

Name : Bramha Nimbalkar

SRN: 202100381

Roll-No: 07

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

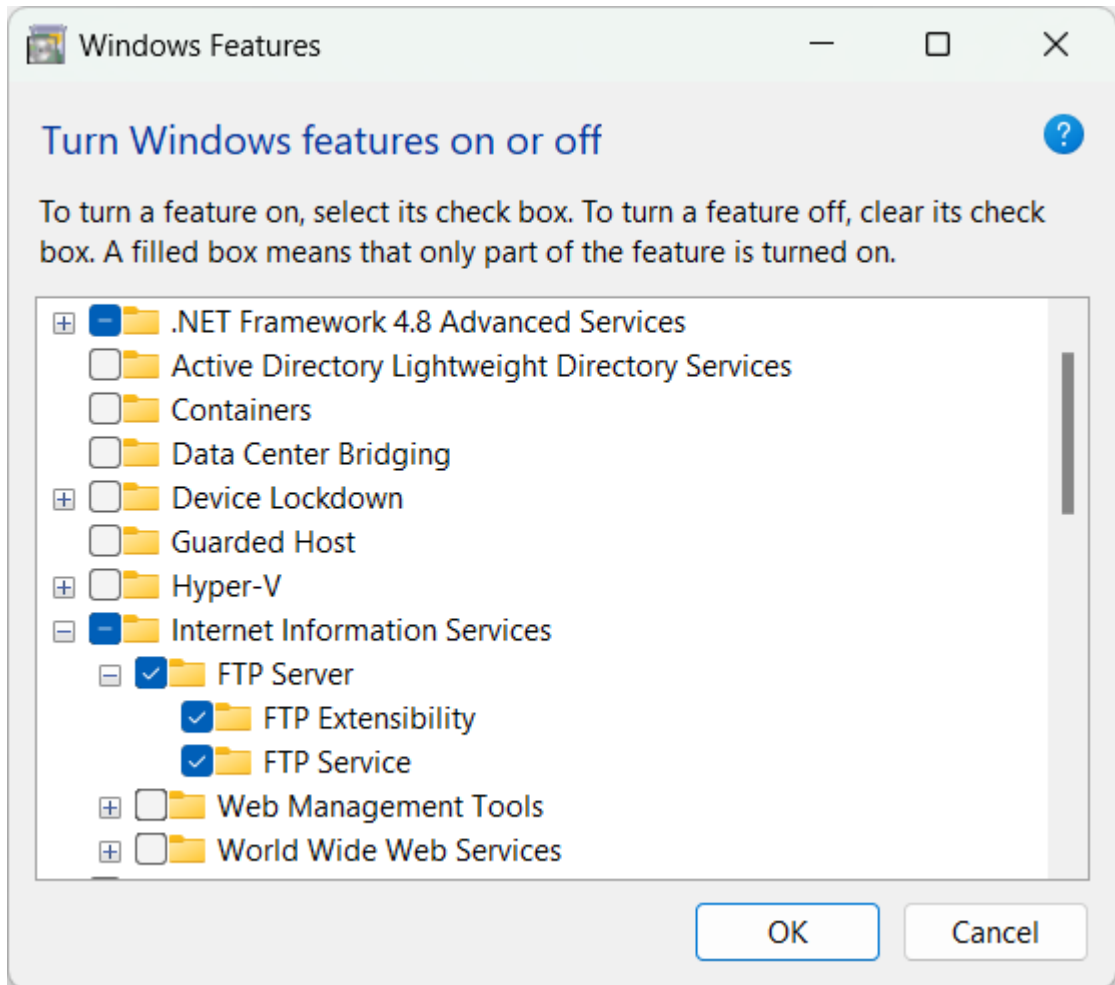
1. Open the Control Panel on your Windows machine.
2. Go to "Programs" and then select "Turn Windows features on or off."



