T1.1: Traballando con MySQL

Big Data Aplicado 17/12/2024 - IES Fernando Wirtz Constantin Madalin Ismana

Fecha	Motivo del cambio
17/12/2024	Versión inicial
17/12/2024	Inicio de la tarea
18/12/2024	Instalación del Pentaho

Índice

Instalamos el paquete de Openssh-server	2
Creación de la base de datos	
Editamos o Arquivo SQL	
Contraseña del Root	
Modo Interactivo Mysql	
Ajustes de DBeaver	
Consultas SQL	
Instalacion de Pentaho	

Instalamos el paquete de Openssh-server

Vamos a instalar el servidor de openssh, con el siguiente comando

```
(base) cmadalini@A23P169C:~$ sudo apt-get install openssh-server [sudo] password for cmadalini:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:9.2p1-2+deb12u3).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
(base) cmadalini@A23P169C:~$
```

Creación de la base de datos

Creamos el contenedor, la base de datos con el usuario y contraseña, mas añadimos otro contenedor en el mismo que creamos con el siguiente comando.

docker run -p 9906:3306 --name contedor_mysql -v datosmysql:/var/lib/mysql -v /home/cmadalini/employees_db:/employees_db -e
MYSQL_RANDOM_ROOT_PASSWORD=1 -e MYSQL_DATABASE=basededatos -e
MYSQL_USER=usuario -e MYSQL_PASSWORD=Contrasinal123. --restart
unless-stopped -d mysql:8

(base) cmadalini@A23P169C:-\$ docker run -p 9906:3306 --name contedor_mysql -v datosmysql:/var/lib/mysql -v /home/cmadalini/employees_db:/employees_db -e MYSQL_RANDOM_RO OT_PASSWORD=1 -e MYSQL_DATABASE=basededatos -e MYSQL_USER=usuario -e MYSQL_PASSWORD=Contrasinal123. --restart unless-stopped -d mysql:8

ES Fernando Wirtz 3/12

Editamos o Arquivo SQL

Editamos el arquivo employees.sql para que no nos salga un error. nano employees_db/employees.sql

Contraseña del Root

Buscamos la contraseña del root que es aleatoria con el seguiente comando:

docker logs contedor_mysql|grep GENERATED

ES Fernando Wirtz 5/12

Modo Interactivo Mysql

Entramos en el modo interactivo de mysql y despues con los siguientes comandos los vamos a ejecutar

```
(base) cmadalini@A23P169C:~$ docker exec -it contedor_mysql /bin/bash bash-5.1# cd /employees_db/
bash-5.1# mysql -hlocalhost -uroot -pEewOysZWFzEsm3xbMTiomi+XzsjvE/EV
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 20
Server version: 8.4.3 MySQL Community Server - GPL

Copyright (c) 2000, 2024, Oracle and/or its affiliates.

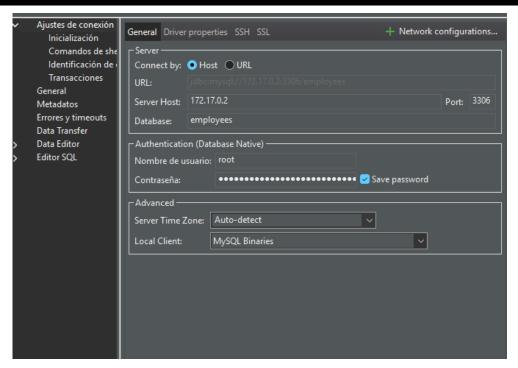
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

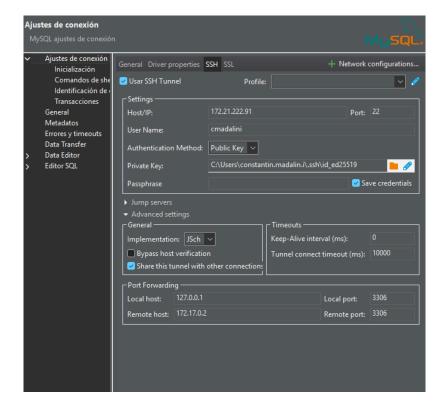
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> source employees.sql
```

