

Smartphone Malware

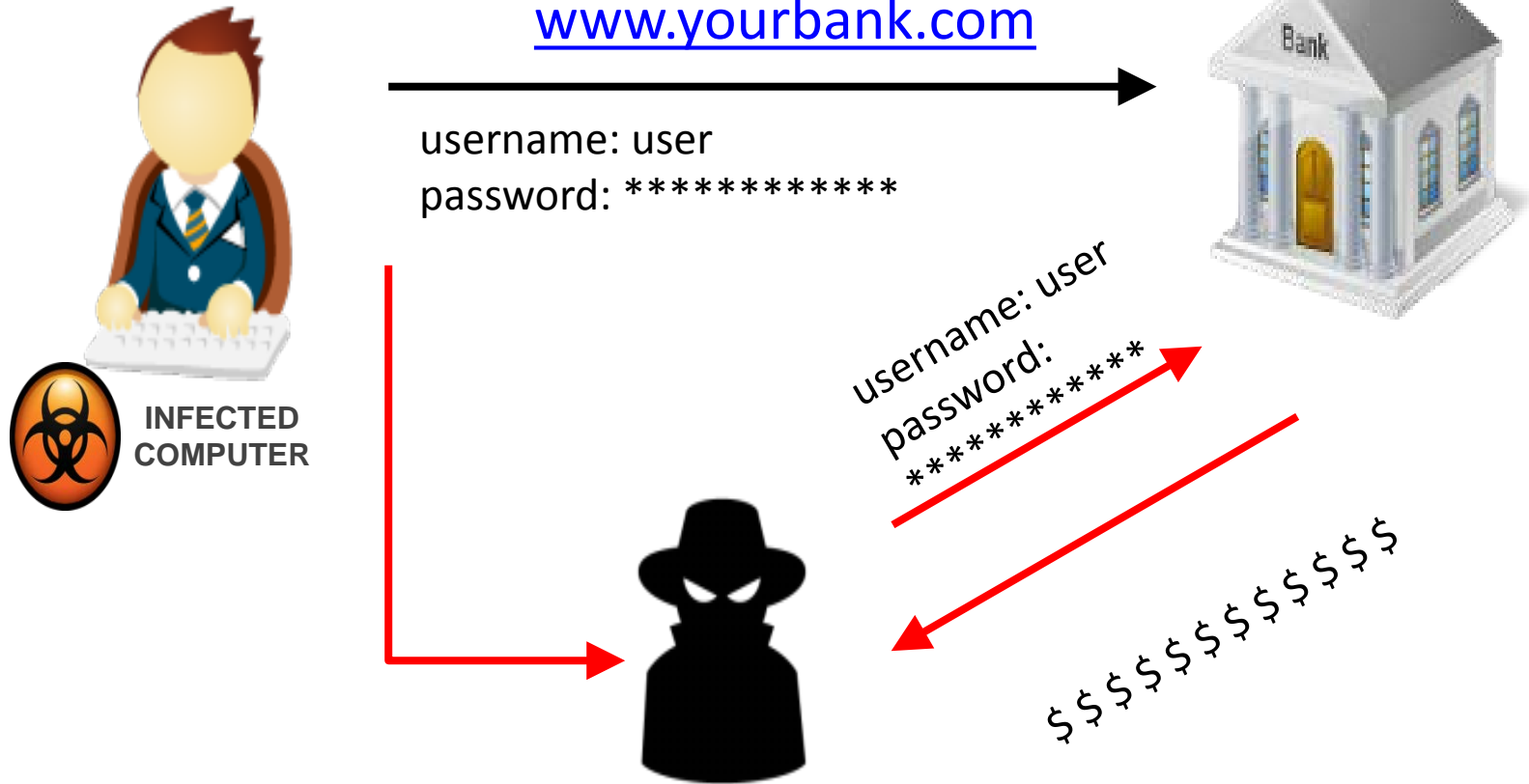
Slides by Federico Maggi

<http://maggi.cc/>

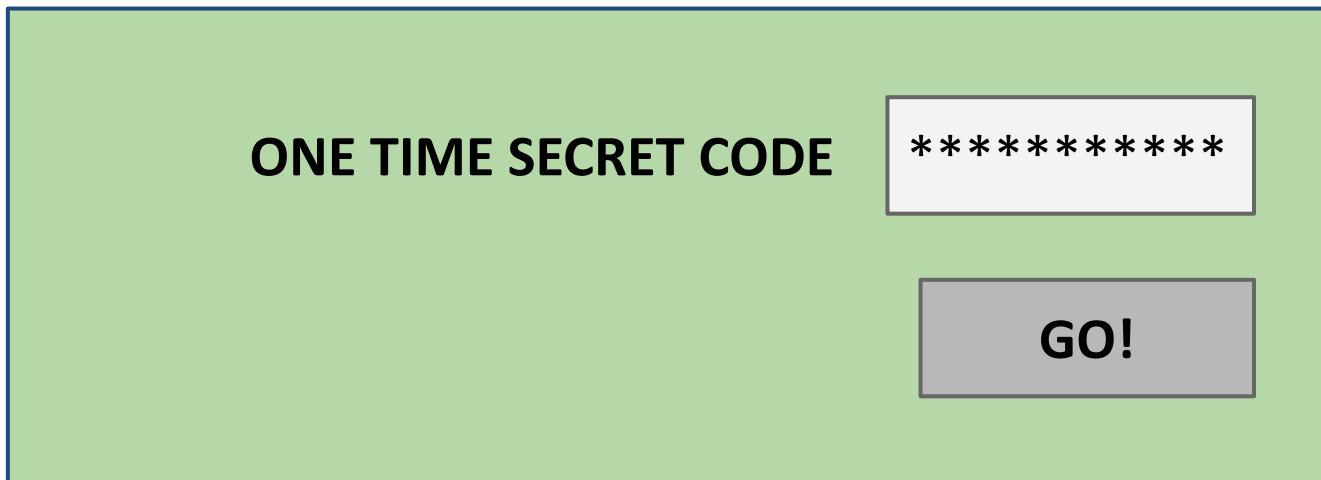
ZitMo & SpitMo ([REDACTED])

- *Companion* of the famous Zeus and SpyEye trojans.
