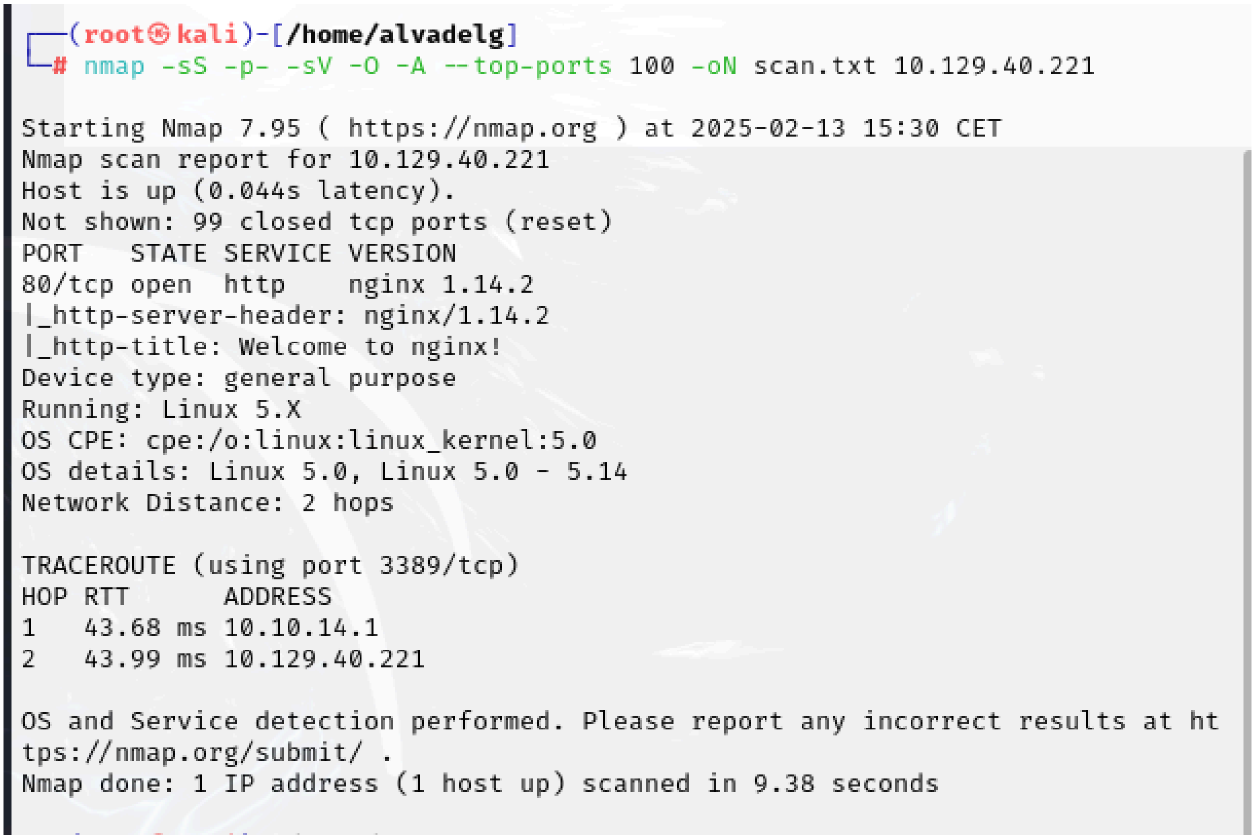


```
┌──(root㉿kali)-[/home/alvadelg]
└─# nmap -sS -p- -sV -O -A --top-ports 100 -oN scan.txt 10.129.40.221

Starting Nmap 7.95 ( https://nmap.org ) at 2025-02-13 15:30 CET
Nmap scan report for 10.129.40.221
Host is up (0.044s latency).
Not shown: 99 closed tcp ports (reset)
PORT   STATE SERVICE VERSION
80/tcp open  http    nginx 1.14.2
|_http-server-header: nginx/1.14.2
|_http-title: Welcome to nginx!
Device type: general purpose
Running: Linux 5.X
OS CPE: cpe:/o:linux:linux_kernel:5.0
OS details: Linux 5.0, Linux 5.0 - 5.14
Network Distance: 2 hops

TRACEROUTE (using port 3389/tcp)
HOP RTT      ADDRESS
1   43.68 ms 10.10.14.1
2   43.99 ms 10.129.40.221

OS and Service detection performed. Please report any incorrect results at ht
tps://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 9.38 seconds
```

nmap -sS -p- -sV -O -A --top-ports 100 -oN scan.txt <target-ip>

Directory Brute-forcing is a technique used to check a lot of paths on a web server to find hidden pages. Which is another name for this? (i) Local File Inclusion, (ii) dir busting, (iii) hash cracking.

dir busting

What switch do we use for nmap's scan to specify that we want to perform version detection

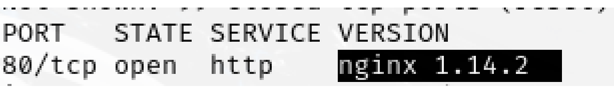
-sV

What does Nmap report is the service identified as running on port 80/tcp?

