

Re: Reading CSV or Excel files in java and mapping values to database columns

Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.programmer/2007-06/msg01936.html>

- *From:* dtaylor4@xxxxxxx
 - *Date:* Wed, 27 Jun 2007 13:27:52 -0000
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On Jun 20, 10:42 am, "delcas2...@xxxxxxxxxx" <delcas2...@xxxxxxxxxx> wrote:

Dear colleagues,

I am looking for a free and simple mechanism for reading data from files (could be CSV or XLS) and inserting values that are read into a database. I know that I could import a csv/xls file directly from a database, but this is different. There is a Document Management System in the mix. The use case is like this:

- 1) User creates csv/xls file with certain information (i.e: "male,usa,hispanic,married")
- 2) Java program reads file and maps string values to attribute properties in the DMS

I've seen the Apache POI and a few other (Oster utils, etc) but I haven't found something simple and flexible enough to allow me to incorporate business logic as well as basic file i/o and string manipulation.

If you have any information, tips or advice, I would greatly appreciate it.

Kind regards,
Fer

Fer,

You can also try my company's Data Pipeline product: <http://northconcepts.com/>

Here's an example from our cookbook:

-- code snippet -----

```
package com.northconcepts.datapipeline.examples.cookbook;
```

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```
import java.io.File;
import java.sql.Connection;
import java.sql.Driver;
import java.util.Properties;

import com.northconcepts.datapipeline.core.DataReader;
import com.northconcepts.datapipeline.core.DataWriter;
import com.northconcepts.datapipeline.core.Job;
import com.northconcepts.datapipeline.csv.CSVReader;
import com.northconcepts.datapipeline.jdbc.JdbcWriter;

public class WriteACsvFileToDatabase1 {

    public static void main(String[] args) throws Throwable {
        // connect to the database
        Driver driver = (Driver)
            Class.forName("sun.jdbc.odbc.JdbcOdbcDriver").newInstance();
        Properties properties = new Properties();
        properties.put("user", "scott");
        properties.put("password", "tiger");
        Connection connection = driver.connect("jdbc:odbc:dp-
        cookbook", properties);

        DataReader reader = new CSVReader(new File("credit-
        balance.csv"))
            .setFieldNamesInFirstRow(true);

        DataWriter writer = new JdbcWriter(connection,
            "dp_credit_balance")
            .setCloseConnectionOnClose(true);

        Job.runNow(reader, writer);
    }
}
```

--- code snippet -----

You can download the cookbook & software from
<http://northconcepts.com/products/data-pipeline/downloads.html>

If you have any questions, feel free to post it here or in our forums.

Good luck,
Dele

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