- Steal the *mTAN* or *SMS* used for 2-factor authentication.

The attack scheme (1)



2-factors authentication (password + secret code)



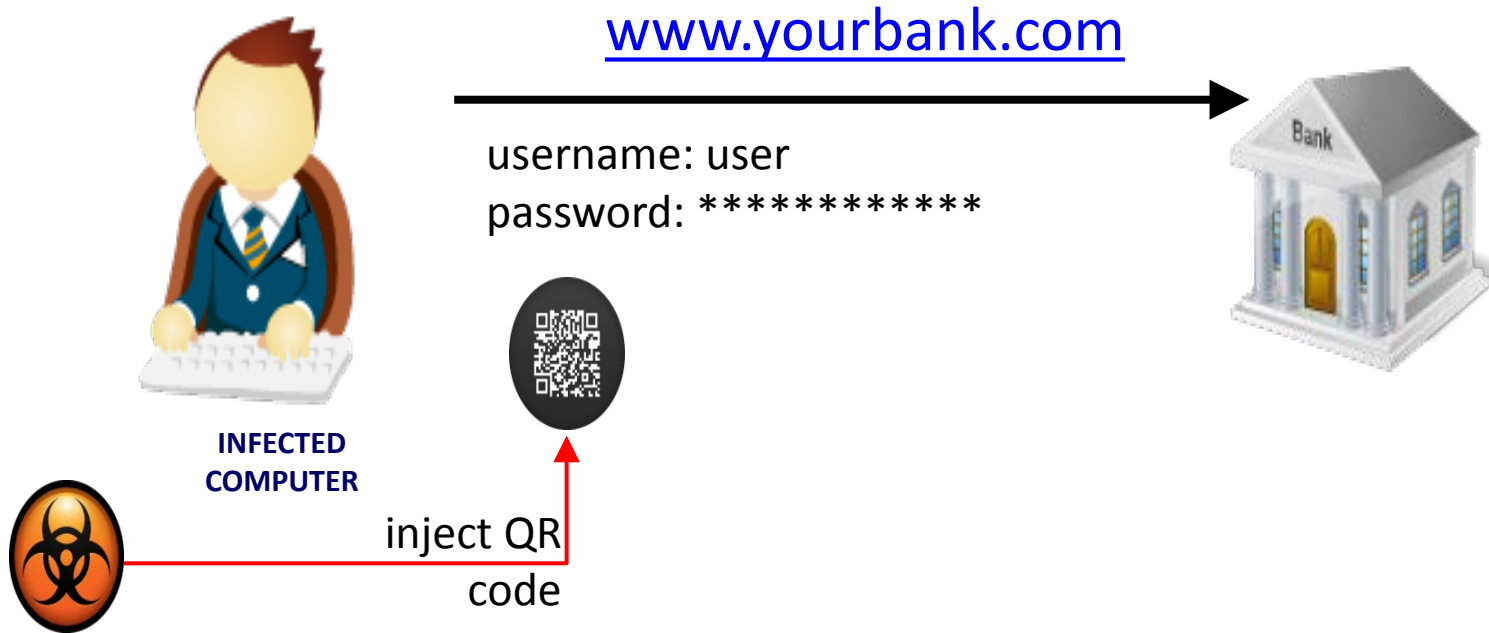
ONE TIME SECRET CODE

GO!