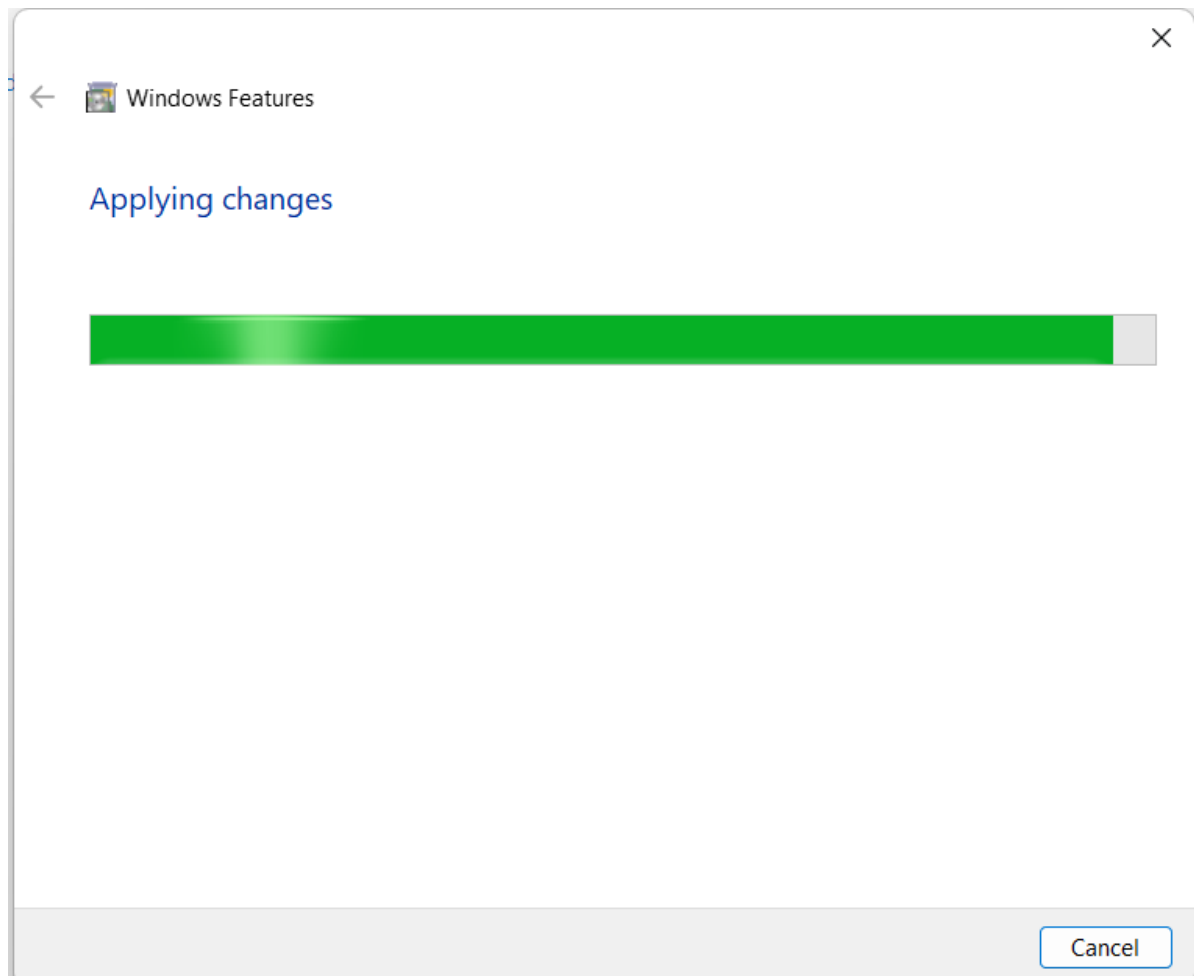
Programs and Features

[Uninstall a program](#) | [Turn Windows features on or off](#) | [View installed updates](#) | [Run programs made for previous versions of Windows](#) | [How to install a program](#)

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.

