SQL Loader Lab

# Chuẩn bị dữ liệu

* Data file:

$vi empxt1.dat

360,Jane,Janus,ST\_CLERK,121,17-MAY-2001,3000,0,50,jjanus

361,Mark,Jasper,SA\_REP,145,17-MAY-2001,8000,.1,80,mjasper

362,Brenda,Starr,AD\_ASST,200,17-MAY-2001,5500,0,10,bstarr

363,Alex,Alda,AC\_MGR,145,17-MAY-2001,9000,.15,80,aalda

$vi empxt2.dat

401,Jesse,Cromwell,HR\_REP,203,17-MAY-2001,7000,0,40,jcromwel

402,Abby,Applegate,IT\_PROG,103,17-MAY-2001,9000,.2,60,aapplega

403,Carol,Cousins,AD\_VP,100,17-MAY-2001,27000,.3,90,ccousins

404,John,Richardson,AC\_ACCOUNT,205,17-MAY-2001,5000,0,110,jrichard

# Thực hiện

CONNECT / AS SYSDBA;

-- Set up directories and grant access to hr

CREATE OR REPLACE DIRECTORY admin\_dat\_dir AS '/flatfiles/data';

CREATE OR REPLACE DIRECTORY admin\_log\_dir AS '/flatfiles/log';

CREATE OR REPLACE DIRECTORY admin\_bad\_dir AS '/flatfiles/bad';

GRANT READ ON DIRECTORY admin\_dat\_dir TO hr;

GRANT WRITE ON DIRECTORY admin\_log\_dir TO hr;

GRANT WRITE ON DIRECTORY admin\_bad\_dir TO hr;

CONNECT hr

-- create the external table

CREATE TABLE admin\_ext\_employees

(employee\_id NUMBER(4),

first\_name VARCHAR2(20),

last\_name VARCHAR2(25),

job\_id VARCHAR2(10),

manager\_id NUMBER(4),

hire\_date DATE,

salary NUMBER(8,2),

commission\_pct NUMBER(2,2),

department\_id NUMBER(4),

email VARCHAR2(25)

)

ORGANIZATION EXTERNAL

(

TYPE ORACLE\_LOADER

DEFAULT DIRECTORY admin\_dat\_dir

ACCESS PARAMETERS

(

records delimited by newline

badfile admin\_bad\_dir:'empxt%a\_%p.bad'

logfile admin\_log\_dir:'empxt%a\_%p.log'

fields terminated by ','

missing field values are null

( employee\_id, first\_name, last\_name, job\_id, manager\_id,

hire\_date char date\_format date mask "dd-mon-yyyy",

salary, commission\_pct, department\_id, email

)

)

LOCATION ('empxt1.dat', 'empxt2.dat')

)

PARALLEL

REJECT LIMIT UNLIMITED;

-- enable parallel for loading (good if lots of data to load)

ALTER SESSION ENABLE PARALLEL DML;

-- load the data in hr employees table

INSERT INTO employees (employee\_id, first\_name, last\_name, job\_id, manager\_id,

hire\_date, salary, commission\_pct, department\_id, email)

SELECT \* FROM admin\_ext\_employees;