



Adobe Graphics Server Command Quick Reference

Version 2.0



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Adobe® Graphics Server 2.0 Command Quick Reference for Solaris™ and Windows™

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AGS Command Summary

Quick Reference Conventions

- When an attribute can have one of several values, the possible values are shown within quotes, separated by an OR (|) character. If the attribute is optional, the default value is shown in bold. For example, the `type` attribute allows you to specify one of two specific values, of which `pixel` is the default value:

```
type="pixel | text"
```

- A few command attributes allow you to specify multiple options separated by spaces. In this case, all possible options are shown. For example, the `embedMetadata` attribute of `saveOptimized` allows you to specify none, all, or some of the metadata formats:

```
embedMetadata="xmp exif iptc"
```

- Placeholders for values you must supply are shown in italics. For example, *contentName* is the placeholder for the actual name of stored content for an `in` or `out` attribute:

```
in="contentName"
```

- The value *n* indicates an integer value that you can supply. For example:

```
pagenum="n | last"
```

- Optional and required attributes are indicated with (O) and (R), respectively. For example:

```
<autoContrast  
  in="contentName"                (O)  
  target="XpathToPSDLayer"        (R)  
  out="contentName" />           (O)
```

AGS Commands Quick Reference

addLayer

```
<addLayer
  in="contentName" (O)
  out="contentName" (O)
  type="pixel|text" (O)
  position="above|below" (O)
  layer="XPathLocation" (O)
  name="newlayername" /> (O)
```

Input content type: Raster

Output content type: Raster

appendMetadata

```
<appendMetadata
  in="contentName" (O)
  out="contentName" (O)
  namespace="fullNamespacePath" (R)
  path="before|after structuredContainerPropertyNameAndItem" (R)
  value="itemValue" /> (R)
```

Input content type: Raster, SVG, PDF

Output content type: Raster, SVG, PDF

applyClipPath

```
<applyClipPath
  in="contentName" (O)
  out="contentName" (O)
  target="XPathToLayer" (R)
  clipPath="retain|discard" /> (O)
```

Input content type: Raster

Output content type: Raster

applyVariables

```
<applyVariables
  in="contentName" (O)
  out="contentName" (O)
  data="XMLdataContentName" /> (O)
```

Input content type: Raster, SVG and XML for data

Output content type: Raster, SVG

assignProfile

assignProfile

```
<assignProfile
  in="contentName" (O)
  out="contentName" (O)
  profile="none | sRGB | ICCcolorProfileURI" /> (R)
```

Input content type: Raster

Output content type: Raster

autoContrast

```
<autoContrast
  in="contentName" (O)
  out="contentName" (O)
  target="XpathToPSDLayer" /> (R)
```

Input content type: Raster (RGB only)

Output content type: Raster

autoLevels

```
<autoLevels
  in="contentName" (O)
  out="contentName" (O)
  target="XpathToPSDLayer" /> (R)
```

Input content type: Raster (RGB only)

Output content type: Raster

canvasSize

```
<canvasSize
  in="contentName" (O)
  out="contentName" (O)
  width="1-30000" (O)
  height="1-30000" (O)
  align="left|center|right" (O)
  valign="top|middle|bottom" /> (O)
```

Input content type: Raster

Output content type: Raster

canvasSizeRelative

```

<canvasSizeRelative
  in="contentName" (O)
  out="contentName" (O)
  width="-30000 to +30000" (O)
  height="-30000 to +30000" (O)
  align="left|center|right" (O)
  valign="top|middle|bottom" /> (O)

```

Input content type: Raster

Output content type: Raster

commands

This is not a command, but the element tag that encloses all AGS commands in a command file.

```

<commands
  resultLocation="directory_URI" (O)
  resultOverwrite="true|false" (O)
  errorBehavior="stop|continue|stopOnWarning"> (O)
    ...AGS XML commands...
</commands>

```

convertPDFToRaster

```

<convertPDFToRaster
  in="contentName" (O)
  out="contentName" (O)
  page="1-n" (O)
  cropBox="rect(btm_x,btm_y,top_x,top_y)" (O)
  resolution="numdpi|dpc" (default 96dpi) (O)
  renderFor="print|screen" (O)
  colorSpace="DeviceRGB|DeviceCMYK|sRGB|ICCcolorProfileURI|none" (O)
  renderIntent="relativeColorimetric|absoluteColorimetric|
    perceptual|saturation" /> (O)

```

Input content type: PDF

Output content type: Raster

convertProfile

convertProfile

```
<convertProfile
  in="contentName" (O)
  out="contentName" (O)
  outProfile="sRGB|ICCcolorProfileURI" (R)
  renderIntent="relativeColorimetric|absoluteColorimetric|
    perceptual|saturation" (O)
  defaultInProfile="ICCcolorProfileURI" /> (O)
```

