# Setting up Jenkins for Android

Before starting the setup, we need to install the following.

### Software Required

* Android SDK and Build tools (API 14 – API 23)
* Java JDK (1.7 or 1.8)
* Git

After installing the above software, add the paths to their corresponding fields in Jenkins configuration system.

* Android SDK root: ${SDK root directory}/SDK
* JDK path: ${jdk home directory}
* Git path: ${Git exe path}
* Gradle installations:
  + Add gradle and select Install automatically checkbox.
  + Required Gradle version: 2.2

### Plugins

### After setting up the above, install the following plugins in Jenkins.

* Git plugin
* Android Emulator Plugin
* Gradle Plugin

### Configuring Android Project

### After installing the plugins, configure the android project in Jenkins Dashboard.

* Create new job
* Give a name and set as freestyle project.
* Opening the project, add description as required.
* In Source code management, select git and enter the repo url
  + Git repo url - <https://gitlab.farmersfirst.com/root/mobileapp.git>
  + Set up git credentials and select it.
* For Build configuration, Add build step as Invoke Gradle Script.
  + Select gradle version as 2.2
  + Add “build –stacktrace” in Tasks
  + Root build script: ${workspace}/Project\_Name/
* Apply and Save.















