How To Install

by Dieselnutjob

[ref http://www.pscan.eu/dev/lamw_howto.zip]

Target PC: Windows 10 Home Edition 64 bit
Note that all programs installed below are 32 bit, hence Program Files (x86)

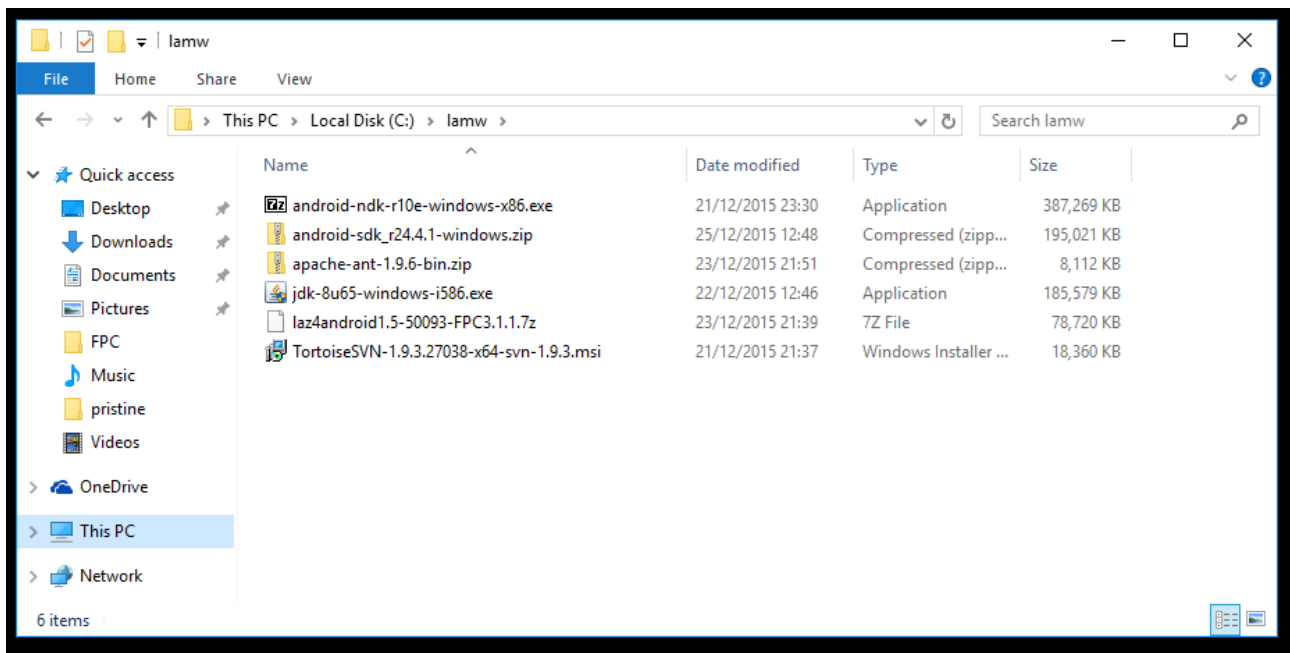1. create C:\lamw

2. put following into C:\lamw
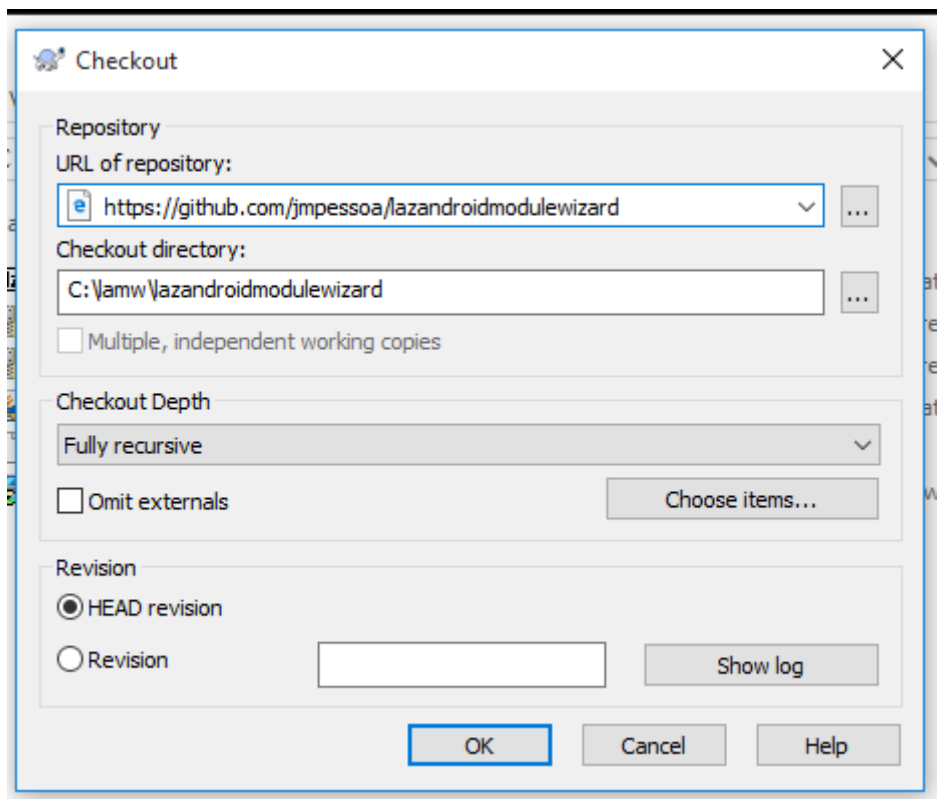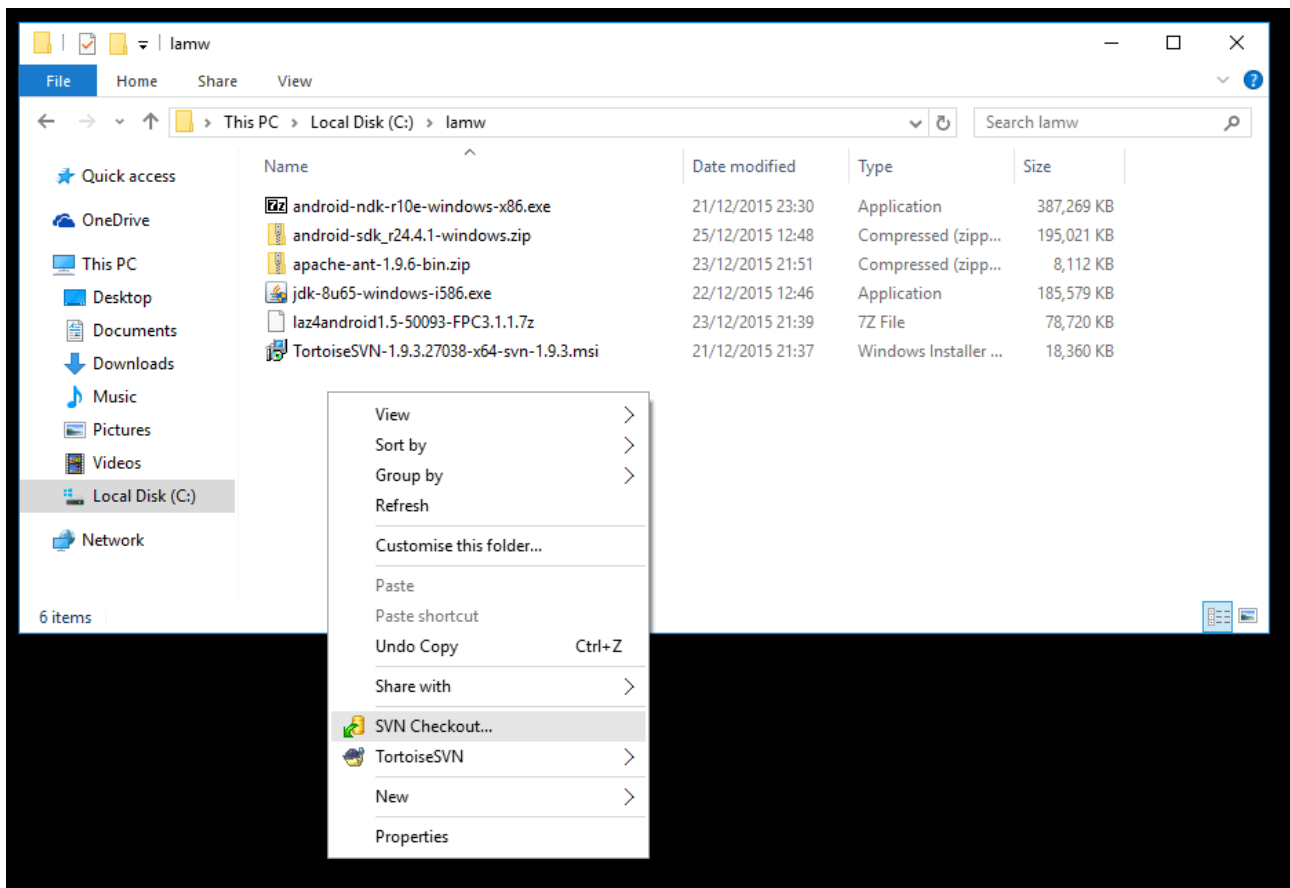android