

android tensor flow projects 01

prereq

bazel

```
echo "deb [arch=amd64] http://storage.googleapis.com/bazel-apt stable  
jdk1.8" | sudo tee /etc/apt/sources.list.d/bazel.list  
curl https://bazel.build/bazel-release.pub.gpg | sudo apt-key add -  
sudo apt-get update && sudo apt-get install bazel
```

tensorflow

clone github tensorflow and build

```
cd /lab  
git clone --depth 1 https://github.com/tensorflow/tensorflow.git  
tensorflow.git  
cd tensorflow.git
```

update WORKSPACE file

```
android_sdk_repository(  
    name = "androidsdk",  
    api_level = 23,  
    # Ensure that you have the build_tools_version below installed in the  
    # SDK manager as it updates periodically.  
    build_tools_version = "26.0.1",  
    # Replace with path to Android SDK on your system  
    path = "/opt/android-sdk",  
)  
#  
android_ndk_repository(  
    name="androidndk",  
    path="/opt/android-sdk/ndk-bundle",  
    # This needs to be 14 or higher to compile TensorFlow.  
    # Please specify API level to >= 21 to build for 64-bit  
    # architectures or the Android NDK will automatically select biggest  
    # API level that it supports without notice.  
    # Note that the NDK version is not the API level.  
    api_level=14)
```

```
git clone https://github.com/azainab/androidTFDetect/  
cd androidTFDetect  
# download assets from  
https://drive.google.com/file/d/0B4dPZkgiYl-SWW1TNTBpNUtKbGs/view?usp=sharin
```

```
g
cd assets
unzip ~/Scaricati/Place\ in\ assets\ folder.zip
```

import project in android studio

```
buildscript {
    repositories {
        google() // Gradle 4.0+
        maven { url "https://maven.google.com" } // Gradle < 4.0
        jcenter()
    }

    dependencies {
        classpath 'com.android.tools.build:gradle:3.0.1'
        classpath 'org.apache.httpcomponents:httpclient:4.5.2'
    }
}
```

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