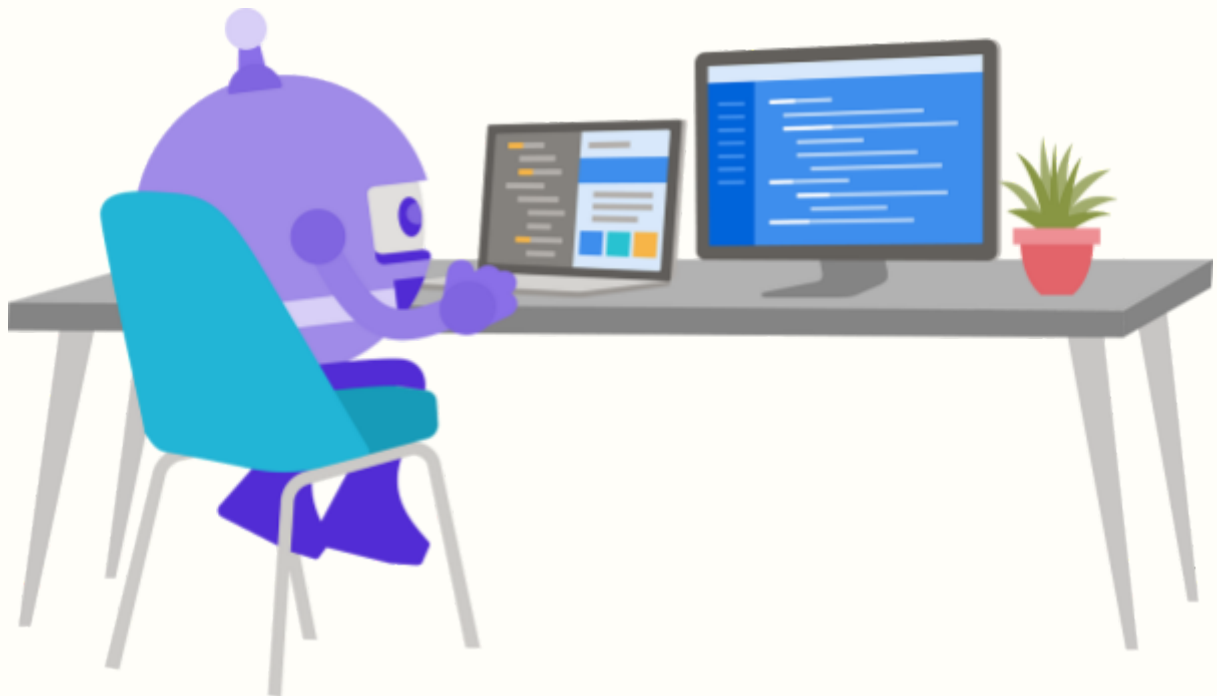


# *Servicio FTP y SSH*



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## Objetivos

- Configurar el servicio FTP.
- Configurar el servicio SSH

## Información básica/Preparación

Este laboratorio se llevará a cabo individualmente con la ayuda de uno de tus compañeros en las partes que se te indique.

Se necesitan los siguientes recursos:

