

Instituto Tecnológico Superior de Jerez.



Jerez de García Salinas a 04 de Marzo del 2020.

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S17070157.

INGENIERÍA EN SISTEMAS COMPUTACIONALES.

Administración de Bases de Datos.

6to. Semestre.

Reporte de Practica (Instalación de BDs MySQL en Debian).

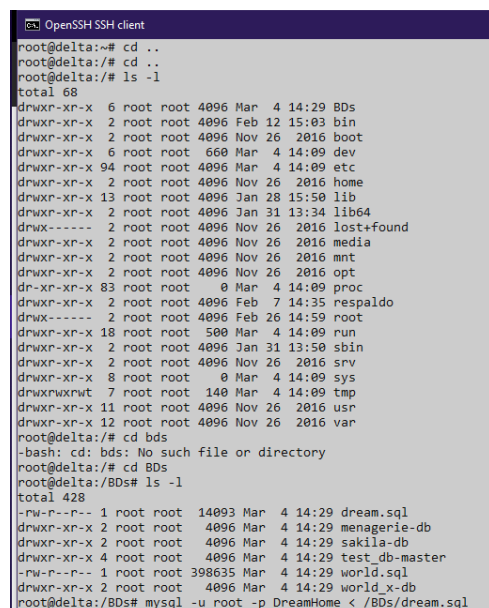
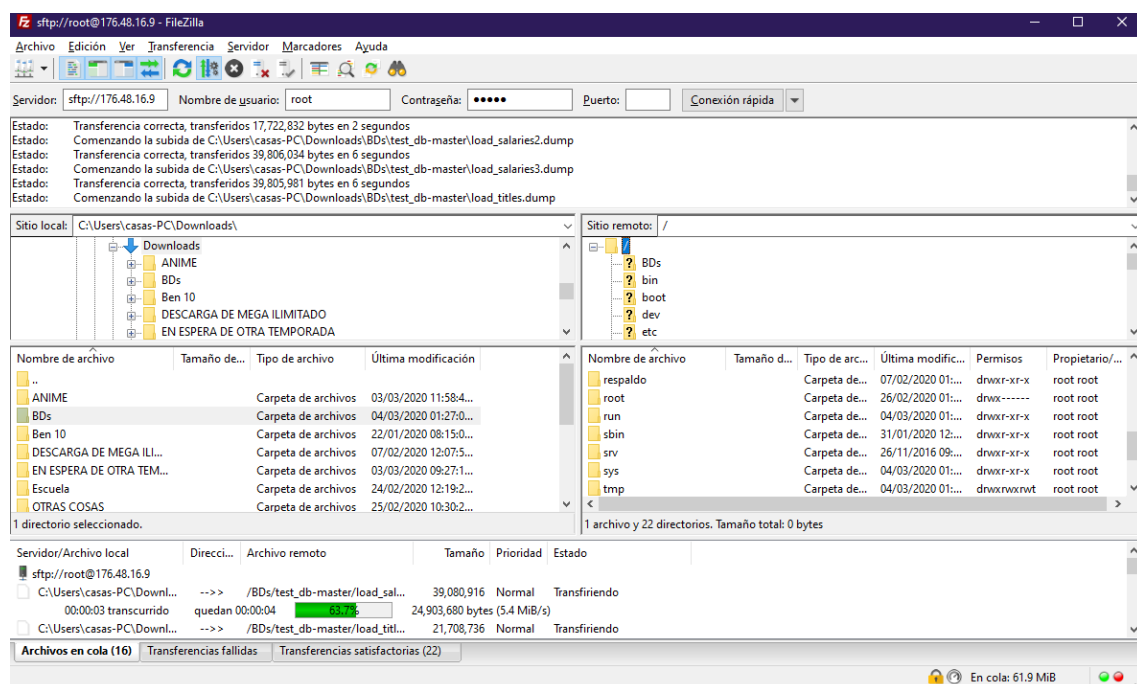
ISC. Salvador Acevedo Sandoval.

Objetivo.

El presente reporte se realiza con la finalidad de mostrar los resultados obtenidos al intentar realizar la instalación de las bases de datos de ejemplo que posee MySQL.

Procedimiento.

Para empezar, fue necesario utilizar una aplicación para subir los archivos necesarios al servidor, en este caso se utilizó FileZilla.