Input content type: Raster

Output content type: Raster

convertPSToRaster

```
<convertPSToRaster
  in="contentName" (O)
  out="contentName" (O)
  page="1-n" (O)
  options="URI|eBook|Print|Press|Screen" (O)
  resolution=numdpi|dpc" (default 96dpi) (O)
  colorSpace="DeviceRGB|DeviceCMYK|sRGB|ICCcolorProfileURI|none" (O)
  renderIntent="relativeColorimetric|absoluteColorimetric|
    perceptual|saturation" /> (O)
```

Input content type: PostScript

Output content type: Raster

convertRasterToEPS

```
<convertRasterToEPS
  in="contentName" (O)
  out="contentName" /> (O)
```

Input content type: Raster

Output content type: PostScript

convertRasterToPDF

```
<convertRasterToPDF
  in="contentName" (O)
  out="contentName" /> (O)
```

Input content type: Raster

Output content type: PDF

convertSVGToPDF

```

<convertSVGToPDF
  in="contentName" (O)
  out="contentName" (O)
  pageSize="wd_unit, ht_unit" * (O)
  userUnit="num|num_unit" (real number or x/y,default 1/96in) (O)
  resolution="numdpi|dpc" (default 96dpi) /> (O)

```

* Default if SVG width and height are expressed as percentages: "8.5in, 11in"

Allowed userUnit units are: px|in|pt|pc|mm|cm

Input content type: Raster

Output content type: PostScript

convertSVGToRaster

```

<convertSVGToRaster
  in="contentName" (O)
  out="contentName" /> (O)

```

Input content type: SVG

Output content type: Raster

convertTo

```

<convertTo
  in="contentName" (O)
  out="contentName" (O)
  type="image/x-photoshop|image/tiff" /> (R)

```

Input content type: Raster, SVG

Output content type: Raster

createMetadata

```

<createMetadata
  in="contentName" (O)
  out="contentName" (O)
  namespace="fullNamespacePath" (R)
  path="newStructuredPropertyName" (R)
  value="firstItemValue" (R)
  type="bag|alternative|sequence" /> (R)

```

Input content type: Raster, SVG, PDF

Output content type: Raster, SVG, PDF

crop

crop

```
<crop
  in="contentName" (O)
  out="contentName" (O)
  x="-30000 to 30000" (R)
  y="-30000 to 30000" (R)
  width="1 to 30000" (R)
  height="1 to 30000" /> (R)
```

Input content type: Raster

Output content type: Raster

deleteLayer

```
<deleteLayer
  in="contentName" (O)
  out="contentName" (O)
  layer="XPathToLayer" /> (R)
```

Input content type: Raster

Output content type: Raster

exportMetadata

```
<exportMetadata
  in="contentName" (O)
  out="contentName" /> (O)
```

Input content type: Raster, SVG, PDF

Output content type: XMP

flatten

```
<flatten
  in="contentName" (O)
  out="contentName" /> (O)
```

Input content type: Raster

Output content type: Raster

flip

```
<flip
  in="contentName" (O)
  out="contentName" (O)
  direction="horizontal|vertical" /> (R)
```

Input content type: Raster

Output content type: Raster

imageInfo

```

<imageInfo
  in="contentName" (O)
  out="contentName" /> (O)

```

Input content type: Raster

Output content type: XML

imageSize

```

<imageSize
  in="contentName" (O)
  out="contentName" (O)
  height="numPixels" (O)
  width="numPixels" (O)
  documentHeight="numin|mm|cm|pt|pc|%" (O)
  documentWidth="numin|mm|cm|pt|pc|%" (O)
  resolution="numdpi|dpc" (O)
  resampleImage="true|false" (O)
  constrainProportions="true|false" (O)
  scalePolicy="free|doNotEnlarge|doNotShrink" /> (O)

```

Input content type: Raster

Output content type: Raster

importMetadata

```

<importMetadata
  in="contentName" (O)
  out="contentName" (O)
  source="XMPcontentName" /> (*)

```

— or —

```

<importMetadata
  in="contentName" (O)
  out="contentName"> (O)
  ..XML Packet... (*)
</importMetadata>

```

* Either source or the inline data is required.

Input content type: Raster, SVG, PDF, and XMP

Output content type: Raster, SVG, PDF

info

info

```
<info
  out="contentName" /> (O)
```

Input content type: not applicable

Output content type: XML

loadContent

```
<loadContent
  source="fileURI|name_of_file_passed_in_request" (*)
  out="contentName" /> (O)
```

— or —

```
<loadContent
  out="contentName"> (O)
  ..XML or SVG data... (*)
</loadContent>
```

* One of source or inline data is required.

