

String-List

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1. Description

The string-list ant task takes a delimited string, and provides various list actions.

General syntax:

```
<string-list list="e1,e2,e3" delimiter="," resultproperty="result">
  <action>input</action >
</string-list>
```

2. Parameters

Attribute	Description	Required
list	Value containing list	Yes
resultproperty	Property name to store result.	No. defaults to "result"
delimiter	String delimiting elements in the list value	No. defaults to "," (comma)

3. Parameters specified as nested elements

The string-list task takes one *action* element.

action	description	input data
contains	Checks if list contains value. If the value is found resultproperty is set true, otherwise the property is not set.	value to find
get	Retrieves element from list. Takes an index number or optionally a regex pattern if regex=true.	an integer or a regex pattern if regex attribute is set true
add	Adds element to list	value to add
remove	Removes element from list	value to remove
reverse	Reverses elements in list.	none
size	Counts elements in list	none

4. Examples

The examples below show off a variety of string-list actions.

```

<!-- count the elements -->
<string-list list="one,two,three"
             delimiter=","
             resultproperty="list.size">
    <size/>
</string-list>

<!-- check if the list contains the value, one -->
<string-list list="one,two,three" resultproperty="contains.one">
    <contains>one</contains>
</string-list>

<!-- get the first element -->
<string-list list="one,two,three" resultproperty="list.zeroth">
    <get>0</get>
</string-list>

<!-- retrieve the element by a regex pattern -->
<string-list list="one,two,three" resultproperty="list.get.regex">
    <get regex="true">on.</get>
</string-list>

<!-- add an element -->
<string-list list="one,two,three" resultproperty="list.added">
    <add>four</add>
</string-list>

<!-- remove an element -->
<string-list list="one,two,three" resultproperty="list.removed">
    <remove>three</remove>
</string-list>

<echo>
    number elements: ${list.size}
    contains one?: ${contains.one}
    first num: ${list.zeroth}
    get pattern.: ${list.get.regex}
    reversed: ${list.reversed}
    add an element: ${list.added}
    remove an element: ${list.removed}
</echo>

```

results would look like:

```

number elements: 3
contains one?: true

```

```
first num: one  
get pattern: one  
reversed: two,three,one  
add an element: one,two,three,four  
remove an element: one,two
```