



WRITE-UP CTF ATTACK & DEFENSE CYBERITECH.RAR POLITEKNIK NEGERI BANJARMASIN

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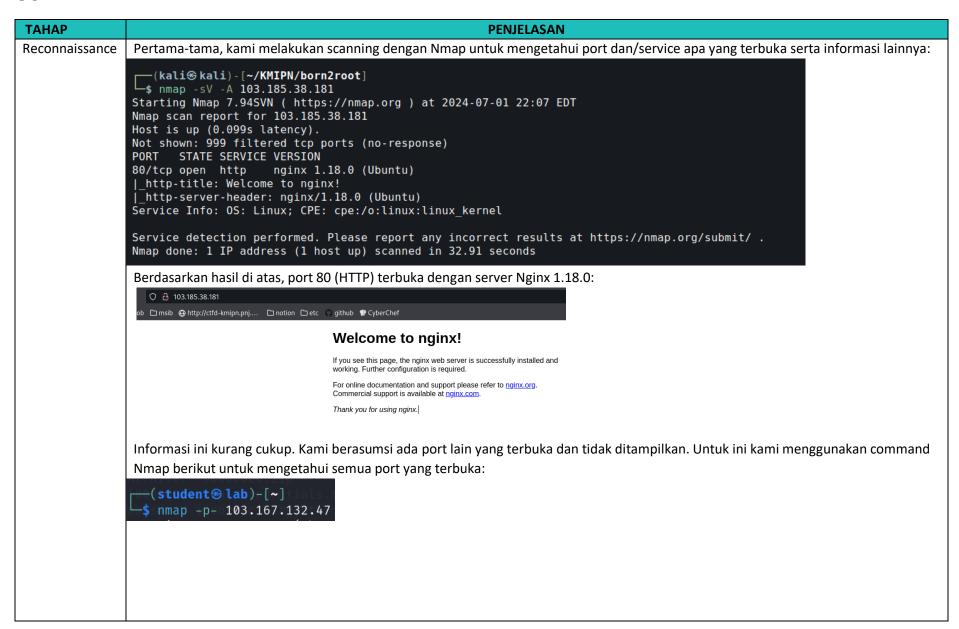


KOMPETISI MAHASISWA INFORMATIKA POLITEKNIK NASIONAL (KMIPN) VI POLITEKNIK NEGERI JAKARTA 2024





USER







```
Host is up (0.0085s latency).
Not shown: 65416 filtered tcp ports (no-response), 115 filtered tcp ports (host-unreach)
PORT STATE SERVICE
21/tcp open ftp
25/tcp closed smtp
53/tcp open domain
80/tcp open http

Nmap done: 1 IP address (1 host up) scanned in 261.94 seconds
```

Ternyata port dan/service lain yang terbuka adalah 21 (FTP). Dengan terbukanya port ini, kami bisa mulai eksploitasi dengan mengakses file-file di server dan meng-copy nya ke sistem kami untuk dianalisis.

Berikut hasil reconn dari Nmap berdasarkan hint yang diberikan. Kami menemukan 2 port SMBD (1139 dan 1145):

```
STATE SERVICE
PORT
                         VERSION
21/tcp open ftp
                         vsftpd 3.0.5
 ftp-anon: Anonymous FTP login allowed (FTP code 230)
 drwxr-xr-x 2 ftp
                        ftp
                                      4096 Apr 29 16:30 2024_04_backup
 drwxr-xr-x 2 ftp
                         ftp
ftp
ftp
                         ftp
                                      4096 Jun 23 08:42 2024 05 backup
                                      4096 Jun 23 08:39 2024 06 backup
 drwxr-xr-x 2 ftp
                                      4096 Jul 01 2024 2024 07 backup
 drwxr-xr-x 2 ftp
 ftp-syst:
  STAT:
 FTP server status:
      Connected to ::ffff:116.197.133.110
      Logged in as ftp
      TYPE: ASCII
      No session bandwidth limit
      Session timeout in seconds is 300
      Control connection is plain text
      Data connections will be plain text
      At session startup, client count was 2
      vsFTPd 3.0.5 - secure, fast, stable
 End of status
22/tcp open ssh
                         OpenSSH 8.9p1 Ubuntu 3ubuntu0.7 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
 3072 75:2c:78:1e:21:50:c1:13:17:1a:02:b3:73:14:c3:67 (RSA)
80/tcp open http
                         nginx 1.18.0 (Ubuntu)
| http-title: Welcome to nginx!
81/tcp open http
                         nginx 1.18.0 (Ubuntu)
| http-server-header: nginx/1.18.0 (Ubuntu)
| http-title: Welcome to nginx!
1139/tcp open netbios-ssn Samba smbd 4.6.2
1445/tcp open netbios-ssn Samba smbd 4.6.2
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel
```