Ya dentro de nuestro servidor, procedemos a importar las bases de datos.

1. World

```
OpenSSH SSH client
root@delta:/BDs# mysql -u root -p world < world.sql
Enter password:
root@delta:/BDs#
```

2. World_x

Debido a las versiones de MySQL no es posible instalarla ya que utiliza tipos de datos y funciones que no son soportados por la versión de la que disponemos.

3. DreamHome

```
OpenSSH SSH client
root@delta:/BDs# mysql -u root -p BD_Dreamhome < dream.sql
Enter password:
root@delta:/BDs#
```

4. Sakila

```
OpenSSH SSH client
root@localhost:[(none)]> source /BDs/sakila-db/sakila-schema.sql
Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Database changed
Query OK, 0 rows affected (0.07 sec)

Query OK, 0 rows affected (0.05 sec)

Query OK, 0 rows affected (0.16 sec)

Query OK, 0 rows affected (0.04 sec)

Query OK, 0 rows affected (0.04 sec)

Query OK, 0 rows affected (0.05 sec)

Query OK, 0 rows affected (0.05 sec)

Query OK, 0 rows affected (0.05 sec)

Query OK, 0 rows affected (0.05 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.02 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.04 sec)
```

```
OpenSSH SSH client
root@localhost:[sakila]> source /BDs/sakila-db/sakila-data.sql
Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Database changed
Query OK, 0 rows affected (0.00 sec)

Query OK, 200 rows affected (0.00 sec)
Records: 200 Duplicates: 0 Warnings: 0

Query OK, 0 rows affected (0.07 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 603 rows affected (0.01 sec)
Records: 603 Duplicates: 0 Warnings: 0

Query OK, 0 rows affected (0.02 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 16 rows affected (0.00 sec)
Records: 16 Duplicates: 0 Warnings: 0

Query OK, 0 rows affected (0.01 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 600 rows affected (0.01 sec)
Records: 600 Duplicates: 0 Warnings: 0

Query OK, 0 rows affected (0.04 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 109 rows affected (0.00 sec)
Records: 109 Duplicates: 0 Warnings: 0
```

5. Menagerie

```
OpenSSH SSH client
root@localhost:[sakila]> create database menagerie;
Query OK, 1 row affected (0.00 sec)

root@localhost:[sakila]> use menagerie;
Database changed
root@localhost:[menagerie]> source /BDs/menagerie-db/cr_pet_tbl.sql
Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected (0.07 sec)

root@localhost:[menagerie]> LOAD DATA LOCAL INFILE '/BDs/menagerie-db/pet.txt' INTO TABLE pet;
ERROR 1148 (42000): The used command is not allowed with this MySQL version
root@localhost:[menagerie]>
```

```
OpenSSH SSH client
root@delta:BDs# mysql -u root -p --local-infile=1
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 65
Server version: 5.5.62-0+deb8u1 (Debian)

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owners.

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

root@localhost:[(none)]> use menagerie;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[menagerie]> LOAD DATA LOCAL INFILE '/BDs/menagerie-db/pet.txt' INTO TABLE pet;
Query OK, 8 rows affected (0.06 sec)
Records: 8 Deleted: 0 Skipped: 0 Warnings: 0

root@localhost:[menagerie]> source /BDs/menagerie-db/ins_puff_rec.sql
Query OK, 1 row affected (0.03 sec)

root@localhost:[menagerie]> source /BDs/menagerie-db/cr_event_tbl.sql
Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected (0.05 sec)

root@localhost:[menagerie]> LOAD DATA LOCAL INFILE '/BDs/menagerie-db/event.txt' INTO TABLE event;
Query OK, 10 rows affected, 2 warnings (0.02 sec)
Records: 10 Deleted: 0 Skipped: 0 Warnings: 2

root@localhost:[menagerie]> _
```

6. Employees

```
OpenSSH SSH client
root@delta:BDs/employees# mysql -u root -p employees < employees.sql
Enter password:
INFO
CREATING DATABASE STRUCTURE
INFO
storage engine: InnoDB
INFO
LOADING departments
INFO
LOADING employees
INFO
LOADING dept_emp
INFO
LOADING dept_manager
INFO
LOADING titles
INFO
LOADING salaries
data_load_time_diff
NULL
root@delta:BDs/employees# _
```

