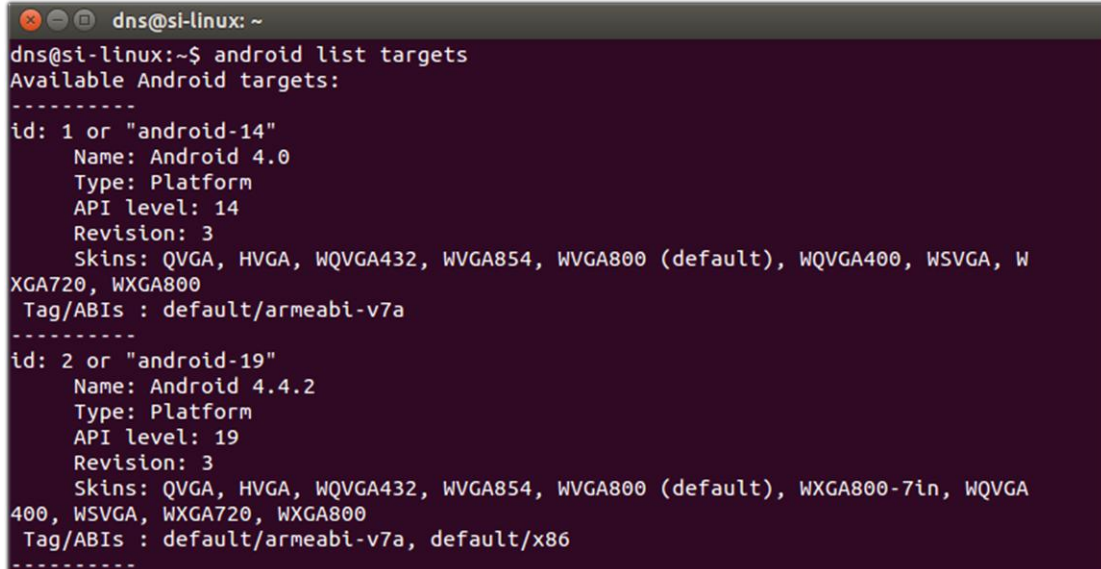


Android Insecure Bank v2 Usage Guide

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Usage Guide

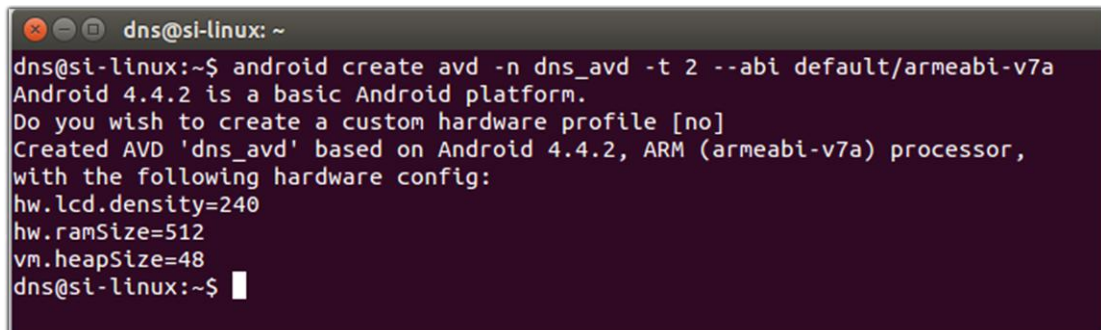
1. Get the list of Android system image targets using the command: ***android list targets***



```
dns@si-linux: ~  
dns@si-linux:~$ android list targets  
Available Android targets:  
-----  
id: 1 or "android-14"  
  Name: Android 4.0  
  Type: Platform  
  API level: 14  
  Revision: 3  
  Skins: QVGA, HVGA, WQVGA432, WVGA854, WVGA800 (default), WQVGA400, WSVGA, W  
XGA720, WXGA800  
  Tag/ABIs : default/armeabi-v7a  
-----  
id: 2 or "android-19"  
  Name: Android 4.4.2  
  Type: Platform  
  API level: 19  
  Revision: 3  
  Skins: QVGA, HVGA, WQVGA432, WVGA854, WVGA800 (default), WXGA800-7in, WQVGA  
400, WSVGA, WXGA720, WXGA800  
  Tag/ABIs : default/armeabi-v7a, default/x86  
-----
```

