Subject: Batch convert .csv to .DWAR

Posted by Luisa ddc on Fri, 18 Oct 2019 03:00:15 GMT

View Forum Message <> Reply to Message

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

View Forum Message <> Reply to Message

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

View Forum Message <> Reply to Message

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

View Forum Message <> Reply to Message

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 menue 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 1038 times
- 2) example.csv, downloaded 616 times
- 3) example.dwar, downloaded 613 times

Subject: Re: Batch convert .csv to .DWAR Posted by thomas on Thu, 24 Oct 2019 20:08:26 GMT

View Forum Message <> Reply to Message

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>
```