Resultados.

```
OpenSSH SSH client
root@localhost:[(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| BD_Dreamhome |
| employees |
| menagerie |
| mysql |
| performance_schema |
| sakila |
| usuarios_sistema |
| world |
| world_x |
+-----+
10 rows in set (0.01 sec)
root@localhost:[(none)]>
```

1. World

- Conexión y tablas.

```
Selecionar OpenSSH SSH client
root@localhost:[(none)]> use world;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[world]> show tables;
+-----+
| Tables_in_world |
+-----+
| city |
| country |
| countrylanguage |
+-----+
3 rows in set (0.00 sec)
```

- Registros.

```
Selecionar OpenSSH SSH client
root@localhost:[world]> select * from city;
```

ID	Name	CountryCode	District	Population
1	Kabul	AFG	Kabul	1780000
2	Qandahar	AFG	Qandahar	237500
3	Herat	AFG	Herat	186800
4	Mazar-e-Sharif	AFG	Balkh	127800
5	Amsterdam	NLD	Noord-Holland	731200
6	Rotterdam	NLD	Zuid-Holland	593321
7	Haag	NLD	Zuid-Holland	440900
8	Utrecht	NLD	Utrecht	234323
9	Eindhoven	NLD	Noord-Brabant	281843
10	Tilburg	NLD	Noord-Brabant	193238
11	Groningen	NLD	Groningen	172701
12	Breda	NLD	Noord-Brabant	160398
13	Apeldoorn	NLD	Gelderland	153491
14	Nijmegen	NLD	Gelderland	152463
15	Enschede	NLD	Overijssel	149544
16	Haarlem	NLD	Noord-Holland	148772
17	Almere	NLD	Flevoland	142465
18	Arnhem	NLD	Gelderland	138020
19	Zaanstad	NLD	Noord-Holland	135621
20	s-Hertogenbosch	NLD	Noord-Brabant	129170
21	Amersfoort	NLD	Utrecht	126270
22	Maastricht	NLD	Limburg	122887
23	Dordrecht	NLD	Zuid-Holland	119811
24	Leiden	NLD	Zuid-Holland	117196
25	Haarlemmermeer	NLD	Noord-Holland	110722
26	Zoetermeer	NLD	Zuid-Holland	110214
27	Emmen	NLD	Drenthe	105853
28	Zwolle	NLD	Overijssel	105819
29	Ede	NLD	Gelderland	101574
30	Delft	NLD	Zuid-Holland	95268
31	Heerlen	NLD	Limburg	95052
32	Alkmaar	NLD	Noord-Holland	92713
33	Willemstad	ANT	Curacao	2345
34	Tirana	ALB	Tirana	270000
35	Alger	DZA	Alger	2168000
36	Oran	DZA	Oran	609823
37	Constantine	DZA	Constantine	443727
38	Annaba	DZA	Annaba	222518
39	Batna	DZA	Batna	183377
40	Stif	DZA	Stif	179055
41	Sidi Bel Abbs	DZA	Sidi Bel Abbs	153106

2. World_x

Debido a las versiones de MySQL no es posible instalarla ya que utiliza tipos de datos y funciones que no son soportados por la versión de la que disponemos.

3. DreamHome

- **Conexión y tablas.**

```
OpenSSH SSH client
root@localhost:~# use BD_Dreamhome;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[BD_Dreamhome]> show tables;
+-----+
| Tables_in_BD_Dreamhome |
+-----+
| Branch                  |
| Client                  |
| PrivateOwner            |
| PropertyForRent         |
| Registration            |
| Staff                   |
| Viewing                 |
+-----+
7 rows in set (0.00 sec)

root@localhost:[BD_Dreamhome]>
```

- **Registros.**

```
OpenSSH SSH client
root@localhost:[BD_Dreamhome]> select * from Branch;
+-----+-----+-----+-----+
| BranchNo | Street      | City      | Postcode |
+-----+-----+-----+-----+
| B002     | 56 Clover Dr | London    | NW10 6EU |
| B003     | 163 Main St  | Glasgow   | G119QX   |
| B004     | 32 Manse Rd  | Bristol   | BS99 1NZ |
| B005     | 22 Deer Rd   | London    | SW1 4EH  |
| B007     | 16 Argyll St | Aberdeen  | AB2 3SU  |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

root@localhost:[BD_Dreamhome]> _
```

