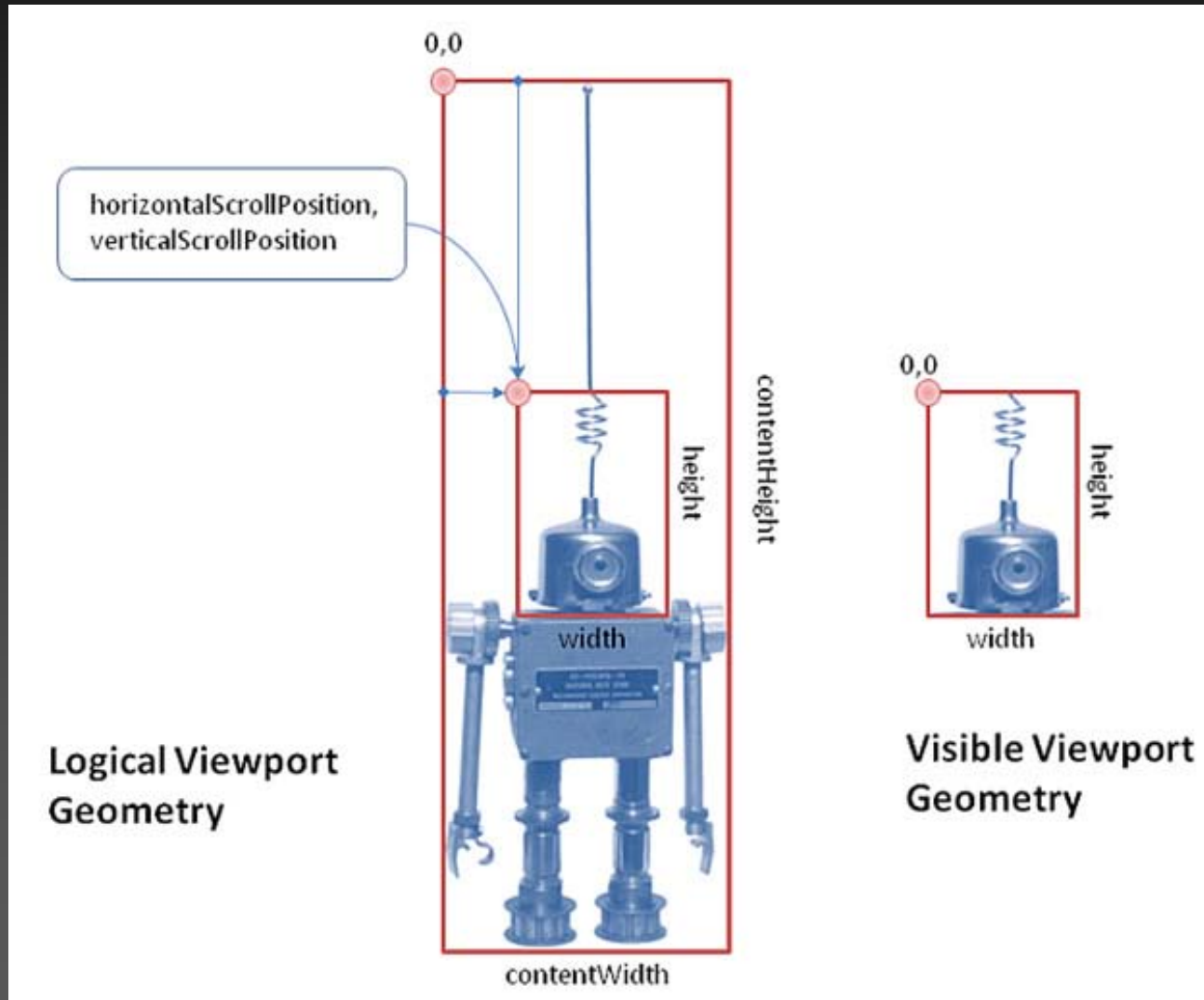


Scroller, viewport, & Skinning

taiga.jp

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Scroller



Scroller

UIComponent



SkinnableComponent



Scroller

How to use (MXML)

```
<s:Scroller id="scroller">  
  <s:Group id="group" width="" height="">  
    ...  
  </s:Group>  
</s:Scroller>
```