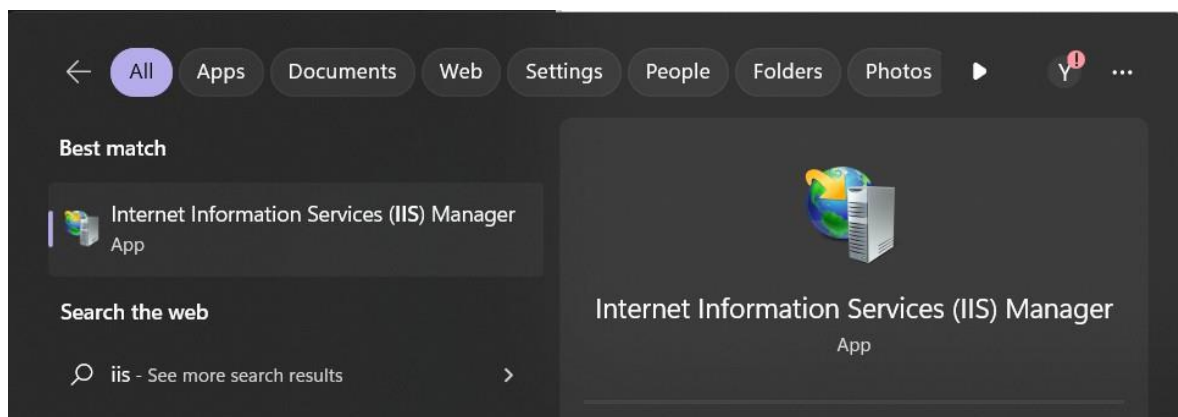


5. Click "OK" to apply the changes. Windows will install the necessary components.

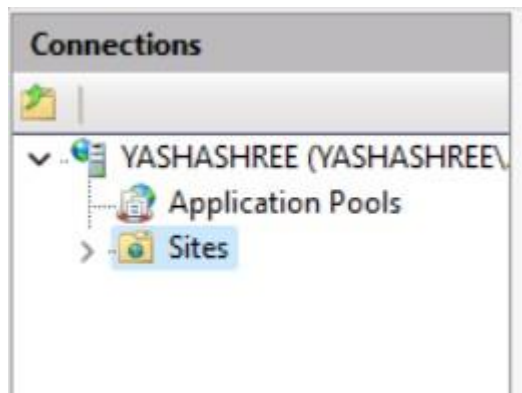


Step 2: Configure FTP Site

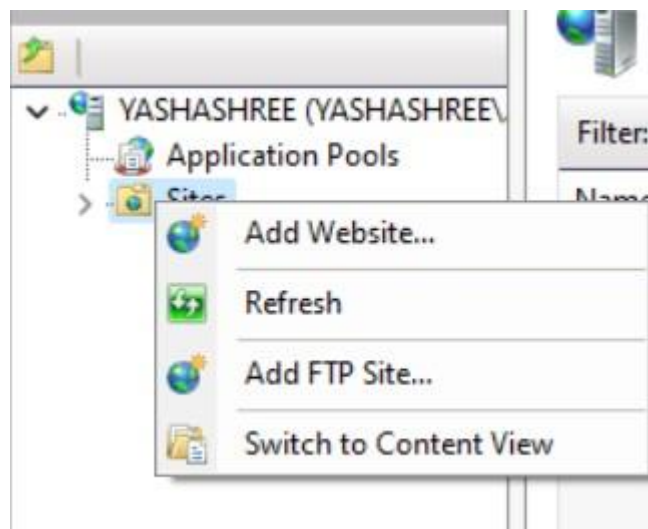
1. After installing the FTP Server feature, open the Internet Information Services (IIS) Manager. You can find it in the Administrative Tools or by searching in the Start menu.



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.

Add FTP Site ? X

 **Site Information**

FTP site name:
FTP-SERVER


Content Directory

Physical path:
C:\Users\Asus\Desktop\FTP Folder ...

Previous Next Finish Cancel

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.

