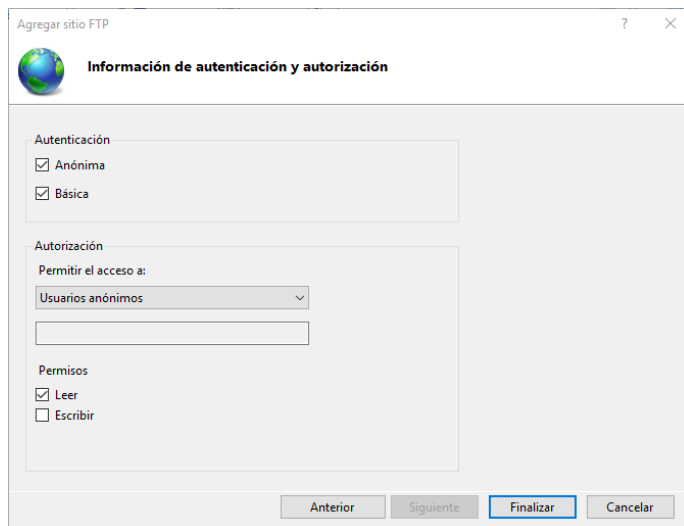


P 4-4. Servidor FTP Windows Server 2016 - Usuarios enxaulados e directorios virtuales

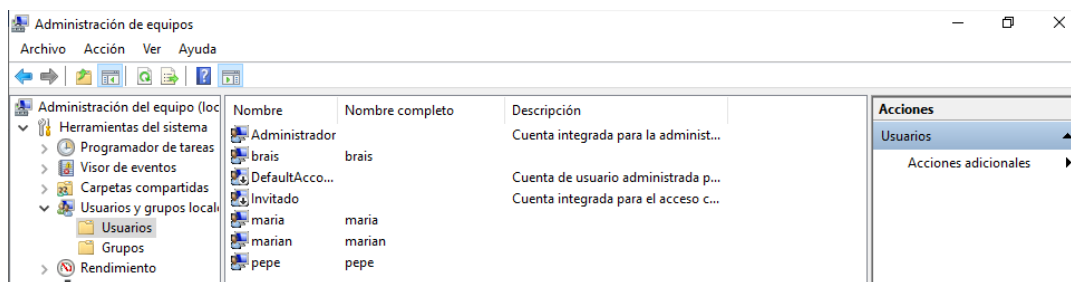
Instala e configura un servidor FTP (Windows Sever 2016) cos seguintes requirimentos:

Admítense usuarios anónimos e só se lles permitirá a descarga.

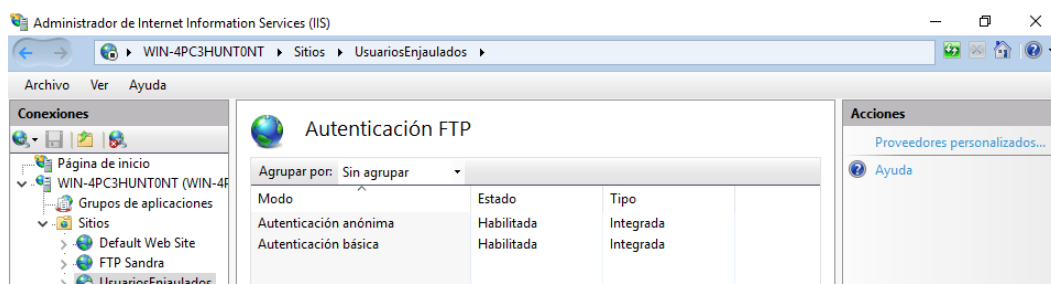


Os usuarios do sistema (pepe e maria) deben estar enxaulados no seu directorio e poderán acceder ao directorio virtual global chamado virtuproba que enlazará coa carpeta c:\apuntes. Terán permisos de lectura e escritura.