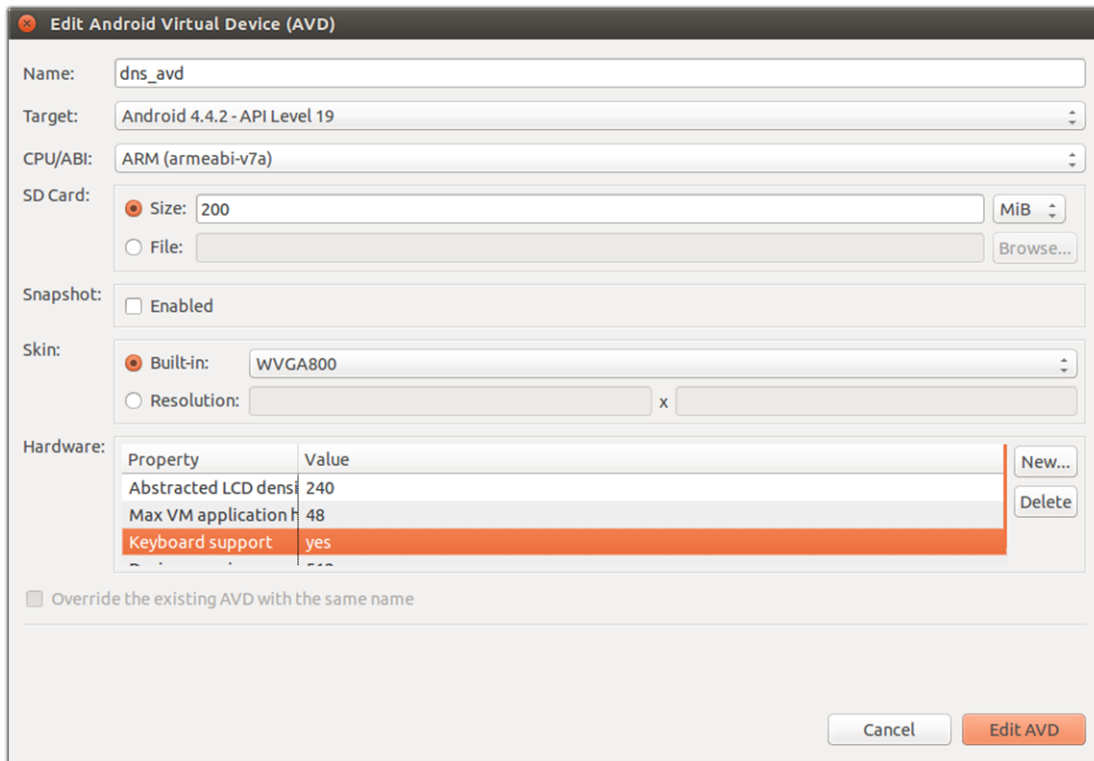
For the purpose of this guide, we will be using the Android 4.4.2 image

2. Create an Android virtual device using the command: ***android create avd --n dns_avd --t 2 --abi default/armeabi-v7a***

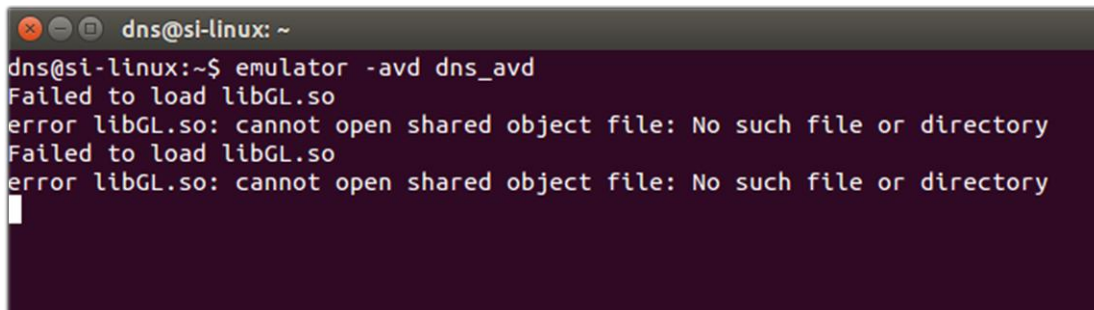


```
dns@si-linux: ~  
dns@si-linux:~$ android create avd -n dns_avd -t 2 --abi default/armeabi-v7a  
Android 4.4.2 is a basic Android platform.  
Do you wish to create a custom hardware profile [no]  
Created AVD 'dns_avd' based on Android 4.4.2, ARM (armeabi-v7a) processor,  
with the following hardware config:  
hw.lcd.density=240  
hw.ramSize=512  
vm.heapSize=48  
dns@si-linux:~$
```