Add FTP Site ? X

 **Binding and SSL Settings**

Binding

IP Address: 192.168.1.13 Port: 21

☐ Enable Virtual Host Names:
Virtual Host (example: ftp.contoso.com):

☒ Start FTP site automatically

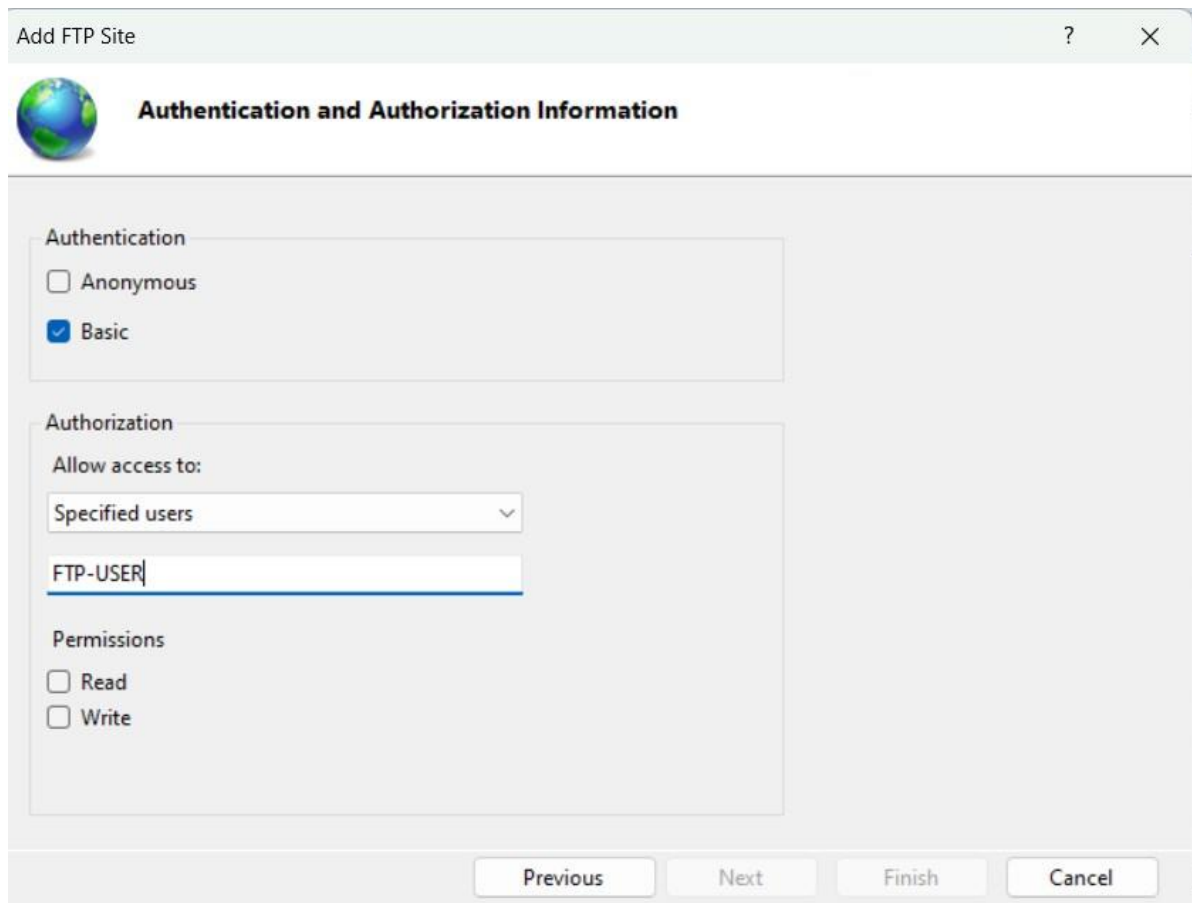
SSL

☒ No SSL
☐ Allow SSL
☐ Require SSL

SSL Certificate: Not Selected Select... View...

