

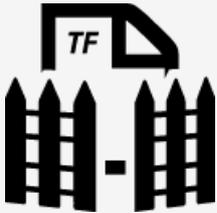
Task Factory File Gateway

Last Modified on 28 September 2020

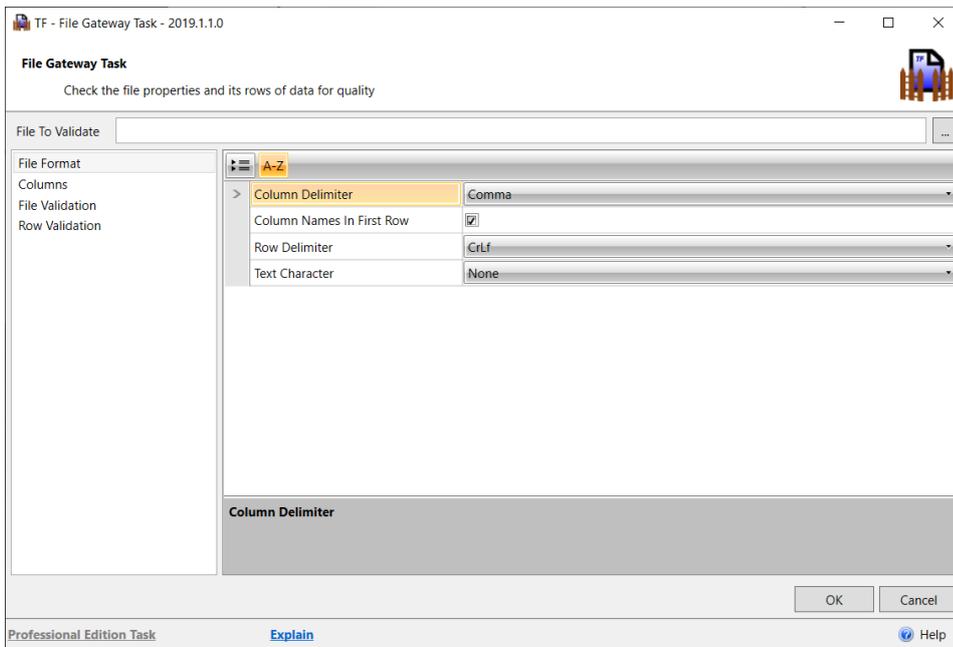
Note: File Gateway is available for SQL Server versions 2012 and higher.

File Gateway Task

File Gateway Task

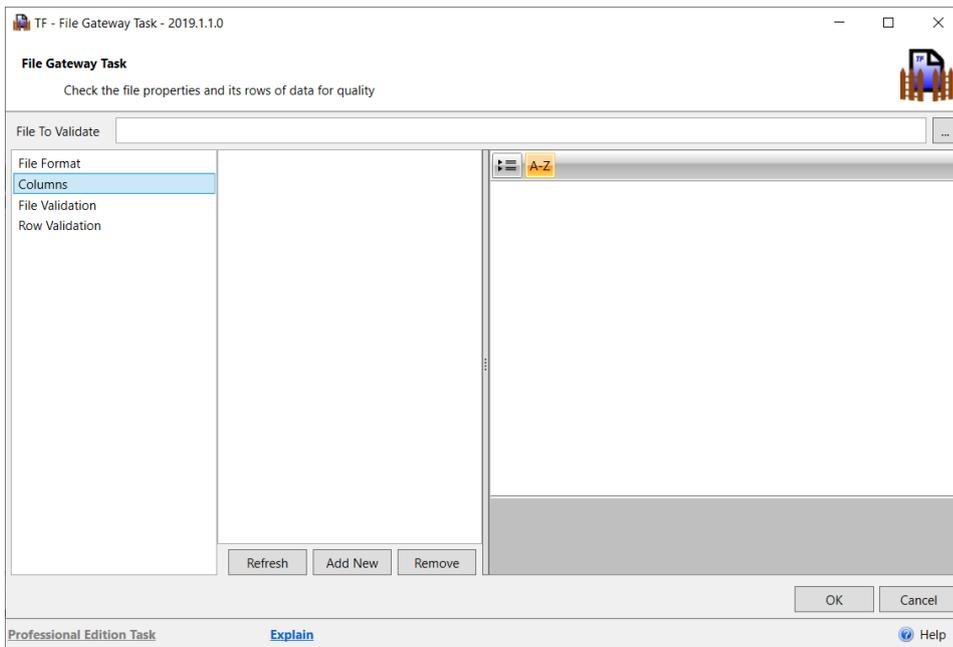
| Task Icon | Task Description |
|---|---|
|  The icon consists of a document symbol with the letters 'TF' inside a square, positioned above a stylized fence with three vertical posts and horizontal rails. | <p>The File Gateway Task gives you the ability to validate delimited files before performing a downstream action on the selected file.</p> |

