

Special Capture Group References

In Wrangle transformations that support use of regex patterns, you may need to specify capture groups. A capture group is a pattern that describes a set of one or more characters that constitute a match.

- These patterns are described using regular expression syntax. Designer Cloud Enterprise Edition implements a version of regular expressions based off of *RE2* and *PCRE* regular expressions.

This section contains information on how special capture group references are managed.

Dollar sign in replace transform

The dollar sign (\$) is used as a form of escape character in the `with` parameter of the `replace` transform. This pattern identifies the replacement string.

In the table below, you can review how these replacement patterns are supported across the running environments.

Pattern	Description	On Photon	On Hadoop
<code>\$\$</code>	Inserts a \$ in the replacement value.	Yes	Yes
<code>\$n</code> or <code>\$nn</code>	For non-negative digits <code>n</code> , this pattern inserts the <code>n</code> th parameterized sub-match string, provided that the first argument was a regex object.	Yes	Yes

Examples

In the following example, the `MyColumn` column contains the value `foobar` in all rows.

source value	replace transform	replacement
foobar	<pre>replace col:MyColumn with:'\$\$f' on:'f'</pre>	\$foobar
foobar	<pre>replace col:MyColumn with:'\$2' on:`(f)(o)(o)bar`</pre> <p>Note that the <code>on</code> parameter is a Alteryx® pattern.</p>	o