

Assignment - 5

Title: Android Studio Installation

Problem Statement:

To install android studio on Fedora Linux and develop android app as per requirement.

Objective:

1. To learn Android Studio application.
2. To learn to develop android application.

Outcome:

Student should be able to:

- To learn install Android studio
- develop android apps

Requirements:

Fedora Linux, Android Studio, Oracle Java JDK 8

Theory:

Android Studio is the official Integrated Development Environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software designed specifically for Android development. It is available for download on Windows, MacOS and Linux.

It has strong editor tool for developing creative UI and emulators for different versions to test and simulate sensors without having actual Android devices. It also has a very useful Gradle plugin using which you can create application files (apks) with different configurations. Moreover, it makes exporting and uploading apk on playstore easy with a single click. It also has ANT build if you prefer that.

Installation steps:

1. Extract required files:
→ `unzip -d /tmp/m/Downloads/android-studio*.zip`
2. Install required packages:
→ `sudo dnf install compat-libstdc++-29.6.i686
compat-libstdc++-33.i686 \`
~~no~~
3. Install recommended Oracle Java JDK 8.
4. After, to relocate Android Studio IDE; set the super user as shown
→ `sudo chown -R root:root /tmp/android-studio`
5. Then switch the contents (in shell):

→ sudo mv /tmp/android-studio1 /opt/

6. Finally, end the super user session.

7. To start Android Studio, from shell:

→ cd /opt/android-studio1/bin/ && ./studio.sh

~~see below~~

Conclusion:

Thus, we have successfully installed Android Studio IDE.