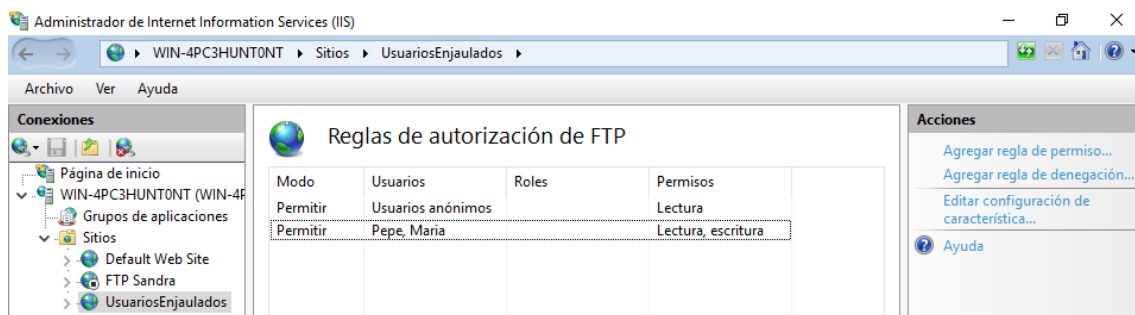
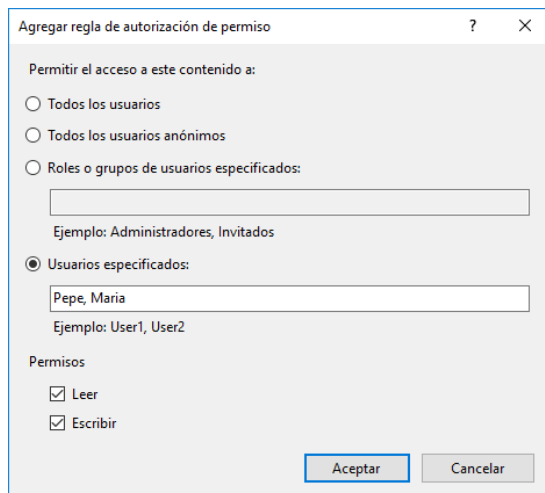
- Creación de usuarios locales:



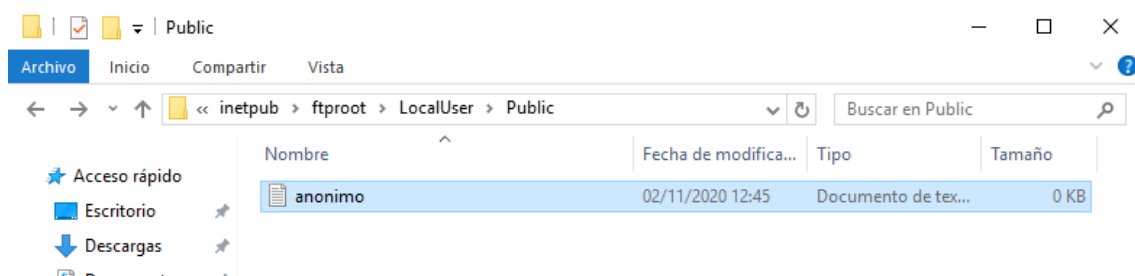
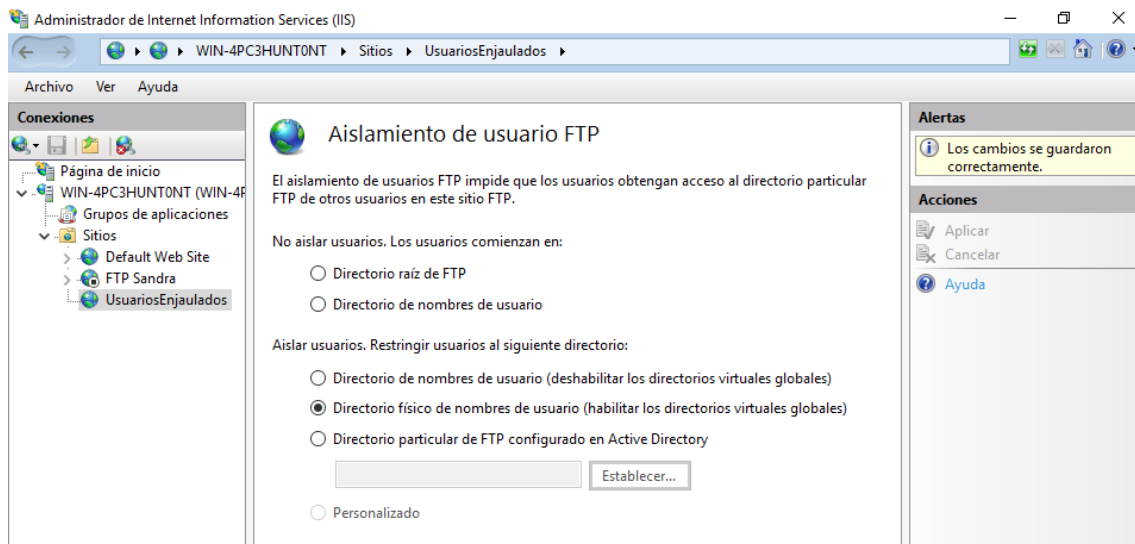
- Permitir autenticación básica:

