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Date:28-02-2023

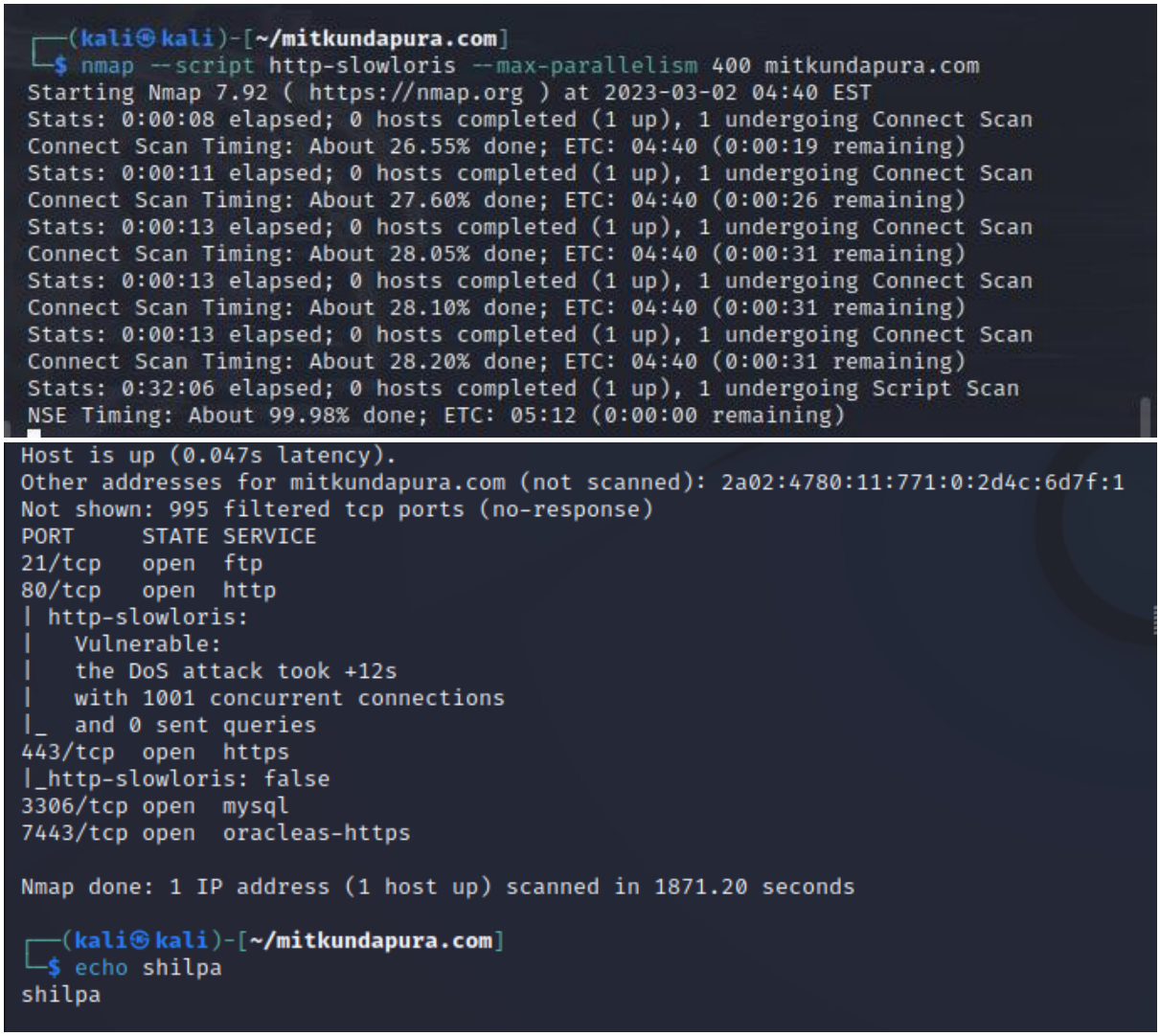
Task:1

1. **Dos attack using nmap:**

The nmap scripting engine has numerous scripts that can be used to perform dos attack.This specific recipe will demonstrate how to locate dos scripts,identity the usage of the script.

command:

$ nmap –script http-slowloris –max-parallelism 400 mitkundapura.com



2. **Sql empty password enumeration scanning using nmap:**

Nmap is one of the most popular tool used for the enumeration of the target host.Nmap can use scans that provide os,version and service detection for individual or multiple devices.