-ndk-r10e-windows-x86.exe
android-sdk_r24.4.1-windows.zip
apache-ant-1.9.6-bin.zip
jdk-8u65-windows-i586.exe
lazandroid1.5-50093-FPC3.1.1.7z
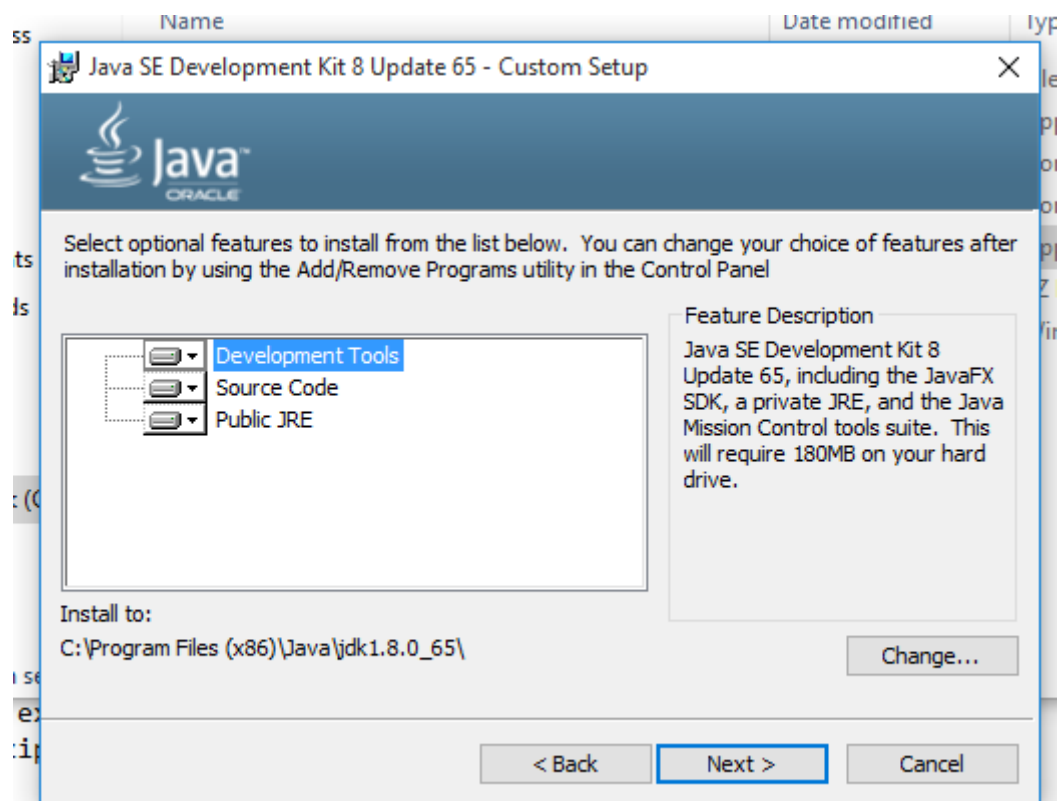

