# 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 1st character is either 0 or 1

That the 3rd 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 3rd character is either 0 or 1

That the 5th 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 5th character is either 0 or 1

That the 7th 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" />

<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>