

1. Crear la base de datos

The screenshot shows the SQL Server Enterprise Manager on the left, with the 'Ventas' database highlighted under the 'Bases de datos' folder. On the right, the SQL Query window displays the following T-SQL code to create the database:

```
CREATE DATABASE Ventas
ON
-- Archivo principal
PRIMARY (
    NAME = Ventas_root,
    FILENAME = 'C:\basedatos\Ventas_root.mdf',
    SIZE = 10MB,
    MAXSIZE = 50MB,
    FILEGROWTH = 15%
),
-- Grupo de archivos de clientes
FILEGROUP grupo_clientes
(
    NAME = cliente_data1,
    FILENAME = 'C:\basedatos\cliente_data1.ndf',
    SIZE = 10MB,
    MAXSIZE = 50MB,
    FILEGROWTH = 15%
),
(
    -- ... (other filegroups) ...
)
```

2. Verificar la base de datos

The screenshot shows the SQL Query window with the command `EXEC sp_helpdb Ventas;` executed. The results are displayed in two tables.

Table 1: Database Overview

name	db_size	owner	dbid	created	status
Ventas	65.00 MB	win7-clases\usuario	10	Ene 30 2025	Status=ONLINE, Updateability=READ_WRITE

Table 2: Filegroup Details

name	fileid	filename	filegroup	size	maxsize	growth
Ventas_root	1	C:\basedatos\Ventas_root.mdf	PRIMARY	10240 KB	51200 KB	15%
log_data1	2	C:\basedatos\Vog_data1.ldf	NULL	5120 KB	25600 KB	5120
cliente_data1	3	C:\basedatos\cliente_data1.ndf	grupo_clientes	10240 KB	51200 KB	15%
cliente_data2	4	C:\basedatos\cliente_data2.ndf	grupo_clientes	10240 KB	51200 KB	15%
cliente_data3	5	C:\basedatos\cliente_data3.ndf	grupo_clientes	10240 KB	51200 KB	15%
producto_data1	6	C:\basedatos\producto_data1.ndf	grupo_productos	10240 KB	10240 KB	0 KB
producto_data2	7	C:\basedatos\producto_data2.ndf	grupo_productos	10240 KB	10240 KB	0 KB

3. Lista de todas las bases de datos

The screenshot shows the SQL Query window with the command `EXEC sp_databases;` executed. The results are displayed in a table listing all databases on the server.

	DATABASE_NAME	DATABASE_SIZE	REMARKS
1	BDCreareDB2	5120	NULL
2	BDCreareDB3	28672	NULL
3	Empresa_Clase	5824	NULL
4	master	5376	NULL
5	model	3072	NULL
6	msdb	18240	NULL
7	Products2	2880	NULL
8	tempdb	8704	NULL
9	Ventas	66560	NULL
10	VIDEOJUEGOS	89088	NULL

4. Lista de las bases de datos de usuario

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Explorador de objetos' (Object Explorer) displays the server 'WIN7-CLASES (SQL Server 10.50.1600 - win7)'. The 'Bases de datos' (Databases) folder is expanded, showing various databases including 'Empresa_Clase', 'VIDEOJUEGOS', 'BDCreateDB2', 'BDCreateDB3', 'Products2', 'Ventas', 'Seguridad', 'Objetos de servidor', and 'Replicación'. On the right, the 'SQLQuery1.sql - WL...ses\usuario (52))' window contains the following SQL query:

```
SELECT name AS NombreBaseDatos
FROM sys.databases
WHERE database_id > 4;
```

The 'Resultados' (Results) tab shows the output of the query:

	NombreBaseDatos
1	Empresa_Clase
2	VIDEOJUEGOS
3	BDCreateDB2
4	Products2
5	BDCreateDB3
6	Ventas

5. Visualización de los grupos de archivos

a)

