

1.

MS Access to MySQL (5.5.0.282)

Source Database

Specify which MS Access database to use as data source for the transfer.

File name: C:\Users\13xfr\Downloads\Datos_Vuelos.mdb

Security

If your Access database is password protected you can enter your security settings below. Some databases only require a password where you must specify the system database and username for others as well.

System DB:

Username:

Password:

< Back

Next >

Cancel

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Destination Database

Specify the MySQL destination database and connection information.

Direct transfer

Create dump file

Dump File Options

File name: G:\Mi unidad\BAE\UT 4\4.5\datos_vuelos.sql

Warning: If you already have a file with that name it will be overwritten.

MySQL Destination Database

Database: AgenciaViajes

Storage Engine: InnoDB

< Back

Next >

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Select Tables

Select the tables you want to transfer from the source database to the destination database.

Aviones

Reservas

Vuelos

Select All

Select None

Expand All

Collapse All

Double click the tablename to specify which fields you want to be included in the transfer

< Back

Next >

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Transfer Options

Use this page to set some options that will affect the database transfer.

Drop and recreate destination database

Transfer indexes

Transfer records

Include column list in INSERT statements

Create tables (drops existing)

Unicode (utf-8)

Enable autocommit

Field Information

Default value properties

Auto number properties

< Back

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Conversion Result

This page displays a summary of the conversion.

Moving data to G:\Mi unidad\BAE\UT 4\4.5\datos_vuelos.sql

TABLES

Table: Aviones

- 5 records moved

Table: Reservas

- 15 records moved

Table: Vuelos

- 15 records moved

< Back

Exit

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BAE > UT 4 > 4.5 > datos_vuelos.sql

1 # DUMP FILE

2 #

3 # Database is ported from MS Access

4 #

5 # Created using "MS Access to MySQL" form http://www.bullzip.com

6 # Program Version 5.5.282

7 #

8 # OPTIONS:

9 #

10 # sourcefilename=C:/Users/13xfr/Downloads/Datos_Vuelos.mdb

11 # sourceusername=

12 # sourcepassword=

13 # sourcesystemdatabase=

14 # destinationdatabase=AgenciaViajes

15 # storageengine=InnoDB

16 # dropdatabase=0

17 # createtables=1

18 # unicode=1

19 # autocommit=1

20 # transferdefaultvalues=1

21 # transferindexes=1

22 # transferautocommit=1

23 # transferrecords=1

24 # columlist=1

25 # tableprefix=

26 # negativeboollean=0

27 # ignorelargeobjs=0

28 # memotype=LONGTEXT

29 # datetimetype=DATE

30 #

31

32 CREATE DATABASE IF NOT EXISTS `AgenciaViajes`;

33 USE `AgenciaViajes`;

34

35

36

37

38

```
mysql> drop database AgenciaViajes;
Query OK, 3 rows affected (0.05 sec)

mysql> #
mysql> # DUMP FILE
mysql> #
mysql> # Database is ported from MS Access
mysql> # -----
mysql> # Created using "MS Access to MySQL" form http://www.bullzip.com
mysql> # Program Version 5.5.282
mysql> #
mysql> # OPTIONS:
mysql> # sourcefilename=C:/Users/13xfr/Downloads/Datos_Vuelos.mdb
mysql> # sourceusername=
mysql> # sourcepassword=
mysql> # sourcesystemdatabase=
mysql> # destinationdatabase=AgenciaViajes
mysql> # storageengine=InnoDB
mysql> # dropdatabase=0
mysql> # createtables=1
mysql> # unicode=1
mysql> # autocommit=1
mysql> # transferdefaultvalues=1
mysql> # transferindexes=1
```

```
mysql> use AgenciaViajes;
Database changed
mysql> show tables;
+-----+
| Tables_in_agenciaviajes |
+-----+
| aviones                  |
| reservas                 |
| vuelos                   |
+-----+
3 rows in set (0.00 sec)

mysql> describe aviones;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| Tipo       | varchar(3)    | YES  |     | NULL    |       |
| Nombre     | varchar(80)   | YES  |     | NULL    |       |
| Capacidad  | int           | YES  |     | 0        |       |
| Longitud   | decimal(10,2) | YES  |     | 0.00    |       |
| Envergadura | decimal(10,2) | YES  |     | 0.00    |       |
| Velocidad  | decimal(10,2) | YES  |     | 0.00    |       |
+-----+
6 rows in set (0.00 sec)

mysql> describe reservas;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| NumVuelo   | varchar(6)    | YES  |     | NULL    |       |
| FechaSalida | datetime      | YES  |     | NULL    |       |
| PlazasLibres | int           | YES  |     | 0        |       |
+-----+
3 rows in set (0.00 sec)

mysql> describe vuelos;
+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+
| NumVuelo   | varchar(6)    | YES  |     | NULL    |       |
| Origen      | varchar(50)   | YES  |     | NULL    |       |
| Destino     | varchar(50)   | YES  |     | NULL    |       |
| HoraSalida  | datetime      | YES  |     | NULL    |       |
| TipoAvion  | varchar(3)    | YES  |     | NULL    |       |
+-----+
```