Command:

$nmap –p –script ms-sql-info –script-args mssql.instance-port=1433 mitkundapura.com

```
┌──(kali㉿kali)-[~]
└─$ nmap -p 1433 --script ms-sql-info --script-args mssql.instance-port=1433 mitkundapura.com
Starting Nmap 7.92 ( https://nmap.org ) at 2023-03-02 23:12 EST
Nmap scan report for mitkundapura.com (217.21.87.244)
Host is up (0.14s latency).
Other addresses for mitkundapura.com (not scanned): 2a02:4780:11:771:0:2d4c:6d7f:1

PORT     STATE    SERVICE
1433/tcp filtered ms-sql-s

Nmap done: 1 IP address (1 host up) scanned in 20.18 seconds
┌──(kali㉿kali)-[~]
└─$ echo shilpa
shilpa
```

3. **Vulnerability scan using nmap:**

One of the most well known vulnerability scanner is nmap_vulner.The nmap script engine searches HTTP responses to identity CPE's for the script.

Command:

$ nmap -sV --script vuln mitkundapura.com

```
┌──(kali㉿kali)-[~]
└─$ nmap -sV --script vuln mitkundapura.com
Starting Nmap 7.92 ( https://nmap.org ) at 2023-02-28 04:05 EST
Stats: 0:04:21 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE Timing: About 99.75% done; ETC: 04:10 (0:00:00 remaining)
Stats: 0:05:47 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE Timing: About 99.75% done; ETC: 04:11 (0:00:01 remaining)
Stats: 0:08:09 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE Timing: About 99.75% done; ETC: 04:14 (0:00:01 remaining)
Stats: 0:10:29 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE Timing: About 99.75% done; ETC: 04:16 (0:00:01 remaining)
Stats: 0:10:42 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE Timing: About 99.75% done; ETC: 04:16 (0:00:01 remaining)
Stats: 0:12:36 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE Timing: About 98.48% done; ETC: 04:18 (0:00:00 remaining)
Nmap scan report for mitkundapura.com (217.21.87.244)
Host is up (0.11s latency).
Other addresses for mitkundapura.com (not scanned): 2a02:4780:11:771:0:2d4c:6d7f:1
Not shown: 994 filtered tcp ports (no-response)
PORT     STATE SERVICE   VERSION
21/tcp   open  ftp       ProFTPD or KnFTPD
| ssl-dh-params:
|   VULNERABLE:
|   Diffie-Hellman Key Exchange Insufficient Group Strength
|     State: VULNERABLE
|       Transport Layer Security (TLS) services that use Diffie-Hellman groups
|       of insufficient strength, especially those using one of a few commonly
|       shared groups, may be susceptible to passive eavesdropping attacks.
|     Check results:
|       WEAK DH GROUP 1
|             Cipher Suite: TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA
|             Modulus Type: Safe prime
|             Modulus Source: Unknown/Custom-generated
|             Modulus Length: 1024
```

```
SF-Port443-TCP:V=7.92%T=SSL%I=7%D=2/28%Time=63FDF9DC%P=x86_64-pc-linux-gnu
SF:%r(GetRequest,3BD,"HTTP/1\.0\x20403\x20Forbidden\r\nConnection:\x20clos
SF:e\r\ncache-control:\x20private,\x20no-cache,\x20no-store,\x20must-reval
SF:idate,\x20max-age=0\r\npragma:\x20no-cache\r\ncontent-type:\x20text/htm
SF:l\r\ncontent-length:\x20699\r\ndate:\x20Tue,\x2028\x20Feb\x202023\x2012
SF::54:58\x20GMT\r\nserver:\x20LiteSpeed\r\nplatform:\x20hostinger\r\n\r\n
SF:<!DOCTYPE\x20html>\n<html\x20style=\"height:100%\">\n<head>\n<meta\x20n
SF:ame=\"viewport\"\x20content=\"width=device-width,\x20initial-scale=1,\x
SF:20shrink-to-fit=no\"\x20/>\n<title>\x20403\x20Forbidden\r\n</title></he
SF:ad>\n<body\x20style=\"color:\x20#444;\x20margin:0;font:\x20normal\x2014
SF:px/20px\x20Arial,\x20Helvetica,\x20sans-serif;\x20height:100%;\x20backg
SF:round-color:\x20#fff;\">\n<div\x20style=\"height:auto;\x20min-height:10
SF:0%;\x20\">\x20\x20\x20\x20\x20<div\x20style=\"text-align:\x20center;\x2
SF:0width:800px;\x20margin-left:\x20-400px;\x20position:absolute;\x20top:\
SF:x2030%;\x20left:50%;\">\n\x20\x20\x20\x20\x20\x20\x20\x20<h1\x20style=\
SF:"margin:0;\x20font-size:150px;\x20line-height:150px;\x20font-weight:bol
SF:d;\">403</h1>\n<h2\x20style=\"margin-top:20px;font-size:\x2030px;\">For
SF:bidden\r\n</h2>\n<p>Access\x20to\x20this\x20resource");
Service Info: OS: Unix

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 113.07 seconds
```

```
┌──(kali㉿kali)-[~]
└─$ echo shilpa
shilpa
```

