

Harvesting the Phone number from FB and yahoo combination

**Author:** Saurabh([saurabh.sharma.it@gmail.com](mailto:saurabh.sharma.it@gmail.com))

**Description:** This document demonstrates how two applications which share common data, can be combined to exploit and gather the information, which otherwise individually is considered secure.

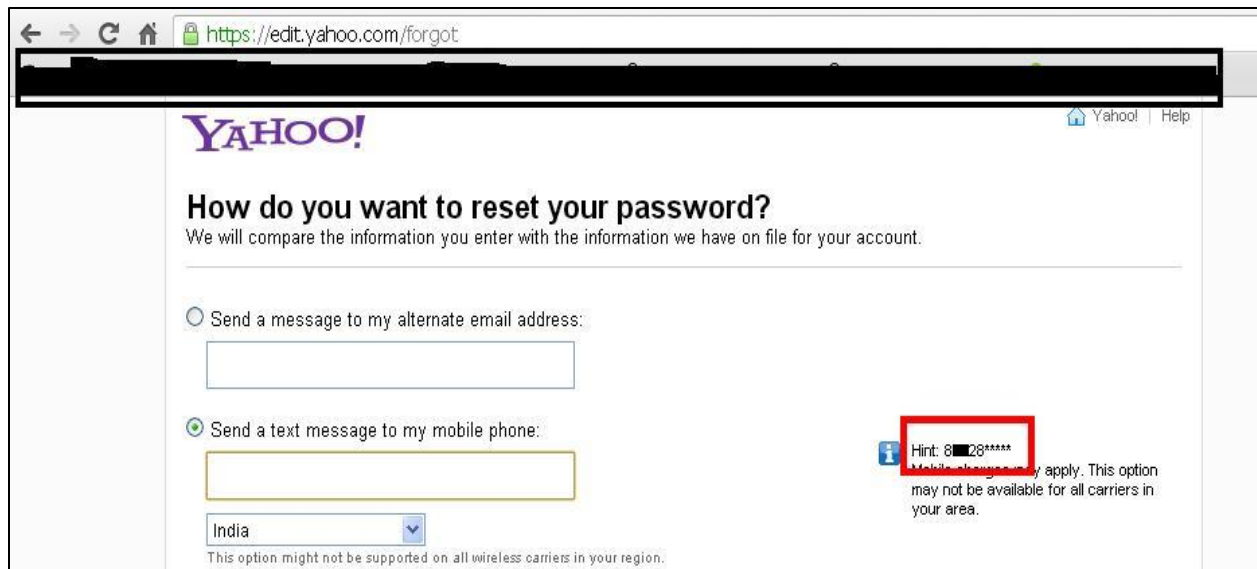
We know that the facebook is secure, and yahoomail is secure. But, how about when data is shared between the two applications and the information can be collected by combining the two. This example illustrates how the shared data and trust among two applications can be exploited. Thus, phone number can be harvested by using a combination of the two web applications.

Say, e.g., you have a yahoo account, and you login to your facebook using the yahoo mail id. You will have your phone number verified in the facebook and in your yahoo id. This information is hidden by the individual applications alone.

But, lets combine the two. In facebook, when you do something like forgot password, you can reach a page which shows the **LAST FOUR** digits of your phone number as shown below.



So, we have uncovered the last 4 digits of the phone number. Now, we apply the forgot password mechanism to the yahoo mail id. We see the **FIRST FIVE** digits shown as below(I have greyed the two digits so that the phone owner is unharmed ☺):



We have uncovered the first five digits. Hence, we have the following information:

First five digits: from **Yahoo**

Last four digits: from **Facebook**

Only 6<sup>th</sup> digit is left, which can be brute forced ( lols... only values 0-9), giving us the complete phone number.

This is just one example. It is also possible, that the scenario might hold true for other similar applications.

Thus, it is possible to gather the information when the data is shared across the multiple applications and the applications somehow trust the other application