



IBM Software Group

DB2 Express-C 9 overview course

Data Movement Utilities

DB2 Information Management Software

ON DEMAND BUSINESS™

Data Movement Tools

- EXPORT, IMPORT, LOAD
 - ▶ IXF, DEL, ASC
- db2move
 - Easily export/import/load/copy set of tables & data (IXF)
- db2look
 - Extracts:
 - ▶ DDL
 - ▶ permissions
 - ▶ database statistics
 - ▶ Tablespace characteristics



EXPORT

- Export data based on SQL Statement

```
EXPORT TO employee.ixf OF IXF  
SELECT * FROM employee  
FETCH FIRST 10 ROWS ONLY
```



IMPORT

- High-speed SQL INSERT
 - ▶ Activates triggers
 - ▶ All Constraints enforced immediately
 - ▶ Uses BUFFERPOOL

```
IMPORT FROM employee.ixf OF IXF  
REPLACE_CREATE  
INTO employee_copy
```



LOAD

- Very High Speed, low level data loader
 - ▶ separate LOAD, BUILD, DELETE phases
- Uses utility heap (UTIL_HEAP_SZ)
- Does NOT use bufferpool and does NOT activate triggers
- Constraints enforced as separate step, may define **EXCEPTION** tables
- online LOAD supported

```
LOAD FROM employee.ixf OF IXF
      REPLACE INTO employee_copy

SET INTEGRITY FOR employee_copy
      ALL IMMEDIATE UNCHECKED
```



db2move sample export

db2look

- Extract DDL, tablespace info, and statistics to script
- Too many options to describe, see `db2look -h` for details
- Example:

```
db2look -d sample -l -e -o sample.ddl
```

database name

layout
(tablespaces
& bufferpools)

extract DDL

output file

EXPORT, IMPORT, LOAD, db2look from the Control Center

DEMO

