

Ex No. : 08

Anonymous FTP Scanner

Date: 23-09-2025

AIM:

To develop a Python script that connects to an FTP server and attempts to log in using anonymous credentials. The script aims to determine if the server permits anonymous access and, if successful, lists the accessible files and directories.

Algorithm:

1. Import Required Module:

Import the ftplib module to interact with FTP servers.

2. Define anonymousLogin Function:

This function attempts to connect to the specified FTP server and logs in using the username anonymous and password anonymous.

3. Handle Server Response:

- If the login is successful (i.e., the server responds with "230 Anonymous access granted"), print a success message.
- Display the server's welcome message.
- List the contents of the current directory.

4. Exception Handling:

If any errors occur during the connection or login process, catch the exception and print a failure message.

5. Main Execution:

- Define the target FTP server's hostname.
- Call the anonymousLogin function with the hostname.

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:

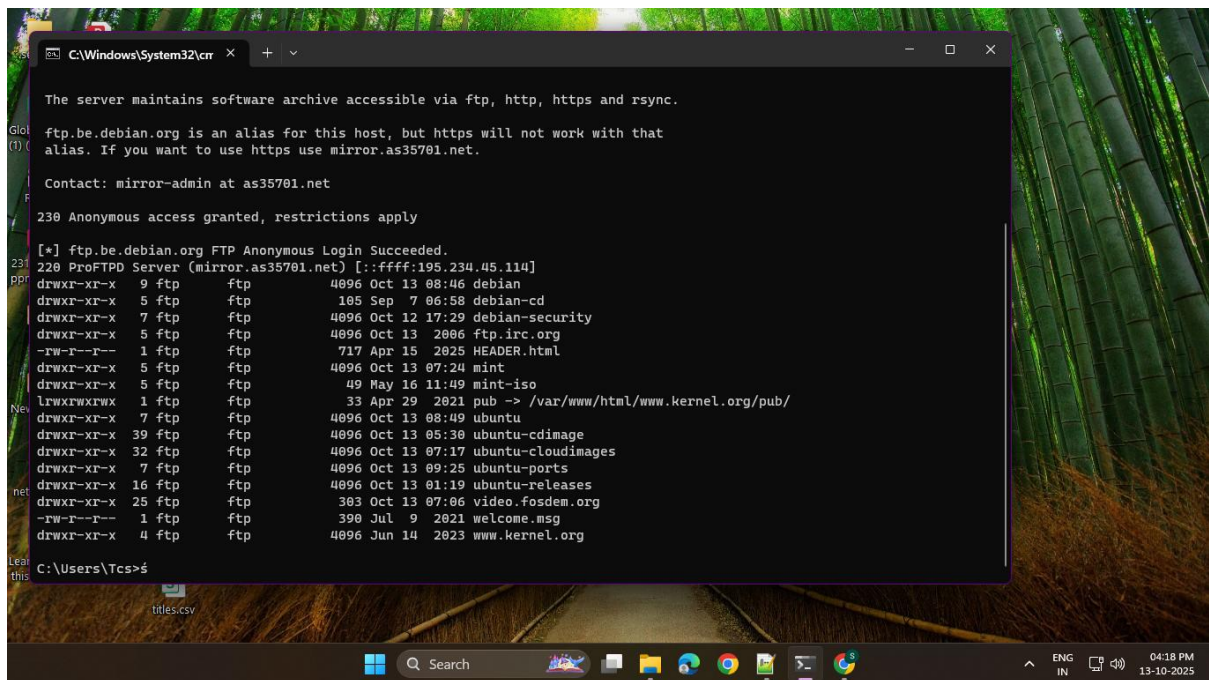
        print(str(e))

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

hostname = 'ftp.be.debian.org'

anonymousLogin(hostname)
```

OUTPUT:



```
C:\Windows\System32\cmd.exe
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 13 08:46 debian
drwxr-xr-x  5 ftp      ftp      1024 Sep  7 06:58 debian-cd
drwxr-xr-x  7 ftp      ftp      4096 Oct 12 17:29 debian-security
drwxr-xr-x  5 ftp      ftp      4096 Oct 13 2006 ftp.irc.org
-rw-r--r--  1 ftp      ftp      717 Apr 15 2025 HEADER.html
drwxr-xr-x  5 ftp      ftp      4096 Oct 13 07:24 mint
drwxr-xr-x  5 ftp      ftp      4096 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 13 08:49 ubuntu
drwxr-xr-x 39 ftp      ftp      4096 Oct 13 05:30 ubuntu-cdimage
drwxr-xr-x 32 ftp      ftp      4096 Oct 13 07:17 ubuntu-cloudimages
drwxr-xr-x  7 ftp      ftp      4096 Oct 13 09:25 ubuntu-ports
drwxr-xr-x 16 ftp      ftp      4096 Oct 13 01:19 ubuntu-releases
drwxr-xr-x 25 ftp      ftp      303 Oct 13 07:06 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

C:\Users\Tcs>ls
```

RESULT:

The script successfully identifies whether an FTP server allows anonymous access. It provides valuable information about the server's configuration, which can be useful for security assessments.