File Format



| Option | Description |
|----------------------------------|--|
| Column Delimiter | Identifies the character used to distinguish between columns. Users can select between comma, vertical bar (pipes), semicolon, colon, or tabs (\t). |
| Column Names In First Row | This option should be selected if the file contains column names in the first row. |
| Row Delimiter | This option identifies the performance that creates a new row. Users can select between carriage return line feed (CrLf), line feed only (Linefeed), and carriage return (CarriageReturn.) |
| Text Character | Identifies whether row data is wrapped in single quotes, double quotes, or no specific character. |

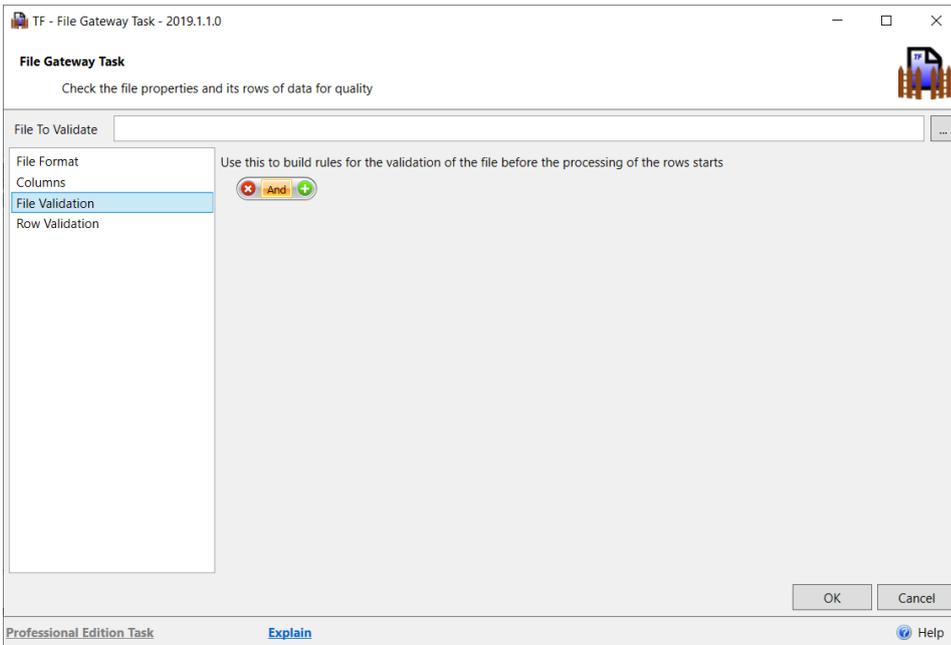
Columns



| Option | Description |
|--------------|---|
| Index | Identifies the order (zero-based) of the columns. |
| Name | Users can set or rename columns. |
| Type | Users can set the column data type. |

