Mobile Phone Security

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Input Validation Issues Part 2

(Abuse Web View)

- ✓ When developing an Android app, we can load a remote URL or display HTML pages stored in our application within an activity using WebView.

- ✓ Internally it uses WebKit rendering engine to display web pages.

- ✓ It supports methods to navigate forward and backward, text searches, etc.

- ✓ It has some nice features such as support for the usage of JavaScript.

- ✓ b.WebView : Android -WebView is a view that display web pages / contents inside your application.

- ✓ You can also specify HTML string and can show it inside your application using WebView.

- ✓ WebView makes turns your application to a web application

- c.What if input in not sanitize ?

- d.Let open the diva application and start the Input validation issues – Part 2 – enter the url and android application connect with it and display the content of the same web content in the same activity.

- e.Lets try to check that this web view is taking input without validation, so try to access the android internal files.

✓ f.santoku@santoku:-$ adb shell

✓ g.root@santoku:-$ cd /mnt/sdcard

✓ h.root@santoku: mnt/sdcard # cat demo.txt

✓ i.now back to the Genymotion and try to access the file stored in the /mnt/sdcard

✓ j.file://mnt/sdcard/demo.txt and click on view

✓ k.Now we can successfully view the content of the file in web view.

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