2.

```
alter table aviones add FechaConstruccion date not null
default (curdate());
```

```
mysql> alter table aviones add FechaConstruccion date not null
-> default (curdate());
Query OK, 5 rows affected (0.05 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> describe aviones;
```

Field	Type	Null	Key	Default	Extra
Tipo	varchar(3)	YES		NULL	
Nombre	varchar(80)	YES		NULL	
Capacidad	int	YES		0	
Longitud	decimal(10,2)	YES		0.00	
Envergadura	decimal(10,2)	YES		0.00	
Velocidad	decimal(10,2)	YES		0.00	
FechaConstruccion	date	NO		curdate()	DEFAULT_GENERATED

3.

```
alter table aviones add constraint pk_aviones primary key(Tipo);
```

```
alter table vuelos
add constraint pk_vuelos primary key(Numvuelo),
add constraint fk_vuelos foreign key(TipoAvion)
references aviones(Tipo)
on update cascade,
modify HoraSalida time;
```

```
alter table reservas
add constraint pk_reservas primary key(Numvuelo, FechaSalida),
add constraint fk_reservas foreign key(NumVuelo)
references vuelos(NumVuelo) on update cascade,
modify FechaSalida date;
```

```
mysql> alter table aviones add constraint pk_aviones primary key(Tipo);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
mysql> alter table vuelos
-> add constraint pk_vuelos primary key(Numvuelo),
-> add constraint fk_vuelos foreign key(TipoAvion)
-> references aviones(Tipo)
-> on update cascade,
-> modify HoraSalida time;
Query OK, 15 rows affected (0.07 sec)
Records: 15 Duplicates: 0 Warnings: 0

mysql>
mysql>
mysql> alter table reservas
-> add constraint pk_reservas primary key(Numvuelo, FechaSalida),
-> add constraint fk_reservas foreign key(NumVuelo)
-> references vuelos(NumVuelo) on update cascade,
-> modify FechaSalida date;
Query OK, 15 rows affected (0.05 sec)
Records: 15 Duplicates: 0 Warnings: 0
```

```
mysql> describe aviones;
```

Field	Type	Null	Key	Default	Extra
Tipo	varchar(3)	NO	PRI	NULL	
Nombre	varchar(80)	YES		NULL	
Capacidad	int	YES		0	
Longitud	decimal(10,2)	YES		0.00	
Envergadura	decimal(10,2)	YES		0.00	
Velocidad	decimal(10,2)	YES		0.00	
FechaConstruccion	date	NO		curdate()	DEFAULT_GENERATED

7 rows in set (0.00 sec)

```
mysql> describe reservas;
```

Field	Type	Null	Key	Default	Extra
NumVuelo	varchar(6)	NO	PRI	NULL	
FechaSalida	date	NO	PRI	NULL	
PlazasLibres	int	YES		0	

3 rows in set (0.00 sec)

```
mysql> describe vuelos;
```

Field	Type	Null	Key	Default	Extra
NumVuelo	varchar(6)	NO	PRI	NULL	
Origen	varchar(50)	YES		NULL	
Destino	varchar(50)	YES		NULL	
HoraSalida	time	YES		NULL	
TipoAvion	varchar(3)	YES	MUL	NULL	

