

AEM ACS COMMONS Solutions

AXAMIT FAST DEVELOPING GROUP

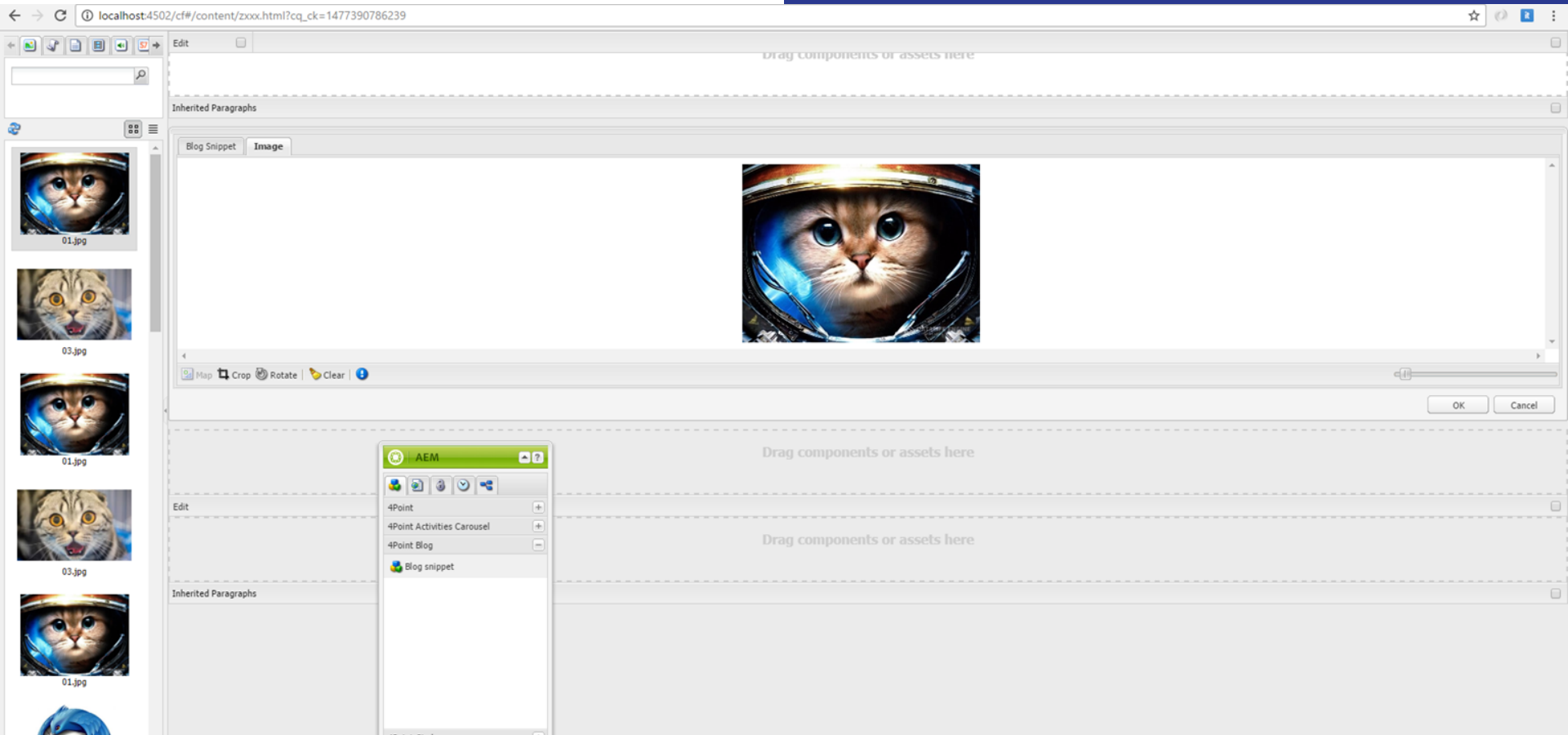
Named Transform Image Servlet

Purpose

Many web-sites' designs demands consistency of images based on their use within components. For example, a panoramic spotlight may demand the image be 960 x 400, and bio picture must be 100 x 100 and greyscale.

