Authentic 2 - Bug #9747

Improve performance of users export to ODS

22 janvier 2016 17:10 - Frédéric Péters

Statut:	Rejeté	Début:	22 janvier 2016
Priorité:	Normal	Echéance:	
Assigné à:		% réalisé:	0%
Catégorie:		Temps estimé:	0:00 heure
Version cible:	2.2.0		
Patch proposed:	Non	Planning:	

Description

While #9402 made it possible for CSV export to work in a reasonable time (13 seconds) the export to ODS on the same site (vincennes) still takes too much time and leads to a timeout (set at 60 seconds).

Historique

#1 - 22 janvier 2016 18:14 - Benjamin Dauvergne

Bad news https://github.com/kennethreitz/tablib/issues/19

I think the only way forward would be to rewrite the ODS export using equivalent w.c.s. code. generating XML files directly.

#2 - 22 janvier 2016 18:19 - Benjamin Dauvergne

Strangely the implementation in tablib at the date of the issue does not use openpyxl for ods export at all...

#3 - 22 janvier 2016 18:36 - Benjamin Dauvergne

Completely strange behaviour:

```
In [14]: %timeit -n1 -r1 tablib.Dataset(*[(i,i) for i in range(1000)]).ods
1 loops, best of 1: 3.55 s per loop

In [15]: %timeit -n1 -r1 tablib.Dataset(*[(i,) for i in range(1000)]).ods
1 loops, best of 1: 297 ms per loop
```

But the code is just ugly[1], it even seems false (ws.addElement(table.TableColumn()) done on each row of each column ?!?).

[1]https://github.com/kennethreitz/tablib/blob/develop/tablib/formats/_ods.py#L54

#4 - 22 janvier 2016 18:48 - Benjamin Dauvergne

Big improvement:

```
--- /usr/lib/python2.7/dist-packages/tablib/formats/_ods.py   2014-10-13 23:44:09.000000000 +0200
+++ /tmp/_ods.py   2016-01-22 18:47:32.346140742 +0100
@@ -68,33 +68,18 @@
            except TypeError:
                ## col is already unicode
                pass
-           ws.addElement(table.TableColumn())

            # bold headers
            if (row_number == 1) and dataset.headers:
                odf_row.setAttribute('stylename', bold)
-               ws.addElement(odf_row)
                cell = table.TableCell()
                p = text.P()
                p.addElement(text.Span(text=col, stylename=bold))
                cell.addElement(p)
                odf_row.addElement(cell)
-
            # wrap the rest
            else:
-               try:
-                   if '\n' in col:
-                       ws.addElement(odf_row)
```

```
-                        cell = table.TableCell()
-                        cell.addElement(text.P(text=col))
-                        odf_row.addElement(cell)
-                    else:
-                        ws.addElement(odf_row)
                         cell = table.TableCell()
                         cell.addElement(text.P(text=col))
                         odf_row.addElement(cell)
-            except TypeError:
                     ws.addElement(odf_row)
-                    cell = table.TableCell()
-                    cell.addElement(text.P(text=col))
-                    odf_row.addElement(cell)
```

#5 - 22 janvier 2016 18:49 - Benjamin Dauvergne

It seems that tablib and/or ods export have never been really used...

#6 - 22 janvier 2016 19:30 - Benjamin Dauvergne

It still takes more thant 1Go of memory to build the ODS and the gunicorn worker is killed :/

#7 - 10 mai 2016 18:39 - Mikaël Ates

- Version cible mis à 2.2.0

#9 - 18 décembre 2018 09:48 - Frédéric Péters

- Statut changé de Nouveau à Rejeté

L'export ODS a finalement été retiré, [#26450](#).