Oracle Data Pump Import (impdp)

Summary: In this lab, you will learn how to use the Oracle Data Pump Import to load an export dump file set into a target Oracle Database system.

Oracle Data Pump Import tool

The Data Pump Import program is a tool that allows you to load an export **dump file set** into a target Oracle database system. The Data Pump Import utility comes with the Oracle Installation by default.

The dump file set consists of one or more disk files that store table data, database object metadata, and control information. The dump file set is created by running the [Data Pump Export] tool.

Note that the Data Pump Import is a replacement of the legacy Import tool called `imp` starting from Oracle 10g. Oracle recommends the Data Pump Import tool because it is more flexible and can be 15 times faster than the legacy tool in terms of performance.

How to run the Data Pump Import tool

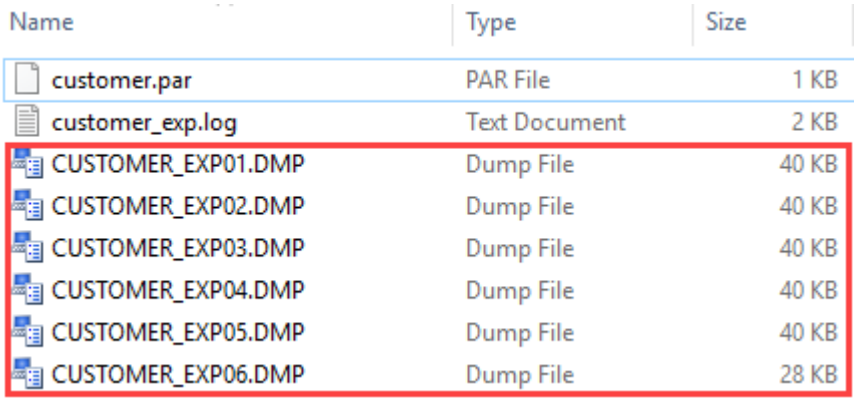
To invoke the Data Pump Import tool, you use the following command:

```
impdp
```

The behavior of the tool depends on the import parameters that you specify, either on the command line or in a parameter file.

Oracle Data Pump Import tool example

We will load the dump file set exported in the `Data Pump Export lab` for the demonstration.



First, create a parameter file named `customer_imp.par` with the following contents and place it in the `c:\export` folder:

```
userid=ot@fenagodb1/Abcd1234
directory=ot_external
dumpfile=customer_exp%U.dmp
logfile=customer_imp.log
remap_table=ot.customers:customers_bk
```

In this parameter file, the `remap_table` option renames the `customers` table to `customers_bk` table.

Then, use the `impdp` command to invoke the Data Pump Import tool with the parameter file `customer_imp.par`:

```
impdp parfile=customer_imp.par
```

Finally, verify the contents of the `customers_bk` table:

```
SELECT * FROM customers;
```

Here is the partial output:

CUSTOMER_ID	NAME	ADDRESS	WEBSITE	CREDIT_LIMIT
1	Raytheon	514 W Superior St, Kokomo, IN	http://www.raytheon.com	100
2	Plains GP Holdings	2515 Bloyd Ave, Indianapolis, IN	http://www.plainsallamerica...	100
3	US Foods Holding	8768 N State Rd 37, Bloomington, IN	http://www.usfoods.com	100
4	AbbVie	6445 Bay Harbor Ln, Indianapolis, IN	http://www.abbvie.com	100
5	Centene	4019 W 3Rd St, Bloomington, IN	http://www.centene.com	100
6	Community Health Systems	1608 Portage Ave, South Bend, IN	http://www.chs.net	100
7	Alcoa	23943 Us Highway 33, Elkhart, IN	http://www.alcoa.com	100
8	International Paper	136 E Market St # 800, Indianapolis, IN	http://www.internationalpap...	100
9	Emerson Electric	1905 College St, South Bend, IN	http://www.emerson.com	100
10	Union Pacific	3512 Rockville Rd # 137C, Indianapolis, IN	http://www.up.com	200
11	Amgen	1303 E University St, Bloomington, IN	http://www.amgen.com	200
12	U.S. Bancorp	115 N Weinbach Ave, Evansville, IN	http://www.usbank.com	200

In this lab, you have learned how to use the Oracle Data Pump Import tool to load an export dump file set into an Oracle Database system.