The ACS AEM Commons Named Transform Image Servlet allows specific image transforms to be defined centrally via OSGi configurations. These image transforms can be easily invoked via parameterized HTTP GET requests to image resources in AEM.

HTML5SMARTIMAGE



- JSP templating

This library of foundation components can be used or extended by other libraries.

EXTJS VS MATCHING GRANITE UI COMPONENTS

When upgrading ExtJS code to use the Granite UI, the following list provides a convenient overview of ExtJS xtypes and node types with their equivalent Granite UI resource types.

ExtJS xtype	Granite UI resource type
button	granite/ui/components/foundation/form/button
checkbox	granite/ui/components/foundation/form/checkbox
componentstyles	cq/gui/components/authoring/dialog/componentstyles
cqinclude	granite/ui/components/foundation/include
datetime	granite/ui/components/foundation/form/datePicker
dialogfieldset	granite/ui/components/foundation/form/fieldset
hidden	granite/ui/components/foundation/form/hidden
html5smartfile, html5smartimage	granite/ui/components/foundation/form/fileupload
multifield	granite/ui/components/foundation/form/multifield
numberfield	granite/ui/components/foundation/form/numberfield
pathfield, paragraphreference	granite/ui/components/foundation/form/pathbrowser
selection	granite/ui/components/foundation/form/select
sizefield	cq/gui/components/authoring/dialog/sizefield
tags	granite/ui/components/foundation/form/autocomplete cq/gui/components/common/datasources/tags
textarea	granite/ui/components/foundation/form/textarea
textfield	granite/ui/components/foundation/form/textfield

Node type	Granite UI resource type
cq.WidgetCollection	granite/ui/components/foundation/container
cq.TabPanel	granite/ui/components/foundation/container granite/ui/components/foundation/layouts/tabs
cq.panel	granite/ui/components/foundation/container

Was this helpful?

☐ Yes ☐ No

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Any questions?

Have a question about this or any other AEM topic? [Ask our Community](#).
Learn more about AEM topics on [our help hub](#).

localhost:4502/editor.html/content/zxxx.html?cq_ck=1477390786239

AssetsComponents

Enter keyword(s)

Enter path

Images

Select Tag(s)

Publish status



ZXC

Drag components here

BLOG SNIPPETIMAGE



Clear

ED

GRANITE UI
FILEUPLOAD

Drag components here

Drag components here

Inherited Paragraph System

Previous topic

[FieldSet](#)

Next topic

[Hidden](#)

This Page

[Show Source](#)

Quick search

Enter search terms or a module, class or function name.

FileUpload

`/libs/granite/ui/components/foundation/form/fileupload`

A field component to upload file.

It has the following content structure:

`[granite:FormFileUpload]`

- **id** (string)

The id attribute.

- **rel** (string)

The class attribute. This is used to indicate the semantic relationship of the component similar to `rel` attribute.

- **class** (string)

The class attribute.

- **title** (string)

`i18n`

The title attribute.

ROTATE ?

CROP ??

404

smart

API Documentation

- API Documentation
 - CQ
 - Ext
 - layout
 - collab
 - dam
 - form
 - rte
 - SmartFile
 - SmartImage
 - html5
 - form
 - SmartFile
 - SmartImage
 - themes
 - SmartFile
 - SmartImage
 - wcm
 - msm

