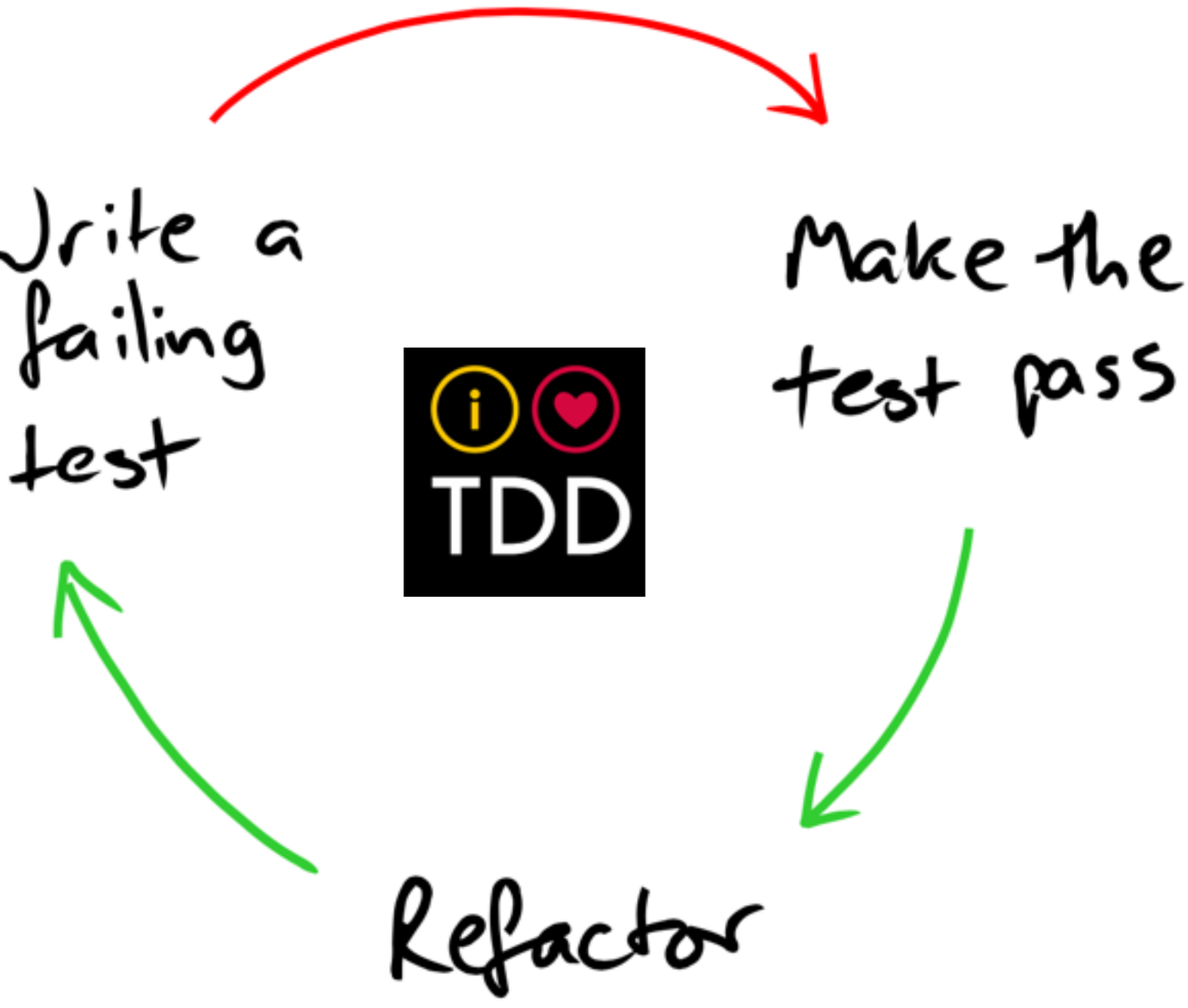
