# Exploring The Internet

□ **Monday, April 11, 2011**

## 91 113 Week 10 Steganography

### 91 113 Week 10 Assignment

**Read:**

Steganography, the art of hidden writing:

- ▢ Physical Security (UIUC Lecture) -- http://www.cs.uiuc.edu /class/fa06/cs498sh/slides/461.Physical%20Security.ppt
- ▢ Steganography -- http://en.wikipedia.org/wiki/Steganography
- ▢ Steganography tools -- http://en.wikipedia.org /wiki/Steganography_tools
- ▢ Steganography -- OpenPuff Tutorial http://www.ghacks.net /2011/04/04/hide-files-with-openpuff-steganography- software/
- ▢ Steganography,Steganalysis,& Cryptanalysis -- http://www.blackhat.com/presentations/bh-usa-04/bh-us-04- raggo/bh-us-04-raggo-up.pdf

**Downloads:**

- ▢ **OpenPuff -- Ver 3-10 Portable software:**
  - ▢ **Note OpenPuff is only available as Windows app -- http://members.fortunecity.it/blackvisionit /PUFFV300.HTM**
  - ▢ **Further select the current version V3.10 and download. It is a zipped file so you will need a program to unzip it, pkzip is free or winzip**

**Week 10 Web Assignment (Tuesday):**

This is web assignment is to be done using Skype Teams and posted on Google Docs. After you complete the assignment share (email to me at dr_krolak@yahoo.com).

- ▢ **Using one of the geotagged photos use OpenPuff to hide a message and mp3 music file.**
- ▢ **In your skype text IM --**
  - ▢ **send the password for the photo and a separate one for the music as a messages and then**
  - ▢ **share the photo and the music with the messages hidden in them.**
- ▢ **Your Team member will unhide the message and post both the Photo/music and the messages to Google Docs. Include your password messages.**