

Networking Lab - 3

OBJECTIVE:

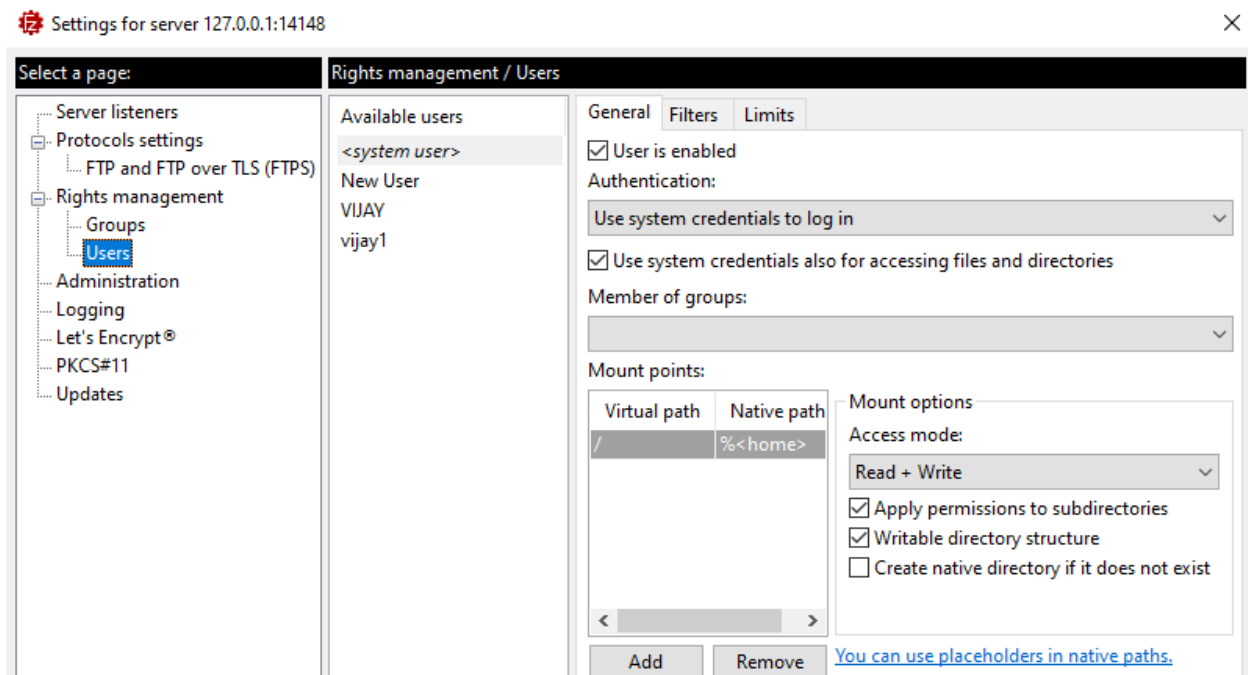
To demonstrate the importance of protocols like FTP that utilise encryption.

PRE-REQUISITES:

FileZilla server, FileZilla client, and Wireshark software installed.

Q1:-Setup and configure the server with a single user.

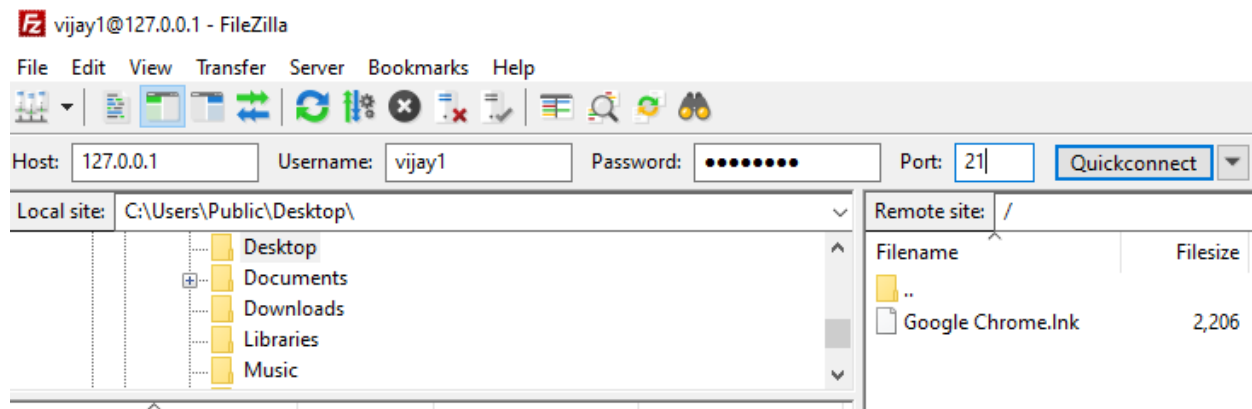
Ans.