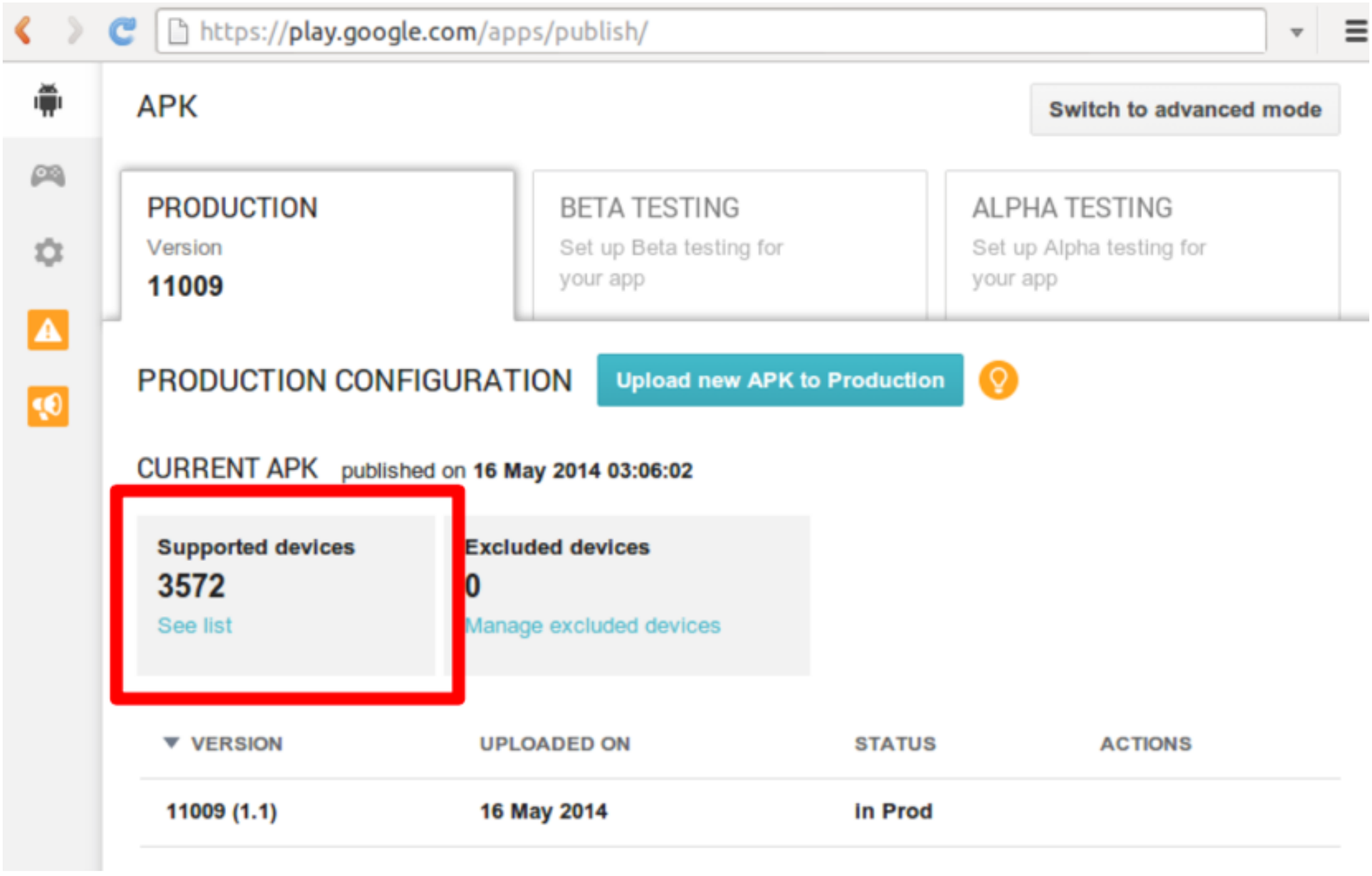
Continuous Integration



