

Custom Widget: ImageList

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Introduction

The ImageList allow users to display a list of images that can range from 1 through infinite. The control of which image will be displayed is based in either period or by setting a specific index. Also, users can create masks that will be applied dynamically. There are two types of mask: maskColor only, which will cover the whole visible image area, and the maskColor combined with maskCoveredColor which will cover only the color specified in the maskCoveredColor property.

Interfaces

Properties:

Property Name	Action	Description
index	Set	The image index which will be displayed
imageFiles	Set	A list of image names separated by comma. If not specified the file extension png is used by default.
transitionPeriod	Set	The period, in milliseconds, used to display each image in the imageFiles. The zero value will make the custom widget stop in the last displayed image. Default value is 0.
errorImage	Set	The image name used when an image contained into the imageFiles is not available.
stretchImage	Set	Set to 1 means that the image will be stretched in the view area. Set to 0 means that the image will fit in the view area and centralized. Default value is 0.

basePath	Set	This value will be concatenated with the image name to compose the whole image path. If not specified the base path will be the ImageList custom widget folder. When specified the basePath will be relative to the ImageList custom widget folder.
maskColor	Set	A list of values that range from 0 through 255. Each value must be separated from the subsequent one using comma. The format is based on the RGBA which is an acronym for Red, Green, Blue, and Alpha. Eg.: 255, 0, 0, 255. The alpha is the only one that might not be set. Eg.: 255,0,0. In this case the alpha will be set to 128 which is 50% of transparency. Setting alpha to 0 means no mask at all, it happens because 0 means 100% transparent.
maskCoveredColor	Set	A list of values that range from 0 through 255. Each value must be separated from the subsequent one using comma. The format is based on the RGBA which is an acronym for Red, Green, Blue, and Alpha. Eg.: 255, 0, 0, 255. The alpha is the only one that might not be set. Eg.: 255,0,0. In this case the alpha will be set to 255 which is 0% of transparency.
maskTolerance	Set	Percentage of tolerance applied to the maskCoveredColor.
enableCache	Set	Setting this property to 1 means that after the first cycle the images will be get from the cache and the transition between the images tend to be smoother

Events:

Event	Description
onLoad	This event is fired for each image loaded
onError	This event is fired every time when an image cannot be loaded.

Remarks

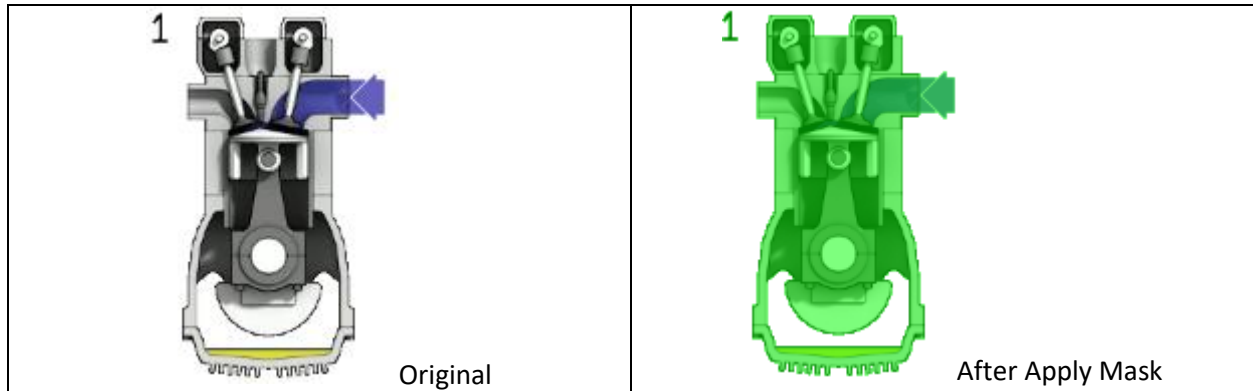
- The usage of the index property together with the transitionPeriod is not allowed yet.

Building a ImageList

Property	Value
Index	0
imageFiles	"1"
transitionPeriod	0
errorImage	""
stretchImage	0
basePath	"./engine/"
maskColor	"0,255,0"
maskCoveredColor	""

maskTolerance	0
enableCache	0

The graphical representation of the ImageList described in the previous example should look like the following picture:



Remarks:

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Map of Revisions

Revision	Date	Author	Description
A	February 24 th , 2017	Vicente Teodoro	Initial Revision