Previous Next Finish Cancel

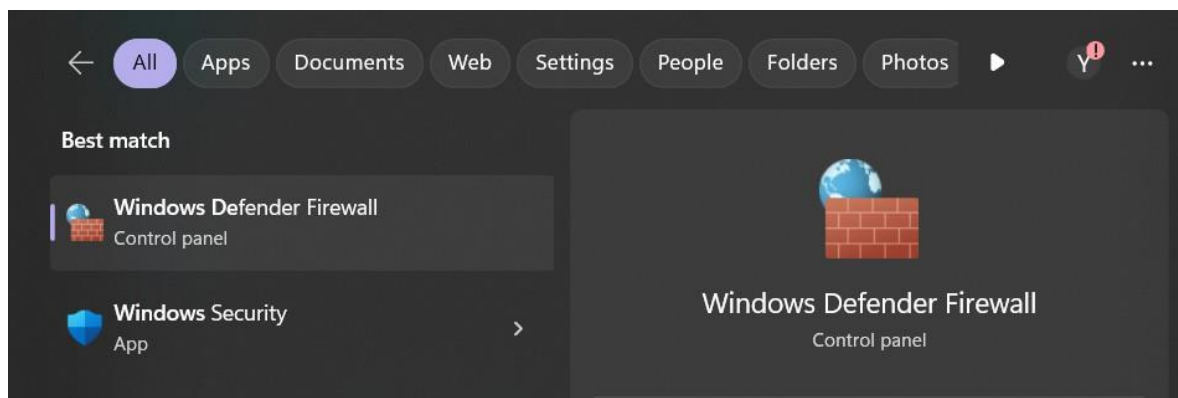
8. Choose authentication settings. You can use "Anonymous" for public access or select "Basic" for more secure authentication.
9. Configure permissions for the FTP site. You can choose to allow or deny access based on user accounts or groups.



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."

Allow apps to communicate through Windows Defender Firewall

To add, change, or remove allowed apps and ports, click [Change settings](#).

[What are the risks of allowing an app to communicate?](#)

[Change settings](#)

Allowed apps and features:

Name	Private	Public
<input type="checkbox"/> File and Printer Sharing over SMBDirect	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Films & TV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> fletd.exe	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Framework Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> FrameworkService	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> FTP Server	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Game Bar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Get Help	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Google Chrome	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> HP Smart	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Intel® Graphics Command Center	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> iSCSI Service	<input type="checkbox"/>	<input type="checkbox"/>

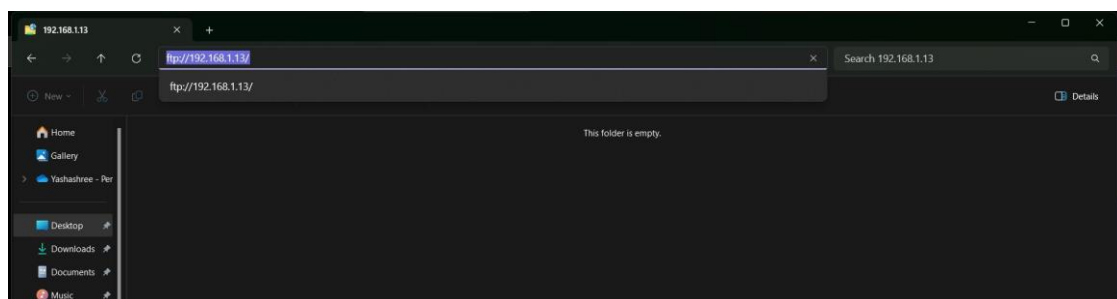
[Details...](#)

[Remove](#)