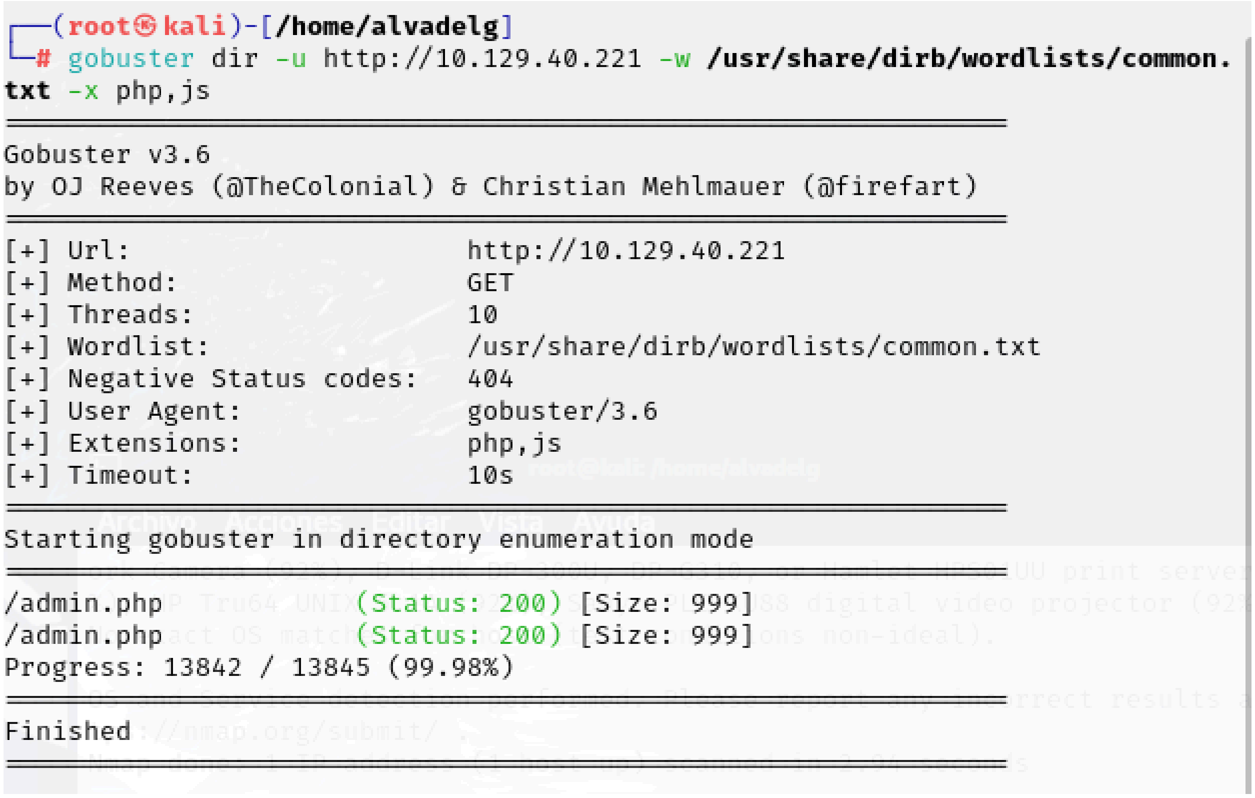
Http

What switch do we use to specify to Gobuster we want to perform dir busting specifically?

nginx 1.14.2



```
PORT   STATE SERVICE VERSION
80/tcp open  http    nginx 1.14.2
```



```
┌──(root㉿kali)-[/home/alvadelg]
└─# gobuster dir -u http://10.129.40.221 -w /usr/share/dirb/wordlists/common.
txt -x php,js
===============================================================
Gobuster v3.6
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
===============================================================
[+] Url:                     http://10.129.40.221
[+] Method:                  GET
[+] Threads:                 10
[+] Wordlist:                /usr/share/dirb/wordlists/common.txt
[+] Negative Status codes:   404
[+] User Agent:              gobuster/3.6
[+] Extensions:              php,js
[+] Timeout:                 10s
===============================================================
Starting gobuster in directory enumeration mode
===============================================================
/admin.php           (Status: 200) [Size: 999]
/admin.php           (Status: 200) [Size: 999]
Progress: 13842 / 13845 (99.98%)
===============================================================
Finished
===============================================================
```

What switch do we use to specify to Gobuster we want to perform dir busting specifically?

Dir

When using gobuster to dir bust, what switch do we add to make sure it finds PHP pages?