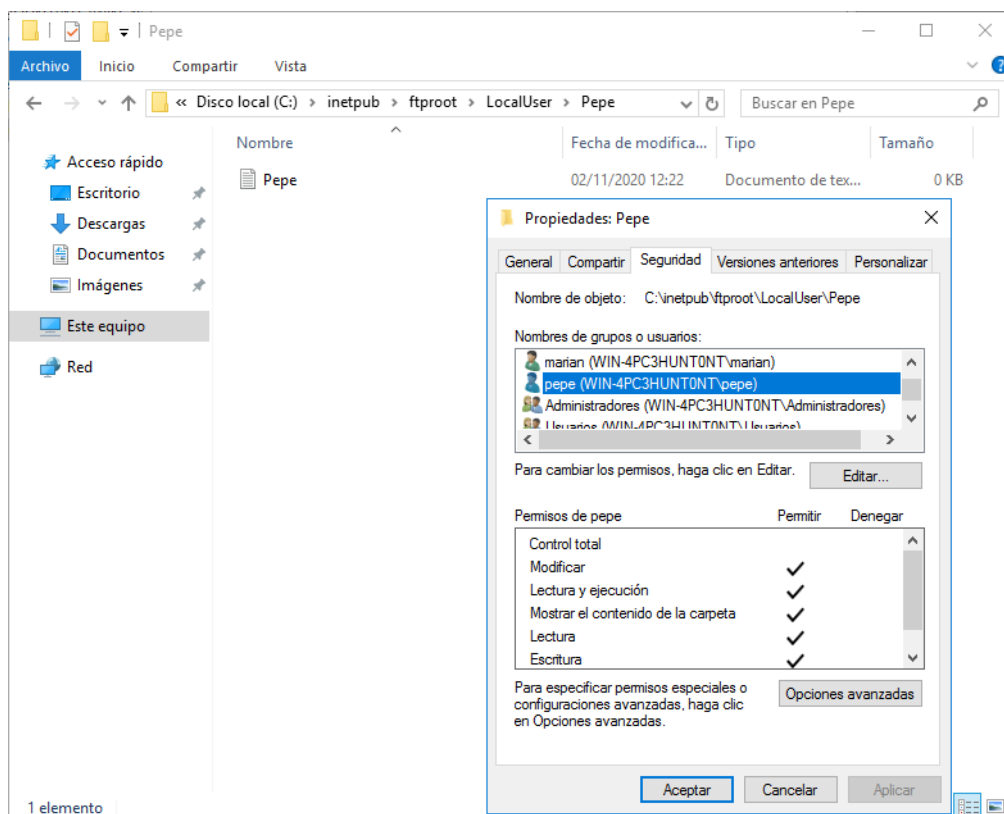
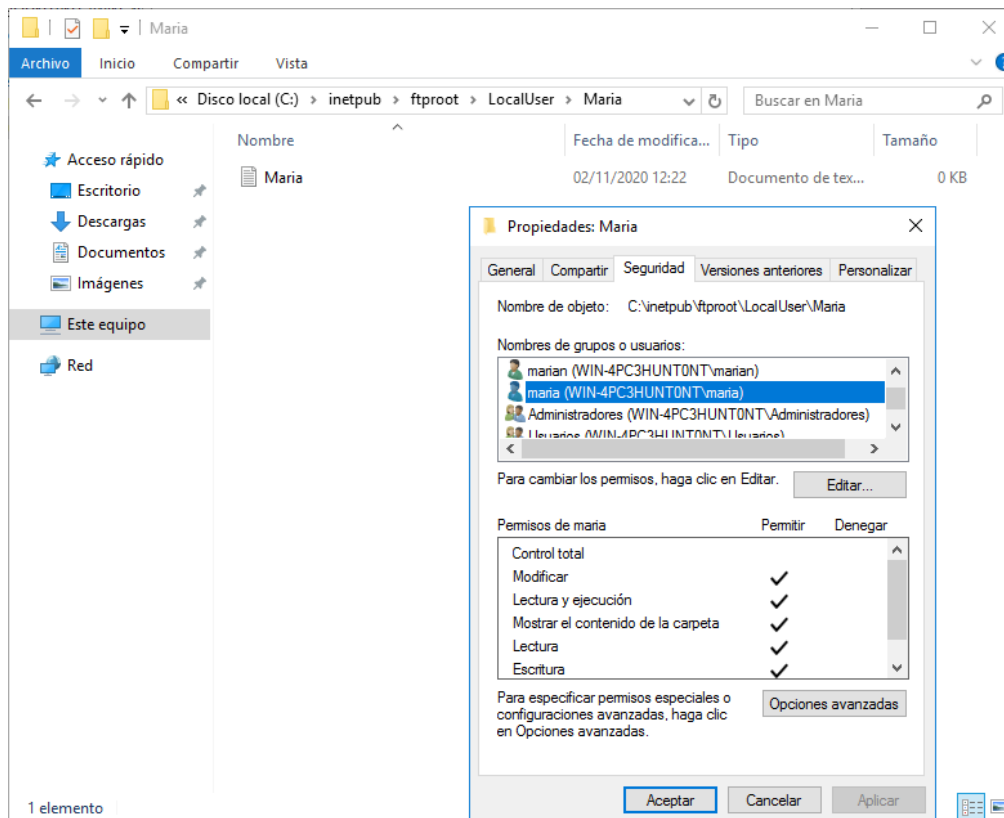