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Explorador de objetos' (Object Explorer) displays the server 'WIN7-CLASES (SQL Server 10.50.1600 - win7)'. The 'Bases de datos' (Databases) folder is expanded, showing various databases including 'Empresa_Clase', 'VIDEOJUEGOS', 'BDCreateDB2', 'BDCreateDB3', 'Products2', 'Ventas', 'Seguridad', 'Objetos de servidor', and 'Replicación'. On the right, the 'SQLQuery1.sql - WL...ses\usuario (52))' window contains the following SQL query:

```
SELECT name, type_desc
FROM sys.filegroups;
```

The 'Resultados' (Results) tab shows the output of the query:

	name	type_desc
1	PRIMARY	ROWS_FILEGROUP

b)

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Explorador de objetos' (Object Explorer) displays the server 'WIN7-CLASES (SQL Server 10.50.1600 - win7)'. The 'Bases de datos' (Databases) folder is expanded, showing various databases including 'Empresa_Clase', 'VIDEOJUEGOS', 'BDCreateDB2', 'BDCreateDB3', 'Products2', 'Ventas', 'Seguridad', 'Objetos de servidor', and 'Replicación'. On the right, the 'SQLQuery1.sql - WL...ses\usuario (52))' window contains the following SQL query:

```
SELECT name, physical_name, size, max_size, growth, type_desc
FROM sys.database_files;
```

The 'Resultados' (Results) tab shows the output of the query:

	name	physical_name	size	max_size	growth	type_desc
1	master	C:\Program Files\Microsoft SQL Server\MSSQL10_50....	512	-1	10	ROWS
2	mastlog	C:\Program Files\Microsoft SQL Server\MSSQL10_50....	160	-1	10	LOG

6. Información de la base de datos

a)

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Explorador de objetos' (Object Explorer) displays the server 'WIN7-CLASES (SQL Server 10.50.1600 - win7)'. The 'Bases de datos' (Databases) folder is expanded, showing various databases including 'Empresa_Clase', 'VIDEOJUEGOS', 'BDCreateDB2', 'BDCreateDB3', 'Products2', 'Ventas', 'Seguridad', 'Objetos de servidor', and 'Replicación'. On the right, the 'SQLQuery1.sql - WL...ses\usuario (52))' window contains the following SQL query:

```
SELECT name, database_id, state_desc, recovery_model_desc
FROM sys.databases
WHERE name = 'Ventas';
```

The 'Resultados' (Results) tab shows the output of the query:

	name	database_id	state_desc	recovery_model_desc
1	Ventas	10	ONLINE	FULL

b)

Explorador de objetos

Conectar

WIN7-CLASES (SQL Server 10.50.1600 - win7)

- Bases de datos
 - Bases de datos del sistema
 - Instantáneas de bases de datos
 - BDCreateDB2
 - BDCreateDB3
 - Empresa_Clase
 - Products2
 - Ventas
 - VIDEOJUEGOS
- Seguridad
- Objetos de servidor
- Replicación
- Administración
- Agente SQL Server (Agent XPs deshabili

SQLQuery1.sql - WL...ses\usuario (52))*

```
EXEC sp_helpdb Ventas;
```

Resultados Mensajes

	name	db_size	owner	dbid	created	status
1	Ventas	65.00 MB	win7-clases\usuario	10	Ene 30 2025	Status=ONLINE, Updateability=READ_WR

	name	fileid	filename	filegroup	size	maxsize	growt
1	Ventas_root	1	C:\basedatos\Ventas_root.mdf	PRIMARY	10240 KB	51200 KB	15%
2	log_data1	2	C:\basedatos\log_data1.ldf	NULL	5120 KB	25600 KB	5120
3	cliente_data1	3	C:\basedatos\cliente_data1.ndf	grupo_clientes	10240 KB	51200 KB	15%
4	cliente_data2	4	C:\basedatos\cliente_data2.ndf	grupo_clientes	10240 KB	51200 KB	15%
5	cliente_data3	5	C:\basedatos\cliente_data3.ndf	grupo_clientes	10240 KB	51200 KB	15%
6	producto_data1	6	C:\basedatos\producto_data1.ndf	grupo_productos	10240 KB	10240 KB	0 KB
7	producto_data2	7	C:\basedatos\producto_data2.ndf	grupo_productos	10240 KB	10240 KB	0 KB