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# Practica 1 BDA

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Asignatura, módulo o materia

23/07/16 - I.E.S Fernando Wirtz

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Fecha	Motivo del cambio
	Versión inicial

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## Primera Tarea

**BDA**

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alejandroregueiroru@A23P16 X alejandroregueiroru@A23P162 X + v
(bigdata) alejandroregueiroru@A23P162C:~$ sudo apt update
sudo apt -y dist-upgrade
sudo apt -y install curl
[sudo] password for alejandroregueiroru:
Hit:1 http://security.debian.org/debian-security bookworm-security InRelease
Hit:2 http://deb.debian.org/debian bookworm InRelease
Get:3 http://ftp.debian.org/debian bookworm-backports InRelease [59.0 kB]
Get:4 http://deb.debian.org/debian bookworm-updates InRelease [55.4 kB]
Fetched 114 kB in 0s (277 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
curl is already the newest version (7.88.1-10+deb12u8).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
(bigdata) alejandroregueiroru@A23P162C:~$ curl -fsSL https://get.docker.com -o get-docker.sh
sudo sh ./get-docker.sh
```

```

alejandroregueiroru@A23P16 X alejandroregueiroru@A23P162 X + v
(bigdata) alejandroregueiroru@A23P162C:~$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS      NAMES
(bigdata) alejandroregueiroru@A23P162C:~$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
c1ec31eb5944: Pull complete
Digest: sha256:5b3cc85e16e3058003c13b7821318369dad01dac3dbb877aac3c28182255c724
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

