

What to know when transfer Oracle data to DB2 with FastReader.

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Note*: The latest copy of this document is available at

http://www.wisdomforce.com/dweb/resources/docs/fastreader_oracle_db2_transfer_migration.pdf

WisdomForce FastReader <http://www.wisdomforce.com/products-FastReader.html> is widely used to effectively transfer large volumes of data from Oracle to DB2 in small fraction of time while not compromising the performance of database.

FastReader can be utilized for migration of for data transfer on the daily basis.

FastReader can extract data using DIRECT PATH or Conventional Path depending on your requirements and needs. Please refer to FastReader User Guide for details in general.

Note: Please refer to WisdomForce DatabaseSync <http://www.wisdomforce.com/products-DatabaseSync.html> when you require performing transactional incremental synchronization or real-time replication between Oracle and DB2.

There are few things to take into account while transferring data from Oracle into DB2 using FastReader:

- 1) DB2 LOAD requires that the line separator be a new line character (\n). If you have this character inside your data you need to do one of the following:
 - a. Use the FastReader option REPLACE_NEWLINE_WITH_SPACE=Y, this will replace all new line characters inside the data to spaces. This does add some overhead during extraction, please use this only if needed.
 - b. Edit the control files for DB2 LOAD and set the option delprioritychar (for example modified by delprioritychar ...). However, by default FastReader does not print nulls into the output file if they occur at the end of the row (NULL COMPRESSION). In this case you will need to disable NULL COMPRESSION in FastReader, in order to load the data correctly (set the option SUPPRESS_TRAILING_NULLCOLS to TRUE)
- 2) DB2 LOAD requires that the “column delimiter” and the “enclosed by” must be a single ASCII character (not multiple characters). You can specify non-printable ASCII character by using the \xFF escape sequence (where FF is the character hex code). The following built-in escaped character are also supported:
`\a -> audible bell, \b -> backspace, \f -> formfeed, \n -> newline, \r -> carriagereturn, \t -> horizontal tab, \v -> vertical tab , \xFF -> any character where FF is the hex code`
- 3) CLOB and BLOB columns can be migrated to DB2. If your BLOB/CLOB columns are smaller than 64kb you may extract them into the main output file (EXPORT_BINARY_TO_SEPARATE_FILES=false). In that case the LOB data must not contain the record/row delimiter characters. If your LOB data is larger than 64kb or if the LOB data contains the chosen delimiter characters you must extract each LOB into a different file (EXPORT_BINARY_TO_SEPARATE_FILES=true).