API Home

SmartImage

border : boolean	Panel
True to display the borders of the panel's body element, false to hide them (defaults to true). By default, the borde...	
boxMaxHeight : Number	BoxComponent
The maximum value in pixels which this BoxComponent will set its height to. Warning: This will override any size mana...	
boxMaxWidth : Number	BoxComponent
The maximum value in pixels which this BoxComponent will set its width to. Warning: This will override any size manag...	
boxMinHeight : Number	BoxComponent
The minimum value in pixels which this BoxComponent will set its height to. Warning: This will override any size mana...	
boxMinWidth : Number	BoxComponent
The minimum value in pixels which this BoxComponent will set its width to. Warning: This will override any size manag...	
bubbleEvents : Array	Component
An array of events that, when fired, should be bubbled to any parent container. See CQ.Ext.util.Observable.enableBubb...	
bufferResize : Boolean/Number	Container
When set to true (50 milliseconds) or a number of milliseconds, the layout assigned for this container will buffer th...	
buttonAlign : String	Panel
The alignment of any buttons added to this panel. Valid values are 'right', 'left' and 'center' (defaults to 'right').	
buttons : Array	Panel
buttons will be used as items for the toolbar in the footer (fbar). Typically the value of this configuration propert...	
bwrapCfg : Object	Panel
A DomHelper element specification object specifying the element structure of this Panel's bwrap Element. See bodyCfg ...	
clearCls : String	Component
The CSS class used to to apply to the special clearing div rendered directly after each form field wrapper to provide...	
closable : Boolean	Panel
Panels themselves do not directly support being closed, but some Panel subclasses do (like CQ.Ext.Window) or a Panel ...	
cls : String	Component

CROP
ROTATE
200

Cq-dialog

./imageCrop

./imageRotate

Mapping **fields of touchUI CQ-DIALOG** to
classicUI DIALOG properties

=

Get same result

```
<size
  jcr:primaryType="nt:unstructured"
  sling:resourceType="cq/gui/components/authoring/dialog/sizefield"
  fieldLabel="Size (px)">
  <width
    jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/foundation/form/numberfield"
    emptyText="Width"
    min="{Long}0"
```

```
    name="./image/width" />
```

```
  <height
    jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/foundation/form/numberfield"
    emptyText="Height"
    min="{Long}0"
```

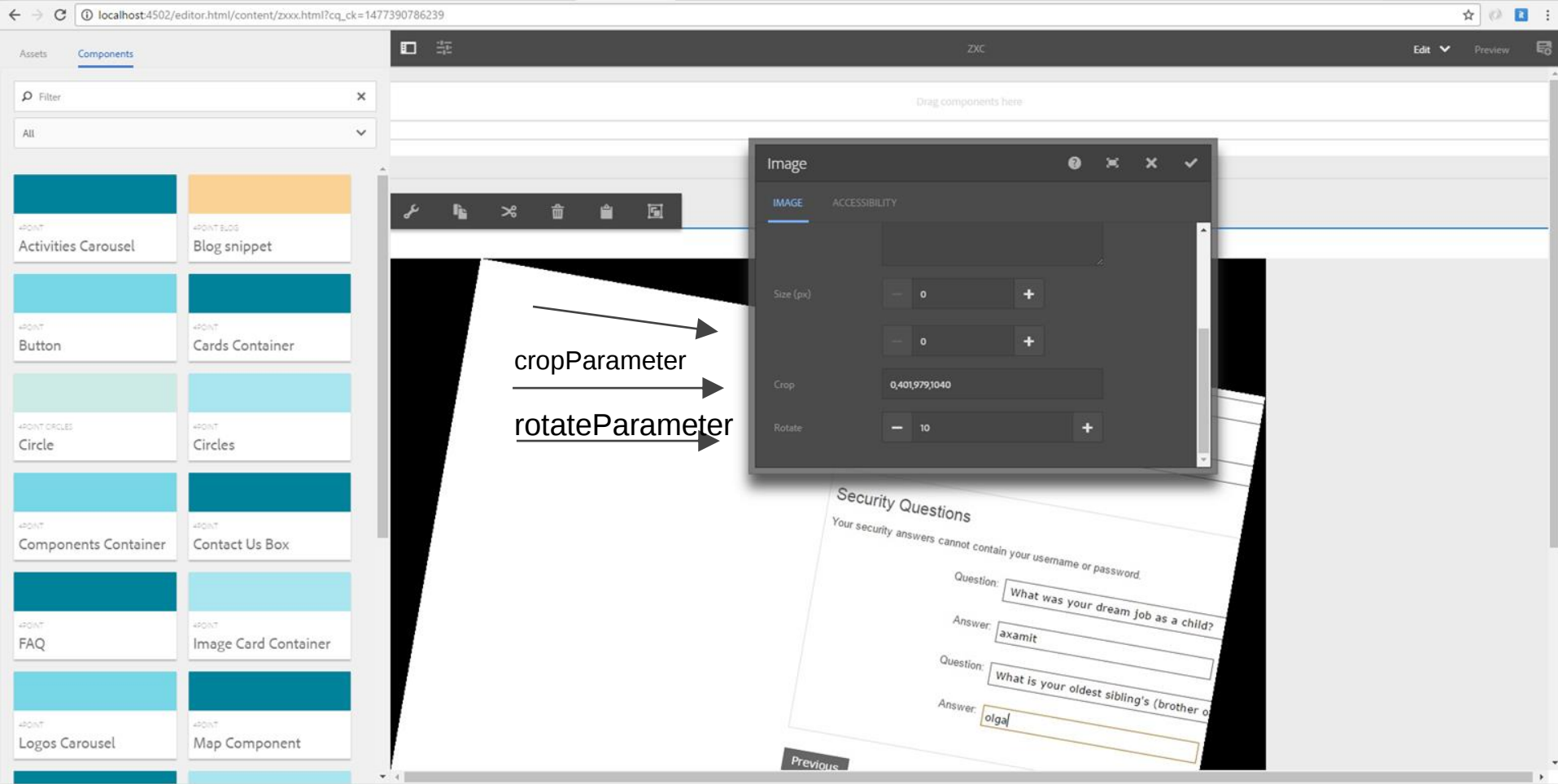
```
    name="./image/height" />
```

```
</size>
  <crop
    jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/foundation/form/textfield"
    fieldLabel="Crop"
```

```
    name="./image/imageCrop" />
```

```
  <rotate
    jcr:primaryType="nt:unstructured"
    sling:resourceType="granite/ui/components/foundation/form/numberfield"
    fieldLabel="Rotate"
    min="{Long}0"
```

```
    name="./image/imageRotate" />
```