- Permitir lectura y escritura a los usuarios locales

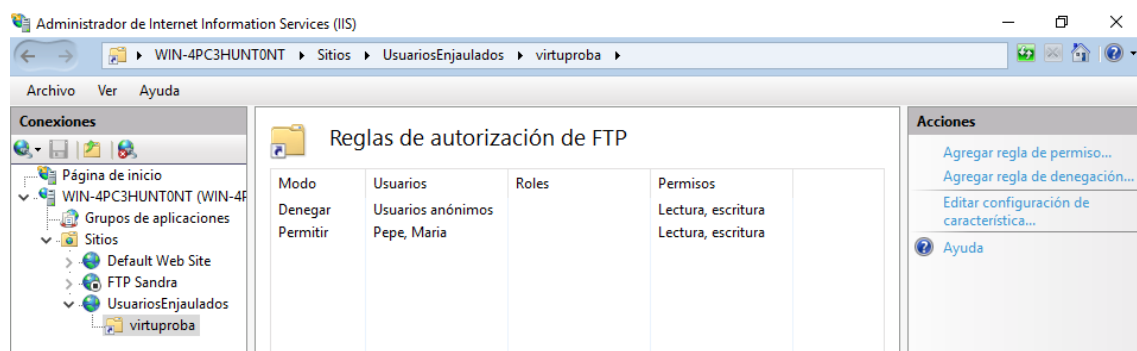
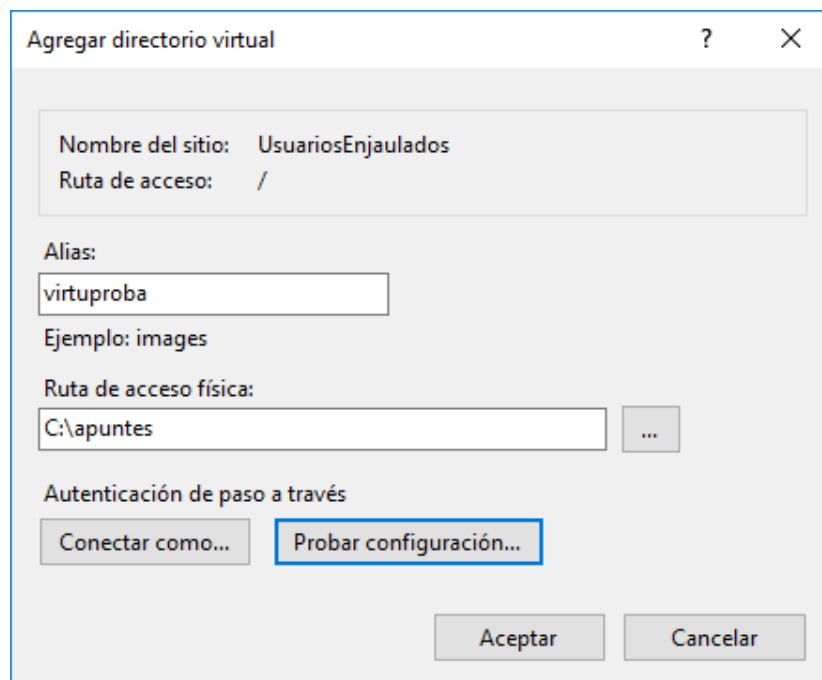
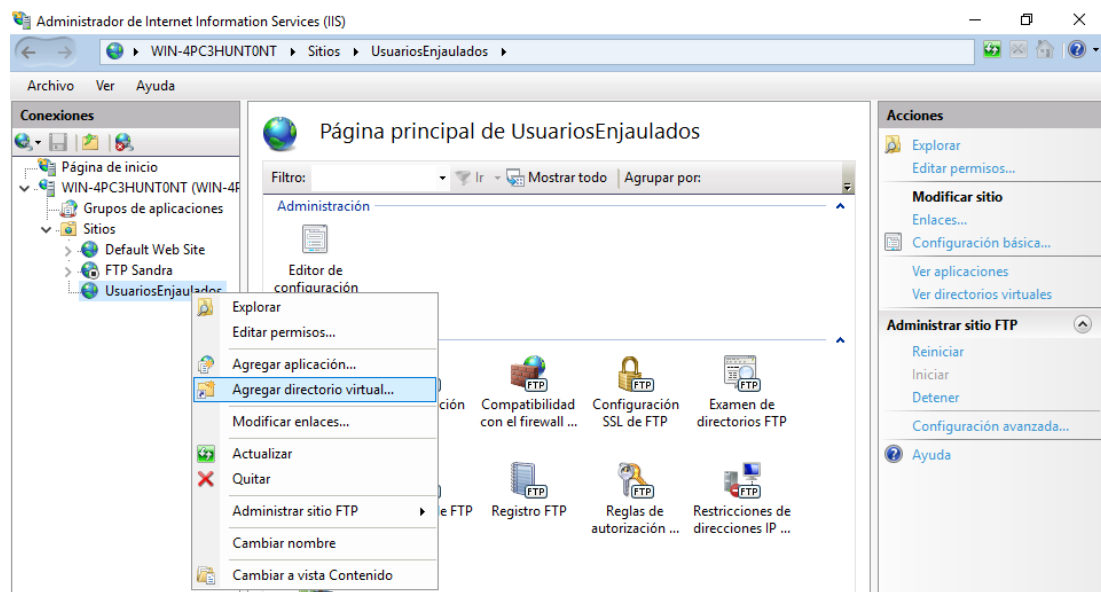