6/12 ES Fernando Wirtz

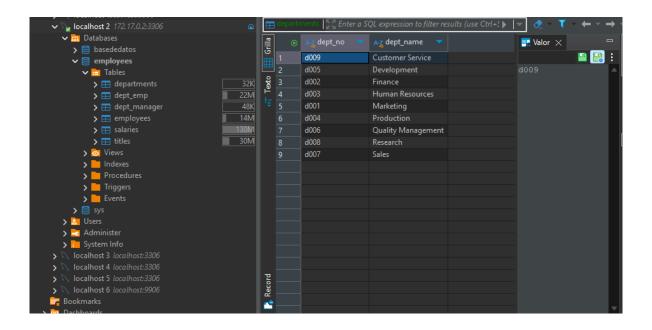
Ajustes de DBeaver

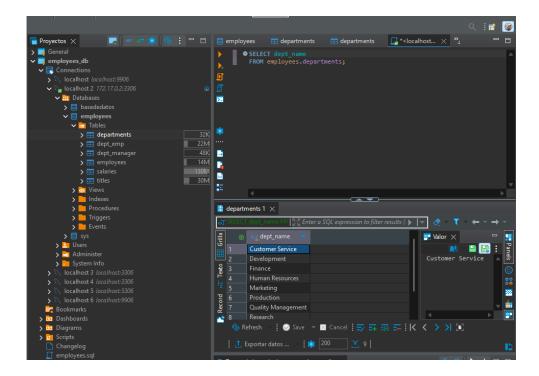




ES Fernando Wirtz 7/12

Consultas SQL





8/12 ES Fernando Wirtz

Instalacion de Pentaho

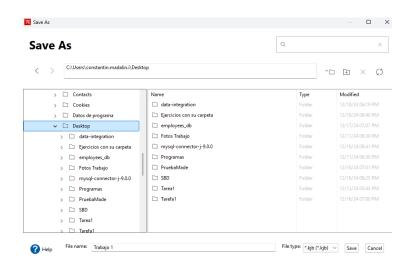




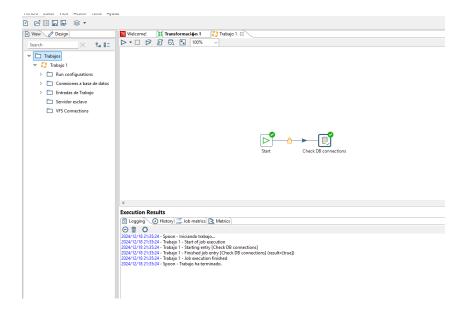
(bigdata) PS C:\Users\constantin.madalin.i> ssh cmadalini@172.21.222.91 -L 3306:172.17.0.2:3306
bind [127.0.0.1]:3306: Permission denied
Linux A23P169C 5.15.167.4-microsoft-standard-WSL2 #1 SMP Tue Nov 5 00:21:55 UTC 2024 x86_64

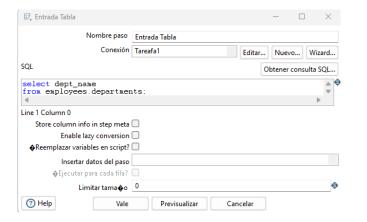
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

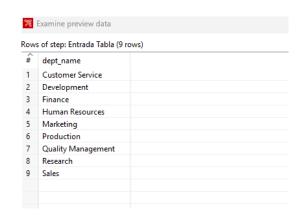
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Dec 18 21:15:23 2024 from 172.21.222.91
(base) cmadalini@A23P169C:-\$ conda activate bigdata
(bigdata) cmadalini@A23P169C:-\$



ES Fernando Wirtz 9/12







10/12