

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:

```
The server maintains software archive accessible via ftp, http, https and rsync.  
Global  
(i) 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]  
ppr drwxr-xr-x 9 ftp ftp 4096 Oct 13 08:46 debian  
drwxr-xr-x 5 ftp ftp 105 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 49 May 16 11:49 mint-iso  
lrwxrwxrwx 1 ftp ftp 33 Apr 29 2021 pub -> /var/www/html/www.kernel.org/pub/  
Net 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  
net 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  
Leave this C:\Users\Tcs>
```

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.