4. Sakila

- **Conexión y tablas.**

```
OpenSSH SSH client
root@localhost:[world]> use sakila;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[sakila]> show tables;
+-----+
| Tables_in_sakila |
+-----+
| actor             |
| actor_info        |
| address           |
| category          |
| city              |
| country           |
| customer           |
| customer_list     |
| film              |
| film_actor        |
| film_category     |
| film_list         |
| film_text         |
| inventory         |
| language          |
| nicer_but_slower_film_list |
| payment           |
| rental            |
| sales_by_film_category |
| sales_by_store    |
| staff             |
| staff_list        |
| store             |
+-----+
23 rows in set (0.00 sec)
```

- **Registros.**

OpenSSH SSH client

```
root@localhost:[sakila]> select * from actor;
```

actor_id	first_name	last_name	last_update
1	PENELOPE	GUINNESS	2006-02-15 04:34:33
2	NICK	WAHLBERG	2006-02-15 04:34:33
3	ED	CHASE	2006-02-15 04:34:33
4	JENNIFER	DAVIS	2006-02-15 04:34:33
5	JOHNNY	LOLLOBRIGIDA	2006-02-15 04:34:33
6	BETTE	NICHOLSON	2006-02-15 04:34:33
7	GRACE	MOSTEL	2006-02-15 04:34:33
8	MATTHEW	JOHANSSON	2006-02-15 04:34:33
9	JOE	SWANK	2006-02-15 04:34:33
10	CHRISTIAN	GABLE	2006-02-15 04:34:33
11	ZERO	CAGE	2006-02-15 04:34:33
12	KARL	BERRY	2006-02-15 04:34:33
13	UMA	WOOD	2006-02-15 04:34:33
14	VIVIEN	BERGEN	2006-02-15 04:34:33
15	CUBA	OLIVIER	2006-02-15 04:34:33
16	FRED	COSTNER	2006-02-15 04:34:33
17	HELEN	VOIGHT	2006-02-15 04:34:33
18	DAN	TORN	2006-02-15 04:34:33
19	BOB	FANCETT	2006-02-15 04:34:33
20	LUCILLE	TRACY	2006-02-15 04:34:33
21	KIRSTEN	PALTROW	2006-02-15 04:34:33
22	ELVIS	MARX	2006-02-15 04:34:33
23	SANDRA	KILMER	2006-02-15 04:34:33
24	CAMERON	STREEP	2006-02-15 04:34:33
25	KEVIN	BLOOM	2006-02-15 04:34:33
26	RIP	CRAWFORD	2006-02-15 04:34:33
27	JULIA	MCQUEEN	2006-02-15 04:34:33
28	WOODY	HOFFMAN	2006-02-15 04:34:33
29	ALEC	WAYNE	2006-02-15 04:34:33
30	SANDRA	PECK	2006-02-15 04:34:33
31	SISSY	SOBIESKI	2006-02-15 04:34:33
32	TIM	HACKMAN	2006-02-15 04:34:33
33	MILLA	PECK	2006-02-15 04:34:33
34	AUDREY	OLIVIER	2006-02-15 04:34:33
35	JUDY	DEAN	2006-02-15 04:34:33
36	BURT	DUKAKIS	2006-02-15 04:34:33
37	VAL	BOLGER	2006-02-15 04:34:33
38	TOM	MCKELLEN	2006-02-15 04:34:33
39	GOLDIE	BRODY	2006-02-15 04:34:33
40	JOHNNY	CAGE	2006-02-15 04:34:33
41	JODIE	DEGENERES	2006-02-15 04:34:33

5. Menagerie

- **Conexión y tablas.**

OpenSSH SSH client

```
root@localhost:[sakila]> use menagerie
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[menagerie]> show tables;
```

Tables_in_menagerie
event
pet

2 rows in set (0.00 sec)

- **Registros.**

OpenSSH SSH client

```
root@localhost:[menagerie]> select * from event;
```

name	date	type	remark
Fluffy	1995-05-15	litter	4 kittens, 3 female, 1 male
Buffy	1993-06-23	litter	5 puppies, 2 female, 3 male
Buffy	1994-06-19	litter	3 puppies, 3 female
Chirpy	1999-03-21	vet	needed beak straightened
Slim	1997-08-03	vet	broken rib
Bowser	1991-10-12	kennel	NULL
Fang	1991-10-12	kennel	NULL
Fang	1998-08-28	birthday	Gave him a new chew toy
Claws	1998-03-17	birthday	Gave him a new flea collar
Whistler	1998-12-09	birthday	First birthday