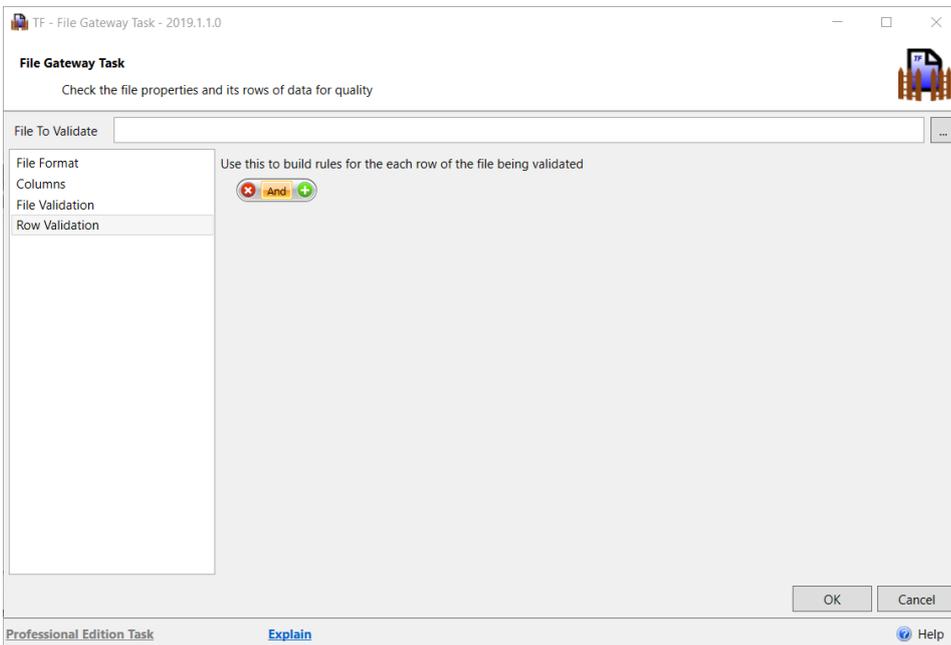
File Validation

Users can build rules for validation of the file before row processing begins. Users make such requirements as the file size should be equal to, greater than, or less than a specified size (in kilobytes), a specified number of column headers or rows, or the file's last modified date occurred on, before, or after a specific date. Users should note that multiple conditions can be created to validate the file.



Row Validation

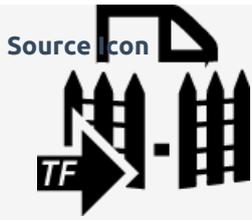
Users can build rules that each row must follow. For example, if a column should not contain null, users can add an **Is Not Null** condition for that column. If a NULL is found during the scan, the validation would fail causing the File Gateway Task to fail and, ultimately, the package to fail.