3. use Tortoise SVN to download https://github.com/jmpessoa/lazandroidmodulewizard to
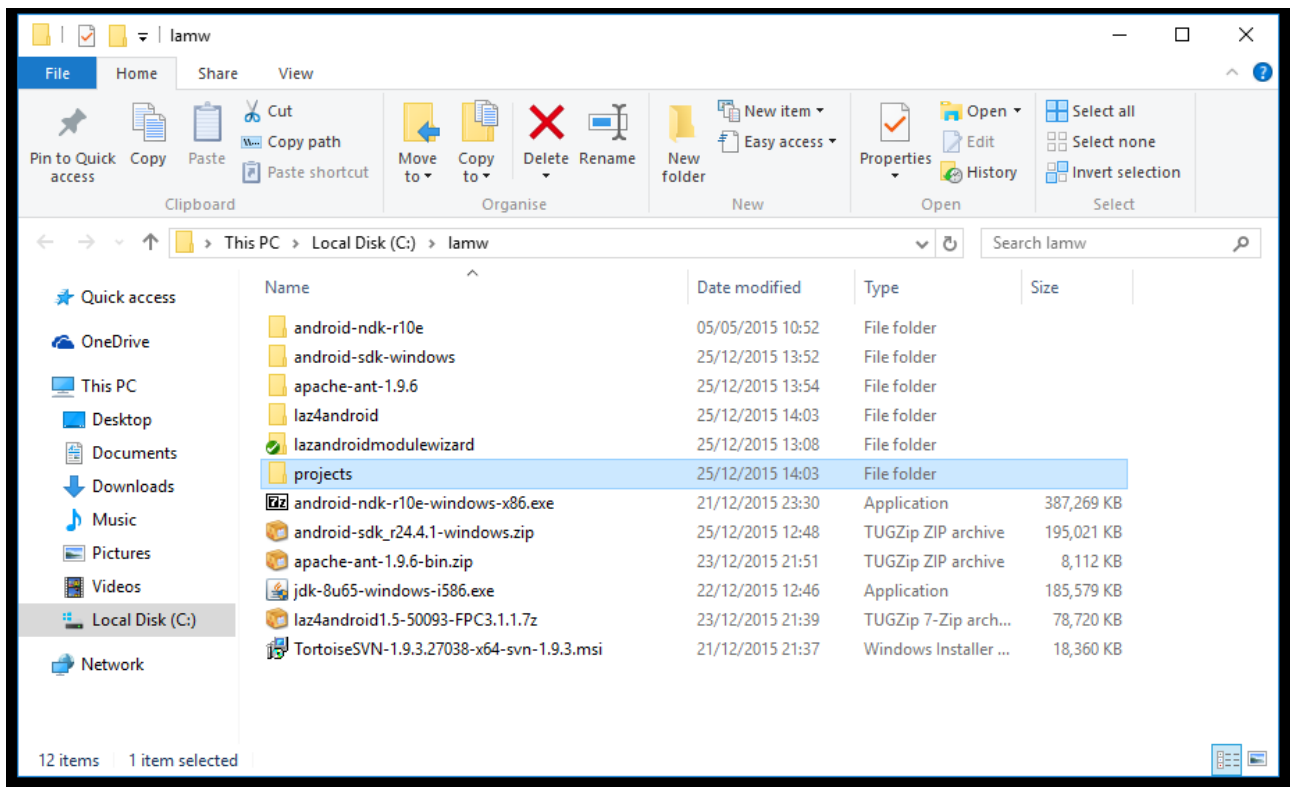C:\lamw\lazandroidmodulewizard

