
Subject: Batch convert .csv to .DWAR
Posted by [Luisa_ddc](#) on Fri, 18 Oct 2019 03:00:15 GMT
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Hello, I have a folder contains more than 50 files and I want to apply the same template to the entire folder. Is it possible to avoid repeating the same operation 50 times? Thanks

Subject: Re: Batch convert .csv to .DWAR
Posted by [thomas](#) on Mon, 21 Oct 2019 19:32:46 GMT
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If you are on Linux or Mac, you may copy the following line into a new text file, save it as "myscript" into your folder, make it executable with "chmod 755 myscript" and run it with "./myscript":

```
for FILE in *.dwar ; do (cat "$FILE" >> new_"$FILE"; cat template.dwat >> new_"$FILE"); done
```

If you have a new Windows 10 with bash support, I would assume that this should then also work.

Subject: Re: Batch convert .csv to .DWAR
Posted by [Luisa_ddc](#) on Tue, 22 Oct 2019 01:18:31 GMT
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Hi, Thomas, thanks for your reply.
Now my raw files are in .csv format with one structure column and other numerical columns. How should I batch convert them to DWAR format in the first place?
Best.

Subject: Re: Batch convert .csv to .DWAR
Posted by [nbehrnd](#) on Tue, 22 Oct 2019 22:25:50 GMT
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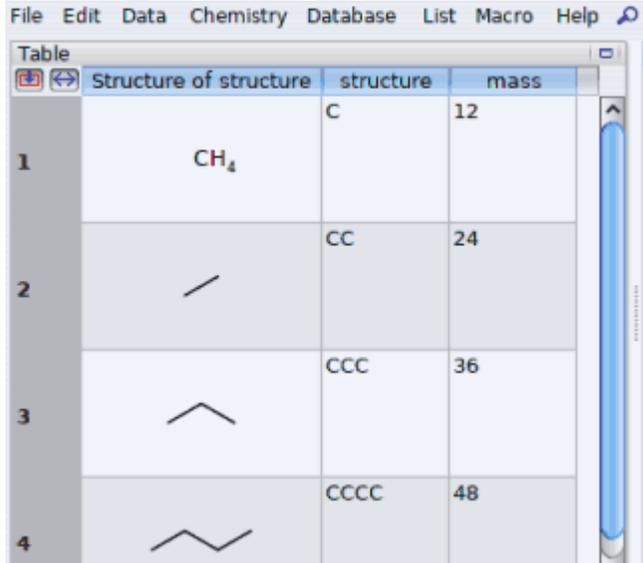
Assuming Thomas' script did the catenate the files, ensure that each of the columns has a header; for example "structure, mass" as in the example.csv attached below. (An extension .txt equally will be recognized successfully by DataWarrior. If working in Linux, DataWarrior will trade well with the file regardless if the line ending is encoded in dos, or unix convention, too.)

Then open either by shortcut Ctrl + O, or in the menu File -> Open the directory and eventually the .csv in question. While reading the file, DataWarrior converts automatically the structure string to populate an additional column.

Do not forget to explicitly instruct DataWarrior to save the read as .dwar.

File Attachments

1) [dw_import.png](#), downloaded 1267 times



The screenshot shows a window titled "Table" with a menu bar (File, Edit, Data, Chemistry, Database, List, Macro, Help) and a toolbar. The table has three columns: "Structure of structure", "structure", and "mass". It contains four rows of data:

	Structure of structure	structure	mass
1	<chem>CH4</chem>	C	12
2	<chem>C=C</chem>	CC	24
3	<chem>C=C=C</chem>	CCC	36
4	<chem>C=C=C=C</chem>	CCCC	48

2) [example.csv](#), downloaded 704 times

3) [example.dwar](#), downloaded 704 times

Subject: Re: Batch convert .csv to .DWAR

Posted by [thomas](#) on Thu, 24 Oct 2019 20:08:26 GMT

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you might use a DataWarrior macro to open the csv-file, append the template, save the file and quit DataWarrior (as shown below). Then use a Linux loop to mv one file after another into another working directory, apply the macro and rename and move the saved file back. Assuming, your csv files are in /home/thomas/csv and we use a working directory /home/thomas/test that contains the template t.dwat and convert.dwam, then it would look like this:

```
cd /home/thomas/csv
for FILE in *.csv ; do (mv "$FILE" ../test/t.csv; /opt/datawarrior/datawarrior ../test/convert.dwam;
mv ../test/t.dwar "$FILE".dwar); done
```

this goes into the convert.dwam:

```
<macro name="convert">
<task name="openFile">
fileName=/home/thomas/test/t.csv
</task>
<task name="openAndApplyTemplate">
fileName=/home/thomas/test/t.dwat
</task>
```

```
<task name="saveFileAs">  
fileName=/home/thomas/test/t.dwar  
</task>  
<task name="exitProgram">  
saveChanges=yes  
</task>  
</macro>
```