The attack scheme (2)



The attack scheme (2)




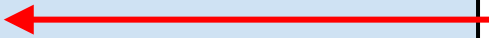


Luring Users with a QR Code

USERNAME

PASSWORD

SCAN TO LOGIN 

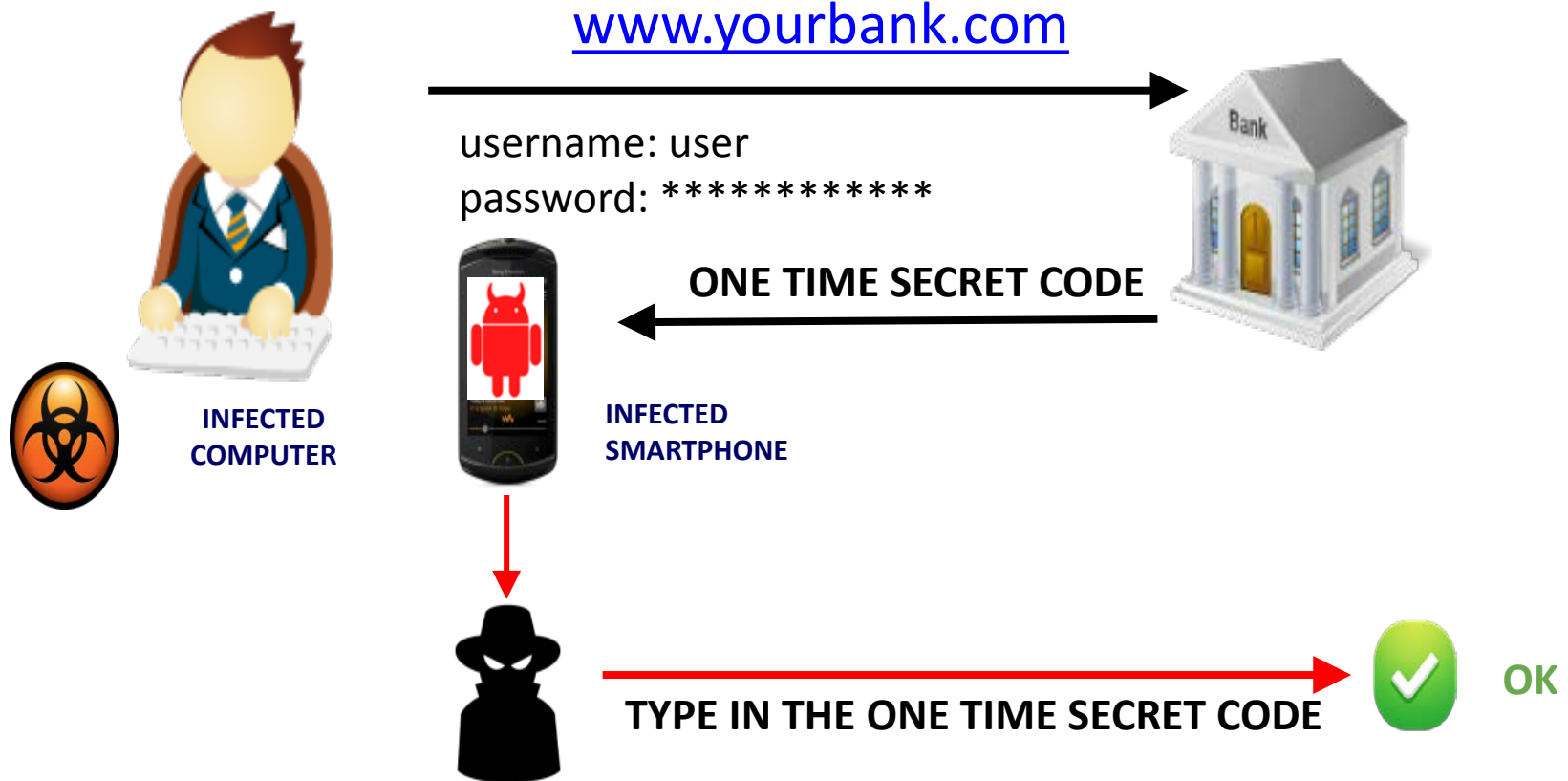


The attack scheme (3)