4. install jdk-8u65-windows-i586.exe to C:\Program Files (x86)\Java\jdk1.8.0_65\

5. run android-ndk-r10e-windows-x86.exe

6. extract android-sdk_r24.4.1-windows.zip to C:\lamw

7. extract apache-ant-1.9.6 to C:\lamw

8. extract lazandroid1.5-50093-FPC3.1.1.7z to C:\lamw

9. create C:\lamw\projects

Folder should look like this:-

10. run C:\lamw\android-sdk-windows\SDK Manager.exe
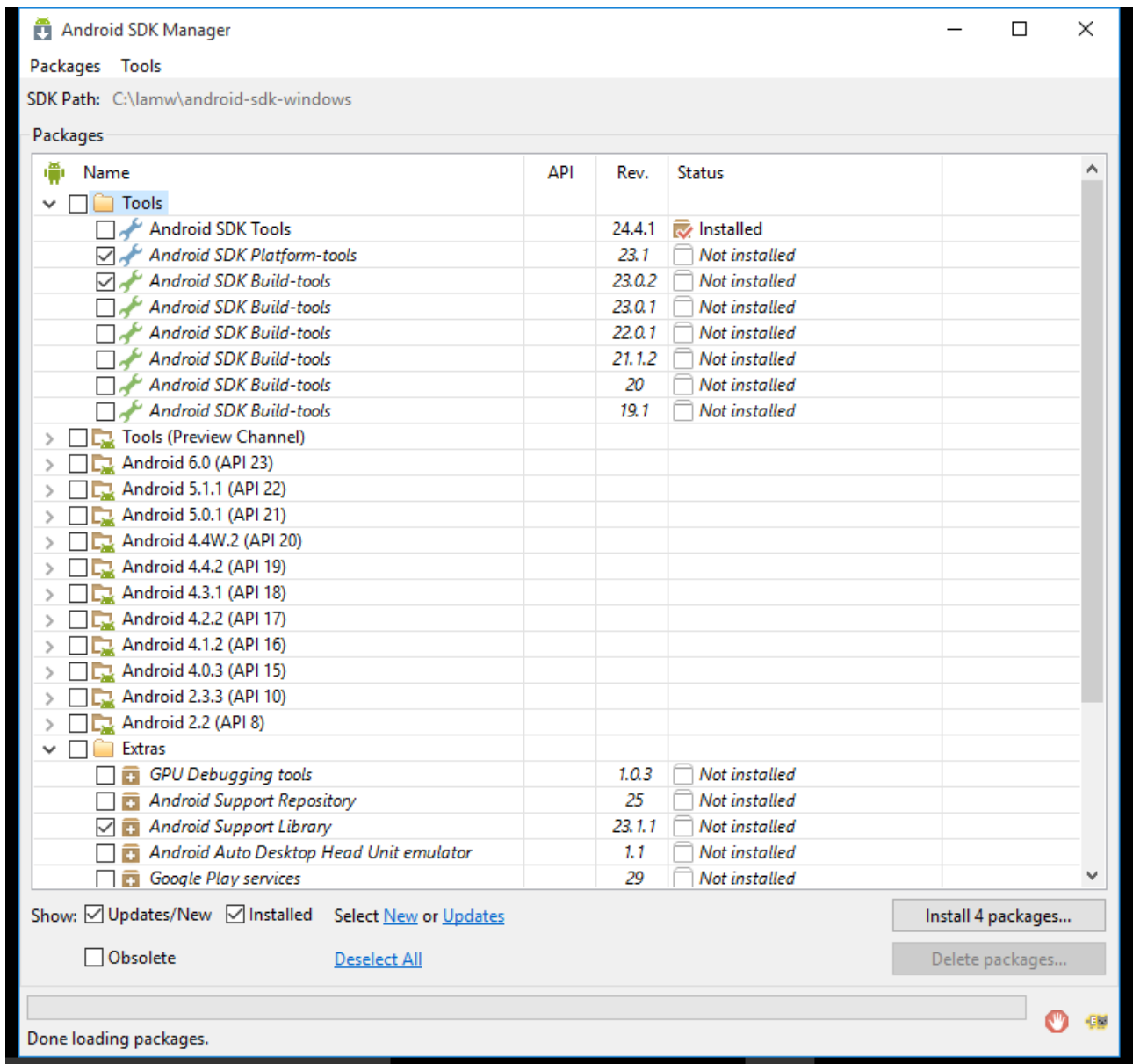deselect Android 6.0 (API 23)
select Android SDK Platform-tools
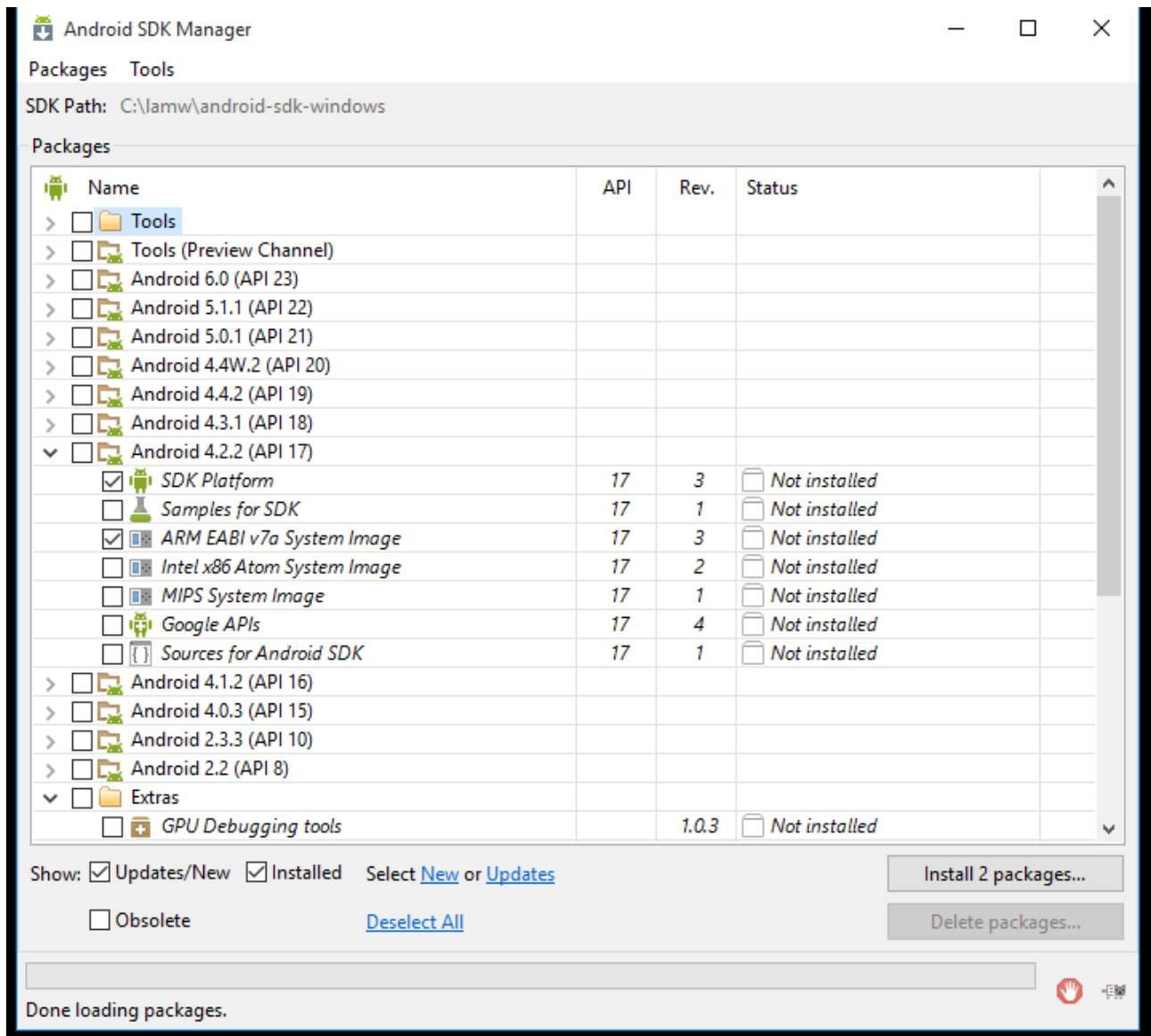select Android SDK Build-tools
select Android Support Library
select Google USB Driver
click Install 4 packages