4. **<u>Create a password list using charecters “fghy” the password should be minimum and maximum length 4 letters using tool crunch</u>**

Crunch is a security tool that can be used for legitimate security testing and auditing purposes,and its usage should comply with ethical and legal guidelinesit is not ethical to use to perform any malicious activity.

Command:

$crunch 4 4 fghy –o pass.txt

```
┌──(kali㉿kali)-[~]
└─$ crunch 4 4 fghy -O pass.txt
Crunch will now generate the following amount of data: 1280 bytes
0 MB
0 GB
0 TB
0 PB
Crunch will now generate the following number of lines: 256
ffff
fffg
fffh
fffy
ffgf
ffgg
ffgh
ffgy
ffhf
```

```
┌──(kali㉿kali)-[~]
└─$ echo shilpa
shilpa
```

5. **Wordpress scan using nmap:**

Word press as a publishing platform,security testing is the important part of ensuring the installation is secure.Nmap has a couple of NSE scripts specifically for the testing of wordpress installations.

Command:

$nmap -sV --script http-wordpress-enum mitkundapura.com

```
┌──(kali㉿kali)-[~]
└─$ nmap -sV --script http-wordpress-enum mitkundapura.com
Starting Nmap 7.92 ( https://nmap.org ) at 2023-02-28 04:25 EST
Stats: 0:00:35 elapsed; 0 hosts completed (1 up), 1 undergoing Connect Scan
Connect Scan Timing: About 10.80% done; ETC: 04:30 (0:04:49 remaining)
NSE: [http-wordpress-enum] got no answers from pipelined queries
NSE: [http-wordpress-enum] got no answers from pipelined queries
NSE: [http-wordpress-enum] got no answers from pipelined queries
Nmap scan report for mitkundapura.com (217.21.87.244)
Host is up (0.13s latency).
Other addresses for mitkundapura.com (not scanned): 2a02:4780:11:771:0:2d4c:6d7f:1
Not shown: 984 filtered tcp ports (no-response), 11 filtered tcp ports (host-unreach)
PORT    STATE SERVICE    VERSION
21/tcp  open  ftp        ProFTPD or KnFTPD
80/tcp  open  http       LiteSpeed
| fingerprint-strings:
|   GetRequest, HTTPOptions:
|     HTTP/1.0 403 Forbidden
|     Connection: close
|     cache-control: private, no-cache, no-store, must-revalidate, max-age=0
|     pragma: no-cache
|     content-type: text/html
|     content-length: 699
|     date: Tue, 28 Feb 2023 09:27:17 GMT
|     server: LiteSpeed
|     platform: hostinger
|     <!DOCTYPE html>
|     <html style="height:100%">
|     <head>
|     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fi
```

```
SF:;\">403</h1>\n<h2\x20style=\"margin-top:20px;font-size:\x2030px;\">Forb
SF:idden\r\n</h2>\n<p>Access\x20to\x20this\x20resource")%r(HTTPOptions,3BD
SF:,"HTTP/1\.0\x20403\x20Forbidden\r\nConnection:\x20close\r\ncache-contro
SF:l:\x20private,\x20no-cache,\x20no-store,\x20must-revalidate,\x20max-age
SF:=0\r\npragma:\x20no-cache\r\ncontent-type:\x20text/html\r\ncontent-leng
SF:th:\x20699\r\ndate:\x20Thu,\x2002\x20Mar\x202023\x2009:04:14\x20GMT\r\n
SF:server:\x20LiteSpeed\r\nplatform:\x20hostinger\r\n\r\n<!DOCTYPE\x20html
SF:>\n<html\x20style=\"height:100%\">\n<head>\n<meta\x20name=\"viewport\"\
SF:x20content=\"width=device-width,\x20initial-scale=1,\x20shrink-to-fit=n
SF:o\"\x20/>\n<title>\x20403\x20Forbidden\r\n</title></head>\n<body\x20sty
SF:le=\"color:\x20#444;\x20margin:0;font:\x20normal\x2014px/20px\x20Arial,
SF:\x20Helvetica,\x20sans-serif;\x20height:100%;\x20background-color:\x20#
SF:fff;\">\n<div\x20style=\"height:auto;\x20min-height:100%;\x20\">\x20\x2
SF:0\x20\x20\x20<div\x20style=\"text-align:\x20center;\x20width:800px;\x20
SF:margin-left:\x20-400px;\x20position:absolute;\x20top:\x2030%;\x20left:5
SF:0%;\">\n\x20\x20\x20\x20\x20\x20\x20\x20<h1\x20style=\"margin:0;\x20fon
SF:t-size:150px;\x20line-height:150px;\x20font-weight:bold;\">403</h1>\n<h
SF:2\x20style=\"margin-top:20px;font-size:\x2030px;\">Forbidden\r\n</h2>\n
SF:<p>Access\x20to\x20this\x20resource");
Service Info: OS: Unix

Service detection performed. Please report any incorrect results at https://nmap.o
rg/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 355.47 seconds

┌──(kali㉿kali)-[~]
└─$ echo shilpa
shilpa
```

