

Subida de Base de Datos

The screenshot shows the pgAdmin interface. On the left, there's a tree view with a node for 'db' containing 'postgres:16' and '5432-5432'. On the right, a large text area displays the initialization logs for the database cluster:

```
The files belonging to this database system will be owned by user "postgres".  
This user must also own the server process.  
  
The database cluster will be initialized with locale "en_US.utf8".  
The default database encoding has accordingly been set to "UTF8".  
The default text search configuration will be set to "english".  
  
Data page checksums are disabled.  
  
fixing permissions on existing directory /var/lib/postgresql/data ... ok  
creating subdirectories ... ok  
selecting dynamic shared memory implementation ... posix  
selecting default max_connections ... 100  
selecting default shared_buffers ... 128MB  
selecting default time zone ... Etc/UTC  
creating configuration files ... ok  
running bootstrap script ... ok  
performing post-bootstrap initialization ... ok  
syncing data to disk ... ok  
  
Success. You can now start the database server using:
```

Datos Ingresados:

The screenshot shows the IntelliJ IDEA interface. On the left, the 'EXPLORER' tool window displays the project structure with files like '01_schema.sql', '02_seed.sql', and various Java source files under 'src/main/java/com/andefin/andesfin.ms'. The main code editor window shows the contents of '01_schema.sql':

```
CREATE EXTENSION IF NOT EXISTS "uuid-ossp";  
  
CREATE TABLE usuarios (  
    id UUID PRIMARY KEY DEFAULT uuid_generate_v4(),  
    nombre VARCHAR(120) NOT NULL,  
    email VARCHAR(160) NOT NULL UNIQUE,  
    capital_disponible DECIMAL(10,2) NOT NULL DEFAULT 0  
);  
  
CREATE TABLE productos_financieros (  
    id UUID PRIMARY KEY DEFAULT uuid_generate_v4(),  
    nombre VARCHAR(120) NOT NULL,  
    descripcion TEXT,  
    costo DECIMAL(10,2) NOT NULL,  
    porcentaje_retorno DECIMAL(5,2) NOT NULL,  
    activo BOOLEAN NOT NULL DEFAULT true  
);  
  
CREATE TABLE simulaciones (  
    id UUID PRIMARY KEY DEFAULT uuid_generate_v4(),  
    usuario_id UUID NOT NULL REFERENCES usuarios(id),  
    fecha_simulacion TIMESTAMP NOT NULL DEFAULT NOW(),  
    capital_disponible DECIMAL(10,2) NOT NULL,  
    costo_total DECIMAL(10,2) NOT NULL DEFAULT 0,  
    capital_restante DECIMAL(10,2) NOT NULL DEFAULT 0,  
    ganancia_total DECIMAL(10,2) NOT NULL DEFAULT 0,  
    retorno_total_porcentaje DECIMAL(10,2) NOT NULL DEFAULT 0  
);  
  
CREATE TABLE simulacion_detalle (  
    id UUID PRIMARY KEY DEFAULT uuid_generate_v4(),  
    simulacion_id UUID NOT NULL REFERENCES simulaciones(id) ON DELETE CASCADE,
```

Cumplimiento con la Información de Datos subida:

```

[+] up 17/17tgres:16 [====] 83.17MB / 165.8MB Pulling      717.7s
[+] up 19/192-02T19:59:27-05:00" level=warning msg="No services to build"718.1s
✓ Image postgres:16          Pulled                      718.1s
✓ 770bfe405d90              Download complete             1.8s
✓ e3a93a48af49              Pull complete                627.3s
✓ c56f2098d81b              Pull complete                493.3s
✓ 2c60e8d26a28              Pull complete                632.7s
✓ b0e2b008abd1              Pull complete                417.2s
✓ 749a66f683f6              Pull complete                406.4s
✓ 7217575ed52c              Pull complete                448.8s
✓ 070510219061              Pull complete                674.7s
✓ 119d43eec815              Pull complete                670.3s
✓ 6e117204916b              Pull complete                326.6s
✓ 566364257f63              Pull complete                307.6s
✓ 56f952a300d5              Pull complete                612.2s
✓ 1df764af9d29              Pull complete                422.6s
✓ e893053483fe              Pull complete                461.4s
✓ cdd02f27cbd2              Pull complete                349.6s
✓ 63abd1723007              Download complete            139.8s
✓ Network andesfin-ms_default Created                  6.4s
✓ Container andesfin_db       Created                  4.7s

```

Arranque del Programa:

```

[INFO] -----
[INFO] -----< com.andefin:andesfin-ms >-----
[INFO] Building andesfin-ms 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] >>> spring-boot:4.0.2:run (default-cli) > test-compile @ andesfin-ms >>>
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ andesfin-ms ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- compiler:3.14.1:compile (default-compile) @ andesfin-ms ---
[INFO] Recompiling the module because of changed source code.
[INFO] Compiling 16 source files with javac [debug parameters release 21] to target\classes
[INFO] -----

```