Example

Shapes - Reverse All Shapes

by:	Sebastian Beutel, February 2020
published:	here
description:	this macro reverses all running shapes
remarks:	requested by Marco Rossoni “is it possible to do a macro that invert the shape direction? thanks a lot … , e.g. I have a symmetric circle running outwards and with that macro make that circle running inward.”

shape, reverse, circle

From Titan v15 on ClearAll() requires two parameter, see Programmer.Editor.ClearAll. Simply change the relevant line to `Programmer.Editor.ClearAll(true, true)`.

functions

- Editor.Shapes.ConnectShapesList
- Editor.Shapes.SelectAllShapes
- ActionScript.SetProperty.Boolean
- Editor.Shapes.Reverse
- Programmer.Editor.ClearAll

affected properties

- Editor.Shapes.ProgrammerShapes.Empty
- Editor.Shapes.EditShapesEmpty
- Editor.Shapes.EditingPlaybackShapes

control structures

- condition

Code

ReverseAllShapes.xml

```
<?xml version="1.0" encoding="utf-8"?>
<avolites.macros>

  <macro id="Avolites.Macros.ReverseAllShapes" name="Reverse All
Shapes">
    <sequence>
      <step>Editor.Shapes.ConnectShapesList()</step>
```

```
      <step
condition="!Editor.Shapes.ProgrammerShapes.Empty">Editor.Shapes.SelectA
llShapes()</step>
      <step condition="!Editor.Shapes.EditShapesEmpty">
ActionScript.SetProperty.Boolean("Editor.Shapes.EditingPlaybackShapes",
true)
      </step>
      <step>Editor.Shapes.Reverse()</step>
      <step>Programmer.Editor.ClearAll()</step>
    </sequence>
  </macro>

</avolites.macros>
```

Explanation

This explains the functional steps within the sequence. For all the other XML details please refer to Formats and syntax

- `Editor.Shapes.ConnectShapesList()` lists and highlights all running shapes
- `Editor.Shapes.SelectAllShapes()` selects all shapes from the programmer if there are any
- `Editor.Shapes.EditingPlaybackShapes` flag is set if there are any shape being edited
- `Editor.Shapes.Reverse()` actually reverses all shapes currently being edited
- `Programmer.Editor.ClearAll()` finally clears programmer and editor

How to use it

1. make this macro available
2. e.g. fire a playback with a shape
3. fire this macro - the running shape will be inverted and runs in the other direction

From:
https://www.avosupport.de/wiki/ - **AVOSUPPORT**

Permanent link:
https://www.avosupport.de/wiki/macros/example/reverseallshapes?rev=1623351688

Last update: **2021/06/10 19:01**