

FileValidator

FileValidator is a tool for validating column types in a csv file using a number of validators.



It is important to set up the config file correctly before using the program:

input_folder:	The location of the files to be validated eg: C:\TestDirectory
file_mask:	Used to identify the file types to be validated eg: *.txt
errors_file:	Where the validation errors should be reported to eg: C:\TestDirectory\Output\results.log
delimiter:	The character denoting a new column in the files to be validated *Note: quoted fields are not currently supported eg:
successDirectory:	Where files which have passed validation should be moved to after validation has completed. This directory will be created if it does not exist eg: C:\TestDirectory\Success
failureDirectory:	Where files which have failed validation should be moved to after validation has completed. This directory will be created if it does not exist eg: C:\TestDirectory\Failure

The available validators are:

ValidatorCurrency:	Validates that the field is in format dd.dd (can be any number of digits prior to point, but must be 2 following it).
ValidatorDate_MMDDYYYY:	Validates that: The field is exactly 8 characters in length That all characters are numeric values That the 1 st character is either 0 or 1 That the 3 rd character is either 0, 1, 2 or 3
ValidatorDate_YYMMDD:	Validates that: The field is exactly 6 characters in length That all characters are numeric values That the 3 rd character is either 0 or 1 That the 5 th character is either 0, 1, 2 or 3
ValidatorDate_YYYYMMDD:	Validates that: The field is exactly 8 characters in length That all characters are numeric values That the 5 th character is either 0 or 1 That the 7 th character is either 0, 1, 2 or 3
ValidatorFieldLength_X:	X must be replaced with any positive integer (can be zero) Validates that the field is exactly X characters in length
ValidatorMaxFieldLength_X:	X must be replaced with any positive integer (can be zero) Validates that the field is less than or equal to X characters in length
ValidatorNumber:	Validates that the field only contains numeric values
ValidatorNoNumbers:	Validates that the field does not contain numeric values
ValidatorFieldIsNotBlank:	Validates that the length of the field is greater than zero

These validators can be used in any sensible combination on column indexes in the file. Column indexes begin with a zero. For example:

```
<validators>
  <add key="0" value="ValidatorDate_YYMMDD" />
  <add key="1" value="ValidatorNumber" />
  <add key="1" value="ValidatorFieldLength_10" />
  <add key="2" value="ValidatorDate_YYYYMMDD" />
  <add key="3" value="ValidatorNoNumbers" />
  <add key="3" value="ValidatorFieldLength_15" />
  <add key="4" value="ValidatorNoNumbers" />
```

File Validator created by Michael Ekins 2015

Code available from <https://github.com/SnikE86/FileValidator>

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```
<add key="4" value="ValidatorFieldIsNotBlank" />
<add key="5" value="ValidatorDate_YYMMDD" />
<add key="5" value="ValidatorMaxFieldLength_150" />
<add key="6" value=" ValidatorCurrency" />
<add key="7" value=" ValidatorDate_MMDDYYYY" />
</validators>
```