e28
Description: GNU core utilities
Bugs: https://bugs.launchpad.net/ubuntu/+filebug
Description-Md5: d0d975dec3625409d24be1238cede238
Homepage: http://gnu.org/software/coreutils
Multi-Arch: foreign
Origin: Ubuntu
Supported: 9m
Task: minimal

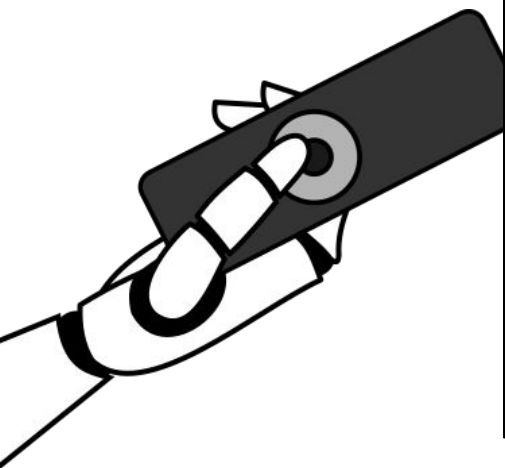
Package: dash
Essential: yes
Priority: required
Section: shells
...
```



Dockerfile fixed

```
FROM ubuntu:18.04

ADD aptly packages.ini.lock /
RUN /aptly lockfile install /packages.ini.lock
```



CI Integration

Update lockfiles nightly

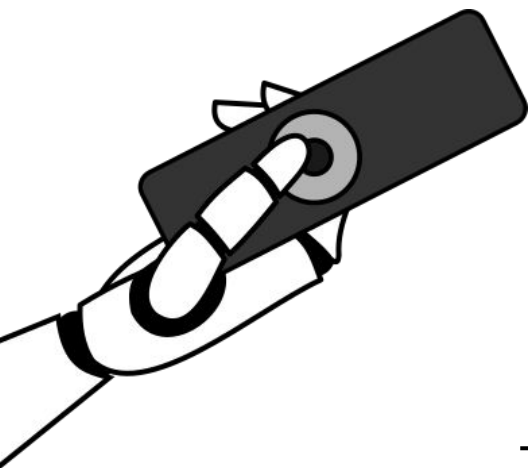
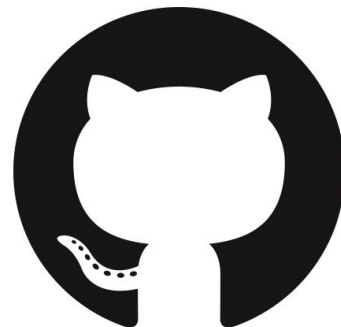


Builds and tests new
images

Push if changed



New commit



Status: WFM

<https://github.com/stb-tester/aptly/tree/lockfile>

<https://github.com/stb-tester/apt2ostree>