Berikut hasil directory scanning dari port 81:





sfer.txt	I	tcp_81_http_nikto.txt	t 🔓 tcp	_81_http_nmap.txt	patterns.log	commands.log	local.txt	full_tcp_nmap.txt	tcp_81_http_feroxbuster_dirbuster.txt ×	▶ ≣ "
results			tcp81 > 🗎 tc							
1		Configuration {								B/Ottlemene
257		collect_word	ds: false							
258		force_recursion: false,								
259		update_app: false,								
260		}								
261		200 GET	251	69w	612c http://10	3.167.132.47:81/				
262		200 GET	8571	4310w 74	4447c <u>http://10</u>	3.167.132.47:81/in	fo.php			
263		200 GET	151	125w 14	4153c <u>http://10</u>	3.167.132.47:81/pr	ospective/med	lia/slide4.png		
264		200 GET	291	133w 15	5312c <u>http://10</u>	3.167.132.47:81/pr	ospective/med	lia/slide2.png		
265		200 GET	151	120w 13	3018c http://10	3.167.132.47:81/pr	ospective/med	lia/slidel.png		
266		200 GET	91	56w 3	3929c <u>http://10</u>	3.167.132.47:81/pr	ospective/tem	nplates/images/ritecm	s36.png	
267		200 GET	231	125w 15	5050c <u>http://10</u>	3.167.132.47:81/pr	ospective/med	lia/slide5.png		
268		200 GET	341	140w 15	5939c <u>http://10</u>	3.167.132.47:81/pr	ospective/med	lia/slide3.png		
269		200 GET	71	39w 2	2010c http://10	3.167.132.47:81/pr	ospective/tem	nplates/images/ritecm	s-powered.png	
270		2 00 GET	431	298w 4	4030c http://10	3.167.132.47:81/pr	ospective/			





Exploitation

Kami jalankan FTP terhadap IP target, dan berhasil masuk:

```
(student⊕lab)-[~/KMIPN]
$ ftp 103.167.132.47
Connected to 103.167.132.47.
220 (vsFTPd 3.0.5)
Name (103.167.132.47:student): anonymous
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
```

Setelah dilihat isi direktori, ditemukan beberapa folder sbb:

```
ftp> ls
229 Entering Extended Passive Mode (|||58624|)
150 Here comes the directory listing.
drwxr-xr-x
             2 ftp
                         ftp
                                     4096 Apr 29 16:30 2024 04 backup
drwxr-xr-x
             2 ftp
                        ftp
                                     4096 Jun 23 08:42 2024 05 backup
drwxr-xr-x
             2 ftp
                        ftp
                                     4096 Jun 23 08:39 2024 06 backup
drwxr-xr-x
             2 ftp
                        ftp
                                     4096 Jul 01 12:20 2024 07 backup
226 Directory send OK.
ftp>
```

Terdapat beberapa file di setiap folder. Dilihat dari namanya, file-file ini sepertinya memiliki informasi penting:

```
ftp> cd 2024 04 backup
250 Directory successfully changed.
ftp> ls
229 Entering Extended Passive Mode (|||62854|)
150 Here comes the directory listing.
-rw-r--r--
             1 ftp
                         ftp
                                     75669 Apr 20 12:20 Database.zip
-rw-r--r--
              1 ftp
                         ftp
                                     37062 Apr 20 12:20 db_export-1.sql
-rw-r--r--
             1 ftp
                        ftp
                                     37062 Apr 20 12:20 db export-2.sql
             1 ftp
-rw-r--r--
                         ftp
                                    37062 Apr 20 12:20 db export-3.sql
226 Directory send OK.
ftp> cd ../2024_05_backup
250 Directory successfully changed.
ftp> ls
229 Entering Extended Passive Mode (|||58354|)
150 Here comes the directory listing.
              1 ftp
                                       225 May 20 10:20 backup_creds.zip
-rw-r--r--
                         ftp
             1 ftp
                         ftp
                                     37062 May 24 11:20 db_export-development.sql
-rw-r--r--
-rw-r--r--
             1 ftp
                         ftp
                                     37062 May 24 11:20 db export-prod.sql
226 Directory send OK.
ftp> cd ../2024 06 backup
250 Directory successfully changed.
ftp> ls
229 Entering Extended Passive Mode (|||26749|)
150 Here comes the directory listing.
-rw-r--r--
             1 ftp
                        ftp
                                      843 Jun 23 08:29 backup.zip
             1 ftp
                                    37062 Jun 23 08:29 db.sql
-rw-r--r--
                        ftp
                                    75669 Jun 23 08:12 old-site.zip
           1 ftp
                        ftp
-rw-r--r--
226 Directory send OK.
ftn> cd /2024 07 backup
```



