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ASSIGNMENT 11

Problem Statement :

Configuration of FTP server on windows

Methodology

Setting up an FTP (File Transfer Protocol) server on Windows involves a few steps.
Below is a general methodology to configure an FTP server on a Windows machine.
Please note that the steps might vary slightly depending on the specific version of
Windows you are using.
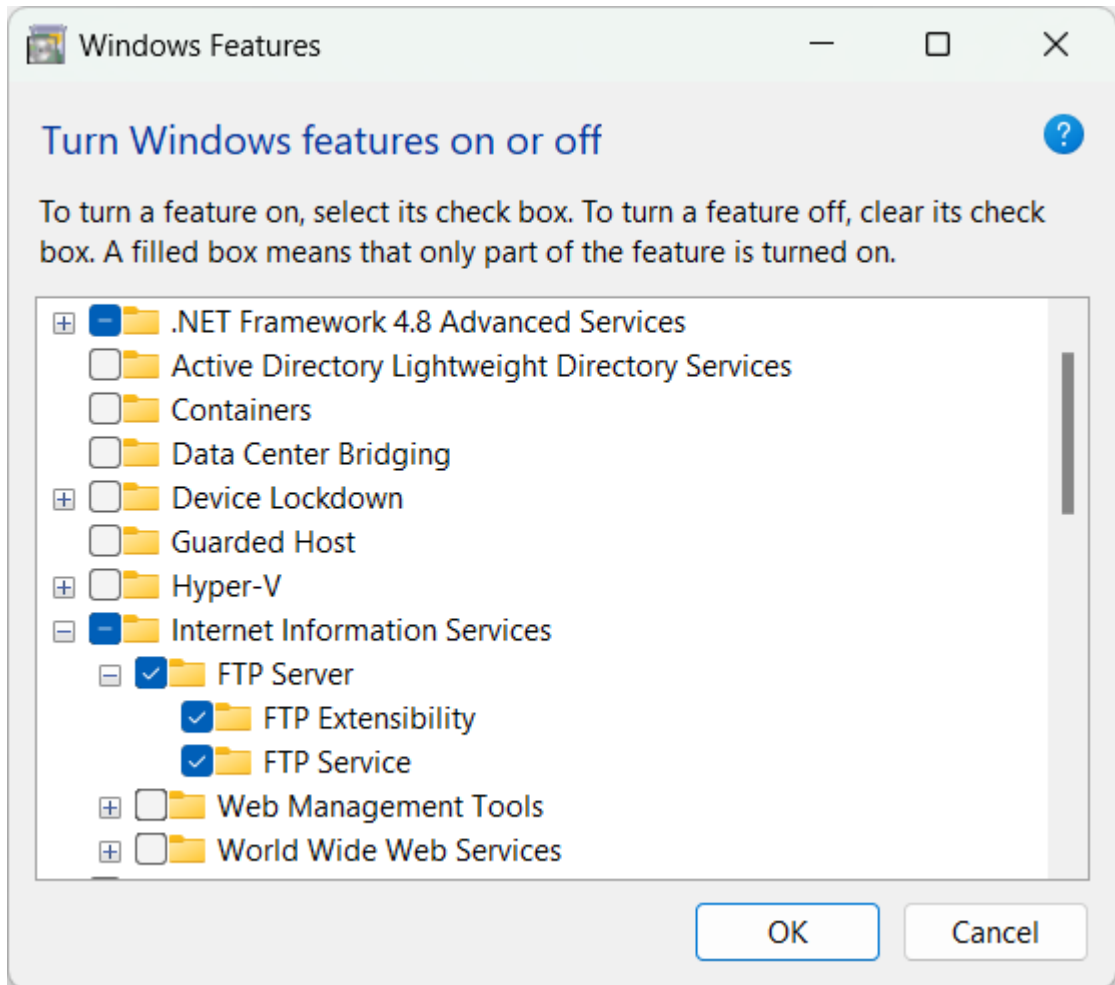
Step 1: Install the FTP Server Feature