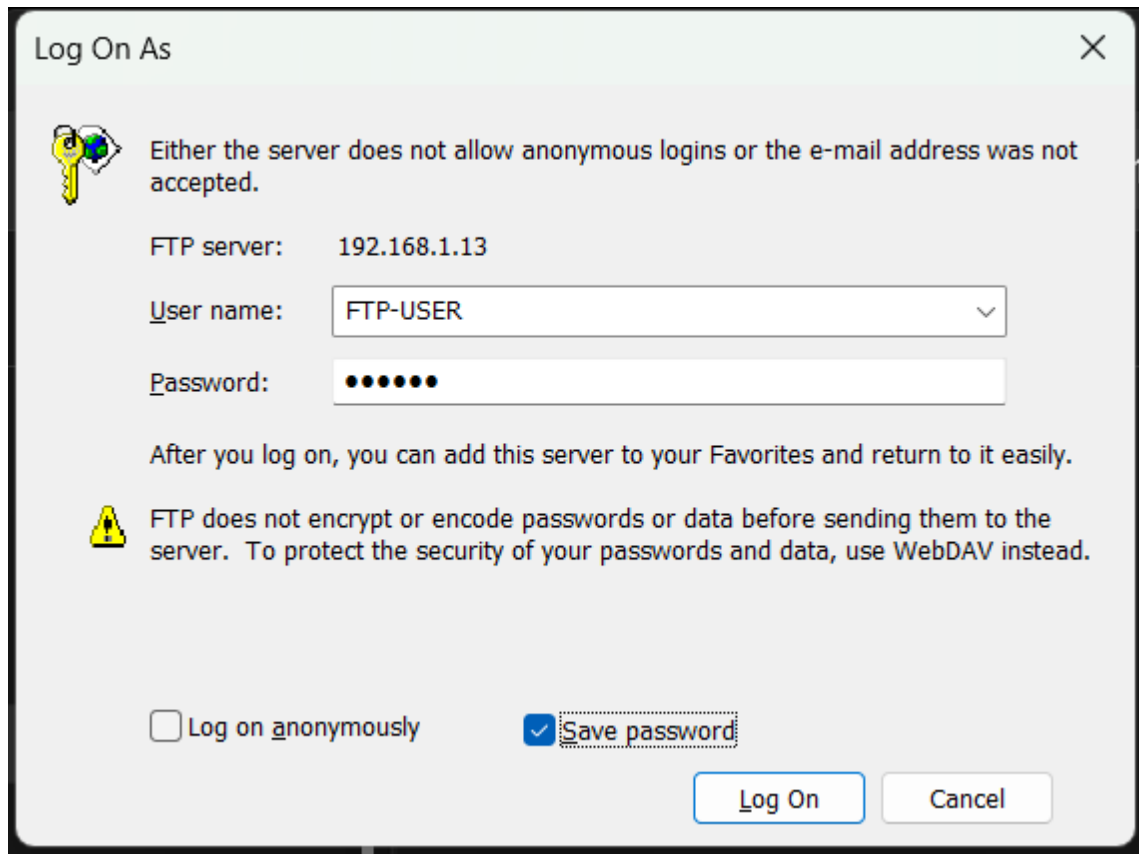
[Allow another app...](#)

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.



The image shows a Windows-style dialog box titled "Log On As" with a close button (X) in the top right corner. Inside the dialog, there is a key icon and a message: "Either the server does not allow anonymous logins or the e-mail address was not accepted." Below this, the "FTP server:" is set to "192.168.1.13". The "User name:" is set to "FTP-USER" in a dropdown menu. The "Password:" field is masked with seven dots. A message states: "After you log on, you can add this server to your Favorites and return to it easily." Below that is a warning icon and text: "FTP does not encrypt or encode passwords or data before sending them to the server. To protect the security of your passwords and data, use WebDAV instead." At the bottom, there are two checkboxes: "Log on anonymously" (unchecked) and "Save password" (checked). The "Save password" checkbox is highlighted with a dashed border. At the bottom right are "Log On" and "Cancel" buttons.

Log On As

Either the server does not allow anonymous logins or the e-mail address was not accepted.

FTP server: 192.168.1.13

User name: FTP-USER

Password: ●●●●●●●

After you log on, you can add this server to your Favorites and return to it easily.

FTP does not encrypt or encode passwords or data before sending them to the server. To protect the security of your passwords and data, use WebDAV instead.

☐ Log on anonymously ☒ Save password

Log On Cancel

Final Result

```
Command Prompt - ftp 192.1 x + v
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
280 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
280 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 x + v
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>
```