Accept license and click Install
wait for downloads to finish
Exit SDK Manager
Run SDK Manager again
deselect Android 6.0 (API 23)
expand Android 4.2.2 (API 17)
select SDK Platfrom
select ARM EABI v7a System Image
click Install 2 packages

Accept license and click Install
wait for downloads to finish
Exit SDK manager

11. run cmd
cd \lamw\laz4android
build.bat
wait.…

12. run C:\lamw\laz4android\startlazarus.exe
Start IDE
Package -> Open package file (.lpk)
select C:\lamw\lazandroidmodulewizard\trunk\tfpandroidbridge_pack.lpk
Compile
Use>> Install
Do you want to rebuid Lazarus now? Yes
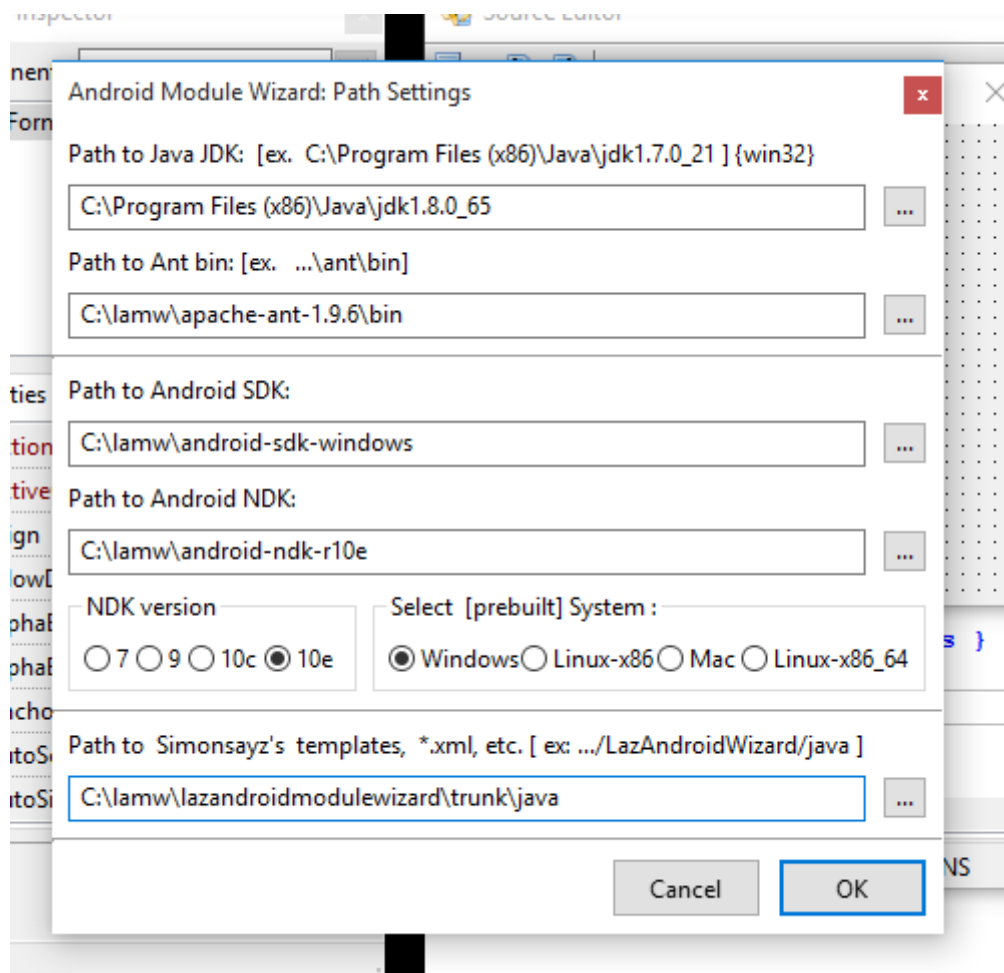Save changed files? No
Lazarus will restart
Package -> Open package file (.lpk)
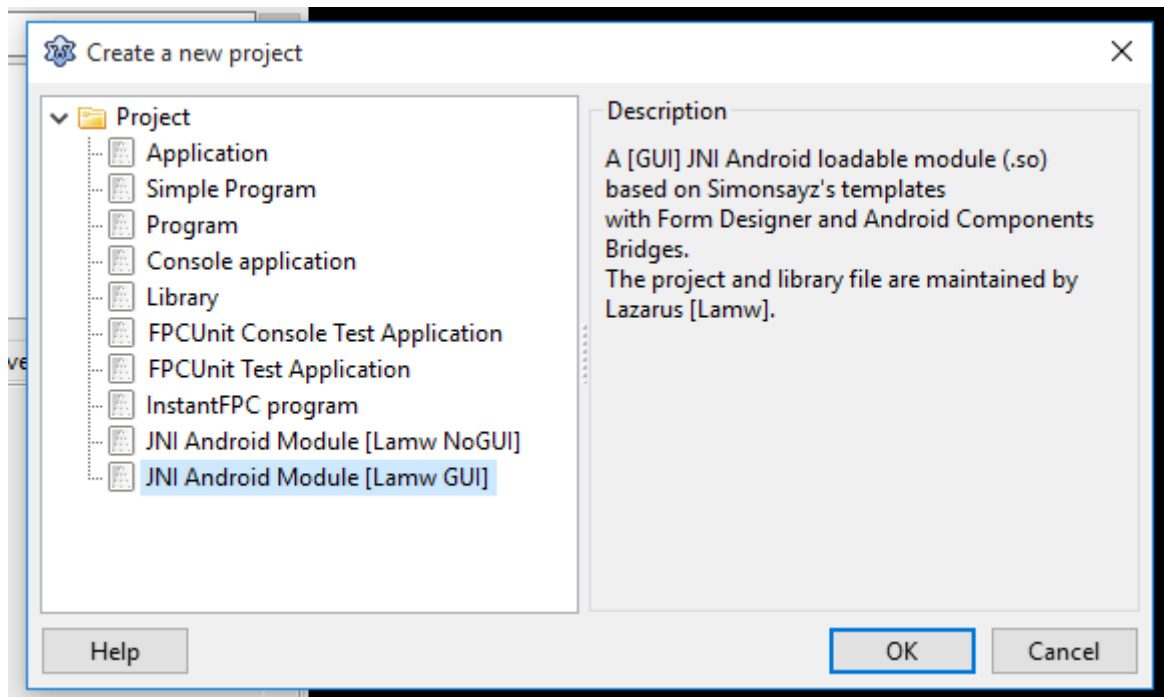select C:\lamw\lazandroidmodulewizard\trunk\lazandroidwizardpack.lpk
Compile
Use>> Install

