

# Data Migration

- Migrate Data from Oracle 12c to 18c XE

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## Docker Compose

```
services:
  oracle-db-18c:
    image: gvenzl/oracle-xe:18.4.0-full
    ports:
      - "1523:1521" # Oracle Database listener port
      - "5503:5500" # Oracle Enterprise Manager Express port
    environment:
      - ORACLE_PASSWORD=oracle # Set initial SYS and SYSTEM password
    volumes:
      - oracle-data-18c:/opt/oracle/oradata # Persist Oracle XE database files
      - oracle-dump-18c:/opt/oracle/admin/XE/dpdump # Persist Oracle XE dump files
    networks:
      - app-network-18c

volumes:
  oracle-data-18c:
  oracle-dump-18c:

networks:
  app-network-18c:
    driver: bridge
```

## Create Table Space

```
CREATE BIGFILE TABLESPACE JTCCM
DATAFILE
```

```
'DB01' SIZE 104857600 REUSE AUTOEXTEND ON NEXT 104857600 MAXSIZE UNLIMITED  
BLOCKSIZE 8192  
ONLINE  
SEGMENT SPACE MANAGEMENT AUTO  
EXTENT MANAGEMENT LOCAL AUTOALLOCATE;
```

## Create User

```
ALTER SESSION SET CONTAINER=XEPDB1;  
CREATE USER DB01 IDENTIFIED BY DB01 QUOTA UNLIMITED ON DB01;  
GRANT CONNECT, RESOURCE TO DB01;
```

## Copy Dump File to Container

```
docker cp BACKUP_ISO_xe11g.DMP 776c1be28c4d:/u01/app/oracle/admin/XE/dpdump/
```

## Import Dump File

```
impdp system/oracle@localhost:1523/XEPDB1 dumpfile=BACKUP.DMP logfile=BACKUP.LOG  
REMAP_SCHEMA=DB_SRC:DB_DST
```