

# Supported Special Regular Expression Characters

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Trifacta® Wrangler supports a set of special characters for regular expressions that are common to all of the execution engines supported by the platform.

## Slashes

The forward slash character is used to denote the boundaries of the regular expression:

```
/this_is_my_regular_expression/
```

- The backslash character (\) is the escaping character. It can be used to denote an escaped character, a string, literal, or one of the set of supported special characters.
- Use a double backslash (\\) to denote an escaped string literal. For more information, see *Escaping Strings in Transformations*.

## Supported Special RegEx Characters

The table below identifies the special characters that are supported in the platform.

Special Characters	Description
\\	String literal match for \ character.
\b	Matches any zero-width word boundary, such as between a letter and a space. Example: /\bre/ does not match re in tire, since re is not on the word boundary. /re\b/ does match.
\B	Matches any zero-width non-word boundary, such as between two letters or two spaces. Example: /\Bre/ matches re in tire. It does not match in respect, since that instance of re is on a word boundary.
\cX	Matches a control character (CTRL + A-Z), where X is the corresponding letter in the alphabet.
\d	Matches any digit.
\D	Matches any non-digit.
\f	Matches a form feed.
\n	Matches a line feed. <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"><b>NOTE:</b> These characters are not supported in inputs for Object and Array data types.</div>
\r	Matches a carriage return.

<code>\s</code>	Matches any whitespace character. These characters include: <ul style="list-style-type: none"> <li>• space</li> <li>• tab</li> <li>• form feed</li> <li>• line feed</li> <li>• Other Unicode space characters</li> </ul>
<code>\S</code>	Matches any character that is not one of the supported whitespace characters.
<code>\t</code>	Matches a horizontal tab. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p><b>NOTE:</b> These characters are not supported in inputs for Object and Array data types.</p> </div>
<code>\v</code>	Matches a vertical tab.
<code>\w</code>	Matches any alphanumeric value, including the underscore. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p><b>Tip:</b> Column names must match the same set of characters.</p> </div>
<code>\W</code>	Matches any non-alphanumeric character, including the underscore.
<code>\xHH</code>	Matches the ASCII character code as expressed by the hexadecimal value HH.
<code>\uHHHH</code>	Matches the Unicode character code as expressed by the hexadecimal value HHHH .

## Required Escaped Characters

The following characters have special meaning within a regular expression.

```
. ^ $ * + - ? ( ) [ ] { } \ | - /
```

To reference the literal character, you must escape it within the regular expression, as in:

```
/\./
```