Do you want to rebuid Lazarus now? Yes
Save changed files? No
Lazarus will restart
Package -> Open package file (.lpk)
select C:\lamw\lazandroidmodulewizard\trunk\ide_tools\amw_ide_tools.lpk
Compile
Use>> Install
Do you want to rebuid Lazarus now? Yes
Save changed files? No
Lazarus will restart
13. Tools -> [LAMW] Android Module Wizard -> Path settings
Path to Java JDK: C:\Program Files (x86)\Java\jdk1.8.0_65
Path to Ant bin: C:\lamw\apache-ant-1.9.6\bin
Path to Android SDK: C:\lamw\apache-ant-1.9.6\bin
Path to Android NDK: C:\lamw\android-ndk-r10e
NDK version: 10e
Path to Simonsay's templates: C:\lamw\lazandroidmodulewizard\trunk\java
OK
File -> Restart

14. Create first project
Project -> Close project
Project Wizard -> New project
JNI Android Module [Lamw GUI] OK

Path to Workspace [Projects Folder]: C:\lamw\projects
New Project Name: LamwGUIProject1
Default Package Name: org.lamw
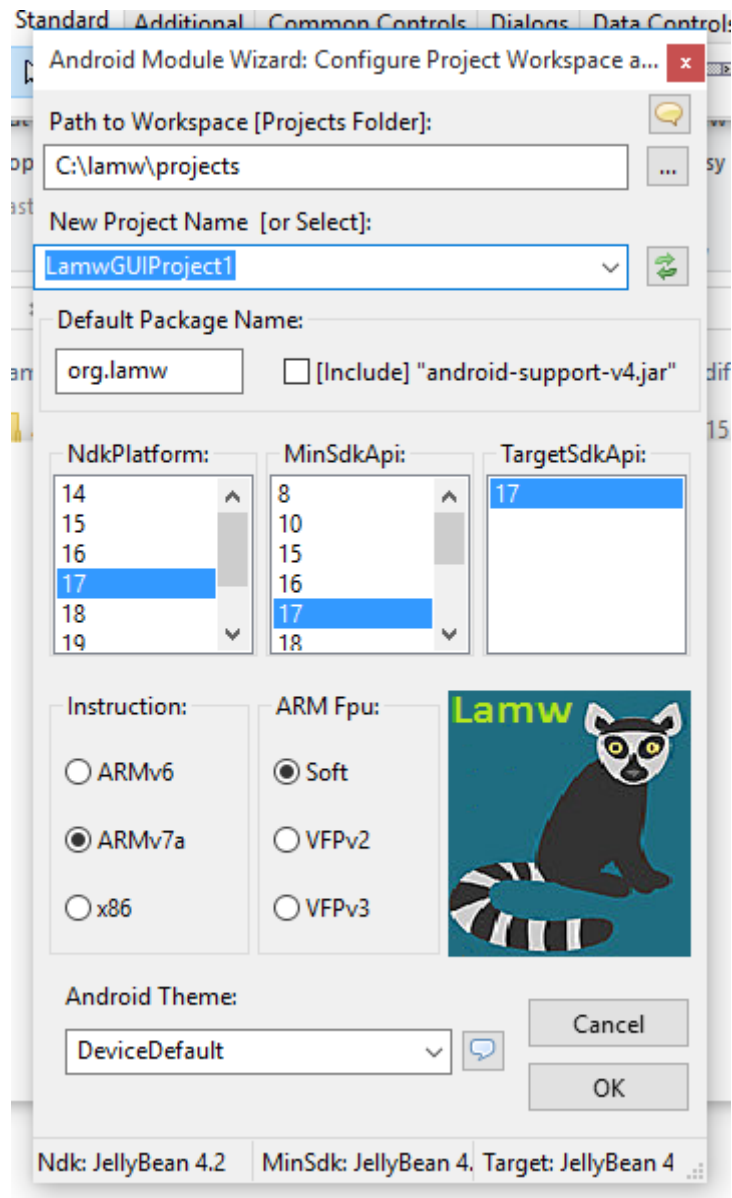Include "android-support-v4.jar": no
NDKPlatfom: 17
MinSdkAPI: 17
TargetSdkApi: 17
Instruction: ARMv7a
ARM Fpu: Soft
Android Theme: DeviceDefault

Save unit1.pas Save
Hover over any unit in uses, IDE will error
File -> Restart
Hover over any unit, IDE does not error
Drag from Android Bridge, jButton onto form
Events OnClick, double click

procedure TAndroidModule1.jButton1Click(Sender: TObject);
begin
  ShowMessage('Hello World');
end;

File -> Save All

Run -> Build
Target: C:\lamw\projects\LamwGUIProject1\libs\armeabi\libcontrol.so: Success

Run -> [Lamw] Build APK and run

Building APK...: Success

Copy C:\lamw\projects\LamwGUIProject1\bin\LamwGUIProject1-debug.apk
to phone
Install using phone file manager