6. **What is use of HTTrack?command to copy website?**

HTTrack is a free and open source website copying tool that allows you to download an entire website to your local computer for offline browsing.

Command for copying website:

$httrack mitkundapura.com

```
┌──(kali㉿kali)-[~]
└─$ httrack mitkundapura.com
Mirror launched on Thu, 02 Mar 2023 01:55:42 by HTTrack Website Copier/3.49-4+libhtsjava.so.2 [XR&CO'2014]
mirroring mitkundapura.com with the wizard help..
Done.mitkundapura.com/ (707 bytes) - 301
Thanks for using HTTrack!

┌──(kali㉿kali)-[~]
└─$ ls
2022-12-06-ZAP-Report-       backblue.gif  Documents  fade.gif  hts-cache    index.html       Music     Public       Templates  virus.exe     wordlist.txt
2022-12-06-ZAP-Report-.html  Desktop       Downloads  HEY.txt   hts-log.txt  mitkundapura.com  Pictures  shreyas.exe  Videos     wordlist.com

┌──(kali㉿kali)-[~]
└─$ cd mitkundapura.com

┌──(kali㉿kali)-[~/mitkundapura.com]
└─$ ls
index.html

┌──(kali㉿kali)-[~/mitkundapura.com]
└─$ cat index.html
<HTML>
<!-- Created by HTTrack Website Copier/3.49-4 [XR&CO'2014] -->

<!-- Mirrored from mitkundapura.com/ by HTTrack Website Copier/3.x [XR&CO'2014], Thu, 02 Mar 2023 06:55:46 GMT -->
<HEAD>
<META HTTP-EQUIV="Content-Type" CONTENT="text/html;charset=UTF-8"><META HTTP-EQUIV="Refresh" CONTENT="0; URL=index.html"><TITLE>Page has moved</TITLE>
</HEAD>
<BODY>
<A HREF="index.html"><h3>Click here... </h3></A>
</BODY>
<!-- Created by HTTrack Website Copier/3.49-4 [XR&CO'2014] -->

<!-- Mirrored from mitkundapura.com/ by HTTrack Website Copier/3.x [XR&CO'2014], Thu, 02 Mar 2023 06:55:46 GMT -->
```

```
┌──(kali㉿kali)-[~]
└─$ echo shilpa
shilpa
```