

Significance of Overflow option?

by Sudheer Sharma - Thursday, February 12, 2009

<http://dwhnotes.com/data-integrator/overflow>

What do you think of this post?

[Awesome \(1\)](#) [Interesting \(0\)](#) [Useful \(2\)](#)

“Overflow” is an option used for error handling.

You cannot expect quality(valid) data everytime, sometimes we might get bad rows also, hence an error would occur while loading the data. To handle such kind of rows “Use overflow file” is the best option.

EX:- Suppose you have a unique constraint on target table, you need to load only distinct records, but your’e getting duplicate records from source, you want to reject these duplicate records into a file.

Now, you can capture those errors by selectng **“Use overflow file”** in **target table options tab**. Errors will be logged or written to a file in a specified location.

For File name, you can specify like this,

Filename : C:\Reject_records.txt

There are two options avialbe in File Format **Write_data** and **Write_sql**

- If you select **write_data**, data will be written in normal format along with the error number & opcode
- If you select **write_sql**, data will be written as SQL insert statements in your specified location

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Target Options Bulk Loader Options Load Triggers Pre-Load Commands Post-Load Commands

Rows per commit: 1000

Column comparison: Compare by name

Delete data from table before loading

Update control

Ignore columns with value: []

Ignore columns with null

Use input keys

Update key columns

Auto correct load

Number of loaders: 1

Error handling

Use overflow file

File name: C:\Reject_records.txt

File format: Write sql

Transaction control

Include in transaction

Transaction order: []

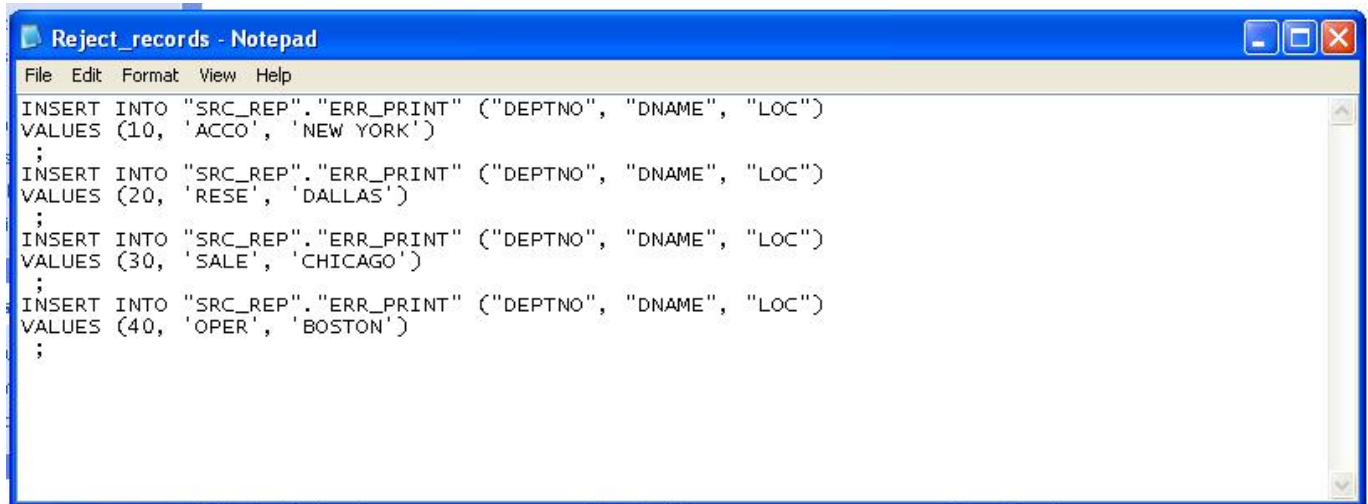
Commit at the end of INSERT...SELECT

ERR_PRINT(target_ds.SRC_REP) - Target Table Editor

The beauty of this option is, job doesn't terminate amidst execution when an error occurs. Error will be handled by this option and all the bad rows were captured and logged into a file. Monitor window displays "job execution is completed successfully", and error log displays the error cause & bad rows.

Pid	Tid	Type	Time Stamp	Message
6300	8048	ORA_LIB	2/12/09 3:58:30 PM	Loaded Oracle Client library <OCI.DLL> is in the path: <C:\oracle\ora92\bin\OCI.DLL>.
6300	8048	JOB	2/12/09 3:58:46 PM	Reading job <01a186d5_9824_4abd_b622_81169d9e53df> from the repository; Serve
6300	8048	JOB	2/12/09 3:58:46 PM	<11.5.1.5>.
6300	8048	JOB	2/12/09 3:58:46 PM	Current directory of job <01a186d5_9824_4abd_b622_81169d9e53df> is <D:\Program
6300	8048	JOB	2/12/09 3:58:46 PM	Starting job on Job Server <EXPHPC11>.
6300	8048	JOB	2/12/09 3:58:47 PM	Job <Job_Err> of runid <2009021215584663008048> is initiated by user <SYSTEM>.
6300	8048	JOB	2/12/09 3:58:47 PM	Processing job <Job_Err>.
6300	8048	JOB	2/12/09 3:58:48 PM	Optimizing job <Job_Err>.
6300	8048	JOB	2/12/09 3:58:49 PM	Job <Job_Err> is started.
6372	7380	ORA_LIB	2/12/09 3:58:50 PM	Loaded Oracle Client library <OCI.DLL> is in the path: <C:\oracle\ora92\bin\OCI.DLL>.
6372	7380	DATAFLOW	2/12/09 3:59:07 PM	Process to execute data flow <DF_Print_Err> is started.
6372	7380	DATAFLOW	2/12/09 3:59:07 PM	Data flow <DF_Print_Err> is started.
6372	7380	DATAFLOW	2/12/09 3:59:09 PM	Data flow <DF_Print_Err> is completed successfully.
6372	7380	DATAFLOW	2/12/09 3:59:10 PM	Process to execute data flow <DF_Print_Err> is completed.
6300	8048	JOB	2/12/09 3:59:10 PM	Job <Job_Err> is completed successfully.

you can see rej_rec log also, the bad rows were written into the overflow file.



```
Reject_records - Notepad
File Edit Format View Help
INSERT INTO "SRC_REP"."ERR_PRINT" ("DEPTNO", "DNAME", "LOC")
VALUES (10, 'ACCO', 'NEW YORK')
;
INSERT INTO "SRC_REP"."ERR_PRINT" ("DEPTNO", "DNAME", "LOC")
VALUES (20, 'RESE', 'DALLAS')
;
INSERT INTO "SRC_REP"."ERR_PRINT" ("DEPTNO", "DNAME", "LOC")
VALUES (30, 'SALE', 'CHICAGO')
;
INSERT INTO "SRC_REP"."ERR_PRINT" ("DEPTNO", "DNAME", "LOC")
VALUES (40, 'OPER', 'BOSTON')
;
```

If there is no error then the overflow file will be empty at the specified location

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