← → ↻

localhost:4502/assets.html/content/dam/geometrix-media/ads

☆ ↻ ⓘ ⋮

Adobe Marketing Cloud

⋮ < Ads

Help ⓘ 👤

🔍 Experience Manager

🔍 Search ⌚ Timeline ⚙️ References ✓ Select ⬆️ Upload Assets 📁 Create Folder

🗃️ Collections 🔍 Catalogs 📄 Card View

Projects

Sites

Apps

Publications

Forms

Assets

Screens

Personalization >

Communities >

Commerce >

Tools >



Fremont Bikes.
Move with
pu



fremont_ad.png

IMAGE

300 x 250 38.4 KB

✎ 3 years ago

CHANGES ORIGINAL IMAGE



Change URL

STEP 1

URL + “.transform”

- add the `.transform` extension (append this even if the resource is named with an extension; like a DAM asset)

STEP 2

+ “/conf1name/”

- Add an initial suffix segment that matches your transform name (Ex. `/my-transform`)

STEP 3

+ “Image.jpg”

- Add a final suffix segment of `/image.<image-format-extension>` OR `/img.<image-format-extension>`

HTTP GET `/content/acme/article.transform/feature/image.png`

`http://localhost:4502/content/geometrixx-outdoors/en/men/coats/edmonton-winter.transform/my-transform/img.png`

Image component resources

HTTP GET `/content/acme/article/_jcr_content/image.transform/feature/image.png`

`http://localhost:4502/.../fulani-nomad/jcr:content/image.transform/my-transform/img.png`

DAM Assets (`dam:Asset`)

HTTP GET `/content/dam/images/dog.jpg.transform/feature/image.jpg`

DAM Asset Renditions

HTTP GET `/content/dam/images/dog.jpg/jcr:content/renditions/thumbnail.jpg.transform/feature/image.jpg`

`cq5dam.thumbnail.319.319.png.transform/my-transform/img.jpg`

“Raw” Binary Images (`nt:file` or `nt:resource`)

Greyscale

Converts the image to greyscale.

Resize

Resizes the image to the specified width and/or height.

Rotate

Rotates the image.

Crop

Crops the image to the specified bounds.

Adjust Brightness/Contrast

Adjusts the brightness and contrast of the image.