1. Open the Control Panel on your Windows machine.

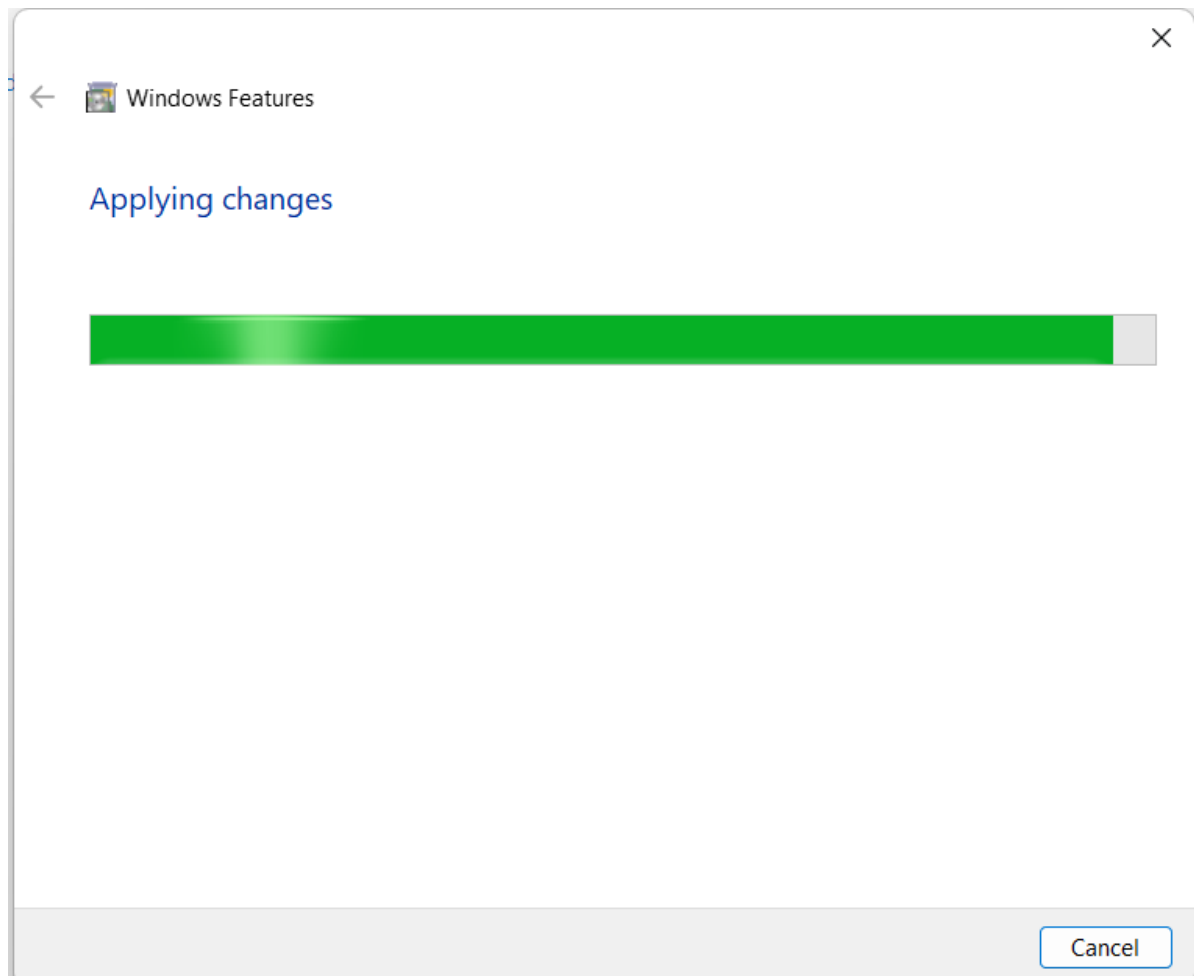2. Go to "Programs" and then select "Turn Windows features on or off."