Problem


https://play.google.com/apps/publish/
APK
Switch to advanced mode
PRODUCTION
Version
11009
BETA TESTING
Set up Beta testing for your app
ALPHA TESTING
Set up Alpha testing for your app
PRODUCTION CONFIGURATION
Upload new APK to Production
CURRENT APK published on 16 May 2014 03:06:02
Supported devices
3572
See list
Excluded devices
0
Manage excluded devices
VERSION
UPLOADED ON
STATUS
ACTIONS
11009 (1.1)
16 May 2014
In Prod

Problem

What we need ?

Continuous Integration

Software development **practice**

What people do, not about what tools

Integrate frequently

Fast feedback

Jenkins

SPRINT3R

Siam Chamnankit Co., Ltd., Odd-e (Thailand) Co., Ltd. and Alliance

Jenkins

An extensible open source continuous integration server

BLOG | CONNECT | BUG TRACKER | WIKI | CI | TUTORIALS | ARCHIVES | DONATION | ABOUT

Meet Jenkins
Find out what Jenkins is and get started.

Use Jenkins
See how to get more out of your Jenkins.

Download Jenkins

Release	Long-Term Support Release

Java Web Archive (.war)

Latest and greatest (1.614)
changelog | past releases | RC

upgrading from Hudson?

Or native package

Windows

Ubuntu/Debian

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Building

SPRINT3R

Siam Chamnankit Co., Ltd., Odd-e (Thailand) Co., Ltd. and Alliance

Building Android app

Source code

JDK

Build tool

Android SDK

Building Android app

Source code

JDK

Build tool

Android SDK

Step to build

Source code

JDK

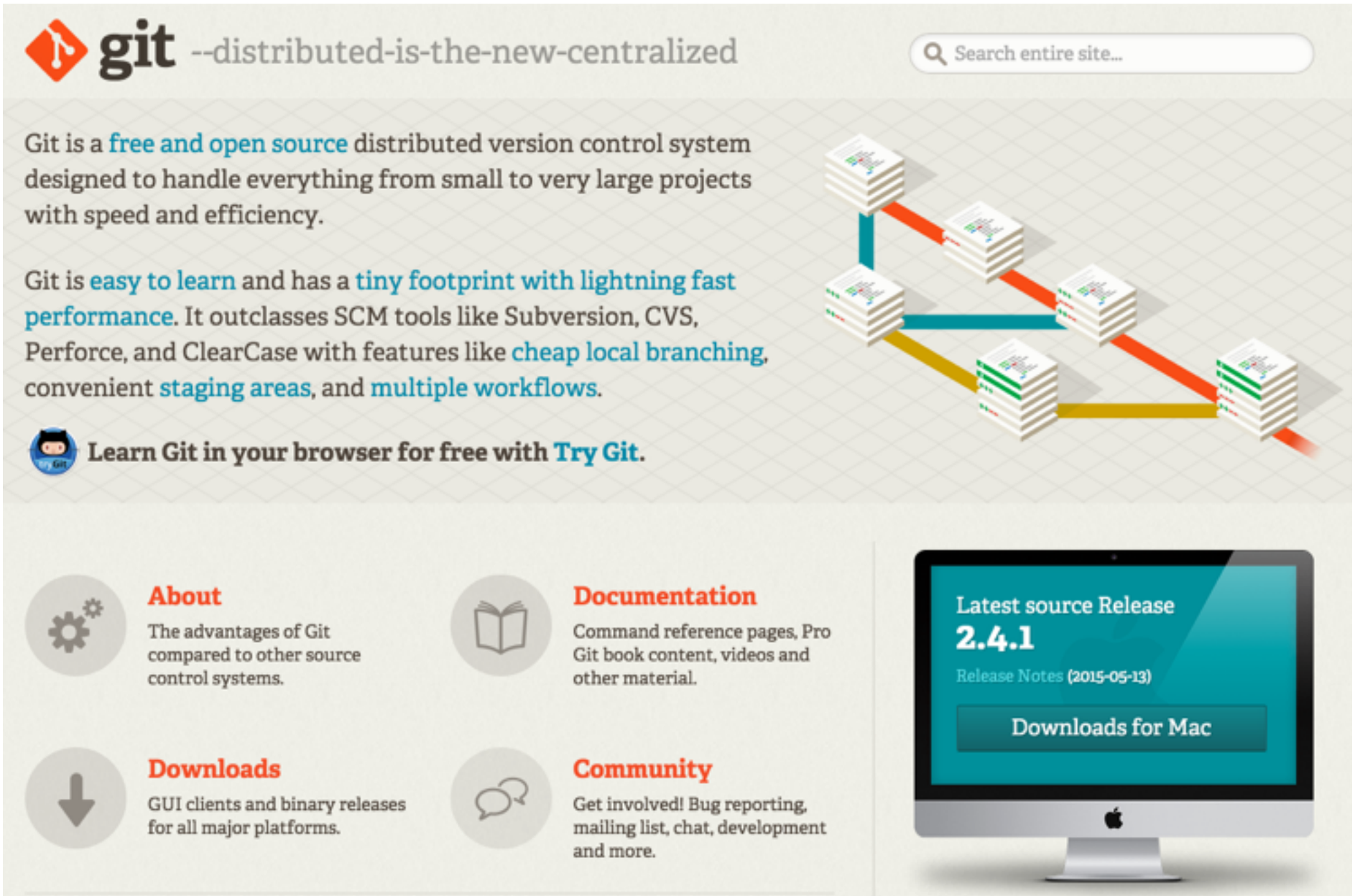