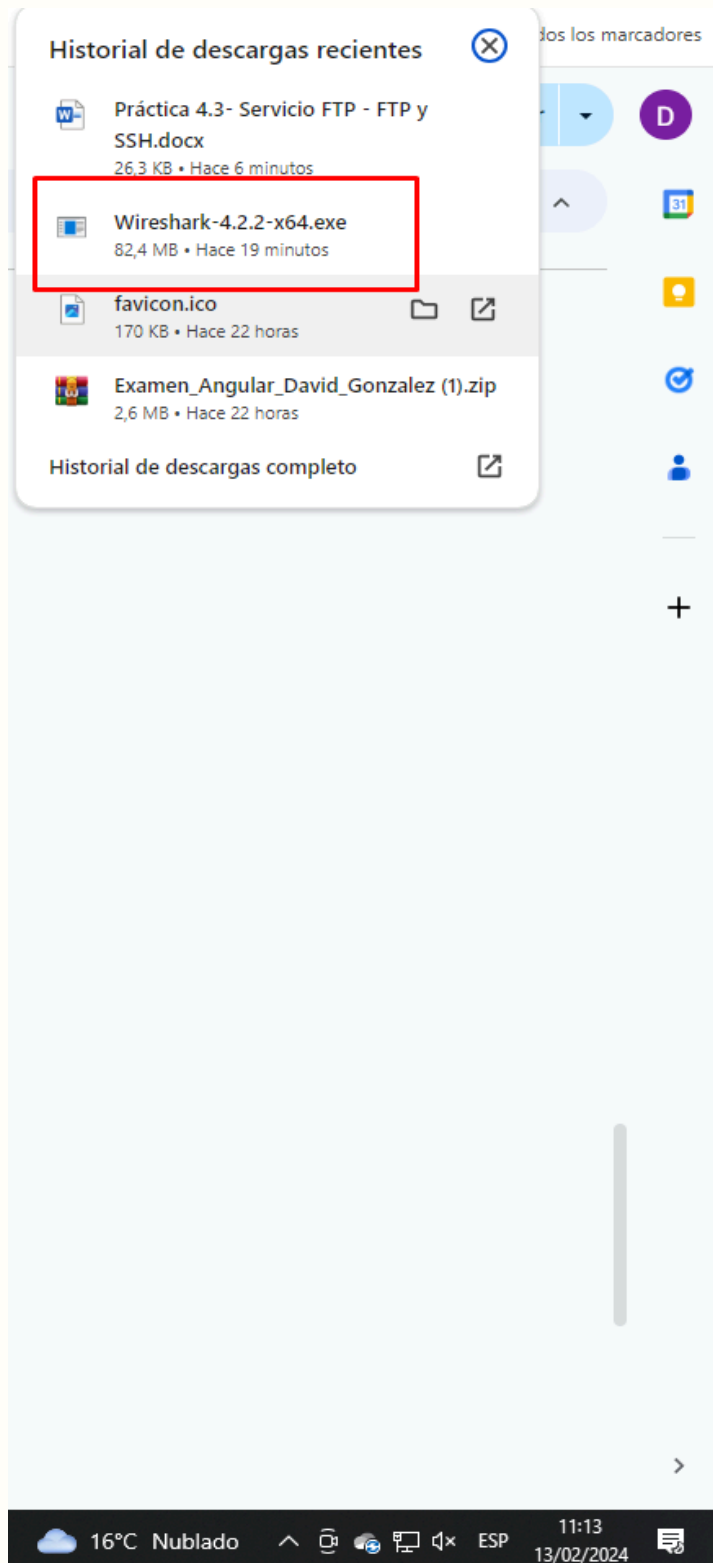
- Una computadora con Linux Ubuntu
- Al menos una computadora con Windows
- Tener instalado el servicio SSH
- Tener instalado el servicio FTP con vsftpd

## Desarrollo

Documenta en un documento del tipo How-To.