Multiply Blend (v.1.8.0+)

`multiply:alpha=.75&color=3366FF`

Red/Green/Blue Shift (v.1.8.0+)

`rgb-shift:red=.5&green=.25&blue=-.60`

Quality (v.1.9.0+)

`quality:quality=75`

Scale (v.2.1.0+)

`scale:scale=.75`

Letter/Pillar Box (v.2.1.0+)

`brightness=[-255 .. 255]` (dark to light)

`contrast=[positive float]` (1.0 does not change contrast. < 1.0 lower contrast. > 1.0 enhance contrast.)

File Explorer view showing the project structure:

- /
- apps
 - acs-commons
 - authoring
 - components
 - config
 - myconfig1
 - put-your-configs-here.txt
 - datasources
 - extensions
 - granite
 - install
 - rte-plugins
 - sightly
 - templates
 - touchui-widgets
 - widgets
 - commerce
 - community-components

Home

CRXDE | Lite

Content

Properties Access Control Replication Console

	Name	Type	Value	Protected	Mandatory
1	jcr:created	Date	201...	true	false
2	jcr:createdBy	String	admin	true	false
3	jcr:primaryType	Name	slin...	true	true
4	name	String	my-...	false	false
5	transforms	String[]	resi...	false	false

Name Type Value Multi ☐ Add

http://localhost:4502/content/dam/geometrixx-outdoors/brand/team/brand_2_c04.jpg



ACS AEM Commons - Named Image Transformer Factory

Instances of this factory define registered Named Image transformers which are comprised of ordered, parameter-sized image transformers.

Transform	my-transform
Name	Name of Transform. (name)
Image	letter-pillar-box:width=1000&height=500&alpha=.65&color=FFFF00
Transformers	multiply:alpha=.75&red=51&green=102&blue=255

Transform in the format [image-transformer-type:key1=val1&key2=val2] Order of transform rules dictates order of application. (transform)

Configuration Information

Persistent Identity (PID)	com.adobe.acs.commons.images.impl.NamedImageTransformer
Factory Persistent Identifier (Factory PID)	com.adobe.acs.commons.images.impl.NamedImageTransformerFactory
Configuration Binding	{crinstall:/apps/acs-commons/install/acs-aem-commons}
	ACS AEM Commons Bundle (com.adobe.acs.acs-aem-commons)

brand_2_c04.jpg.transform/my-transform/img.jpg

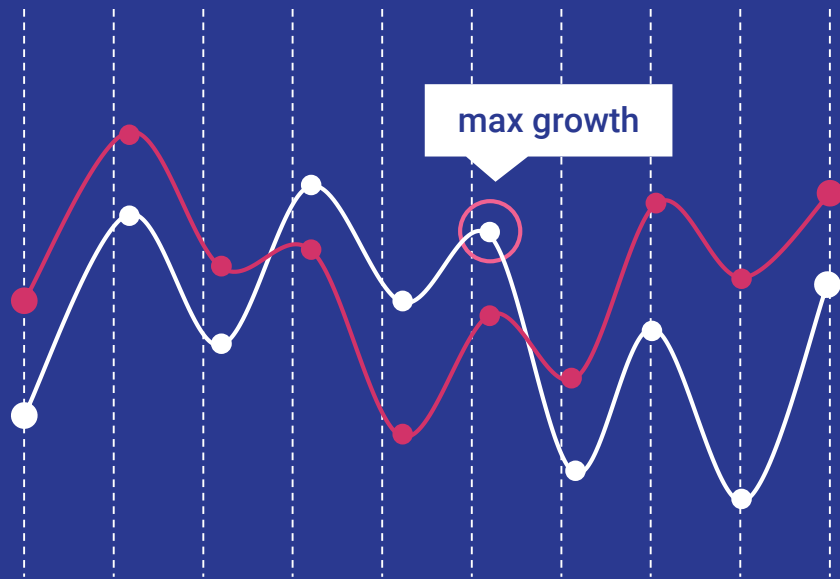


Also we can use several configurations at same time:

..... .transform/conf1/.../conf2/img.jpg

но эта штука настраивается
цифрами через OSGI, что
нормально админу или
разработчику
а вот авторам нужны
визуальные инструменты

Можно использовать ее в
качестве бекенда, но
визуализацию нужно делать
самому



SPASIBO
ZA
VNIMANIE