3. In the Windows Features dialog, scroll down and find "Internet Information Services (IIS)."

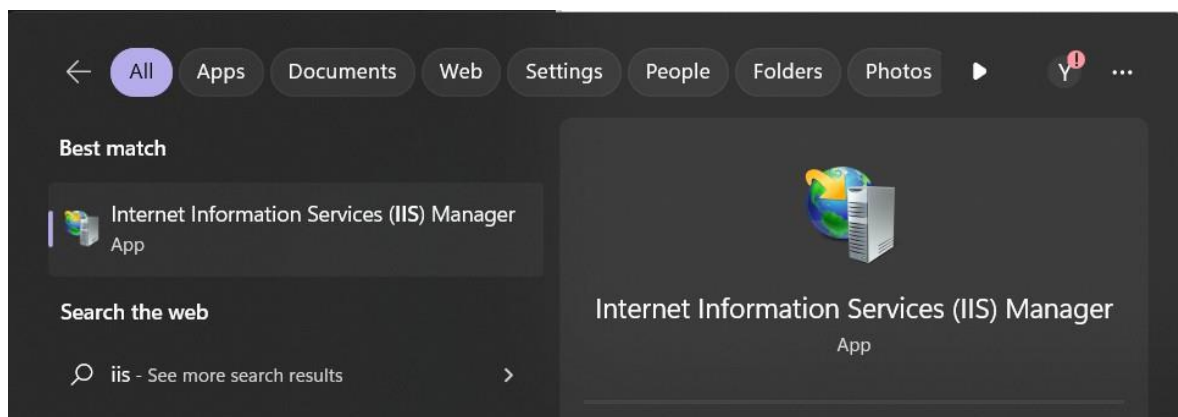4. Expand the node and locate "FTP Server." Check the box next to "FTP Server" to enable it.

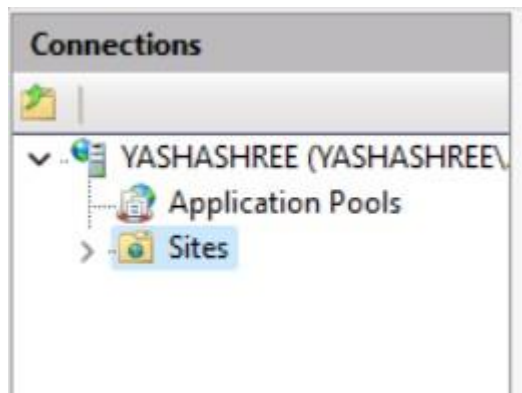5. Click "OK" to apply the changes. Windows will install the necessary components.
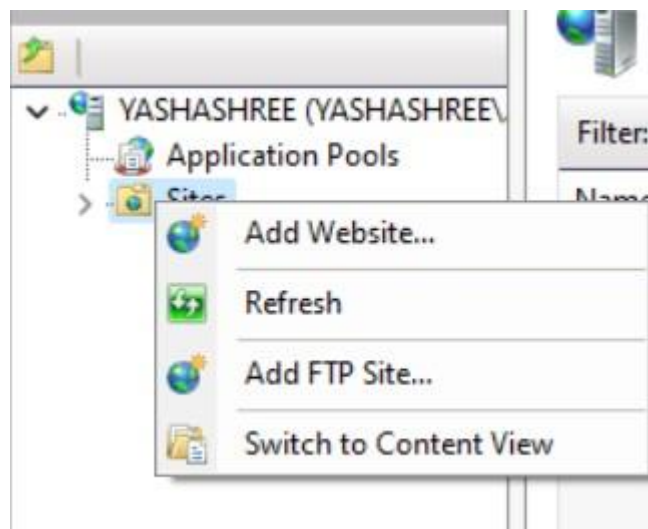
Step 2: Configure FTP Site

1. After installing the FTP Server feature, open the Internet Information Services (IIS) Manager. You can find it in the Administrative Tools or by searching in the Start menu.

2. In IIS Manager, expand the node for your computer in the Connections panel on the left.

3. Right-click on "Sites" and choose "Add FTP Site."

4. Provide a name for your FTP site.

5. Choose the path where your FTP files will be stored.

6. Select an IP address and port for your FTP site. You can use the default settings.

7. Choose "No SSL" for simplicity unless you have specific security requirements.

8. Choose authentication settings. You can use "Anonymous" for public access or select "Basic" for more secure authentication.