Build tool

Android SDK

Source code

Install git

https://git-scm.com/



Baby step with git

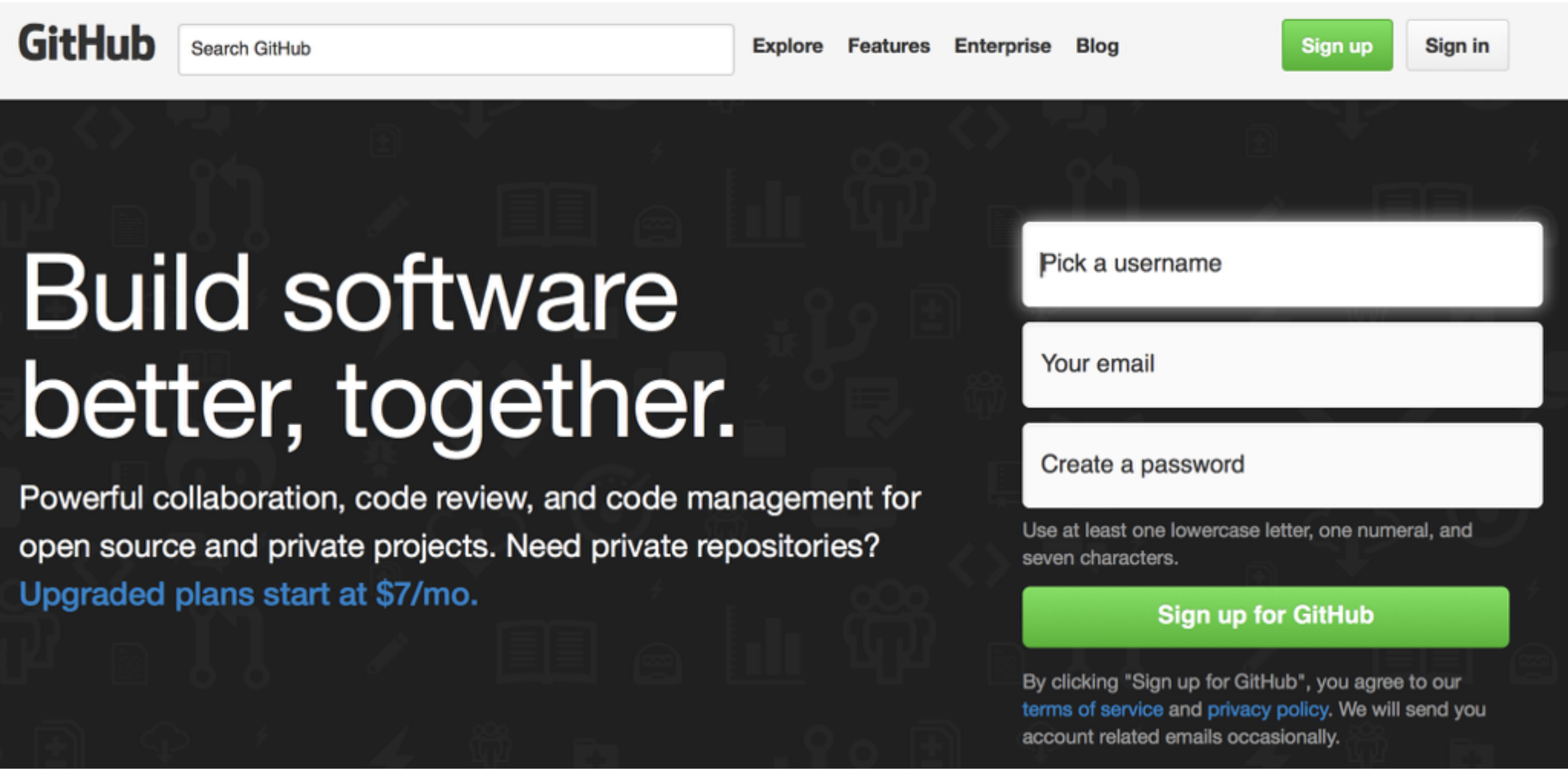
$git init

$git status

$git add

$git commit

Create account



Working with github

$git remote

$git push

$git pull

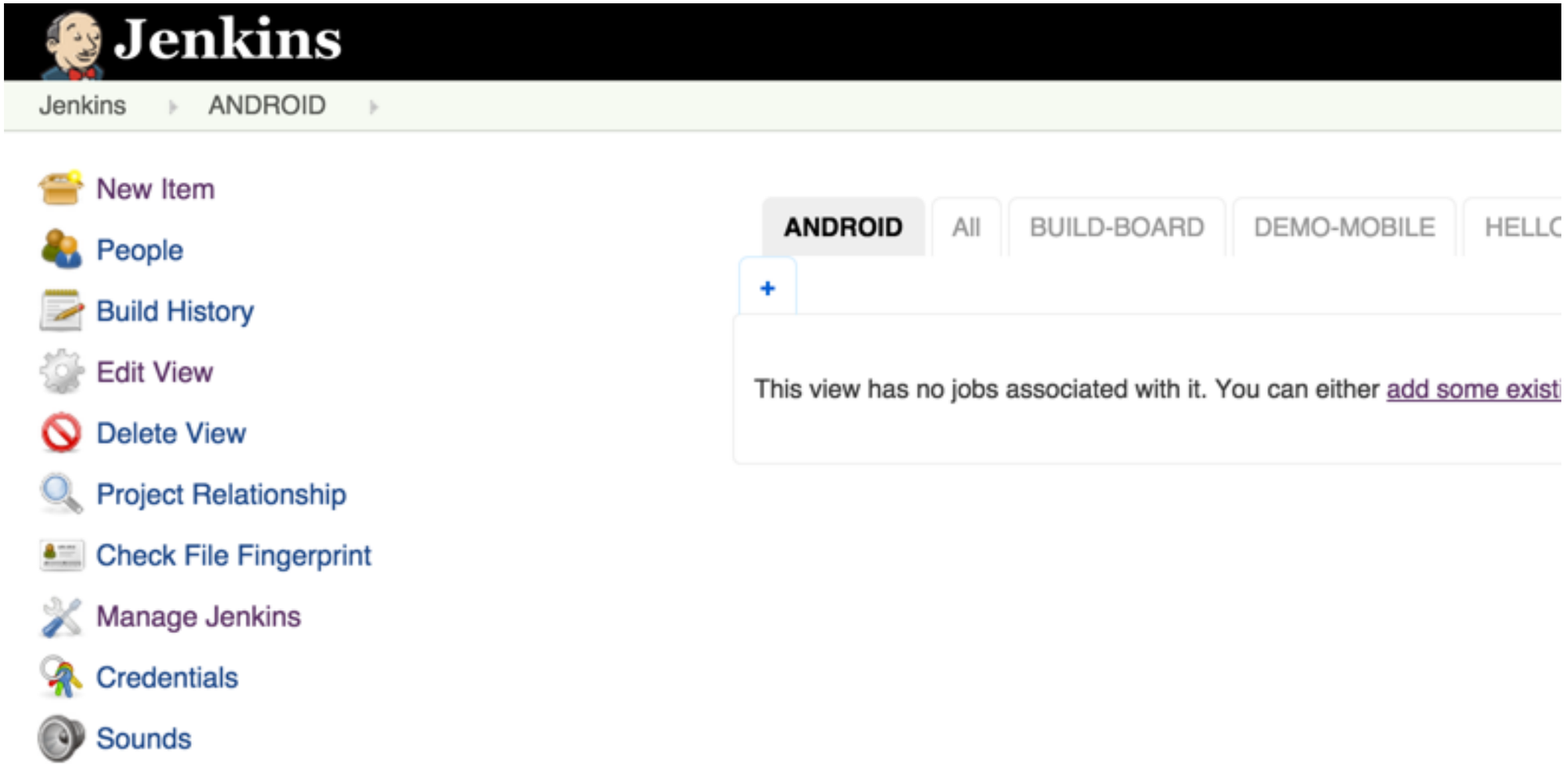
Let’s start with

Jenkins

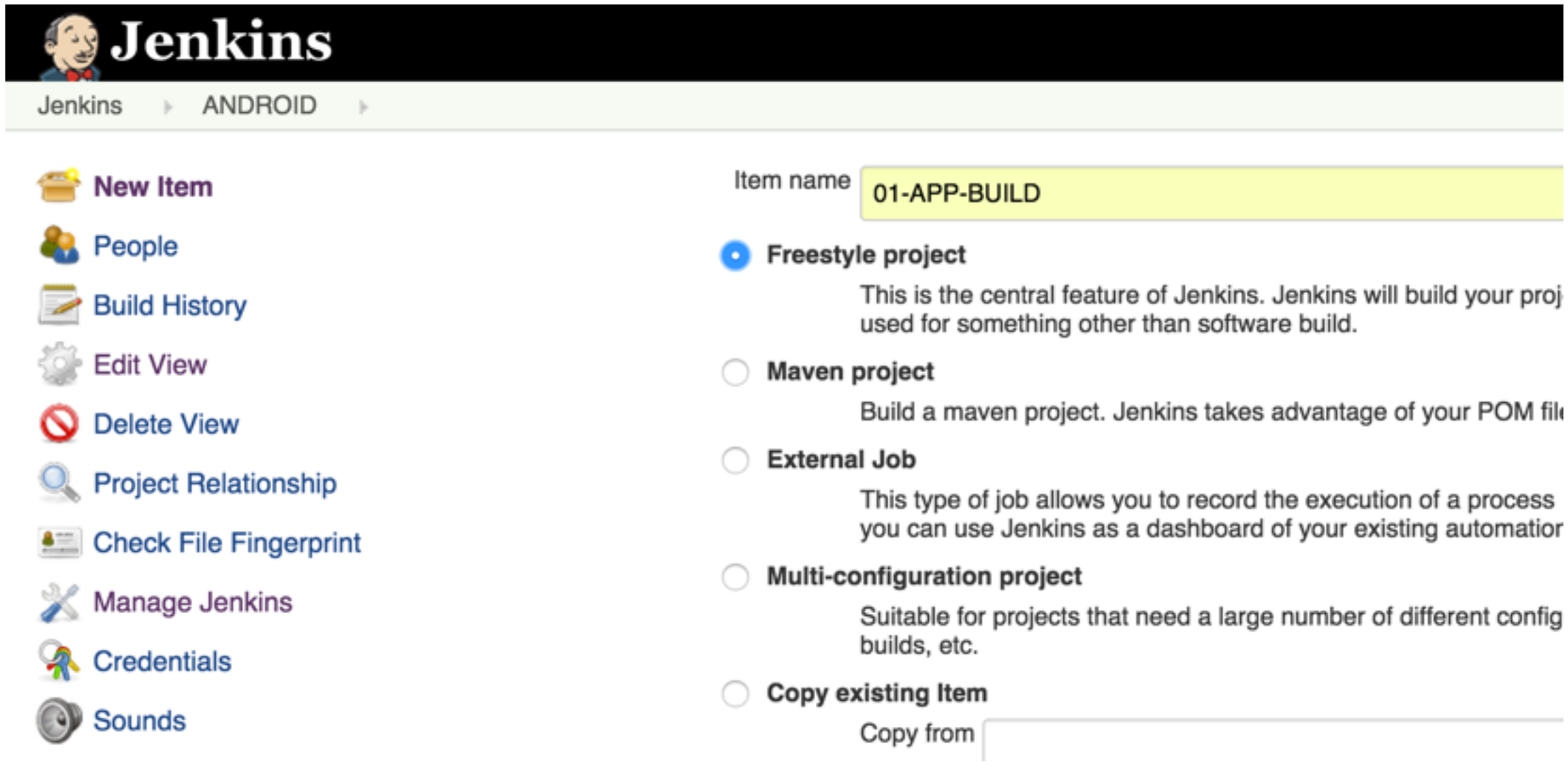
Start jenkins server

$java -jar jenkins.war

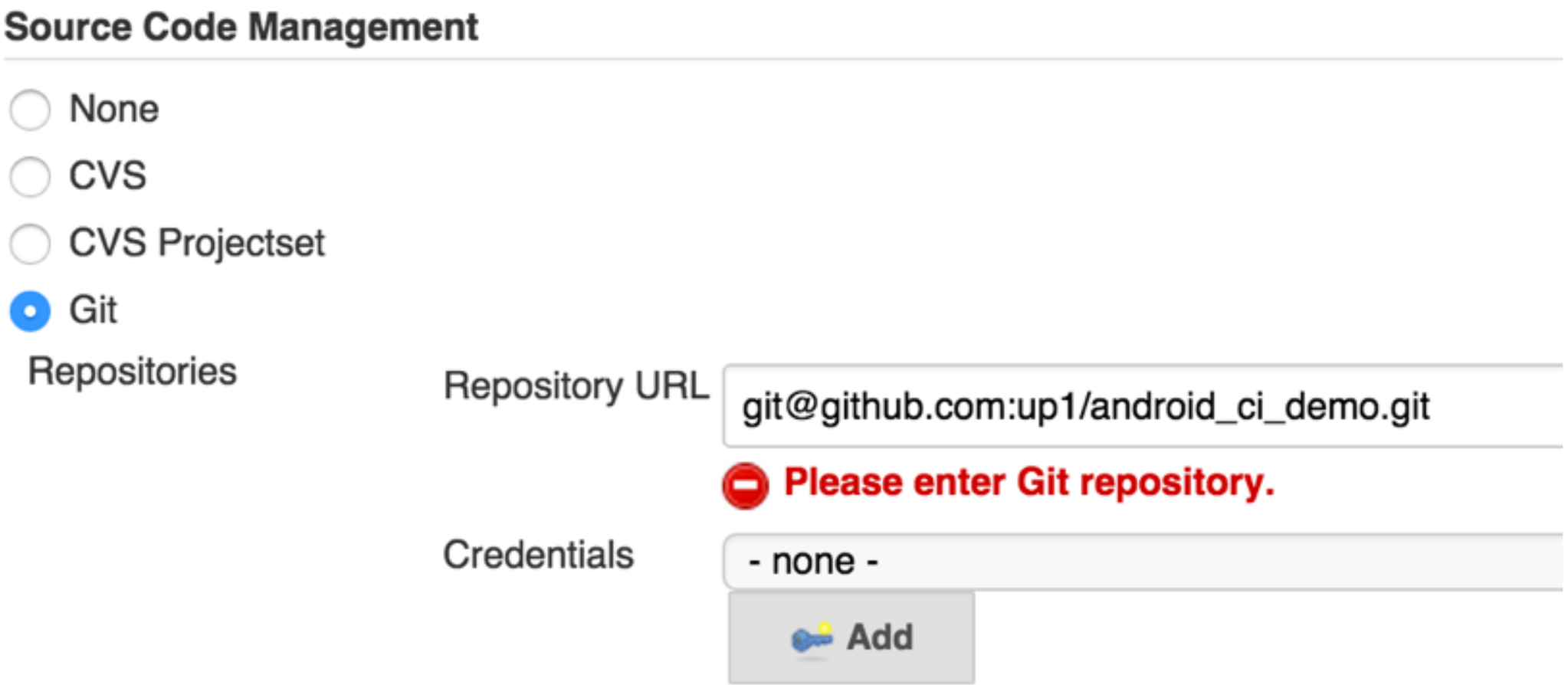
Goto localhost:8080



Create new job