How to use (MXML)

```
<s:Scroller id="scroller">  
  <s:viewport>  
    <s:Group id="group" width="" height="">  
      ...  
    </s:Group>  
  </s:viewport>  
</s:Scroller>
```

How to use (ActionScript)

```
var scroller :Scroller;  
var group   :Group;  
protected override function createChildren():void {  
    ...  
    group = new Group();  
    group.width = ...  
    group.height = ...  
  
    scroller = addElement( new Scroller() ) as Scroller;  
    scroller.viewport = group;  
}
```

IViewport (Flex SDK 4.5.0.17077)

```
public interface IViewport extends IVisualElement {  
function get contentWidth():Number;  
function get contentHeight():Number;  
function get horizontalScrollPosition():Number;  
function set horizontalScrollPosition(value:Number):void;  
function get verticalScrollPosition():Number;  
function set verticalScrollPosition(value:Number):void;  
function get clipAndEnableScrolling():Boolean;  
function set clipAndEnableScrolling(value:Boolean):void;  
function get scrollAxis():String;  
function set scrollAxis(value:String):void;  
function getHorizontalScrollPositionDelta(navigationUnit:uint):Number;  
function getVerticalScrollPositionDelta(navigationUnit:uint):Number;  
}
```

implements IViewport (Flex SDK 4.5.0.17077)

- RichEditableText
- GroupBase
 - DataGroup
 - ItemRenderer
 - Group
 - DataRenderer
 - HGroup
 - VGroup
 - TileGroup
 - Graphic
 - ListItemDragProxy
 - Skin

include Scroller (Flex SDK 4.5.0.17077)

- List
 - ListSkin.mxml
 - ComboBoxSkin.mxml
 - DropDownListSkin.mxml
- DataGrid
 - DataGridSkin.mxml
- TextArea
 - TextAreaSkin.mxml

SkinPart (Scroller.as)

```
[SkinPart(required="false")]
```

```
[Bindable]
```

```
public var verticalScrollBar :VScrollBar;
```

```
[SkinPart(required="false")]
```

```
[Bindable]
```

```
public var horizontalScrollBar :HScrollBar;
```

SkinPart (ScrollerSkin.mxml)

```
<s:Skin
xmlns:fx = "http://ns.adobe.com/mxml/2009"
xmlns:s = "library://ns.adobe.com/flex/spark">

<fx:Metadata>
<![CDATA[ [HostComponent("spark.components.Scroller")] ]]>
</fx:Metadata>

<s:VScrollBar id="verticalScrollBar" visible="false" />

<s:HScrollBar id="horizontalScrollBar" visible="false" />

</s:Skin>
```

VScrollBar, HScrollBar

UIComponent



SkinnableComponent



Range



TrackBase



ScrollBarBase



VScrollBar, HScrollBar

SkinPart (ScrollBarBase.as)

```
[SkinPart(required="false")]  
public var decrementButton :Button;
```

```
[SkinPart(required="false")]  
public var incrementButton :Button;
```

SkinPart (TrackBase.as)

```
[SkinPart(required="false")]  
public var thumb :Button;
```

```
[SkinPart(required="false")]  
public var track :Button;
```

SkinPart (VScrollBarSkin.mxml)

```
[HostComponent("spark.components.VScrollBar")]
```

```
<s:states>
```

```
  <s:State name="normal" />
```

```
  <s:State name="disabled" />
```

```
  <s:State name="inactive" />
```

```
</s:states>
```

```
<s:Button id="track" />
```

```
<s:Button id="thumb" />
```

```
<s:Button id="decrementButton" />
```

```
<s:Button id="incrementButton" />
```

SkinPart (HScrollBarSkin.mxml)

```
[HostComponent("spark.components.HScrollBar")]
```

```
<s:states>
```

```
  <s:State name="normal" />
```

```
  <s:State name="disabled" />
```

```
  <s:State name="inactive" />
```

```
</s:states>
```

```
<s:Button id="track" />
```

```
<s:Button id="thumb" />
```

```
<s:Button id="decrementButton" />
```

```
<s:Button id="incrementButton" />
```


Demo