Software Development for Mobile Devices

Submission for Assignment A9.1P

Administrative access to an Android device

By default, the user does not have an administrative access on the Android device. However, users are able to grant the administration privileges to their device by rooting. In other words, rooting is the process of granting the administration/root privileges to user's device so as to modify or install software that the user normally would not be allowed to do. Although there are many benefits of rooting devices such as fully customization your phone, block advertisements and upgrade to latest Android version, it is vulnerable to be attacked by malicious malwares. (Advantages & Risks of Rooting Android 2018).

Strength and Limitation

Strength	Limitation
1. Install custom ROMS 2. Removing preinstalled app of manufactures 3. Blocking advertisement 4. Extend battery life and speed 5. Access to root file 6. Easy to backup Android (10 Advantages and Disadvantages of Rooting Android devices 2018)	1. More Security Risks 2. End up warranty 3. Update issues

By default, device manufacturers and telephone companies lock devices and do not provide administrative access to a device — why is this the case?

The reason is because that the device can be vulnerable to be intrude by malicious actors after rooting. Due to granting the administration privileges, the device now can install as many

software as the user want, and thus that kind of software can contain virus or malware. Therefore, most of manufactures do not allow the user to root their devices in order to protect the phone in terms of security.

Security Discussion

Rooting device is allowed the users to fully control their device as well as install many applications that they want. Nevertheless, it has led to the increasing of security risks to the Android device and also it could turn the device into a brick. For instance, by making a mistake while rooting a device, you can have a bricked device. Moreover, the device can be attack by downloading virus files, software, etc.

References

10 Advantages and Disadvantages of Rooting Android devices, viewed 27 September 2018, <https://www.educba.com/rooting-android/>.

Advantages & Risks of Rooting Android| Reasons to root your android, viewed 27 September 2018, <https://www.syncios.com/android/reasons-to-root-android-device-and-risks-of-rooting.html>.