9. Configure permissions for the FTP site. You can choose to allow or deny access based on user accounts or groups.
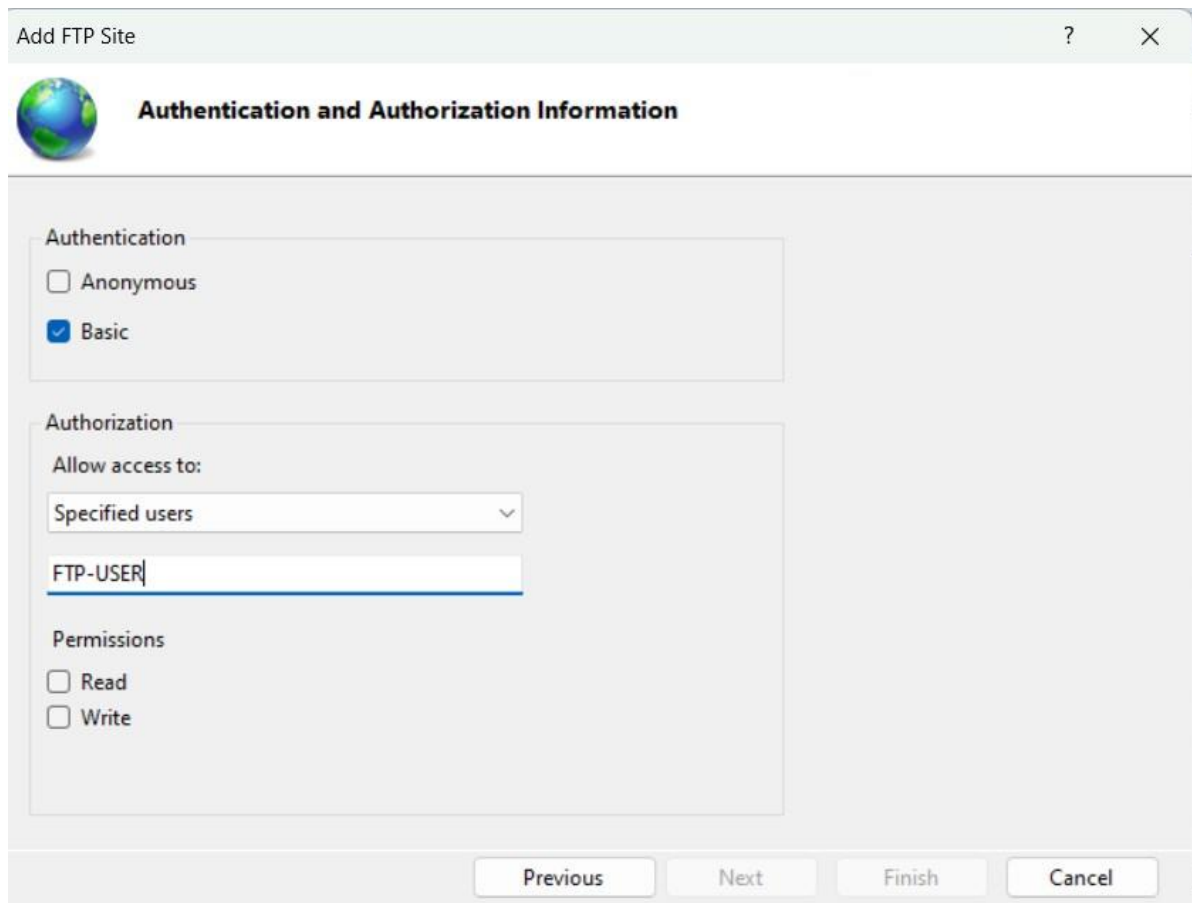
10. Click "Finish" to create the FTP site.

Step 3: Open Firewall Ports

1. If you are using Windows Firewall, you need to open the FTP ports. Go to the Control Panel, select "System and Security," and then click on "Windows Defender Firewall."
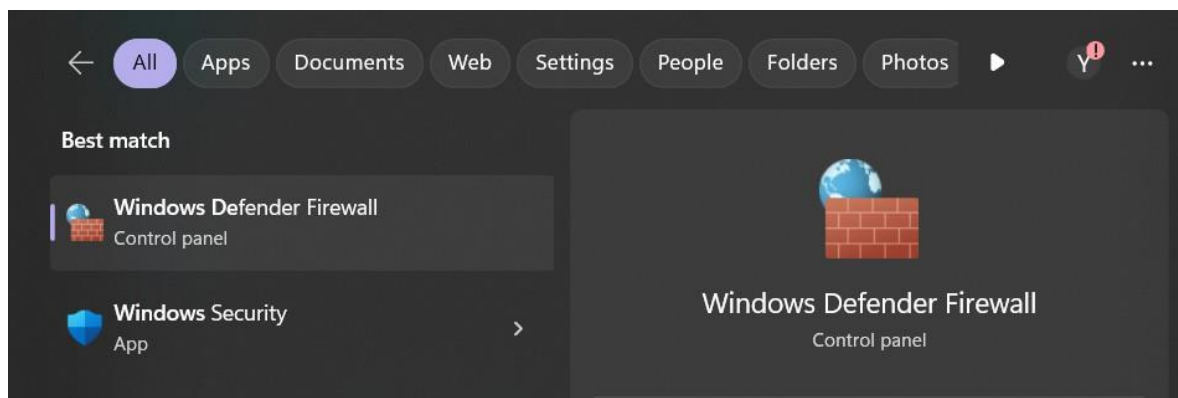
2. Click on "Advanced settings" in the left pane.

