



TARGET MACHINE IP ADDRESS  
**10.129.1.14**

1. What does the 3-letter acronym FTP stand for?

**Answer: File Transfer Protocol**

2. Which port does the FTP service listen on usually?

**Answer: 21**

3. FTP sends data in the clear, without any encryption. What acronym is used for a later protocol designed to provide similar functionality to FTP but securely, as an extension of the SSH protocol?

**Answer: SFTP**

4. What is the command we can use to send an ICMP echo request to test our connection to the target?

**Answer: ping**

5. From your scans, what version is FTP running on the target?

```
(kali㉿kali)-[~/Desktop/HTB/labs]
$ nmap -Pn -sV -p 21 10.129.1.14
Starting Nmap 7.95 ( https://nmap.org ) at 2025-07-27 06:51 EDT
Nmap scan report for 10.129.1.14
Host is up (0.068s latency).

PORT      STATE SERVICE VERSION
21/tcp    open  ftp      vsftpd 3.0.3
Service Info: OS: Unix
```

**Answer: vsftpd 3.0.3**

6. From your scans, what OS type is running on the target?

**Answer: Unix**

7. What is the command we need to run in order to display the 'ftp' client help menu?

**Answer: ftp -?**

8. What is username that is used over FTP when you want to log in without having an account?

```
(kali㉿kali)-[~/Desktop/HTB/labs]
$ ftp 10.129.1.14
Connected to 10.129.1.14.
220 (vsFTPd 3.0.3)
Name (10.129.1.14:kali): anonymous
331 Please specify the password.
Password:
230 Login successful.
```

**Answer: anonymous**

9. What is the response code we get for the FTP message 'Login successful'?

**Answer: 230**

10. There are a couple of commands we can use to list the files and directories available on the FTP server. One is dir. What is the other that is a common way to list files on a Linux system.

```
ftp> ls
229 Entering Extended Passive Mode (|||25292|)
150 Here comes the directory listing.
-rw-r--r--  1 0      0      32 Jun 04  2021 flag.txt
226 Directory send OK.
```

**Answer: ls**

11. What is the command used to download the file we found on the FTP server?

```
ftp> get flag.txt
local: flag.txt remote: flag.txt
229 Entering Extended Passive Mode (|||54617|)
150 Opening BINARY mode data connection for flag.txt (32 bytes).
100% |*****|
226 Transfer complete.
32 bytes received in 00:00 (0.42 KiB/s)
```

**Answer: get**

12. Submit root flag.

```
(kali㉿kali)-[~/Desktop/HTB/labs]
$ cat flag.txt
035db21c881520061c53e0536e44f815
```

**Answer: 035db21c881520061c53e0536e44f815**