4.

```
update aviones set FechaConstruccion = '1985-12-15'
where Tipo = '320';
update aviones set FechaConstruccion = '1992-10-15'
where Tipo = '72S';
update aviones set FechaConstruccion = '1985-01-10'
where Tipo = '737';
update aviones set FechaConstruccion = '1979-05-12'
where Tipo = '73S';
update aviones set FechaConstruccion = '2001-09-11'
where Tipo = 'D9S';
```

```
mysql> update aviones set FechaConstruccion = '1985-12-15' where Tipo = '320';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update aviones set FechaConstruccion = '1992-10-15' where Tipo = '72S';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update aviones set FechaConstruccion = '1985-01-10' where Tipo = '737';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update aviones set FechaConstruccion = '1979-05-12' where Tipo = '73S';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update aviones set FechaConstruccion = '2001-09-11' where Tipo = 'D9S';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from aviones;
```

Tipo	Nombre	Capacidad	Longitud	Envergadura	Velocidad	FechaConstruccion
320	B-320 Boeing	187	42.15	32.60	853.00	1985-12-15
72S	Super Boeing Stratojet	160	36.20	25.20	820.00	1992-10-15
737	Boeing 737	172	38.90	29.00	793.00	1985-01-10
73S	Super Jumbo 73	185	44.10	30.35	815.00	1979-05-12
D9S	Disco Superstar	110	35.30	28.50	815.00	2001-09-11

5.

insert into aviones values ('340', 'AirBus 340', 250, 59.4, 60.3, 871, '1992-12-22');

```
mysql> insert into aviones values ('340', 'AirBus 340', 250, 59.4, 60.3, 871, '1992-12-22');
Query OK, 1 row affected (0.01 sec)

mysql> select * from aviones;
```

Tipo	Nombre	Capacidad	Longitud	Envergadura	Velocidad	FechaConstruccion
320	B-320 Boeing	187	42.15	32.60	853.00	1985-12-15
340	AirBus 340	250	59.40	60.30	871.00	1992-12-22
725	Super Boeing Stratojet	160	36.20	25.20	820.00	1992-10-15
737	Boeing 737	172	38.90	29.00	793.00	1985-01-10
735	Super Jumbo 73	185	44.10	30.35	815.00	1979-05-12
D95	Div 9 SuperStar	110	35.30	28.50	815.00	2001-09-11

6.

select distinct origen as Ciudades from vuelos
union
select distinct destino from vuelos
order by 1 desc;

```
mysql> select distinct origen as Ciudades from vuelos
-> union
-> select distinct destino from vuelos
-> order by 1 desc;
```

Ciudades
Tenerife
Sevilla
Roma
Paris
Malaga
Madrid
Londres
Francfort
Dublin
Copenhague
Bilbao
Barcelona

7.

select * from vuelos
where destino = 'Londres' and origen != 'Madrid';

```
mysql> select * from vuelos
-> where destino = 'Londres' and origen != 'Madrid';
```

NumVuelo	Origen	Destino	HoraSalida	TipoAvion
IB610	Malaga	Londres	15:05:00	735

8.

select * from aviones
where Nombre like '%Boeing%';

```
mysql> select * from aviones
-> where Nombre like '%Boeing%';
```

Tipo	Nombre	Capacidad	Longitud	Envergadura	Velocidad	FechaConstruccion
320	B-320 Boeing	187	42.15	32.60	853.00	1985-12-15
725	Super Boeing Stratojet	160	36.20	25.20	820.00	1992-10-15
737	Boeing 737	172	38.90	29.00	793.00	1985-01-10

9.

select * from vuelos where destino = 'Madrid'
and origen = 'Sevilla'
union select * from vuelos where destino =
'Sevilla' and origen = 'Madrid';

```
mysql> select * from vuelos where destino = 'Madrid' and origen = 'Sevilla'
-> union select * from vuelos where destino = 'Sevilla' and origen = 'Madrid';
```

NumVuelo	Origen	Destino	HoraSalida	TipoAvion
IB318	Sevilla	Madrid	10:45:00	725
IB510	Sevilla	Madrid	07:45:00	725
IB327	Madrid	Sevilla	18:05:00	725

