

Replicant 6.0 build dependencies installation

Replicant can only be built on 64 bit x86 architectures, building on 32 bit x86 systems is no longer supported.
However, some prebuilt tools are still 32 bit x86 executables and some host tools are generated as 32 bit x86 executables.

It is recommended to have at least 4GB of RAM available.

Debian-based systems

Debian 9

Packages installation:

```
dpkg --add-architecture i386 ; apt-get update
apt-get build-dep gcc binutils llvm-defaults
apt-get install bash gcc-arm-none-eabi cmake python-dev swig ant bc proguard maven-debian-helper l
ibemma-java libasm4-java libguava-java libnb-platform18-java libnb-org-openide-util-java libandroi
dsdk-ddmlib-java libmaven-source-plugin-java libfreemarker-java libmaven-javadoc-plugin-java ca-ca
cert curl gawk libgmp3-dev libmpfr-dev libmpc-dev git-core gperf libncurses-dev squashfs-tools png
crush 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 eclips
e-jdt libgradle-android-plugin-java android-sdk-build-tools android-sdk-platform-23 aapt lzop rsyn
c
```

As repo tend to update itself (by downloading a new version of repo and running it) and that newer versions of repos also require newer versions of python, it doesn't work anymore on Debian 9 (stretch).

To work around that, we also released [a version of repo that is self-contained](#) . Make sure to read the README for installation instructions. The README content is also signed with gpg (by [Denis 'GNUtoo' Carikli](#), who at the time of writing did the last Replicant 6 Release Candidates).

In addition you also need to workaround some issues with Debian 9 (stretch) with the path of grep, sed, and mkdir that prevent building the toolchain. See the [/usr/bin/grep, /usr/bin/sed, /usr/bin/mkdir: No such file or directory](#) section for how to do that.