File Gateway Source

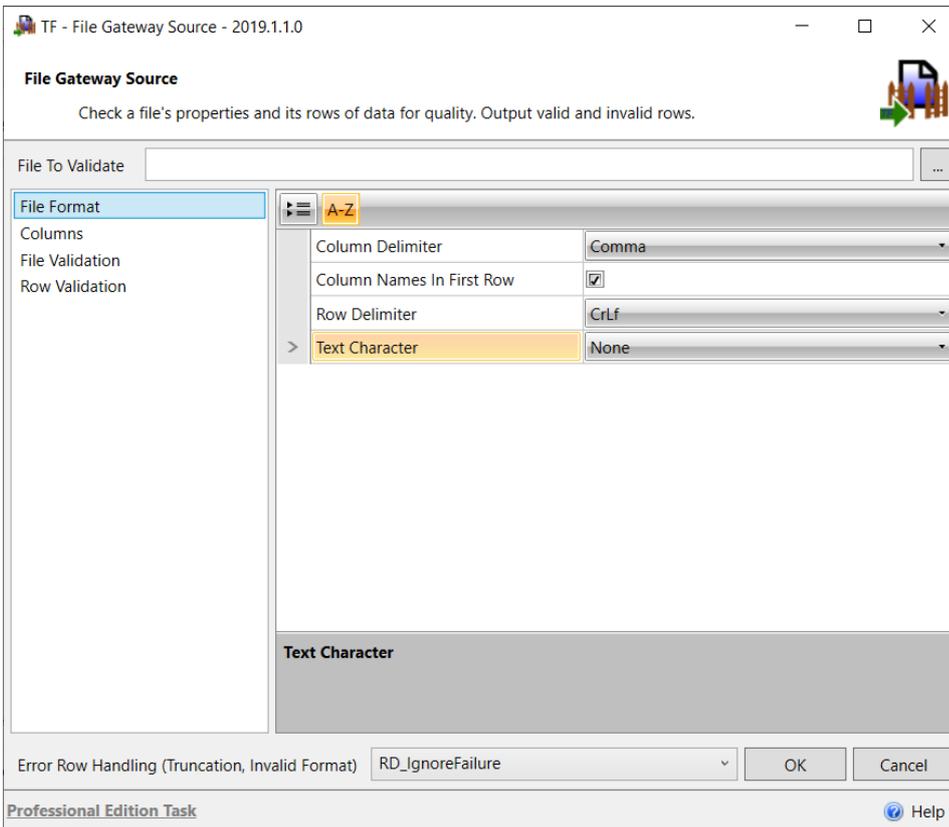
File Gateway Source

| Source Icon | Source Description |
|-------------|--------------------|
| | |



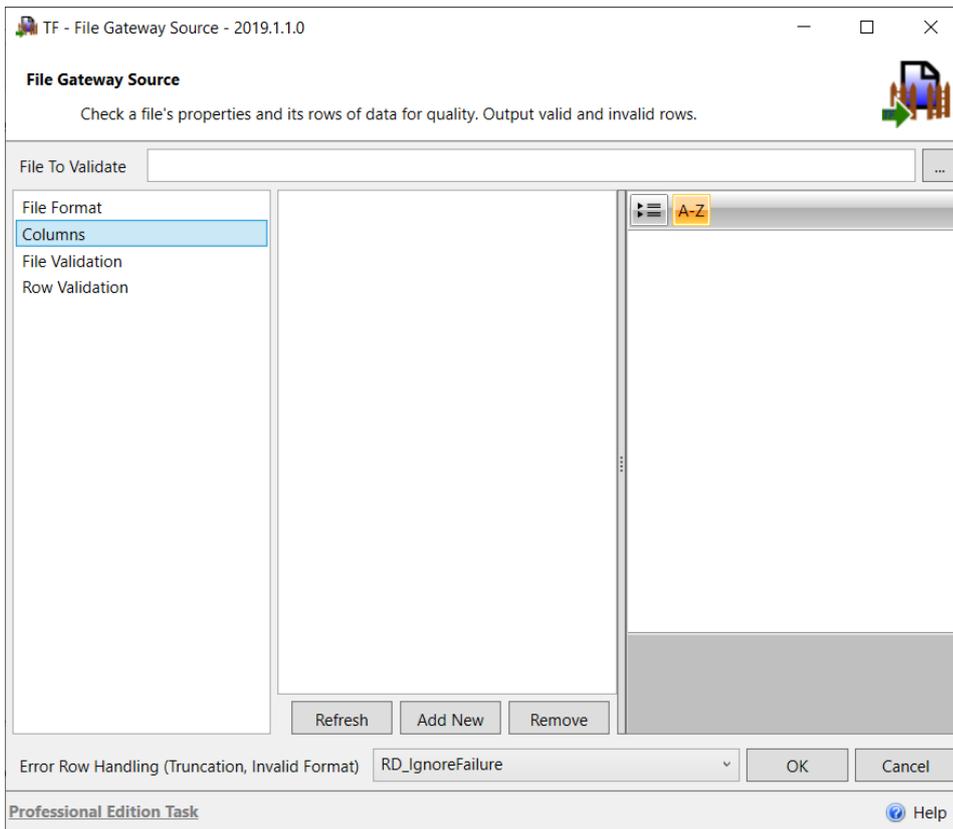
Source Description Source gives you the ability to validate delimited files or rows before performing a downstream action on the selected file.

File Format



| Option | Description |
|----------------------------------|--|
| Column Delimiter | Identifies the character used to distinguish between columns. Users can select between comma, vertical bar (aka pipes), semicolon, colon, or tabs (\t). |
| Column Names In First Row | This option should be selected if the file contains column names in the first row. |
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Columns