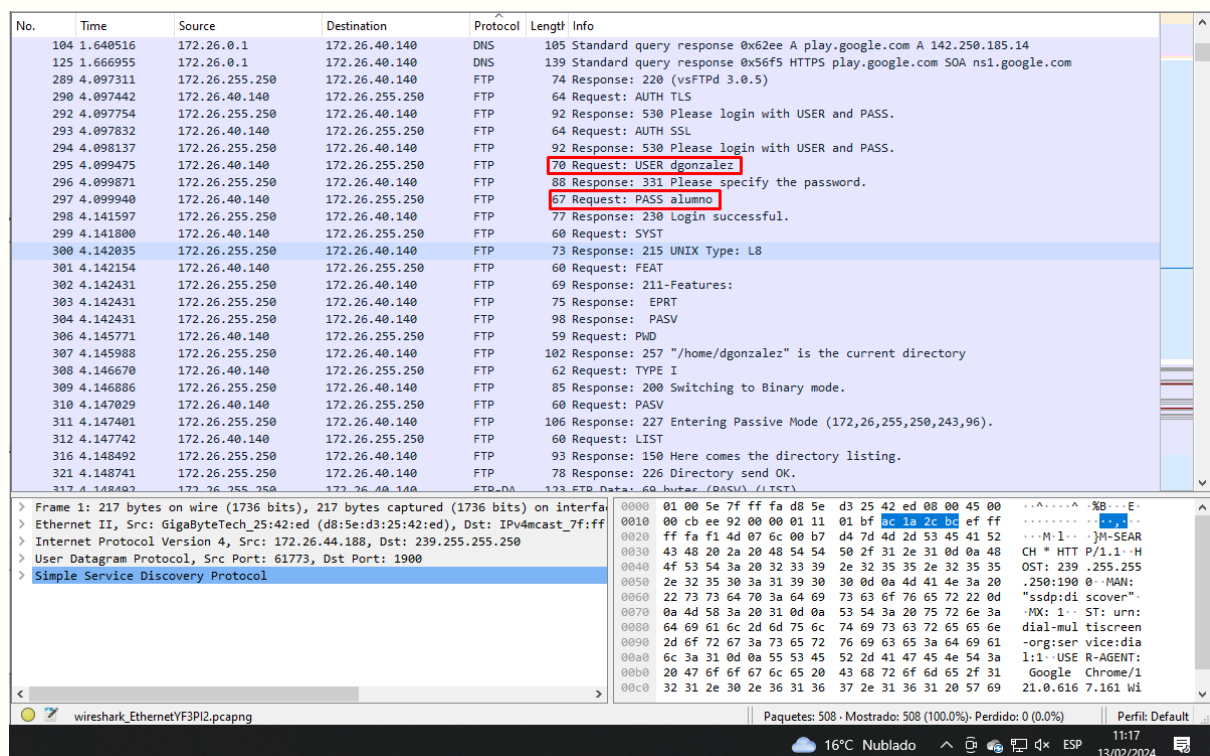
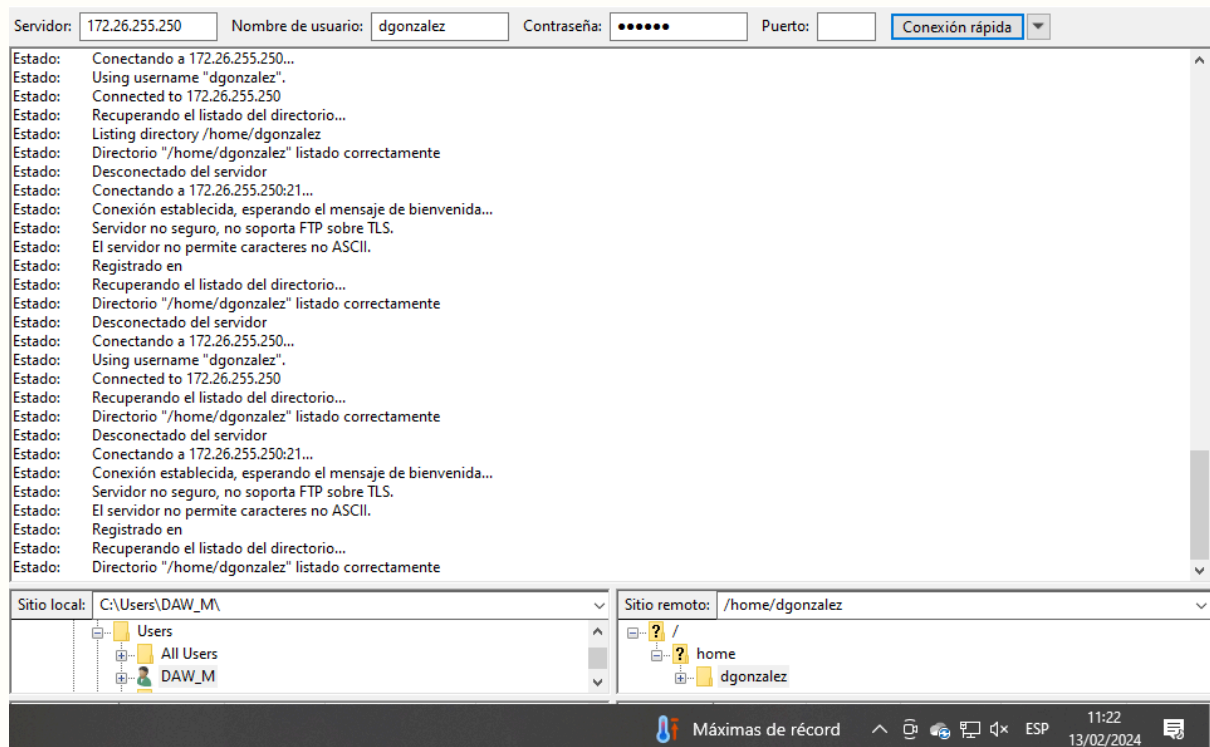
## Paso 1: Instalar Wireshark

Instala el programa WireShark si es que no está instalado.