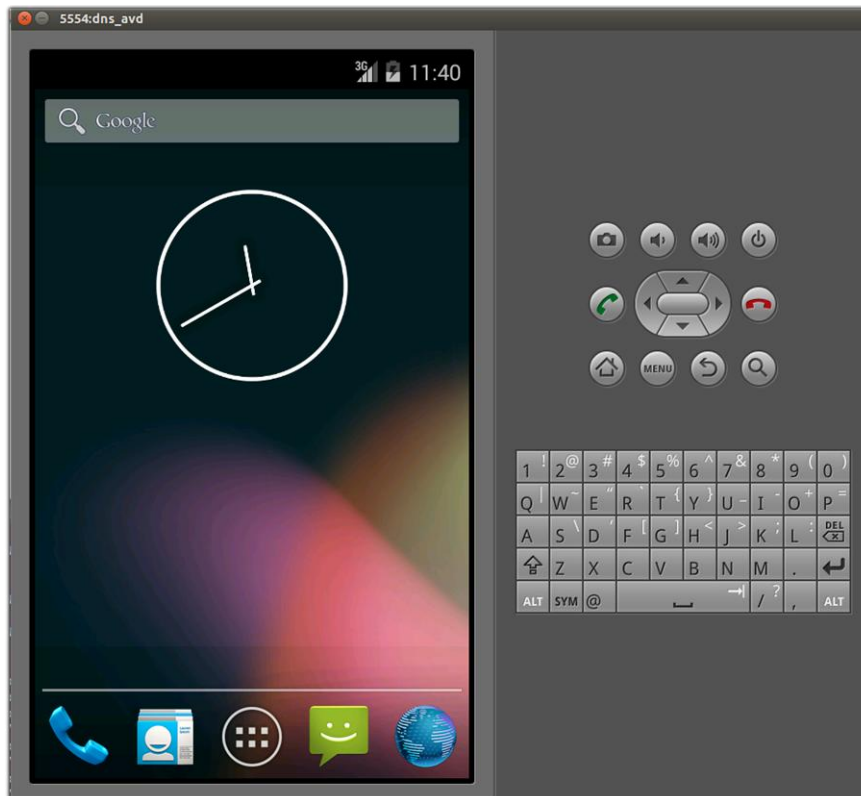
3. Using Avd manager, set the virtual device to have SDCARD storage. This step is necessary as our application will be writing data to the external storage card



4. Launch the virtual image that was created, using the command: ***emulator -avd dns_avd***



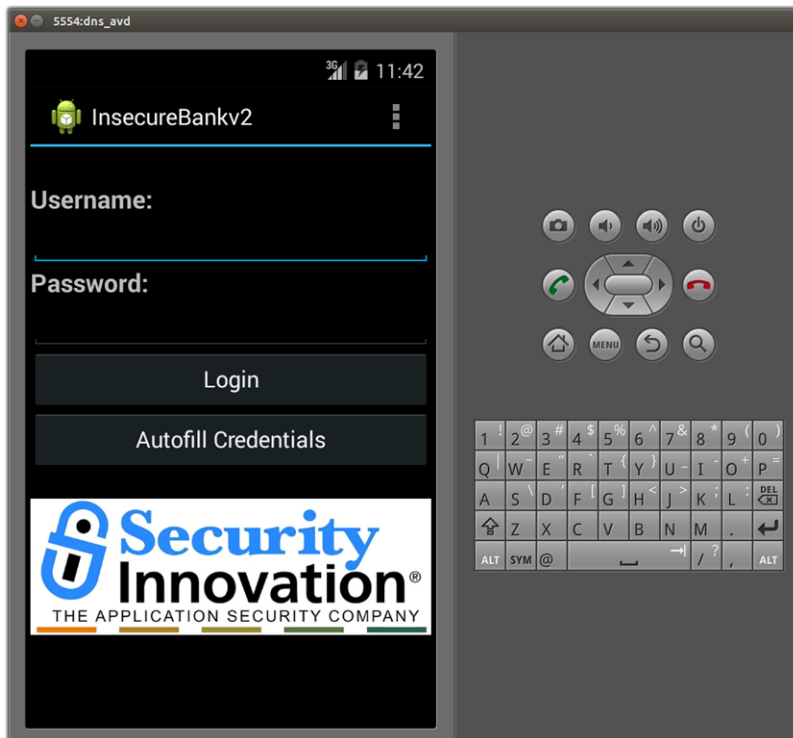
5. Following screenshot shows how the virtual device looks when launched using the command mentioned in the previous step