Source control management



Add build step

Build

Execute shell

Command

```
./gradlew :App:connectedAndroidTest
```

See the list of available environment variables

Add build step

Config ANDROID_HOME

Windows

```
set ANDROID_HOME= <your path>
```

Mac

```
export ANDROID_HOME= <your path>
```

Add build step

Build

Execute shell

Command

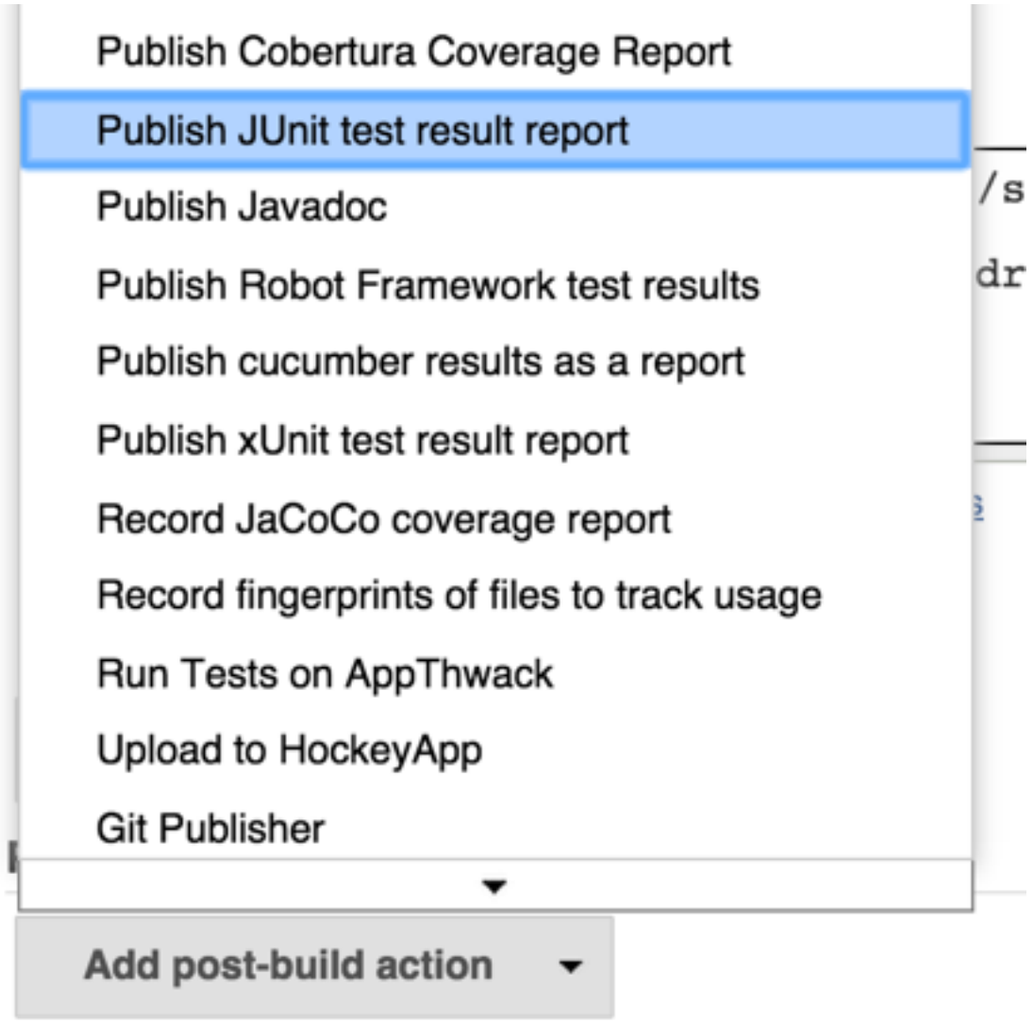
```
export ANDROID_HOME=/Users/somkiat/data/software/android-sdk-macosx

./gradlew :App:connectedAndroidTest
```

