

Replicant - Dependencies - # 69

Dependencies

Stub

This page is a stub, feel free to improve it

Replicant 6.0

Dependency	Working version	Potentially compatible versions	Debian 9	Guix	PureOS	Parabola	Trisquel 7	Trisquel 8	Trisquel 9 ¹
Android SDK: API Level 23 (Android 6)	* android-sdk(25.0.0) * android-sdk-platform-23(6.0.1)	?	OK	Absent (NDK only as October 2018)	OK	Absent as October 2018	?	* android-sdk(24.3.3) * no android-sdk-platform-23 (why? needed?)	?
gcc	* gcc(6.3.0)	?	OK: gcc(6.3.0)	OK: gcc 4-9, with gcc-5 the default	OK: gcc-6(6.4.0)	?	?	* gcc-5 * gcc-4.9 * gcc-4.8 * gcc-4.7	?
Java (jdk and jre)	* openjdk-8-jdk * openjdk-8-jre	7	OK: openjdk 8	OK: Icedtea 1-3 (=OpenJDK 6-7), OpenJDK 9-11	OK: openjdk 8	openjdk 7, 8, 10	7, 8	8, 9	?
i686 packages feed support	* zlib1g-dev:i386	?	OK	?	No 32bit packages	?	?	?	?
32bit libc	* libc6-dev-i386 * libc6-i386	?	OK	OK: glibc defined in gnu/packages/base.scm	OK	?	?	?	?
lib32 packages	* lib32z1-dev * lib32readline-dev * lib32ncurses5-dev	?	OK	?	OK	?	?	?	?
?	libemma-java	?	OK	?	missing package (why?)	?	?	?	?
?	* libandroidsdk-ddmlib-java * libandroidsdk-sdclib-j	?	OK	?	missing package (why?)	?	?	?	?

	ava								
?	libgradle-android-plugin-java:2.2.2-1	?	OK	?	?	Missing	Missing	Missing	?
Status			Working but not FSDG compliant	No SDK (NDK only)	Few missing packages	No SDK, no NDK	Based on Ubuntu 14.04 which can build AOSP 6	The toolchain builds with lots of hacks	?

¹[Trisquel 9 Pre-built Images](#)

AOSP 6.0

Dependency	Version	Providers
Java	7.0	Debian 9
GNU/Linux distribution	Ubuntu 14.04	Trisquel 7.0

Distributions

Debian 9 packages versions

[Debian 'build' dependencies:](#)

Dependency	Version
gcc	
binutils	
llvm-defaults	

[Debian dependencies:](#)

Dependency	Version
gcc-arm-none-eabi	
cmake	
python-dev	
swig	
ant	
bc	
proguard	
maven-debian-helper	
libemma-java	
libasm4-java	
libguava-java	
libnb-platform18-java	
libnb-org-openide-util-java	
libandroidsdk-ddmlib-java	
libmaven-source-plugin-java	
libfreemarker-java	
libmaven-javadoc-plugin-java	
ca-cacert	
curl	

gawk	
libgmp3-dev	
libmpfr-dev	
libmpc-dev	
git-core	
gperf	
libncurses-dev	
squashfs-tools	
pngcrush	
zip	
zlib1g-dev	
lzma	
libc6-dev-i386	
g++-multilib	
lib32z1-dev	
lib32readline-dev	
lib32ncurses5-dev	
zlib1g-dev:i386	
xsltproc	
python-mako	
schedtool	
gradle	
dirmngr	
libandroidsdk-sdklib-java	
eclipse-jdt	
libgradle-android-plugin-java	2.2.2-1
android-sdk-build-tools	
android-sdk-platform-23	
aapt	
lzop	

Gradle

TODO:

- Does [Gradle](#) depends on gradle for being able to built Android¹?
- Does gradle or other dependencies really depends on scala?
- if so where are the efforts to build scala without scala?

Answers from a Guix perspective:

- Julien Lepiller is mainly working on bringing Gradle/Scala into Guix. [In his Guix development project](#) he writes that Gradle depends on Scala/SBT without mentioning the exact blocker.
- Scala depends on Scala to bootstrap. If you go down the long bootstrap chain you will end up at [Pizza](#). It is unsure if you can successfully bootstrap Scala from Pizza from Java.
- Julien wrote [this blog post](#) (French) about the whole Android/Scala/Kotlin bootstrapping problem.
- [Scabo](#) is The Scala Bootstrapping Project, Julien's attempt to bootstrap Scala from Java.
- Scala 3.0 will be the new [Dotty project](#), see also [this blog post](#). I have not investigated if this project cleans up bootstrapping or will make it worse.

¹[A debian build log of gradle](#) "Merged Build-Depends: [...] gradle (>= 3.4)[...]"

References

- <https://source.android.com/setup/build/older-versions>
- <https://source.android.com/setup/build/requirements>