- Enjaular a los usuarios en su directorio

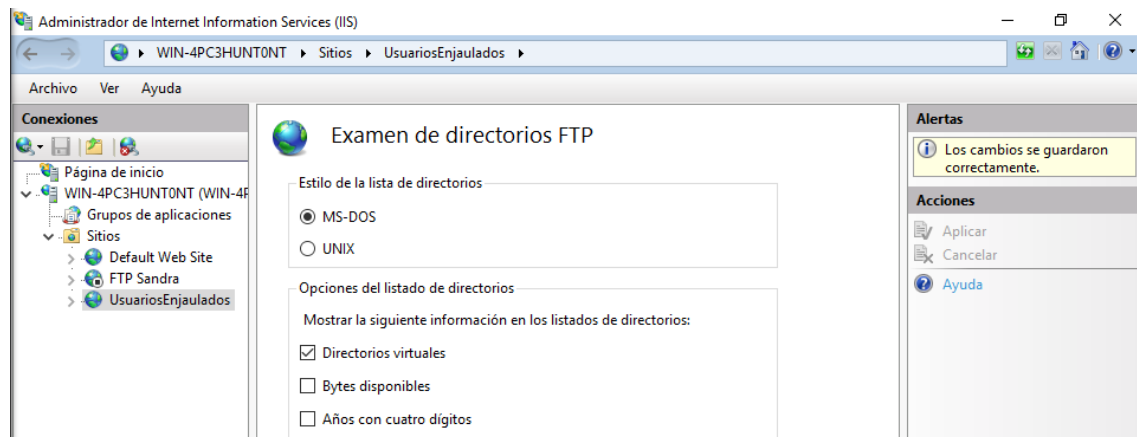




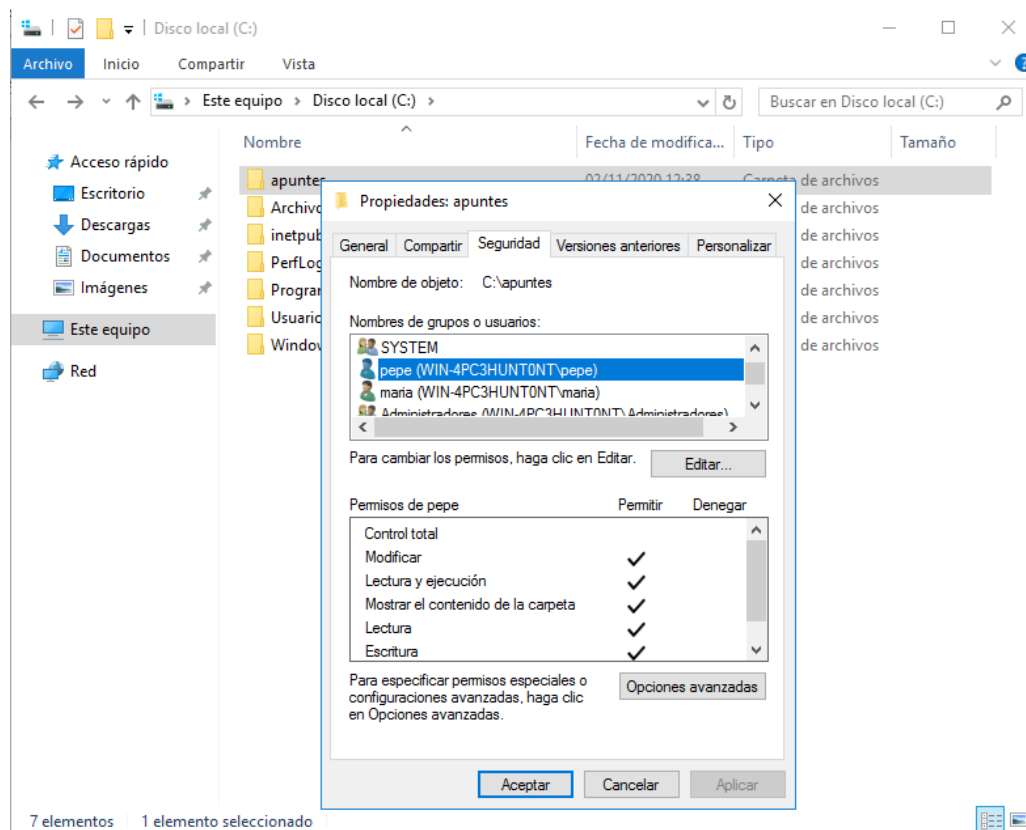
- Directorio virtual 'virtuproba'



