

Exp:no:8

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BUILDING ANONYMOUS FTP SCANNER USING FTPLIB MODULE

AIM:

Check if an FTP server allows anonymous login and get its welcome message and file list.

ALGORITHM:

- 1.Try to connect the FTP server.
- 2.Read the server's welcome message(banner).
- 3.Try to log in using username:anonymous and password:anonymous
- 4.If login is successful , anonymous login is allowed.
- 5.Optionally, list files in the root directory.
- 6.If login fails or connection fails, report failure.

PROGRAM:

```
import ftplib

def anonymousLogin(hostname):

    try:

        ftp = ftplib.FTP(hostname)

        response = ftp.login('anonymous', 'anonymous')

        print(response)
```

if "230 Anonymous access granted" in response:

```
print('\n[*]' + str(hostname) + ' FTP Anonymous Login  
Succeeded.')
```

```
print(ftp.getwelcome())
```

```
ftp.dir()
```

except Exception as e:

```
print(str(e))
```

```
print('\n[-]' + str(hostname) + ' FTP Anonymous Login Failed.')
```

```
hostname = 'ftp.be.debian.org'
```

```
anonymousLogin(hostname)
```

OUTPUT:

```
Microsoft Windows [Version 10.0.26100.1457]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\user>cd C:\Users\user\OneDrive\Documents  
  
C:\Users\user\OneDrive\Documents>python anonymous.py 172.16.10.126  
230-Welcome to mirror.as35701.net.  
  
The server is located in Brussels, Belgium.  
  
Server connected with gigabit ethernet to the internet.  
  
The server maintains software archive accessible via ftp, http, https and rsync.  
  
ftp.be.debian.org is an alias for this host, but https will not work with that  
alias. If you want to use https use mirror.as35701.net.  
  
Contact: mirror-admin at as35701.net  
  
230 Anonymous access granted, restrictions apply  
  
[*] ftp.be.debian.org FTP Anonymous Login Succeeded.  
220 ProFTPD Server (mirror.as35701.net) [::ffff:195.234.45.114]  
drwxr-xr-x 9 ftp ftp 4096 Oct 6 08:38 debian  
drwxr-xr-x 5 ftp ftp 105 Sep 7 06:58 debian-cd  
drwxr-xr-x 7 ftp ftp 4096 Oct 5 12:31 debian-security  
drwxr-xr-x 5 ftp ftp 4096 Oct 13 2006 ftp.irc.org  
-rw-r--r-- 1 ftp ftp 717 Apr 15 08:10 HEADER.html  
drwxr-xr-x 5 ftp ftp 4096 Oct 6 07:25 mint  
drwxr-xr-x 5 ftp ftp 49 May 16 11:49 mint-iso  
lrwxrwxrwx 1 ftp ftp 33 Apr 29 2021 pub -> /var/www/html/www.kernel.org/pub/  
drwxr-xr-x 7 ftp ftp 4096 Oct 6 04:44 ubuntu  
drwxr-xr-x 39 ftp ftp 4096 Oct 6 07:24 ubuntu-cdimage  
drwxr-xr-x 32 ftp ftp 4096 Oct 6 07:30 ubuntu-cloudimages  
drwxr-xr-x 7 ftp ftp 4096 Oct 6 05:28 ubuntu-ports  
drwxr-xr-x 16 ftp ftp 4096 Oct 6 01:24 ubuntu-releases  
drwxr-xr-x 25 ftp ftp 303 Oct 6 07:02 video.fosdem.org  
-rw-r--r-- 1 ftp ftp 390 Jul 9 2021 welcome.msg  
drwxr-xr-x 4 ftp ftp 4096 Jun 14 2023 www.kernel.org
```

RESULT:

1.Success

- Connected and logged in anonymously
- See welcome message
- See file list (if requested)

2.Failure

- Connected but anonymous login denied
- No file list