6. Install the InsecureBank application apk file using the command: ***adb install InsecureBankv2.apk***

```
dns@si-linux: ~  
dns@si-linux:~$ adb install InsecureBankv2.apk  
* daemon not running. starting it now on port 5037 *  
* daemon started successfully *  
3239 KB/s (957834 bytes in 0.288s)  
    pkg: /data/local/tmp/InsecureBankv2.apk  
Success  
dns@si-linux:~$
```

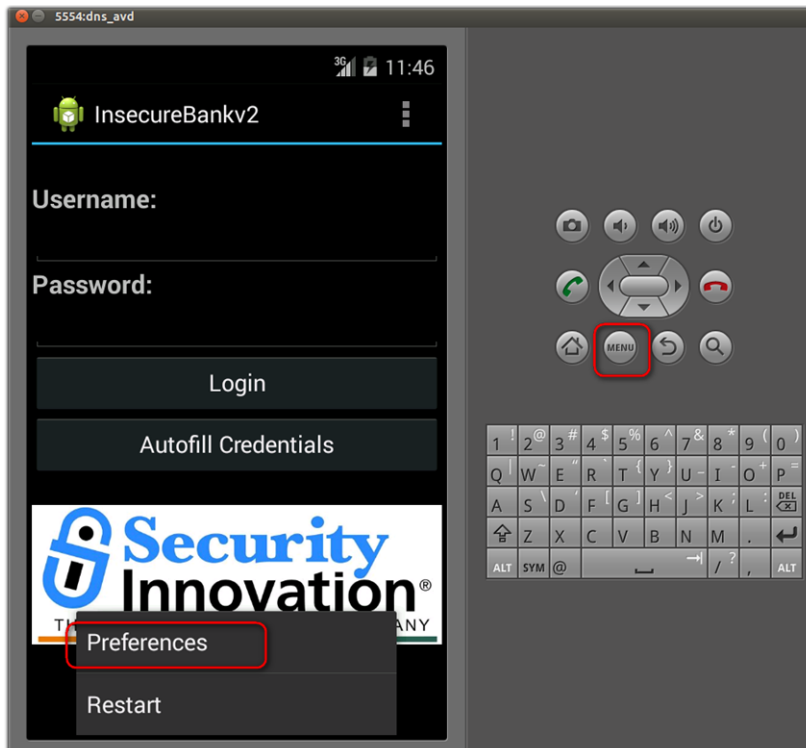
7. Following screenshot shows how the application looks when launched



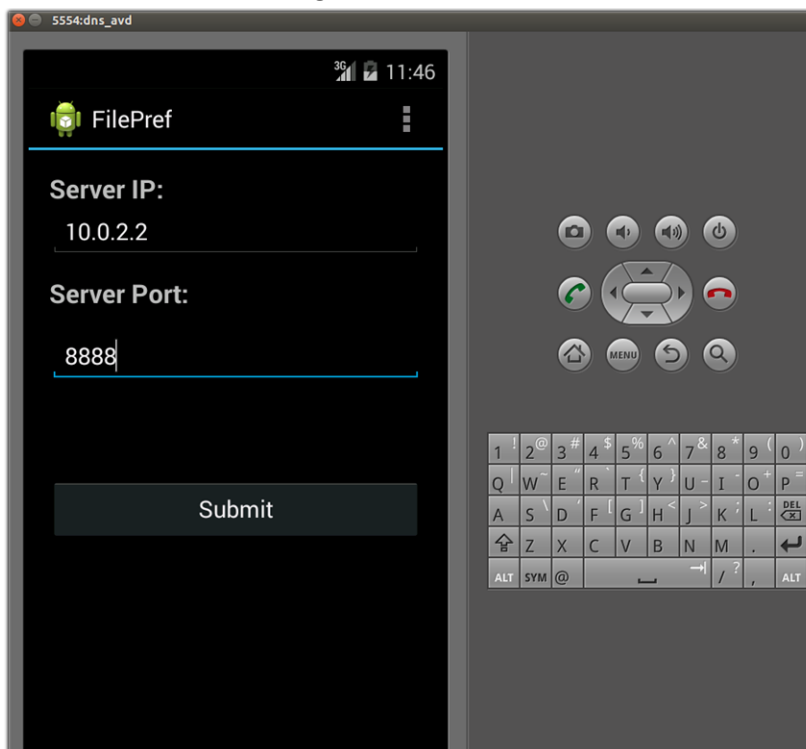
8. Launch the backend python server using the command: ***python app.py --port 8888***

```
dns@si-linux: ~/workspace/AndroLabServer
dns@si-linux:~/workspace/AndroLabServer$ python app.py --port 8888
The server is hosted on port: 8888
```