3. In the Inbound Rules, locate and enable the rules for "FTP Server" and "FTP Server Passive."

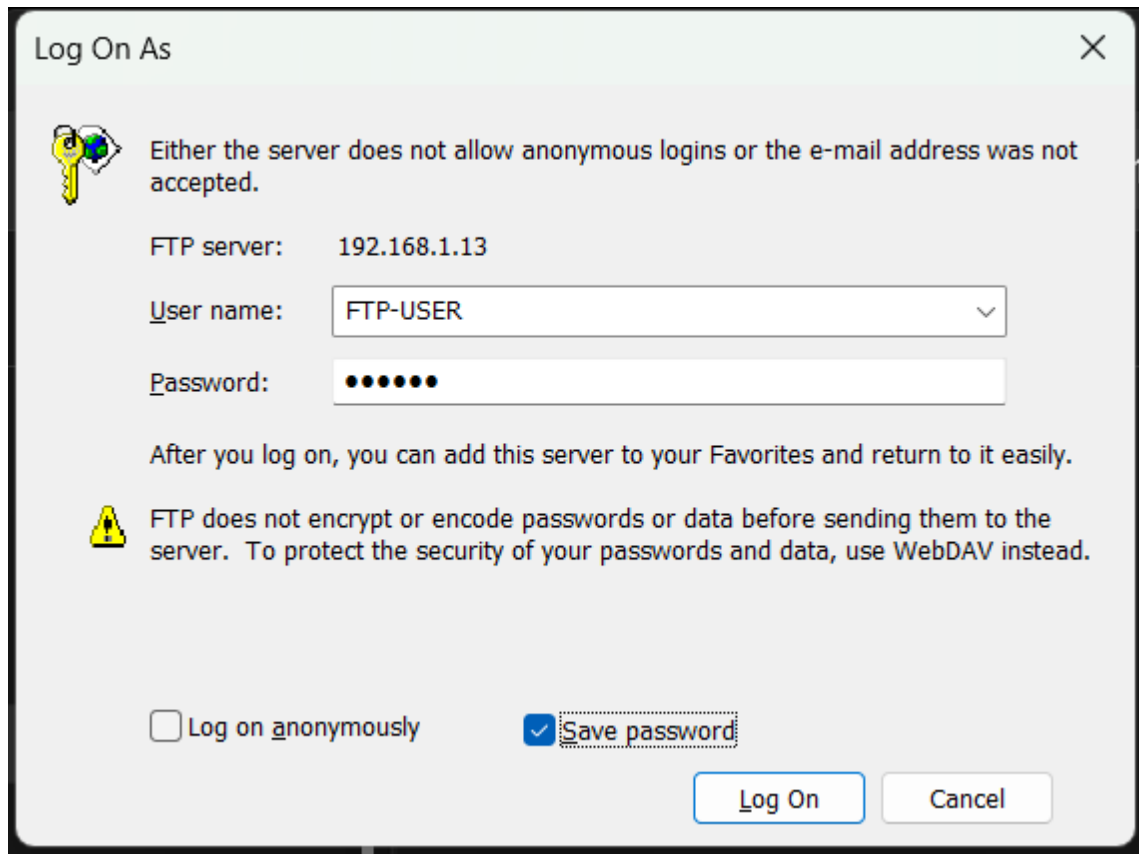### Step 4: Test the FTP Server

1. Open a command prompt or File Explorer.

2. Type `ftp://yourftpserverip` in the address bar. Replace "yourftpserverip" with the actual IP address of your FTP server.
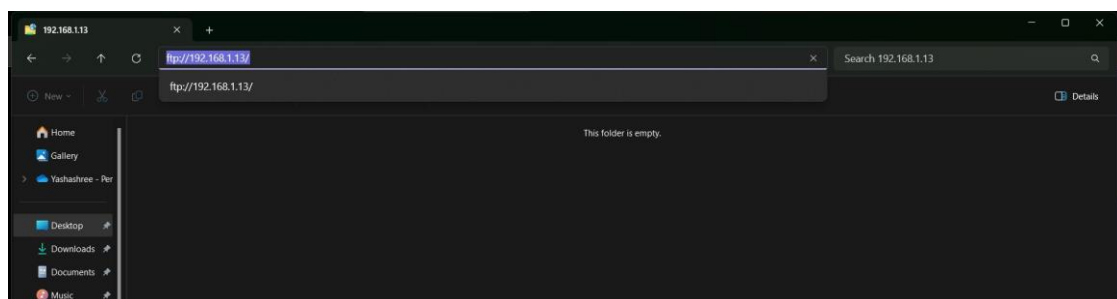
3. Enter the credentials if required and ensure you can connect to the FTP server.

Final Result

```
Command Prompt - ftp 192.1    +                                        —  □  ×

Microsoft Windows [Version 10.0.22631.2715]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Asus> ftp 192.168.1.13
Connected to 192.168.1.13.
220 Microsoft FTP Service
200 OPTS UTF8 command successful - UTF8 encoding now ON.
User (192.168.1.13:(none)): FTP-USER
331 Password required
Password:
230 User logged in.
ftp> LS
200 PORT command successful.
125 Data connection already open; Transfer starting.
12-29-22  02:04AM              10876790 440 Volt Sultan 320 Kbps.mp3
12-31-22  01:37AM               8933118 Aa Rela Hai Apun Chillar Party Origin
al Motion Picturetrack 320 Kbps.mp3
12-29-22  01:52AM               8933578 Aa To Sahii Judwaa 2 320 Kbps.mp3
12-31-22  01:39AM              11393768 Aadat Se Majboor Ladies Vs Ricky Bahl
 320 Kbps.mp3
12-29-22  01:39AM               8593111 Aankh Marey Simmba 320 Kbps.mp3
