CSV Driver for OpenJUMP

Since version 1.6, OpenJUMP PLUS is bundled with a new CSV Driver which replaces the old txt-driver. CSV driver 0.9 is the 3rd major revision of this new driver and makes it possible to read csv files included in a compressed archive (read-only). Version 2.0.0, released on 2021, is the first version compatible with OpenJUMP 2 and JTS 1.18.

CSV file readers

The new CSV driver has been written in a very flexible way.

It is made of one main class representing a CSVFile with all needed parameters, and several implementations serving different purpose :

- CSV (auto) : an implementation which will ask no question to the user, but guess the csv file structure. The easiest way which will work in 90% cases.
- CSV (set options) : as opposed to CSV (auto), this one will ask the user all the parameters to use to parse the file correctly. Less user friendly than the previous one but more precise and more flexible.
- CSVTFile : use the csvt format defined by OGR toolbox to know how to parse the csv file [TO BE DONE]

CSV (auto)

See documentation about CSV (auto).

CSV (set options)

This driver let the user set the following options to read its character delimite file.

Encoding

Choose the charset used by the file to be imported

Comment line

Choose a pattern which will be used to recognize comment lines (Currently, it is not possible to enter a user-defined pattern).

Field separator

Choose a separator among "Tabulation", "Comma", "Semi-column", "Pipe", "Whitespace".

Header line

Set if the file includes a header line containing column names.

Data type line

Set if the header line is followed by a data type line giving data type of each column.

Column containing X

Enter the 1-based column number containing the X coordinate (or easting). Entering '-' (after 16) means that the csv file contains no geometry. In this case, features will be imported with an empty GeometryCollection.

Column containing Y

Enter the 1-based column number containing the Y coordinate (or northing). Entering '-' (after 16) means that the csv file contains no geometry. In this case, features will be imported with an empty GeometryCollection.

Column containing Z

Enter the 1-based column number containing the Z coordinate or "-" if there is no z coordinate.

CSV File Writer

The CSV Writer has only three options. It will always write a header line.

Character delimiter

Choose a separator among "Tabulation", "Comma", "Semi-column", "Pipe", "Whitespace".

Data type line

Choose if you want to preserve data types by writing a line containing data types after the header line.

Choose attribute

An option which will let the user choose attribute to export. He will be able to add a X, Y and Z column to the original schema, and if the geometry attribute is selected, it will be exported as WKT.