(bigdata) alejandroregueiroru@A23P162C:~$ |

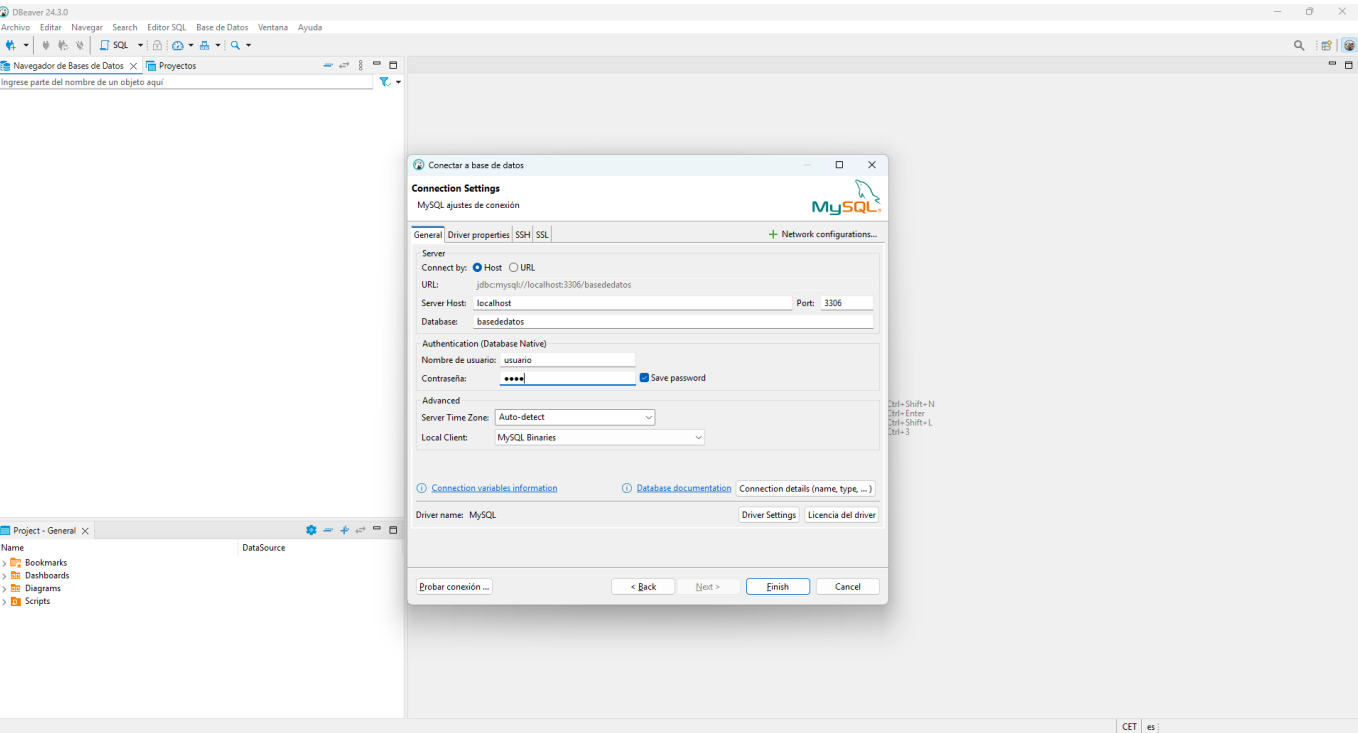
```

```

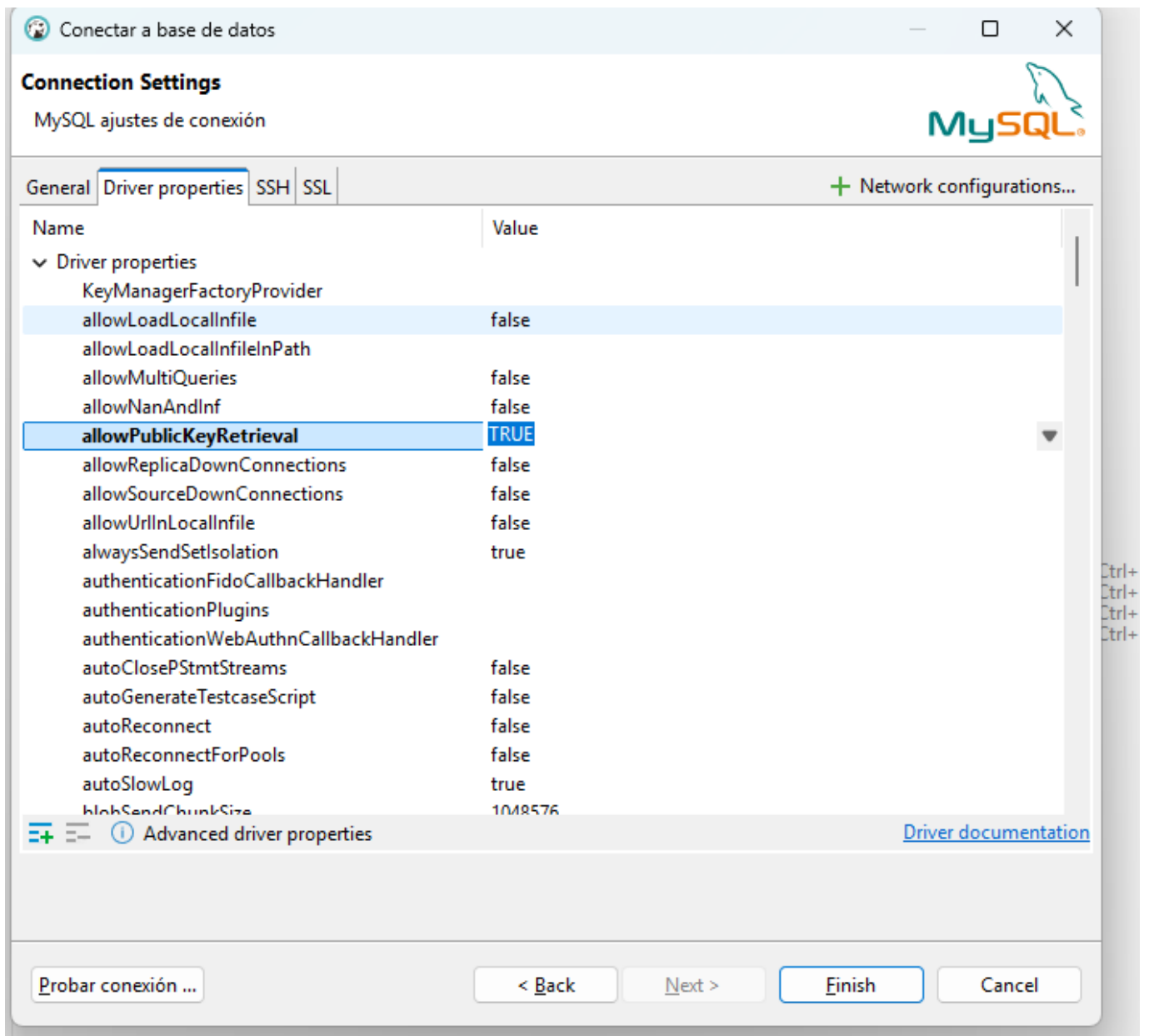
(bigdata) alejandroregueiroru@A23P162C:~$ docker run -p 9906:3306 --name contedor_mysql -v datomysql:/var/lib/mysql -e MYSQL_RANDOM_ROOT_PASSWORD=1 -e MYSQL_DATABASE=basededatos -e MYSQL_USER=usuario -e MYSQL_PASSWORD=1234 --restart unless-stopped -d mysql:8
