

Redmine - Defect #41434

CSV import fails with error for quoted fields containing newlines and CRLF line endings

2024-10-04 23:56 - Go MAEDA

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Importers	Estimated time:	0.00 hour
Target version:	6.1.0	Affected version:	
Resolution:			
Description			
When you attempt to import the attached CSV file (test.csv), the following error message is displayed:			
<pre>The file is not a CSV file or does not match the settings below (Unquoted fields do not allow new line <"\r\n"> in line 1.)</pre>			
clipboard-202410050652-xaakj.png			
This error occurs when the CSV file contains values with newline characters ("n") inside double-quoted fields, and the lines end with DOS-style line endings ("r\n"). If the file uses UNIX-style line endings (n), the error does not occur.			
This type of CSV file can be generated by Microsoft Excel when cells contain line breaks.			
spreadsheet.png			

History

#1 - 2024-10-07 08:28 - Go MAEDA

I found that the error occurs only when quoted values that contain "n" exist in the first line.

```
redmine-app (prod) > CSV.parse(%Q|FieldName1,"Field\nName2"\r\nValue1,"Value2"|)
/Users/maeda/redmines/gems/ruby/3.3.0/gems/irb-1.14.1/lib/irb.rb:1260:in `full_message': Any value after quote
d field isn't allowed in line 1. (CSV::MalformedCSVError)
```

No problem when it exists in the second line or later.

```
redmine-app (prod) > CSV.parse(%Q|FieldName1,"FieldName2"\r\nValue1,"Value\n2"|)
=> [{"FieldName1", "FieldName2"}, {"Value1", "Value\n2"}]
```

Setting the row_sep option also avoids the error.

```
redmine-app (prod) > CSV.parse(%Q|FieldName1,"Field\nName2"\r\nValue1,"Value2"|, row_sep: "\r\n")
=> [{"FieldName1", "Field\nName2"}, {"Value1", "Value2"}]
```

#2 - 2024-11-04 06:07 - Go MAEDA

- File 41434-csv-crlf.patch added

The attached patch should fix the issue.

#3 - 2024-11-10 08:27 - Go MAEDA

- Target version set to 6.1.0

Setting the target version to 6.1.0.

Files

test.csv	62 Bytes	2024-10-04	Go MAEDA
clipboard-202410050652-xaakj.png	131 KB	2024-10-04	Go MAEDA
spreadsheet.png	16.7 KB	2024-10-04	Go MAEDA
41434-csv-crlf.patch	1.17 KB	2024-11-04	Go MAEDA