Input File Formats: PSD, TIFF, GIF, PNG, JPEG, SVG,
PDF, PostScript[®], EPS,
XML, XMP

Output Content Type: Raster, SVG,
PDF, PostScript,
XML, XMP

optimizeToSize

```
<optimizeToSize
  in="contentName" (O)
  out="contentName" (O)
  fileSize="n_unit" * (R)
  autoSelectFormat="true|false" /> (O)
```

* *unit* is optional, bytes if unspecified, can be *k* (kilobytes) or *m* (megabytes)

Input content type: Raster (RGB only)

Output content type: Raster

registerMetadataNamespace

```

<registerMetadataNamespace
  namespace="fullNamespaceURI" (R)
  prefix="namespacePrefix" /> (R)

```

removeMetadata

```

<removeMetadata
  in="contentName" (O)
  out="contentName" (O)
  namespace="fullNamespace" (*)
  path="propertyNameorItem" /> (O)

```

*Optional, but required if path is supplied.

Input content type: Raster, SVG, PDF

Output content type: Raster, SVG, PDF

replacePixels

```

<replacePixels
  in="contentName" (O)
  out="contentName" (O)
  target="XPathToLayer" (R)
  source="Raster_or_SVGContentName" (R)
  constrainProportions="true|false" (O)
  scalePolicy="free|doNotEnlarge|doNotShrink|doNotScale" (O)
  align="left|center|right" (O)
  valign="top|middle|bottom" (O)
  colorConversionRule="alwaysConvert|limitConversion" /> (O)

```

Input content type: Raster and Raster or SVG for source

Output content type: Raster

replaceText

```

<replaceText
  in="contentName" (O)
  out="contentName" (O)
  target="XPathToLayer" (R)
  text="new text string" (R)
  textToReplace="string to be replaced" /> (default is all text) (O)

```

Input content type: Raster

Output content type: Raster

rotate

rotate

```
<rotate
  in="contentName" (O)
  out="contentName" (O)
  angle="numDegrees" />* (R)
```

* Can be an integer or real number. Positive values rotate clockwise.

Input content type: Raster

Output content type: Raster

saveContent

```
<saveContent
  in="contentName" (O)
  out="contentName" (O)
  name="fileNameOrURI" (R)
  appendExtension="true|false" /> (O)
```

Input Content Type: Raster, SVG,
PDF, PostScript,
XML, XMP

Output File Format: PSD, TIFF, SVG,
PDF, PS, EPS,
XML, XMP

Output Content Type: Raster, SVG,
PDF, PostScript,
XML, XMP

saveOptimized

```
<saveOptimized
  in="contentName" (O)
  out="contentName" (O)
  name="optimizedFileName" (R)
  appendExtension="true|false" (O)
  metadata="xmp exif iptc" /> (O)
```

Input Content Type: Raster (RGB only), SVG, PDF

Output File Format: GIF, JPEG, PNG8/24, WBMP,
Fast Web View PDF

Output Content Type: Raster, SVG, PDF

set

```

<set
  in="contentName" (O)
  out="contentName" (O)
  target="XPath" (R)
  value="value" /> (O)

```

— or —

```

<set
  in="contentName" (O)
  out="contentName" (O)
  target="XPath"> (R)
  <newElement ...>...</newElement> (O)
</set>

```

Input content type: Raster, SVG, XML

Output content type: Raster, SVG, XML

setFileFormat

```

<setFormField
  in="contentName" (O)
  out="contentName"> (O)
  format="psd|tiff" /> (R)

```

Input content type: Raster

Output content type: Raster

setLayerPosition

```

<setLayerPosition
  in="contentName" (O)
  out="contentName" (O)
  layer="XPathToLayer" (R)
  x="-30000to 30000" (R)
  horizontalBase="leftEdge|rightEdge|center|currentPosition" (R)
  y="-30000to 30000" (R)
  verticalBase="topEdge|bottomEdge|center|currentPosition" /> (R)

```

Input content type: Raster

Output content type: Raster

setMetadata

setMetadata

```
<setMetadata
  in="contentName" (O)
  out="contentName" (O)
  namespace="fullNamespace" (R)
  path="propertyNameOrItem" (R)
  value="newPropertyValue" /> (R)
```

Input content type: Raster, SVG, PDF

Output content type: Raster, SVG, PDF

trim

```
<trim
  in="contentName" (O)
  out="contentName" (O)
  basedOn="transparency|topLeft|topRight|bottomLeft|bottomRight" (O)
  left="true|false" (O)
  top="true|false" (O)
  right="true|false" (O)
  bottom="true|false" /> (O)
```

Input content type: Raster (RGB only)

Output content type: Raster

unsharpMask

```
<unsharpMask
  in="contentName" (O)
  out="contentName" (O)
  target="XPathToLayer" (R)
  threshold="0-255" (O)
  radius="0.1-250.0" (O)
  amount="1-500" /> (O)
```

Input content type: Raster (RGB only)

Output content type: Raster

version

```
<version
  out="contentName" /> (O)
```

Input content type: not applicable

Output content type: XML