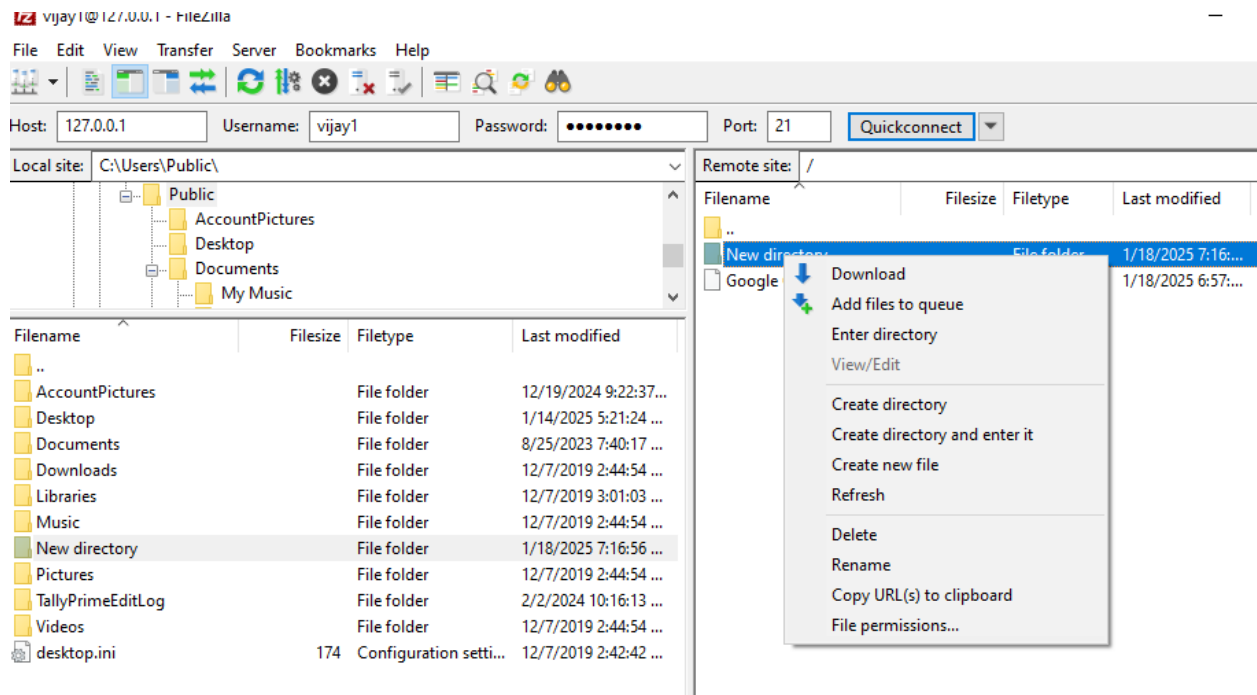
Q2:- Goto Wireshark and start capturing the packets.

No.	Time	Source	Destination	Protocol	Length	Info
101	13.811118	64:ff9b::8efa:c2ce	2402:3a80:40a7:3ea0...	UDP	87	443 → 60266 Len=25
102	15.182242	HongdeSmartL_42:87:...	ea:6d:6b:24:3d:34	ARP	42	Who has 192.168.24.203? Tell 192.168.24.19
103	15.188607	ea:6d:6b:24:3d:34	HongdeSmartL_42:87:...	ARP	42	192.168.24.203 is at ea:6d:6b:24:3d:34
104	15.710602	ea:6d:6b:24:3d:34	HongdeSmartL_42:87:...	ARP	42	Who has 192.168.24.19? Tell 192.168.24.203
105	15.710668	HongdeSmartL_42:87:...	ea:6d:6b:24:3d:34	ARP	42	192.168.24.19 is at 60:70:72:42:87:08
106	17.012054	2402:3a80:40a7:3ea0...	64:ff9b::8efa:c2ce	UDP	91	60266 → 443 Len=29

Q3:- Connect to the FileZilla server using its ip address, username, password, and port number 21



Q3:-Once connected to the server, download a file.



Q4:-Finally go to the Wireshark and stop capturing the packets.

No.	Time	Source	Destination	Protocol	Length	Info
101	13.811118	64:ff9b::8efa:c2ce	2402:3a80:40a7:3ea0...	UDP	87	443 → 60266 Len=25
102	15.182242	HongdeSmartL_42:87:...	ea:6d:6b:24:3d:34	ARP	42	Who has 192.168.24.203? Tell 192.168.24.19
103	15.188607	ea:6d:6b:24:3d:34	HongdeSmartL_42:87:...	ARP	42	192.168.24.203 is at ea:6d:6b:24:3d:34
104	15.710602	ea:6d:6b:24:3d:34	HongdeSmartL_42:87:...	ARP	42	Who has 192.168.24.19? Tell 192.168.24.203
105	15.710668	HongdeSmartL_42:87:...	ea:6d:6b:24:3d:34	ARP	42	192.168.24.19 is at 60:70:72:42:87:08
106	17.012054	2402:3a80:40a7:3ea0...	64:ff9b::8efa:c2ce	UDP	91	60266 → 443 Len=29

Q5:- Take a look at the requests made in the data packets flow for the username and password.

(URL-<https://youtu.be/VGirrfSLhwM?si=h4poxEwtpFJ-MTG3>)

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Q6:-You can create a new directory in the server and download this again.

Ans.