See the list of available environment variables

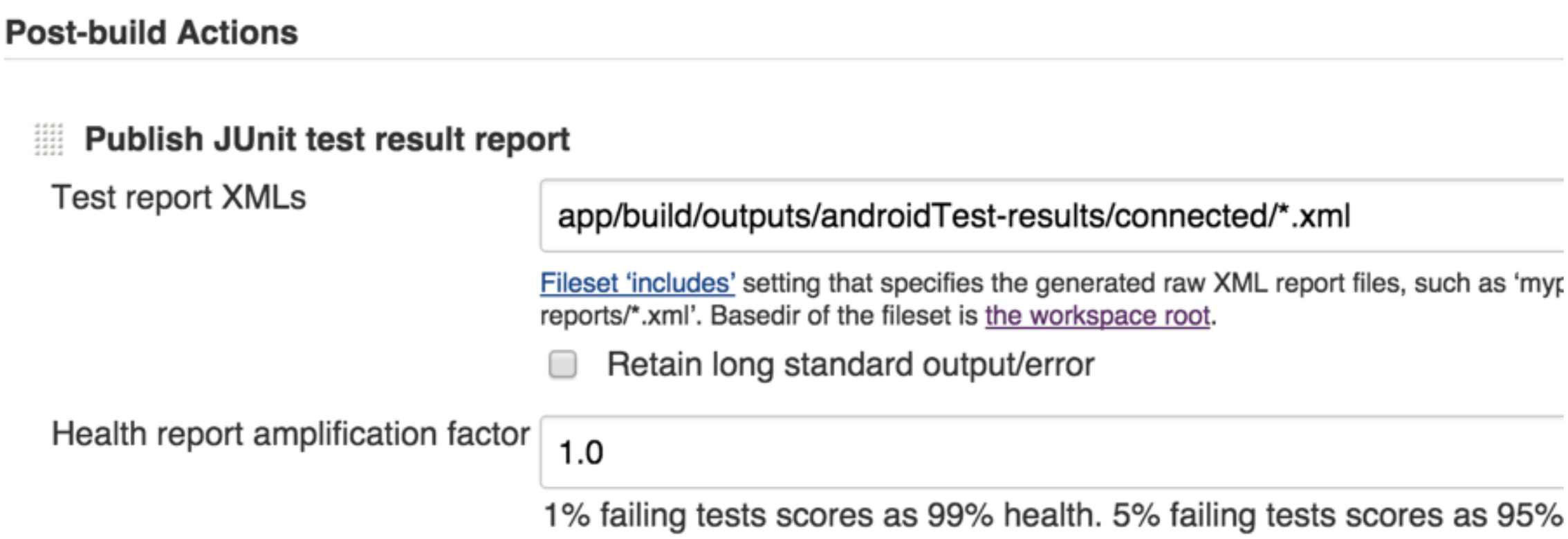
Add build step

Post build action

Generate report of each build



Publish JUnit test result report



See report

Project 01-APP-BUILD

add description

Disable Project

Workspace

Recent Changes

Latest Test Result (no failures)

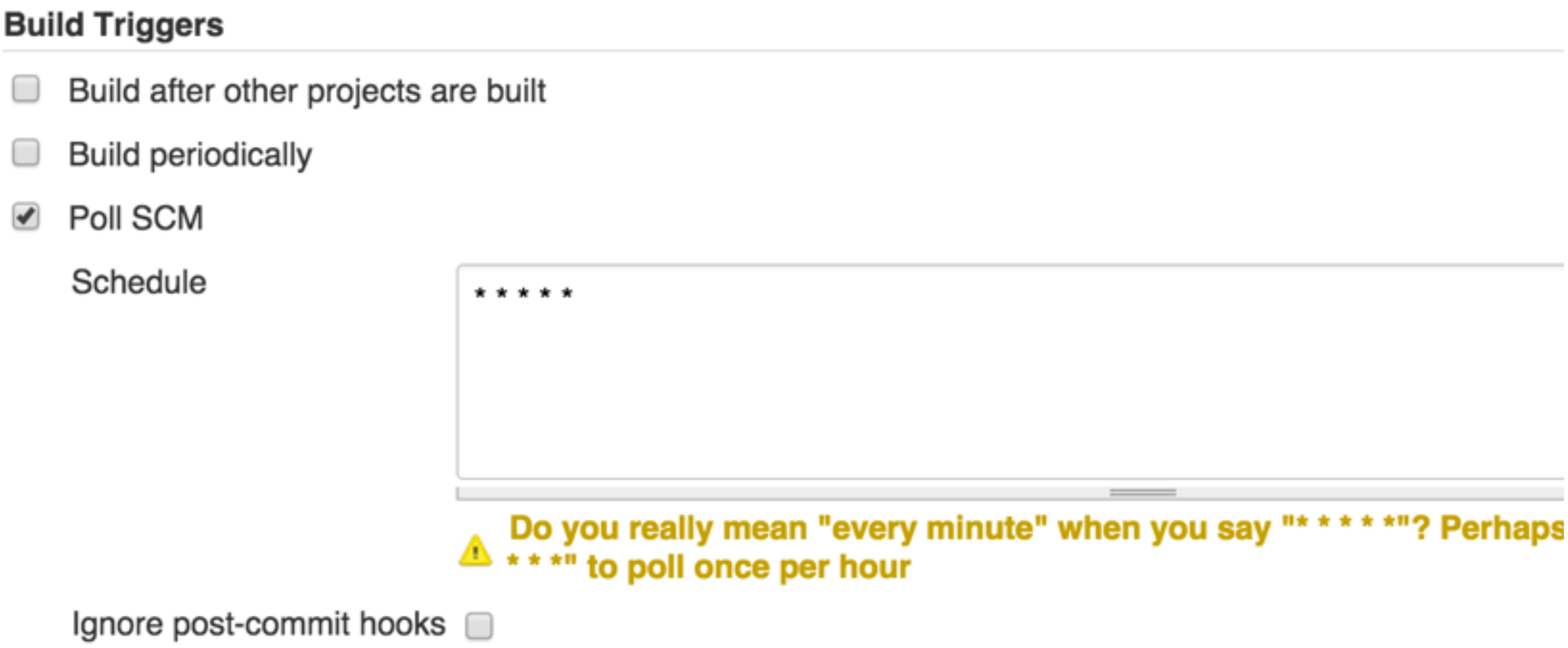
(just show failures) enlarge

Permalinks

- Last build (#7), 43 sec ago
- Last stable build (#7), 43 sec ago
- Last successful build (#7), 43 sec ago
- Last failed build (#4), 13 min ago
- Last unsuccessful build (#4), 13 min ago

Auto build ?

Build trigger => check every minute



Try it by yourself