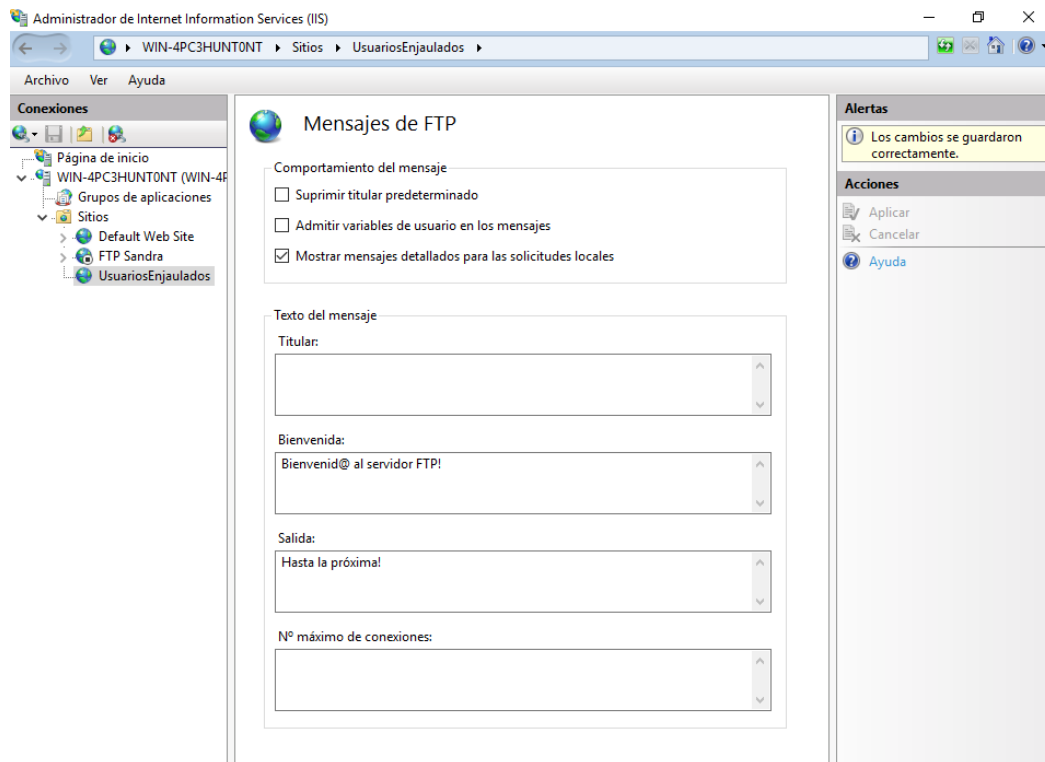
- Permitir que se vean los directorios virtuales



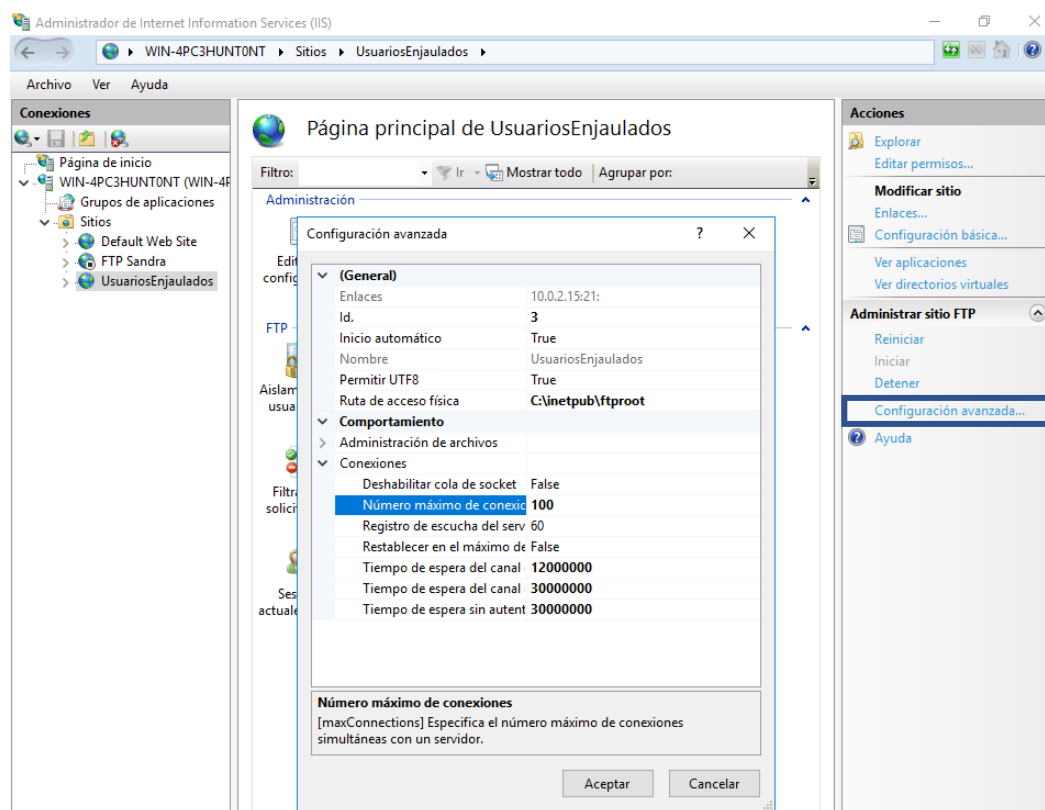
- Permisos directorio apuntes (permisos escritura a Pepe y Maria)