9. On the Android emulator, press the menu button and then select the *Preferences* menu

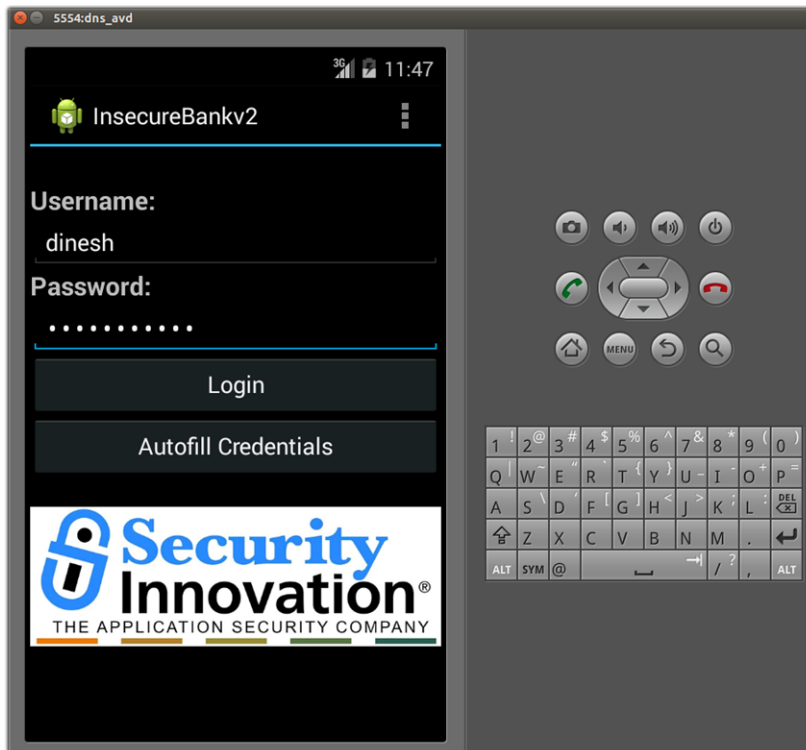


10. Set the emulator to point to the IP address and port number of the machine on which the AndroLab Server is running. Click on Submit to continue

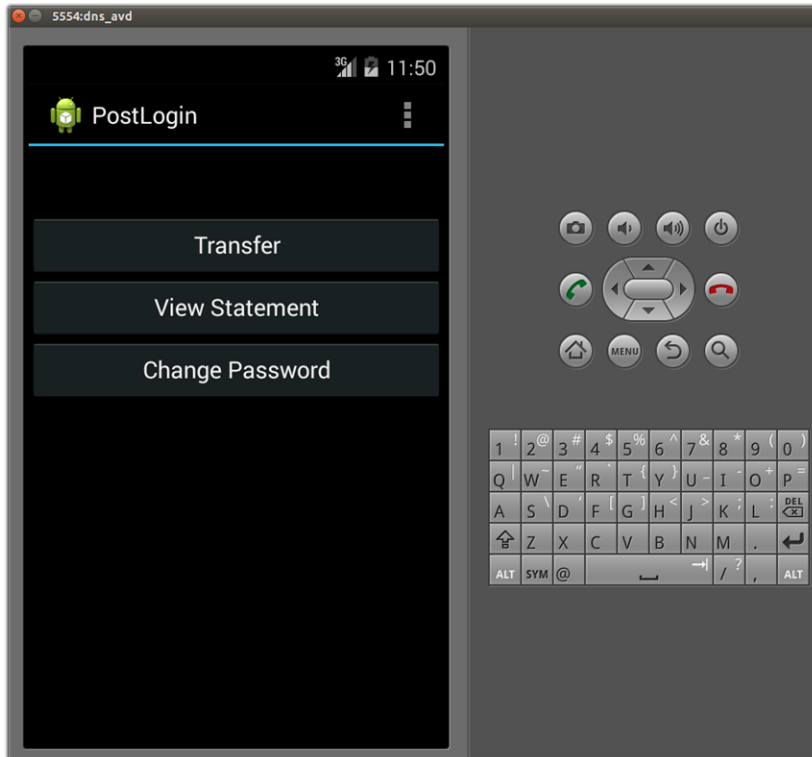


(Note: In case of Android emulator, 10.0.2.2 points to the base machine on which the emulator is running)

11. Log in to the application using either of the below mentioned credentials
- dinesh/Dinesh@123\$
 - jack/Jack@123\$



12. Following screenshot shows that the user was able to successfully log in to the application



The application is now ready to be hacked.