Sidratul Afrida

ID: 2111263

Ans to the question no Case-01

┌──(root💀kali)-[~]

└─# **cd /media/sf_Mid_Term**

┌──(root💀kali)-[/media/sf_Mid_Term]

└─# **exiftool img1.jpg**

┌──(root💀kali)-[/media/sf_Mid_Term]

└─# **exiftool img2.jpg**

1. When was the photo taken

   a. For img1

   ```
   Date/Time Original          : 2024:09:25 21:16:00
   Create Date                 : 2024:09:25 21:16:00
   Offset Time Original        : +06:00
   ```

   b. For_img2

   ```
   Create Date                 : 2024:09:25 22:18:34.529
   Date/Time Original          : 2024:09:25 22:18:34.529+06:00
   ```

2. Who is the device manufacturer?

   a. For img1

   ```
   Make                        : OPPO
   Camera Model Name           : OPPO A95
   Orientation                 : Horizontal (normal)
   ```

   b. For_img2

   ```
   Make                        : OPPO
   Camera Model Name           : OPPO A95
   Orientation                 : Horizontal (normal)
   ```

3. What encoding process is maintained?

   a. For_img1

   ```
   Encoding Process            : Baseline DCT, Huffman coding
   ```

   b. For_img2

   ```
   Encoding Process            : Baseline DCT, Huffman coding
   ```

4. What is the image height of this sample?

   a. For_img1

   ```
   Image Height                : 4000
   ```

   b. For_img2

   ```
   Image Height                : 4000
   ```

5. What time was the photo originally taken?

   a. For_img1

   ```
   Date/Time Original          : 2024:09:25 22:18:34
   ```

b. For_img2

```
Date/Time Original              : 2024:09:25 22:18:34.529+06:00
```

Ans to the question no Case-02

1. Nmap: Nmap is a popular open-source tool used for network discovery and security auditing. It helps network administrators and security professionals scan and map networks, identify open ports, detect services, and discover devices on a network.

2. **ifconfig**

```
┌──(root㉿kali)-[/media/sf_Mid_Term]
└─# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.68.174  netmask 255.255.255.0  broadcast 192.168.68.255
        inet6 fe80::80c6:1fd3:476d:6717  prefixlen 64  scopeid 0×20<link>
        ether 08:00:27:08:25:c8  txqueuelen 1000  (Ethernet)
        RX packets 20801  bytes 1338967 (1.2 MiB)
```

3. nmap -sS 192.168.68.216

```
┌──(root㉿kali)-[~]
└─# nmap -sS 192.168.68.216
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-10-05 03:21 EDT
Nmap scan report for 192.168.68.216
Host is up (0.0051s latency).
Not shown: 991 closed tcp ports (reset)
PORT     STATE SERVICE
22/tcp   open  ssh
80/tcp   open  http
139/tcp  open  netbios-ssn
143/tcp  open  imap
443/tcp  open  https
445/tcp  open  microsoft-ds
5001/tcp open  commplex-link
8080/tcp open  http-proxy
8081/tcp open  blackice-icecap
MAC Address: 00:0C:29:2C:A7:B1 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 0.54 seconds
```

4. **nmap 192.168.68.216 -p 80 –sV**
ORT   STATE SERVICE VERSION
80/tcp open http   Apache httpd 2.2.14 ((Ubuntu) mod_mono/2.4.3 PHP/5.3.2-
1ubuntu4.30 with Suhosin-Patch proxy_html/3.0.1 mod_python/3.3.1 Python/2.6.5
mod_ssl/2.2.14 OpenSSL...)
MAC Address: 00:0C:29:2C:A7:B1 (VMware)

```
┌──(root💀kali)-[~]
└─# nmap 192.168.68.216 -p 80 -sV
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-10-05 03:24 EDT
Nmap scan report for 192.168.68.216
Host is up (0.0040s latency).

PORT    STATE SERVICE VERSION
80/tcp open  http    Apache httpd 2.2.14 ((Ubuntu) mod_mono/2.4.3 PHP/5.3.2-
1ubuntu4.30 with Suhosin-Patch proxy_html/3.0.1 mod_python/3.3.1 Python/2.6.
5 mod_ssl/2.2.14 OpenSSL ... )
MAC Address: 00:0C:29:2C:A7:B1 (VMware)

Service detection performed. Please report any incorrect results at https://
nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 6.64 seconds
```

5. **nmap 192.168.68.216 -p 80 -sV –O**
   Device type: general purpose
   Running: Linux 2.6.X
   OS CPE: cpe:/o:linux:linux_kernel:2.6
   OS details: Linux 2.6.17 - 2.6.36

```
┌──(root💀kali)-[~]
└─# nmap 192.168.68.216 -p 80 -sV -O
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-10-05 03:29 EDT
Nmap scan report for 192.168.68.216
Host is up (0.017s latency).

PORT    STATE SERVICE VERSION
80/tcp open  http    Apache httpd 2.2.14 ((Ubuntu) mod_mono/2.4.3 PHP/5.3.2-
1ubuntu4.30 with Suhosin-Patch proxy_html/3.0.1 mod_python/3.3.1 Python/2.6.
5 mod_ssl/2.2.14 OpenSSL ... )
MAC Address: 00:0C:29:2C:A7:B1 (VMware)
Warning: OSScan results may be unreliable because we could not find at least
 1 open and 1 closed port
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.17 - 2.6.36
Network Distance: 1 hop
```