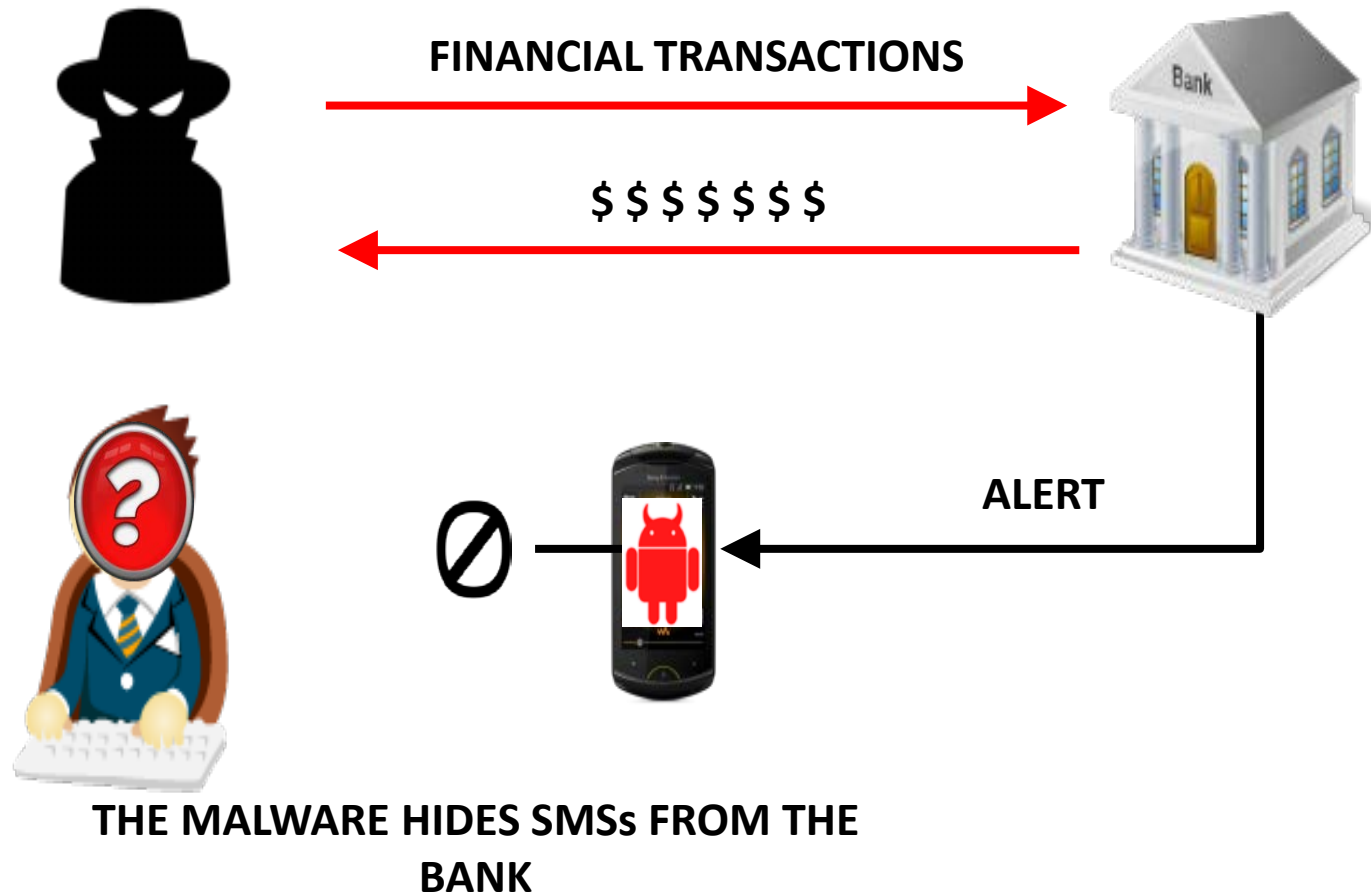
www.evil.org/fake-login-app.apk



The attack scheme (4)



The attack scheme (5)



More information

- http://www.kaspersky.com/about/news/virus/2011/Teamwork_How_the_ZitMo_Trojan_By_passes_Online_Banking_Security