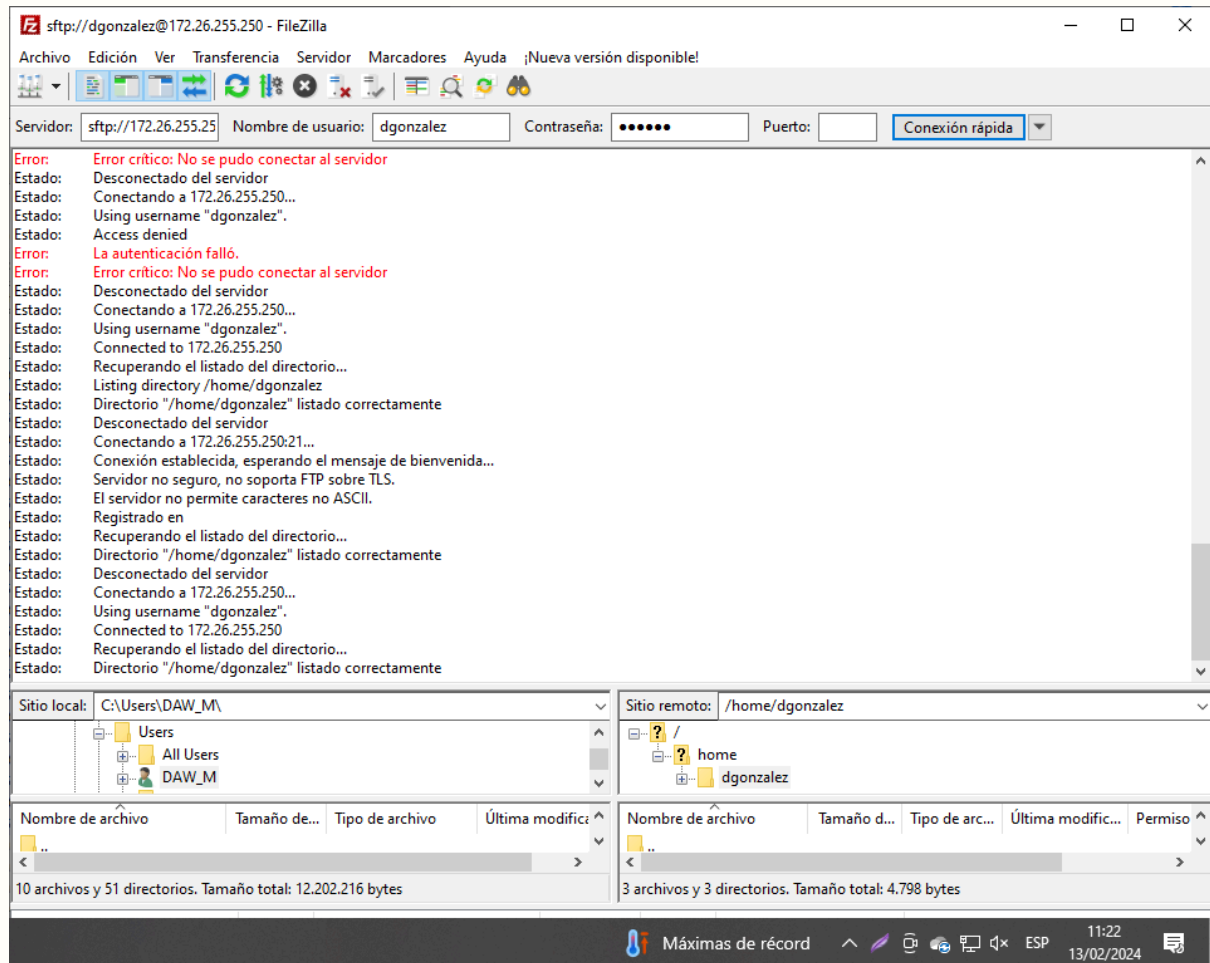
## Paso 2: Accede al servidor FTP

Ejecuta WireShark y accede al servicio FTP del aula. Captura en WireShark el momento en que el usuario accede al servidor.



## Paso 3: Accede a SFTP

Ejecuta WireShark y accede al servicio SFTP del aula. Captura en WireShark el momento en que el usuario accede al servidor.