10.

select Tipo, Nombre, Capacidad, Longitud,
Envergadura, Velocidad,
FechaConstruccion, (year(curdate())-
year(FechaConstruccion)) as Antigüedad
from aviones
where year(curdate())-year(FechaConstruccion) > 10;

```
mysql> select Tipo, Nombre, Capacidad, Longitud, Envergadura, Velocidad,
-> FechaConstruccion, (year(curdate())-year(FechaConstruccion)) as Antigüedad
-> from aviones
-> where year(curdate())-year(FechaConstruccion) > 10;
```

Tipo	Nombre	Capacidad	Longitud	Envergadura	Velocidad	FechaConstruccion	Antigüedad
320	B-320 Boeing	187	42.15	32.60	853.00	1985-12-15	39
340	AirBus 340	250	59.40	60.30	871.00	1992-12-22	32
725	Super Boeing Stratojet	160	36.20	25.20	820.00	1992-10-15	32
737	Boeing 737	172	38.90	29.00	793.00	1985-01-10	39
735	Super Jumbo 73	185	44.10	30.35	815.00	1979-05-12	45
D95	Div 9 SuperStar	110	35.30	28.50	815.00	2001-09-11	23

11.

select sum(PlazasLibres) as "Total plazas libres"
from reservas where NumVuelo like "IB%";

```
mysql> select sum(PlazasLibres) as "Total plazas libres"
-> from reservas where NumVuelo like "IB%";
```

Total plazas libres
599

12.

```
select Origen, count(Origen)
from vuelos group by Origen;
```

```
mysql> select Origen, count(Origen)
-> from vuelos group by Origen;
+-----+-----+
| Origen | count(Origen) |
+-----+-----+
| Bilbao | 1 |
| Madrid | 6 |
| Sevilla | 2 |
| Malaga | 2 |
| Dublin | 1 |
| Barcelona | 2 |
| Copenhagen | 1 |
+-----+-----+
```

13.

```
select count(NumVuelo) as 'Vuelos a Barcelona'
from vuelos where Destino = 'Barcelona';
```

```
mysql> select count(NumVuelo) as 'Vuelos a Barcelona'
-> from vuelos where Destino = 'Barcelona';
+-----+-----+
| Vuelos a Barcelona |
+-----+-----+
| 4 |
+-----+-----+
```

14.

```
insert into vuelos values ('NT440', 'Tenerife',
'Lanzarote', '14:00:00', 'D9S');
select * from vuelos where destino = 'Lanzarote';
update vuelos set Destino = 'Gran Canaria' where
Destino = 'Lanzarote';
select * from vuelos where destino = 'Gran Canaria';
```

```
mysql> insert into vuelos values ('NT440', 'Tenerife', 'Lanzarote', '14:00:00', 'D9S');
Query OK, 1 row affected (0.01 sec)

mysql> select * from vuelos where destino = 'Lanzarote';
+-----+-----+-----+-----+-----+
| NumVuelo | Origen | Destino | HoraSalida | TipoAvion |
+-----+-----+-----+-----+-----+
| NT440 | Tenerife | Lanzarote | 14:00:00 | D9S |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> update vuelos set Destino = 'Gran Canaria' where Destino = 'Lanzarote';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from vuelos where destino = 'Gran Canaria';
+-----+-----+-----+-----+-----+
| NumVuelo | Origen | Destino | HoraSalida | TipoAvion |
+-----+-----+-----+-----+-----+
| NT440 | Tenerife | Gran Canaria | 14:00:00 | D9S |
+-----+-----+-----+-----+-----+
```

15.

```
select Origen, min(HoraSalida) as 'Primer vuelo de Madrid'
from vuelos where Origen = 'Madrid';
```

```
mysql> select Origen, min(HoraSalida) as 'Primer vuelo de Madrid'
-> from vuelos where Origen = 'Madrid';
+-----+-----+
| Origen | Primer vuelo de Madrid |
+-----+-----+
| Madrid | 06:45:00 |
+-----+-----+
```