12-29-22  01:47AM              10116961 Aashiq Surrender Hua Badrinath Ki Dul
hania 320 Kbps.mp3
11-29-23  12:55AM       <DIR>          CIE_3_FINAL
11-29-23  12:55AM       <DIR>          LAB_CIE_BDA
10-02-23  07:09PM               979537 Screenshot 2023-10-02 190958.png
226 Transfer complete.
ftp: 695 bytes received in 0.02Seconds 28.96Kbytes/sec.
ftp>
```

```
C:\Windows\System32\cmd.e    +  ∨                                      —  □  ×

C:\Users\Asus\Desktop\FTP Folder>dir
 Volume in drive C is OS
 Volume Serial Number is 247F-BA87

 Directory of C:\Users\Asus\Desktop\FTP Folder

29-11-2023  00:55    <DIR>          .
28-11-2023  23:57    <DIR>          ..
29-12-2022  02:04        10,876,790 440 Volt Sultan 320 Kbps.mp3
31-12-2022  01:37         8,933,118 Aa Rela Hai Apun Chillar Party Original
Motion Picturetrack 320 Kbps.mp3
29-12-2022  01:52         8,933,578 Aa To Sahii Judwaa 2 320 Kbps.mp3
31-12-2022  01:39        11,393,768 Aadat Se Majboor Ladies Vs Ricky Bahl 32
0 Kbps.mp3
29-12-2022  01:39         8,593,111 Aankh Marey Simmba 320 Kbps.mp3
29-12-2022  01:47        10,116,961 Aashiq Surrender Hua Badrinath Ki Dulhan
ia 320 Kbps.mp3
29-11-2023  00:55    <DIR>          CIE_3_FINAL
29-11-2023  00:55    <DIR>          LAB_CIE_BDA
02-10-2023  19:09           979,537 Screenshot 2023-10-02 190958.png
               7 File(s)     59,826,863 bytes
               4 Dir(s)  211,336,396,800 bytes free

C:\Users\Asus\Desktop\FTP Folder>
```