10 rows in set (0.00 sec)

6. Employees

- **Conexión y tablas.**

```
OpenSSH SSH client
root@localhost:~# use employees;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[employees]> show tables;
+-----+
| Tables_in_employees |
+-----+
| current_dept_emp     |
| departments          |
| dept_emp             |
| dept_emp_latest_date |
| dept_manager         |
| employees            |
| salaries             |
| titles               |
+-----+
8 rows in set (0.00 sec)

root@localhost:[employees]>
```

- **Registros. (select * from titles)**

442947	Senior Staff	1995-10-31	9999-01-01
442947	Staff	1986-10-31	1995-10-31
442948	Engineer	1995-10-03	2000-12-03
442949	Engineer	1994-12-17	9999-01-01
442950	Senior Engineer	1997-10-25	9999-01-01
442951	Technique Leader	1992-03-22	1995-11-04
442952	Engineer	1997-05-08	9999-01-01
442953	Engineer	1991-10-09	1997-10-08
442953	Senior Engineer	1997-10-08	9999-01-01
442954	Staff	1997-11-19	9999-01-01
442955	Staff	1998-05-14	9999-01-01
442956	Senior Engineer	1991-08-16	9999-01-01
442957	Senior Staff	2000-03-20	9999-01-01
442957	Staff	1994-03-21	2000-03-20
442958	Engineer	1994-01-05	2000-01-05
442958	Senior Engineer	2000-01-05	9999-01-01
442959	Senior Staff	1986-03-20	1993-09-23
442960	Engineer	1986-11-24	1994-11-24
442960	Senior Engineer	1994-11-24	9999-01-01
442961	Senior Staff	1998-07-08	9999-01-01
442962	Senior Staff	2000-05-13	9999-01-01
442962	Staff	1993-05-13	2000-05-13
442963	Engineer	1999-02-04	9999-01-01
442964	Engineer	1987-05-09	1994-05-09
442964	Senior Engineer	1994-05-09	2000-11-05
442965	Senior Staff	1999-12-24	9999-01-01
442965	Staff	1994-12-24	1999-12-24
442966	Engineer	1989-03-25	1995-03-25
442966	Senior Engineer	1995-03-25	9999-01-01
442967	Senior Staff	1995-10-19	1999-06-09
442967	Staff	1986-10-19	1995-10-19
442968	Engineer	1990-08-19	1996-08-18
442968	Senior Engineer	1996-08-18	9999-01-01
442969	Senior Staff	1999-12-08	9999-01-01
442970	Senior Staff	1996-10-19	9999-01-01
442971	Engineer	1993-05-05	2002-05-05
442971	Senior Engineer	2002-05-05	9999-01-01
442972	Engineer	1995-01-07	1998-11-11
442973	Technique Leader	1999-02-23	9999-01-01
442974	Engineer	1991-04-07	1998-04-07
442974	Senior Engineer	1998-04-07	9999-01-01
442975	Engineer	1990-01-30	1996-01-30
442975	Senior Engineer	1996-01-30	9999-01-01
442976	Engineer	1992-10-10	2001-10-10
442976	Senior Engineer	2001-10-10	9999-01-01

Conclusión.

Se logro con éxito la instalación de todas las bases de datos, bueno, casi todas, world_x no se pudo instalar debido a la diferencia de las versiones de MySQL, pero de ahí en mas no hubo ningún problema.

Por otro lado, en las capturas, cuando se muestran los resultados de las consultas, en la mayoría eran tantos los resultados que solo se puso la primera página de ellos, por ejemplo, en la de employees, fueron tantos los resultados que la instrucción se perdió y no fue posible volver a su inicio por más que retrocediera.

Referencias.

- NE. (NE). Download FileZilla Client for Windows (64bit). 2020, de filezilla-project Sitio web: <https://filezilla-project.org/download.php?type=client>
- NE. (NE). Cómo importar y exportar bases de datos MySQL por consola en Linux. 2020, de blog.endeos Sitio web: <https://blog.endeos.com/como-importar-y-exportar-bases-de-datos-mysql-por-consola-en-linux/>