-x php

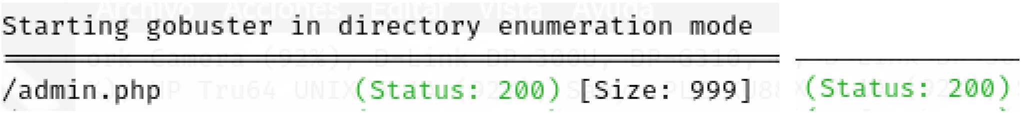
We can see that we have an /admin.php:

What page is found during our dir busting activities?

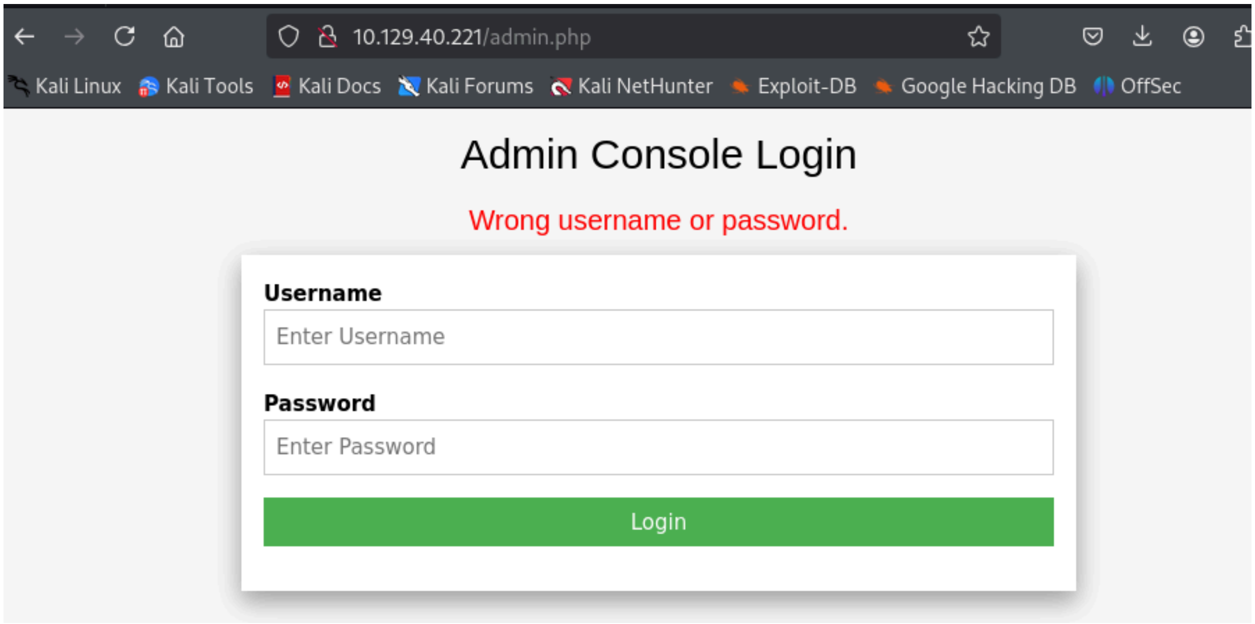
admin.php

What is the HTTP status code reported by Gobuster for the discovered page?

200



```
Starting gobuster in directory enumeration mode
===============================================================
/admin.php            (Status: 200) [Size: 999]   (Status: 200)
```



Admin Console Login

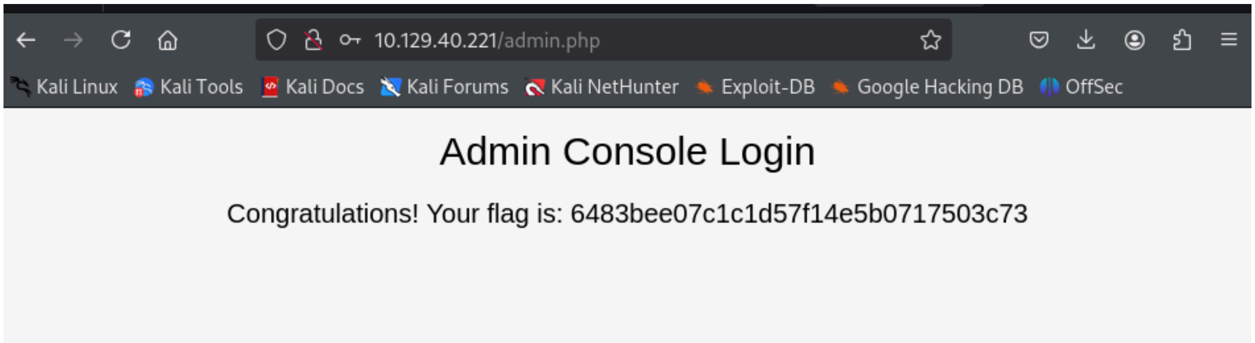
Wrong username or password.

Username: Enter Username

Password: Enter Password

Login

Let's try with admin as a user and admin as a password



Admin Console Login

Congratulations! Your flag is: 6483bee07c1c1d57f14e5b0717503c73