


## OSINT Assignment by Ubong Etim

### Task 1:

These are my reflections from my attempt at the following exercises from the [Sofia Santos OSINT challenges](#)

#### Exercise #027: Letura en Movimiento en Lima

- a. **Name:** Juan Carlos Rodriguez (director of OEI, Lima, Peru)
- b. **Lapel pin:** Organistaion of Libero American States (OEI)
- c. **Speech footage:**  Lectura en Movimiento en Lima
- d. Reflections:

I was able to make use of several OSINT tools to figure out the answers to this challenge. I took a look at the 'search engines' subset of the [OSINT](#) framework webpage. I made use of the "general search" subset of the searc engines subset and opted for the one I was most familiar with being google. I typed the caption "**Letura en Movimiento en Lima**". I figured that from the translation of this phrase "Reading in motion in Lima" that it must have been a newsworthy event in Lima. I scrolled throught the news section and sure enough i found an article speaking about the OEI director in Lima(who had the lapel on) and the purpose of the event. I also found the youtube viedo of the speech in the recommendations when i searched the caption. All in all this was a pretty intuitive exercise and did not take much time to figure out.

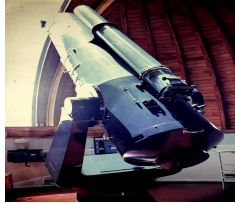
#### Exercise #005

- a. Zoo location: San Diego Zoo
- b. Temperature: 21.1 degrees celcius
- c. Geolocation: 32.73446, -117.15458
- d. Reflections:

For this exercise I was able to use the general search subset of the [OSINT](#) framework as well. But this time I used a different resource [IZTO](#), a search engine much like google that can be used to look up everything from phrases to pictures. I used the keywords 'polar bear camera' and It opened up a bunch of resources, one of which was a youtube video of the polar bears in the exact same frame as in the picture. The youtube video mentioned the name of the zoo where the bears were located, the San Diego zoo. I put the name of the zoo into google maps and was able to find the exact geolocation of the animals from referencing a tree trunk that could be clearly seen from areal view and was present in the photo and video I had seen. This was also relatively easy although it took considerably more time than the first one.

#### Exercise #015

- a. **Schmidt Telescope (image by Christoph schmidt 1953/54**



source : [Unesco portal to the heritage of astronomy](#)

**Location:** Hoher list, Tower, university of Bonn, Germany 1 lat 50.161800 N, long 6.849434 W.

b. Reflections:

I was able to for the mos part use the same OSINT resources used for the previous two challenges for this one. Using the IZTO search engine first, I was able to locate the exact telescope with the exact contents of the message in the CIA document attached (for a fee). Using some of the information from here like the name of the university, the size and the dimensions of the telescope, I did a google search that led me to the source linked above where I was able to see the same telescope in a different image and at its final location. The website had pretty much all the information that I needed such as the precise location of the telescope and its geolocation coordinates.

As for the last two challenges, I was unable to solve them but watching the youtube walkthroughs [OSINT #019 walkthrough](#) and [OSINT #029 walkthrough](#), some things stood out to me which I wish to share. Time, care and detail orientedness is required to be an great OSINT analyst.

### Task 2:

Category	Tool 1	Tool 2	Tool 3
Email addresses	GHunt (T)	Thats Them	MailsHunt
Phone numbers	openCNAAm	ThatsThem -Revese phone lookup	NumsPy(T)
Domain names	Domaincrawler.com	easyWhois	Who.is
Breach records	Hudson Rock	deHashed	Ashley Madison Emails
IP addresses	MaxMind Demo	My IP Address	IP Fingerprints - Reverse IP Lookup

### Task 3:

#### Healthcare:

#### Reliance Health (Nigeria):

source(s): crunchbase Whois & DnB Hoover

Vital Information: Founded in 2015 by Femi Kuti (CEO), Matthew Mayaki & Opeyemi Olumekun (COO), they are a health tech company that uses technology to make quality healthcare more affordable in emerging markets using an integrated approach that involves telemedicine and a combination of partner healthcare organisations. Their staff count is 250-500 people and their IP address is [141.193.213.10](#).

**mPharma (Ghana):**

source(s): crunchbase, ipfingerprints & DnB Hoover

Vital Information: Founded in June 2013 by James Rockson(CEO), Daniel Shoukimas (CPO), and James Finucane (CTO), and with a staff count of 1000 - 5000 people, they offer health insurance solutions to pharma companies, making it easier for patients to afford insurance claims. Their most recent round of funding was in January 2022. Their IP address is [54.77.245.20](#).

**Financial Services:**

**NIBSS(Nigeria):**

source(s): crunchbase, Whois & DnB Hoover

Vital Information: Nigeria Interbank Settlement System, incorporated in 1993 and commenced operations in 1994. They are responsible for the infrastructure for handling interbank funds transfers and settlements, They also operate the Nigeria Automated Clearing System (NACS) for facilitating electronic clearing of cheques and other paper based financial instruments. They have a staff count of 101 to 250 people, and the current CEO is Folashodun Adebisi Shounbi. Their IP address is 104.22.57.169.

**GHIPSS(Ghana):**

source(s): crunchbase, aihit & DnB Hoover

Vital Information: Ghana Interbank Payment and Settlement Systems Limited. A financial services firm that implements and manages interoperable payment systems for banks and non-bank financial institutions. Founded in May of 2007, the current CEO is Archie Hasse, and they have a staff count of between 50 and 100 people. Their IP address is 69.175.44.34.

**Retail & Ecommerce:**

**Arik Air (Nigeria):**

source: flightradar24.

Vital Information: Founded in 2006, Arik Air has a fleet of 9 aircraft, including 1 Boeing 737-7GL, one Boeing 737-8JE, 3 Mitsubishi CRJ-900ERs, and 4 De Havilland Canada Dash 8-400s. Their flight routes for the next 7 days include the following cities: Ikeja, Asaba, Jos, Port Harcourt, Warri, Benin, and Abuja. Their IP address is [35.195.44.168](#).

**Africa World Airlines(Ghana):**

source: flightradar24.

Vital Information: Founded in 2010, Africa World Airlines has a fleet of 8 Embraer ERJ-145LI aircraft. Their flight routes for the next 7 days include the following cities: Ikeja, Abuja, Accra, Kumasi, Takoradi, and Tamale. Their IP address is [69.163.175.81](#).