Debe amosarse unha mensaxe de benvida e outra de despedida.



O número máximo de conexións será 100.

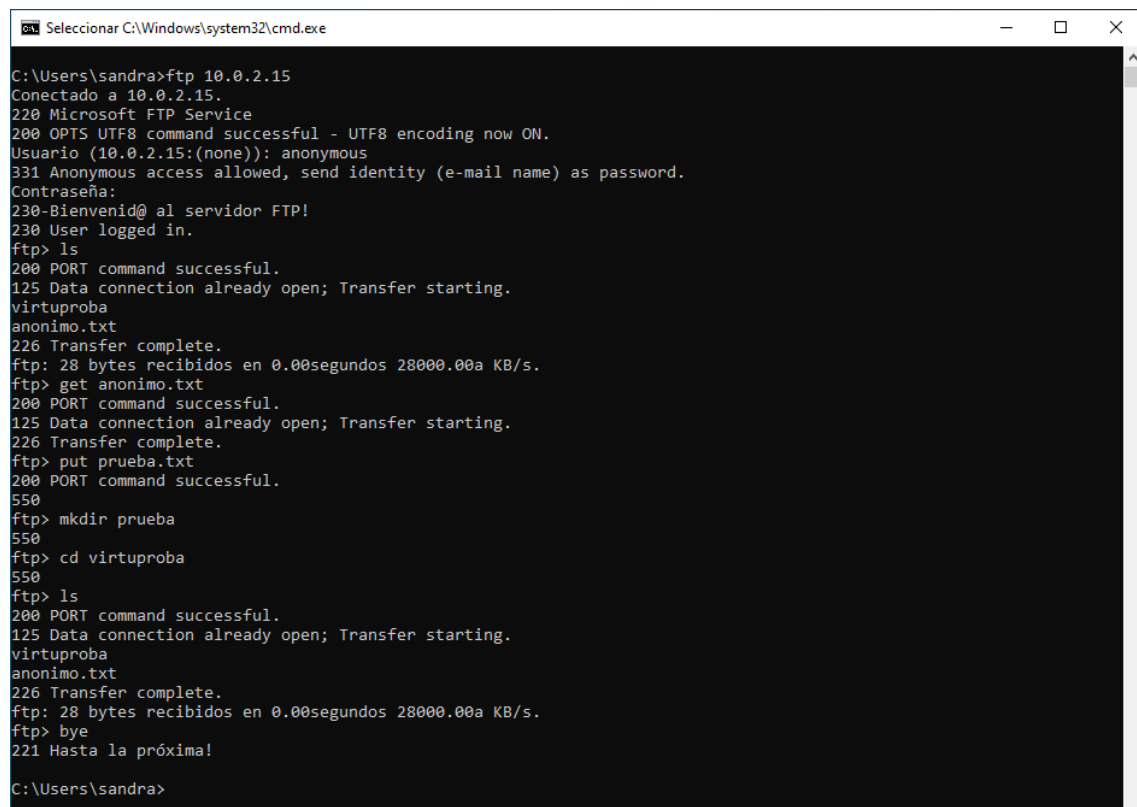


Visualizar:

Opcións configuradas no servidor.
(Incluidas arriba)

Acceso so servidor ftp utilizando a liña de comandos e comprobando o funcionamento para cada usuario (acceso, descargar, subir, crear carpeta, ...). Realiza as probas no directorio virtual global.

- Usuario anónimo (permisos de lectura)