Unable to find image 'mysql:8' locally
8: Pulling from library/mysql
2c0a233485c3: Extracting [>] 491.5kB/49.1MB
6f5cca38a221: Download complete
d7c84b66ede0: Download complete
299f6f88c6cf: Downloading [>] 69.02kB/6.9MB
d39eae8f9927: Waiting
ec957361569: Waiting
f6d9f08cb1be: Waiting
d496930b710c: Waiting
4d755d8c89d1: Waiting
699d8e3dc44b: Waiting

```

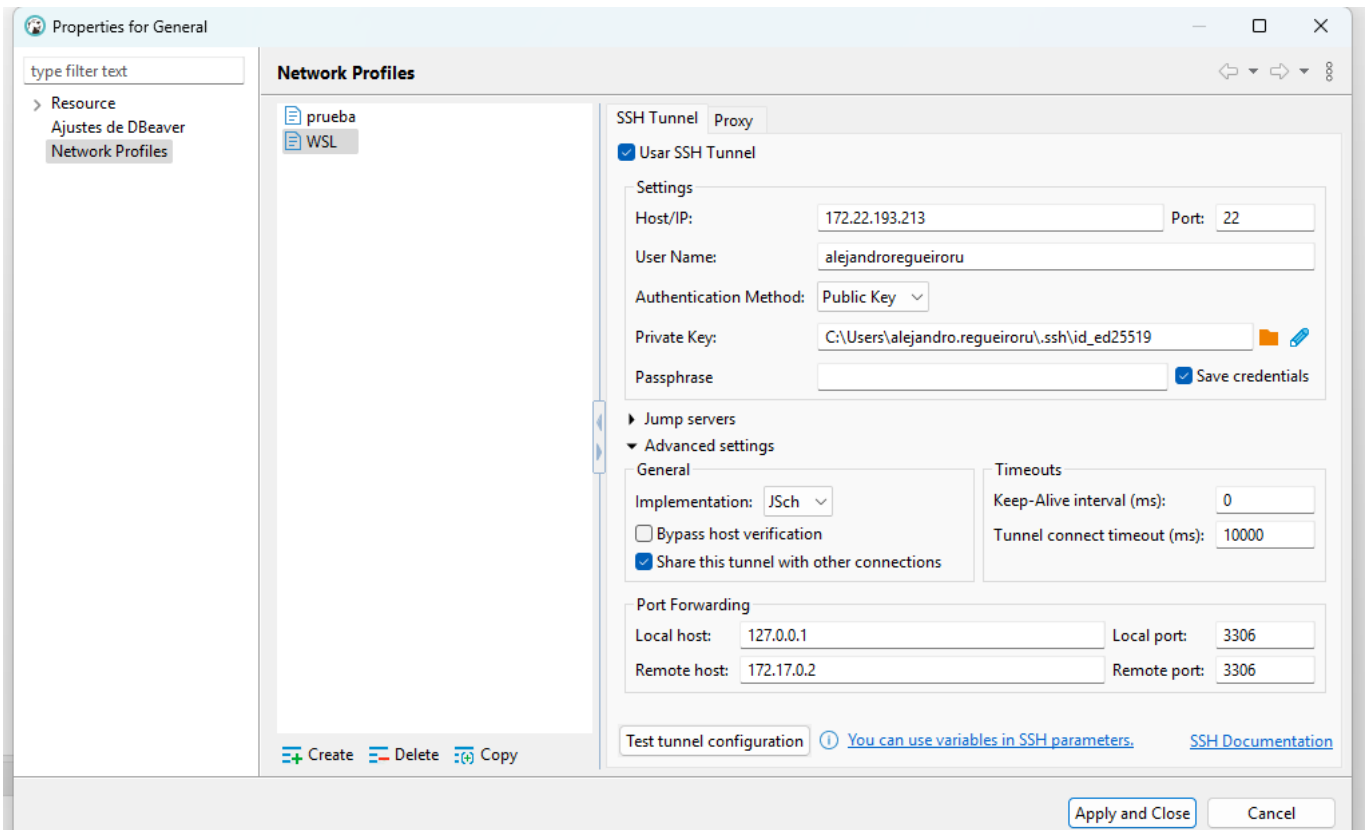
Instaló todos los paquetes necesarios e inicializó el docker de MySQL



Configuro el nombre de la base de datos e introduzco el usuario

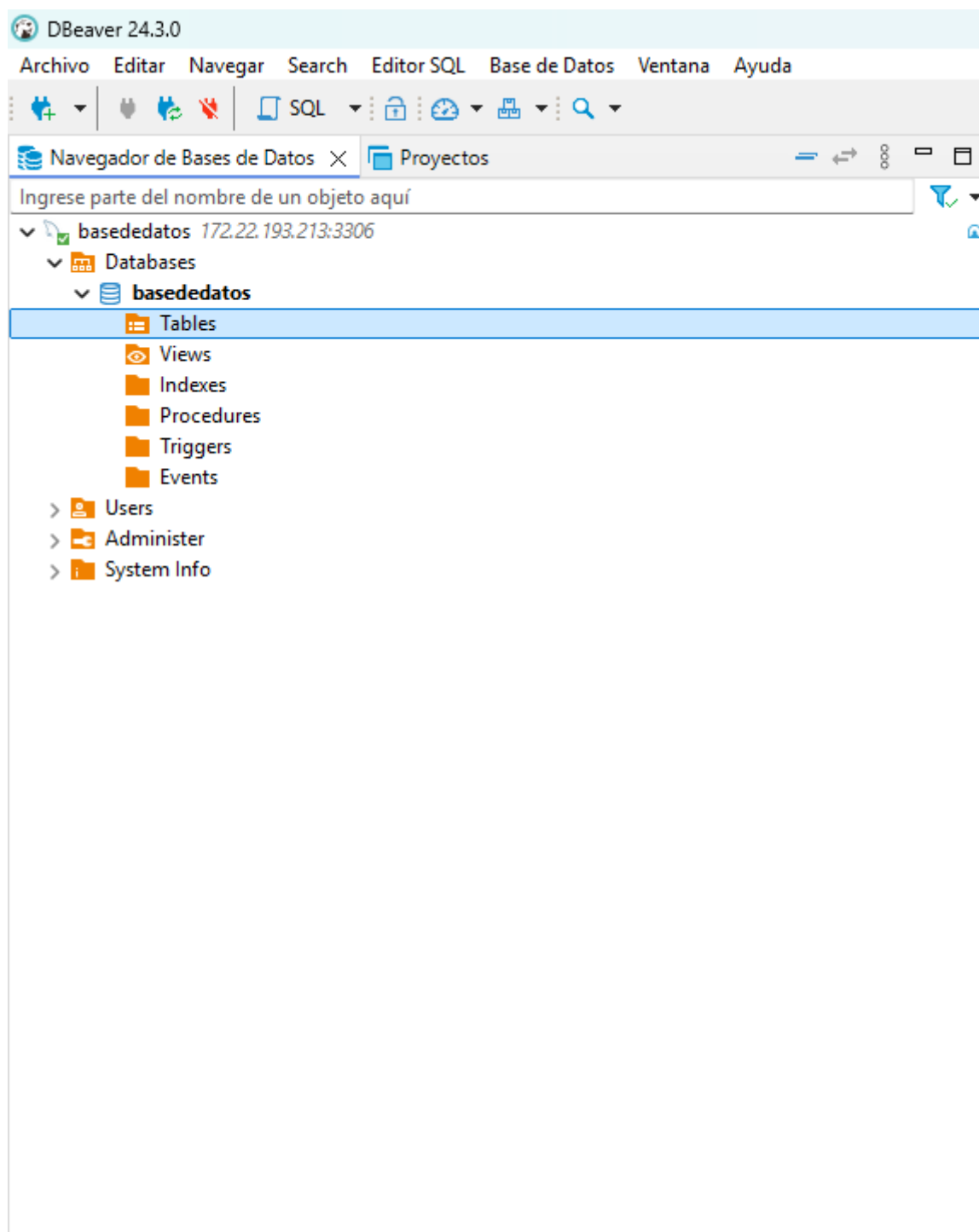


Permito las claves ssh

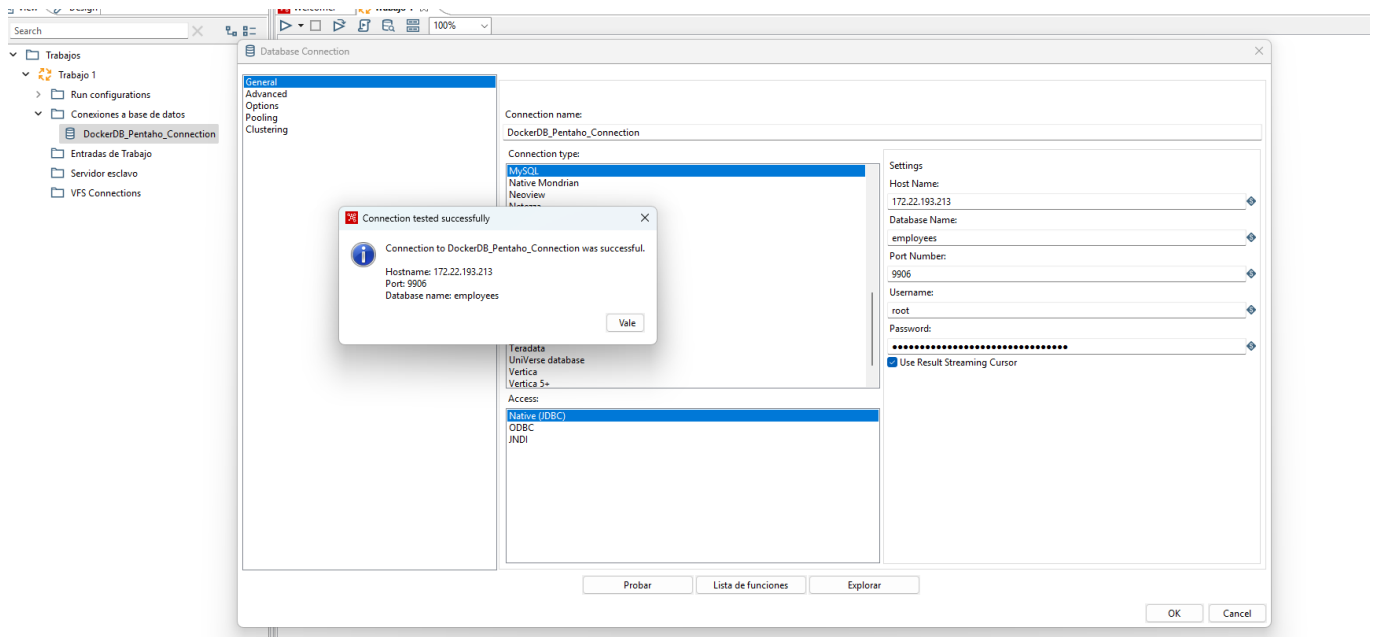


Introduzco la información para conectar a la base de datos de wsl.





Como podemos ver la conexión se hizo correctamente



Para poder conectar con pentaho es necesario crear un tunel ssh e indicar dentro de wsl el puerto y ruta de mi base de datos. Una vez hecho el tunel necesito acceder como root y comprobar que la conexión está correcta.