

For Each Action

The For Each action will iterate through items in a list. The list can be specified line by line or separated by another character such as a comma. Note that you can also use this action to iterate through items in a variable or expression.

Note: Variables which have a Checkbox Select prompt type can contain a comma-delimited list of the select items which can be iterated using this action.

For Each

For Each Action

For Each

Options

Comments

Required Field

Name

For Each [""]

☒ Enabled

List of Items

Development

Test

Release

?

✓

Enter a list of items, variable or expression which will expand to a list of items to iterate.

List Item Variable

ListItem

Select the name of the build variable to set with the value of the current list item. Expression variables which cannot be modified are not listed.

Validate

Save

Cancel

Help

Name

A friendly name for this action (will be displayed in the [actions workflow area](#)).

Enabled

Determines if this action will be run within the relevant stage.

List of Items

The items to be iterated. This field can include expressions. Any expressions will be expanded before the list items are split by the specified separator.

List Item Variable

An existing variable for storing the current item in the iteration. You can use this variable to access the current item in a child action.

Options

For Each Action

For Each

Options

Comments

List Item Separator

Newline (CRLF) ▾

Text Delimiters

None ▾

Required Field

Note that delimiters can be escaped in the List of Items by doubling up e.g. "" . No error will be raised if the delimiters are missing from a list item.

☒

Write the current list item to the build log for each iteration

☒

Remove delimiters
Removes any delimiters from list item before setting variable.

☒

Trim spaces
Removes any spaces from list item before setting variable. Note that spaces outside delimiters are always trimmed.

☒

Skip blank entries

Validate

Save

Cancel

Help

List Item Separator

This is used to split the contents of the List of Items text area into items to iterate. Available options are Comma, Newline (CRLF), Newline (LF), Tab or Custom.

Custom List Item Separator

Enter one or more custom list separator characters. The text will be split on finding ANY of these characters.

Text Delimiters

Specify any character which delimits the list items e.g. the items in "item 1", "item 2", "item 3" are delimited with double quotes. Available options are None, Double Quotes, Single Quotes or Custom.

Custom Text Delimiters

Specify one or two custom characters as the list item delimiter. If two characters are used then the first character will be the left delimiter and the second character the right delimiter. e.g. () in the text (item 1), (item 2), (item 3).

Write the current list item to the build log for each iteration

Tick this to write the current list item to the build log for each iteration.

Remove delimiters

Tick this to remove any delimiters from list item before setting variable.

Trim spaces

Tick this to remove any spaces from list item before setting variable. Note that spaces outside delimiters are always trimmed.

Skip Blank Entries

Tick this to skip any blank or empty items when iterating the list.