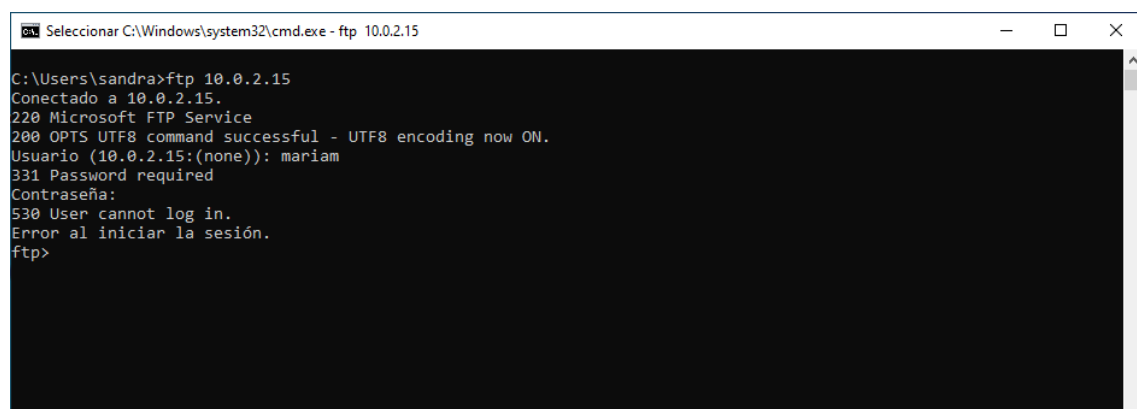


```
Seleccionar C:\Windows\system32\cmd.exe

C:\Users\sandra>ftp 10.0.2.15
Conectado a 10.0.2.15.
220 Microsoft FTP Service
200 OPTS UTF8 command successful - UTF8 encoding now ON.
Usuario (10.0.2.15:(none)): anonymous
331 Anonymous access allowed, send identity (e-mail name) as password.
Contraseña:
230-Bienvenid@ al servidor FTP!
230 User logged in.
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
virtuproba
anonimo.txt
226 Transfer complete.
ftp: 28 bytes recibidos en 0.00segundos 28000.00a KB/s.
ftp> get anonimo.txt
200 PORT command successful.
125 Data connection already open; Transfer starting.
226 Transfer complete.
ftp> put prueba.txt
200 PORT command successful.
550
ftp> mkdir prueba
550
ftp> cd virtuproba
550
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
virtuproba
anonimo.txt
226 Transfer complete.
ftp: 28 bytes recibidos en 0.00segundos 28000.00a KB/s.
ftp> bye
221 Hasta la próxima!

C:\Users\sandra>
```

- Usuario local sin permisos de acceso



```
Seleccionar C:\Windows\system32\cmd.exe - ftp 10.0.2.15

C:\Users\sandra>ftp 10.0.2.15
Conectado a 10.0.2.15.
220 Microsoft FTP Service
200 OPTS UTF8 command successful - UTF8 encoding now ON.
Usuario (10.0.2.15:(none)): mariam
331 Password required
Contraseña:
530 User cannot log in.
Error al iniciar la sesión.
ftp>
```

- Usuario local con permisos de acceso (permisos de lectura y escritura)

```
C:\Windows\system32\cmd.exe
C:\Users\sandra>ftp 10.0.2.15
Conectado a 10.0.2.15.
220 Microsoft FTP Service
200 OPTS UTF8 command successful - UTF8 encoding now ON.
Usuario (10.0.2.15:(none)): maria
331 Password required
Contraseña:
230-Bienvenid@ al servidor FTP!
230 User logged in.
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
virtuproba
Maria.txt
226 Transfer complete.
ftp: 26 bytes recibidos en 0.00segundos 26000.00a KB/s.
ftp> get Maria.txt
200 PORT command successful.
125 Data connection already open; Transfer starting.
226 Transfer complete.
ftp> put prueba.txt
200 PORT command successful.
125 Data connection already open; Transfer starting.
226 Transfer complete.
ftp> mkdir prueba
257 "prueba" directory created.
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
virtuproba
Maria.txt
prueba
prueba.txt
226 Transfer complete.
ftp: 46 bytes recibidos en 0.00segundos 46000.00a KB/s.
ftp> bye
221 Hasta la próxima!

C:\Users\sandra>
```

```
C:\Windows\system32\cmd.exe
C:\Users\sandra>ftp 10.0.2.15
Conectado a 10.0.2.15.
220 Microsoft FTP Service
200 OPTS UTF8 command successful - UTF8 encoding now ON.
Usuario (10.0.2.15:(none)): maria
331 Password required
Contraseña:
230-Bienvenid@ al servidor FTP!
230 User logged in.
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
virtuproba
Maria.txt
prueba
prueba.txt
226 Transfer complete.
ftp: 46 bytes recibidos en 0.00segundos 46000.00a KB/s.
ftp> cd virtuproba
250 CWD command successful.
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
directorio_apuntes.txt
226 Transfer complete.
ftp: 27 bytes recibidos en 0.00segundos 27000.00a KB/s.
ftp> mkdir apuntes2
257 "apuntes2" directory created.
ftp> put prueba.txt
200 PORT command successful.
125 Data connection already open; Transfer starting.
226 Transfer complete.
ftp> get directorio_apuntes.txt
200 PORT command successful.
125 Data connection already open; Transfer starting.
226 Transfer complete.
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
apuntes2
directorio_apuntes.txt
prueba.txt
226 Transfer complete.
ftp: 49 bytes recibidos en 0.00segundos 49000.00a KB/s.
ftp> bye
221 Hasta la próxima!

C:\Users\sandra>
```