No.	Time	Source	Destination	Protocol	Length	Info
342	8.206128	172.26.41.237	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
354	8.455775	172.26.40.140	239.255.255.250	SSDP	218	M-SEARCH * HTTP/1.1
138	4.344487	172.26.40.140	172.26.255.250	SSHv2	80	Client: Protocol (SSH-2.0-FileZilla 3.65.0)
140	4.353086	172.26.255.250	172.26.40.140	SSHv2	95	Server: Protocol (SSH-2.0-OpenSSH_8.9p1 Ubuntu-3ubuntu0.6)
141	4.353882	172.26.40.140	172.26.255.250	SSHv2	1398	Client: Key Exchange Init
142	4.354213	172.26.255.250	172.26.40.140	SSHv2	1166	Server: Key Exchange Init
143	4.356881	172.26.40.140	172.26.255.250	SSHv2	102	Client: Elliptic Curve Diffie-Hellman Key Exchange Init
144	4.363119	172.26.255.250	172.26.40.140	SSHv2	586	Server: Elliptic Curve Diffie-Hellman Key Exchange Reply, New Keys, Encrypted pack...
145	4.377346	172.26.40.140	172.26.255.250	SSHv2	122	New Keys, Encrypted packet (plaintext_len=36), Unknown (229)[Malformed Packet]
146	4.377737	172.26.255.250	172.26.40.140	SSHv2	106	Server: Encrypted packet (plaintext_len=36), Unknown (183)
147	4.379652	172.26.40.140	172.26.255.250	SSHv2	122	Encrypted packet (plaintext_len=52), Unknown (145)[Malformed Packet]
148	4.388499	172.26.255.250	172.26.40.140	SSHv2	106	Encrypted packet (plaintext_len=36), Unknown (104)[Malformed Packet]
149	4.388718	172.26.40.140	172.26.255.250	SSHv2	318	Client: Encrypted packet (plaintext_len=164), Unknown (218), Encrypted packet (pla...
151	4.456452	172.26.255.250	172.26.40.140	SSHv2	90	Server: Encrypted packet (plaintext_len=20), Unknown (61)
152	4.457420	172.26.40.140	172.26.255.250	SSHv2	106	Encrypted packet (plaintext_len=36), Unknown (146)[Malformed Packet]
183	4.582324	172.26.255.250	172.26.40.140	SSHv2	682	Server: Encrypted packet (plaintext_len=612), Unknown (165)
201	4.625974	172.26.255.250	172.26.40.140	SSHv2	106	Encrypted packet (plaintext_len=36), Unknown (58)[Malformed Packet]
202	4.626126	172.26.40.140	172.26.255.250	SSHv2	190	Encrypted packet (plaintext_len=68), Unknown (108), Encrypted packet (plaintext_le...
204	4.627059	172.26.255.250	172.26.40.140	SSHv2	126	Encrypted packet (plaintext_len=20), Unknown (140)[Malformed Packet]
205	4.627199	172.26.40.140	172.26.255.250	SSHv2	106	Encrypted packet (plaintext_len=36), Unknown (188)[Malformed Packet]
206	4.634535	172.26.255.250	172.26.40.140	SSHv2	330	Server: Encrypted packet (plaintext_len=260), Unknown (244)
207	4.634644	172.26.40.140	172.26.255.250	SSHv2	106	Client: Encrypted packet (plaintext_len=36), Unknown (77)
208	4.635000	172.26.255.250	172.26.40.140	SSHv2	154	Encrypted packet (plaintext_len=84), Unknown (59)[Malformed Packet]
49	1.563605	DeltaNetwork_25:09:...	Spanning-tree (for...	STP	60	Conf. Root = 32768/0/00:30:ab:25:09:58 Cost = 38 Port = 0x801a
123	3.568174	DeltaNetwork_25:09:...	Spanning-tree (for...	STP	60	Conf. Root = 32768/0/00:30:ab:25:09:58 Cost = 38 Port = 0x801a
255	5.563203	DeltaNetwork_25:09:...	Spanning-tree (for...	STP	60	Conf. Root = 32768/0/00:30:ab:25:09:58 Cost = 38 Port = 0x801a
320	7.563258	DeltaNetwork_25:09:...	Spanning-tree (for...	STP	60	Conf. Root = 32768/0/00:30:ab:25:09:58 Cost = 38 Port = 0x801a

## Paso 4: Comprueba las capturas de pantalla

¿Son ambas igual de seguros? ¿Qué aporta SFTP que no aporta FTP?

No, SFTP usa un canal seguro para transferir archivos mientras que FTP no lo hace