16.

```
select * from vuelos
where origen = 'Madrid' and
destino = 'Barcelona' or destino = 'Sevilla';
```

```
mysql> select * from vuelos
-> where origen = 'Madrid' and
-> (destino = 'Barcelona' or destino = 'Sevilla');
+-----+-----+-----+-----+-----+
| NumVuelo | Origen | Destino | HoraSalida | TipoAvion |
+-----+-----+-----+-----+-----+
| IB0640 | Madrid | Barcelona | 06:45:00 | 320 |
| IB327 | Madrid | Sevilla | 18:05:00 | 725 |
| IB3742 | Madrid | Barcelona | 09:15:00 | 725 |
+-----+-----+-----+-----+-----+
```

17.

```
select * from vuelos
where origen = 'Madrid' and NumVuelo like "IB%";
```

```
mysql> select * from vuelos
-> where origen = 'Madrid'
-> and NumVuelo like "IB%";
+-----+-----+-----+-----+-----+
| NumVuelo | Origen | Destino | HoraSalida | TipoAvion |
+-----+-----+-----+-----+-----+
| IB023 | Madrid | Tenerife | 21:20:00 | 725 |
| IB0640 | Madrid | Barcelona | 06:45:00 | 320 |
| IB327 | Madrid | Sevilla | 18:05:00 | 725 |
| IB3742 | Madrid | Barcelona | 09:15:00 | 725 |
| IB600 | Madrid | Londres | 10:30:00 | 320 |
+-----+-----+-----+-----+-----+
```

18.

```
select * from vuelos
where origen != 'Madrid'
and destino != 'Madrid';
```

```
mysql> select * from vuelos
-> where origen != 'Madrid'
-> and destino != 'Madrid';
+-----+-----+-----+-----+-----+
| NumVuelo | Origen | Destino | HoraSalida | TipoAvion |
+-----+-----+-----+-----+-----+
| AF577 | Bilbao | Paris | 10:10:00 | 737 |
| IB368 | Malaga | Barcelona | 22:25:00 | D9S |
| IB3709 | Dublin | Barcelona | 14:35:00 | D9S |
| IB610 | Malaga | Londres | 15:05:00 | 735 |
| IB721 | Barcelona | Sevilla | 16:40:00 | 725 |
| IB778 | Barcelona | Roma | 09:45:00 | 725 |
| LH1349 | Copenhagen | Frankfurt | 10:20:00 | 320 |
| NT440 | Tenerife | Gran Canaria | 14:00:00 | D9S |
+-----+-----+-----+-----+-----+
```

19.

```
select sum(PlazasLibres)
from vuelos, reservas
where vuelos.NumVuelo = reservas.NumVuelo
and (destino = 'Londres' or destino = 'Barcelona');
```

```
mysql> select sum(PlazasLibres)
-> from vuelos, reservas
-> where vuelos.NumVuelo = reservas.NumVuelo
-> and (destino = 'Londres' or destino = 'Barcelona');
+-----+
| sum(PlazasLibres) |
+-----+
| 669 |
+-----+
```

20.

```
select count(NumVuelo)
from vuelos;
```

```
mysql> select count(NumVuelo)
-> from vuelos;
+-----+
| count(NumVuelo) |
+-----+
| 16 |
+-----+
```

21.

```
select V.NumVuelo, PlazasLibres, HoraSalida, (Capacidad - PlazasLibres) as 'Plazas ocupadas'
from vuelos as V, reservas as R, aviones as A
where V.NumVuelo = R.NumVuelo and V.TipoAvion = A.Tipo
and Origen = 'Madrid' and Destino = 'Londres' and FechaSalida = '2006-02-20';
```

```
mysql> select V.NumVuelo, PlazasLibres, HoraSalida, (Capacidad - PlazasLibres) as 'Plazas ocupadas'
-> from vuelos as V, reservas as R, aviones as A
-> where V.NumVuelo = R.NumVuelo and V.TipoAvion = A.Tipo
-> and Origen = 'Madrid' and Destino = 'Londres' and FechaSalida = '2006-02-20';
```

NumVuelo	PlazasLibres	HoraSalida	Plazas ocupadas
BA467	32	20:40:00	153
IB600	46	10:30:00	141