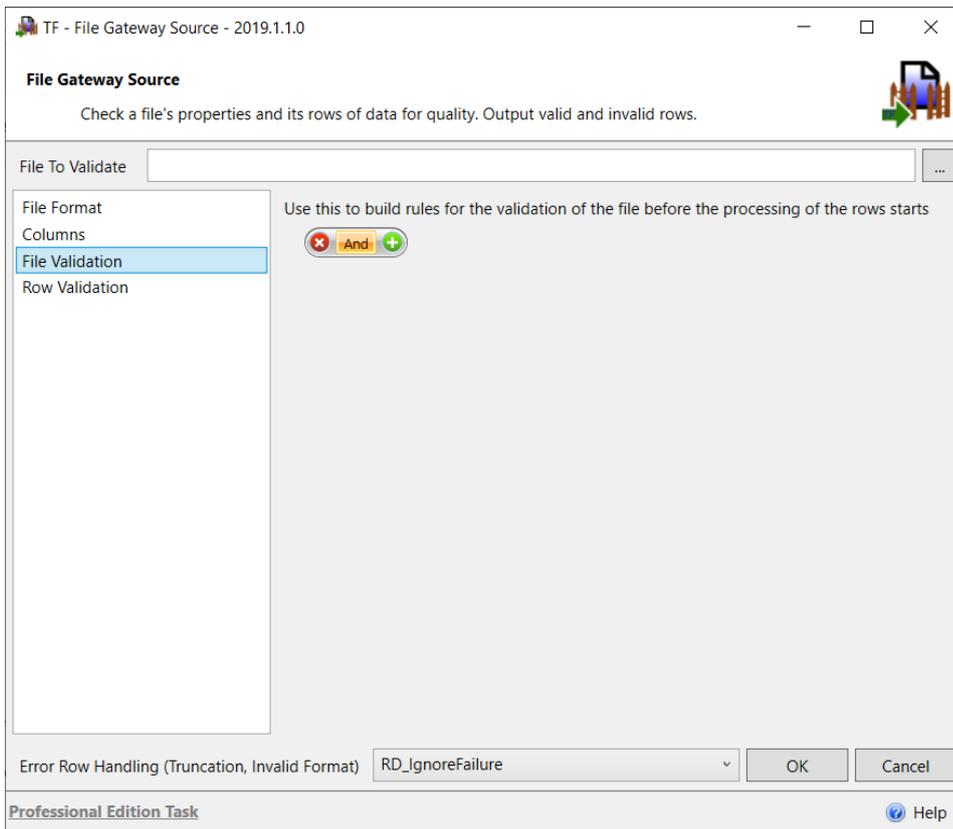


| Option | Description |
|--------------|---|
| Index | Identifies the order (zero-based) of the columns. |
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File Validation

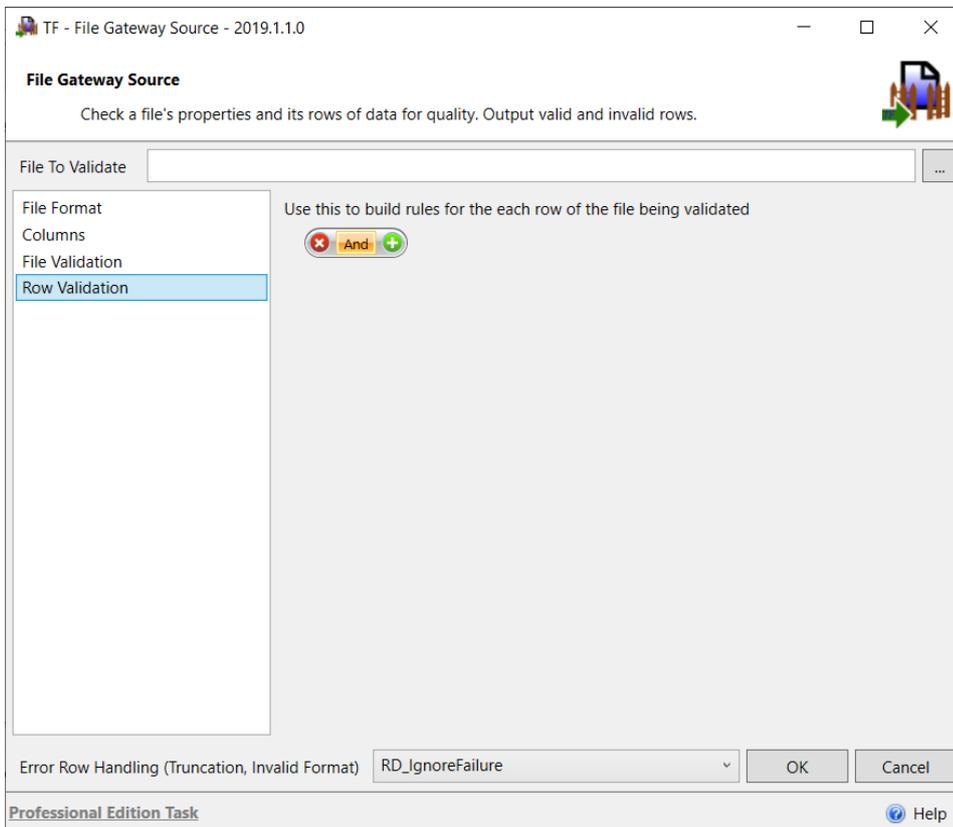
Users can build rules for validation of the file before row processing begins. Users make such requirements as the file size should be equal to, greater than, or less than a specified size (in kilobytes), a specified number of column headers or rows, or the file's last modified date occurred on, before, or after a specific date.

Note: Multiple conditions can be created to validate the file.



Row Validation

Users can build rules that each row must follow. For example, if a column should not contain null, users can add an **Is Not Null** condition for that column. If a NULL is found during the scan, the validation would fail causing the File Gateway Task to fail and, ultimately, the package to fail.



The component has two successful outputs that can be used for Row Validation (valid and invalid output.)

[🔗](#) **Additional Information:** See the [Task Factory Error Row Handling](#) article for more information about this functionality.