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# Image Views

User Experience: Windows & Views



2002-11-12



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# Contents

**Introduction to Image Views 5**

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Organization of This Document 5

**Using an Image View to Specify an Image 7**

---

**Setting an Image View's Appearance 9**

---

**Document Revision History 11**

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# Introduction to Image Views

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An image view displays a single image in a frame, and can optionally allow a user to drag an image to it.

Note that an image view performs its action only when a user drags an image to it. To perform an action when a user clicks an image, use a button For more information, see Buttons.

## Organization of This Document

[“Setting an Image View’s Appearance”](#) (page 9) describes how to change the appearance of the image view’s image and frame. [“Using an Image View to Specify an Image”](#) (page 7) describes how to use an image view as an image well.



# Using an Image View to Specify an Image

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You can use an image view as an image well, which lets a user specify an image by dragging an image to it. Just use `setEditable:` with an argument of `YES`. When the user drags an image to the image view, the image view replaces its old image and sends its action message to its target.

If you don't want to use the image view as an image well, use `setEditable:` with an argument of `NO`.





# Setting an Image View's Appearance

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To set the image, use `setImage:`.

To set the frame style, use `setImageFrameStyle:` with one of these arguments:

- `NSImageFrameNone` shows an invisible frame
- `NSImageFramePhoto` shows a thin black outline and a dropped shadow
- `NSImageFrameGrayBezel` shows a gray, concave bezel that makes the image look sunken
- `NSImageFrameGroove` shows a thin groove that looks etched around the image
- `NSImageFrameButton` shows a convex bezel that makes the image stand out in relief, like a button

To choose how the image is scaled within its frame, use `setImageScaling:` with one of these arguments:

- `NSScaleProportionally`. If the image is too large, it shrinks to fit inside the frame. If the image is too small, it expands. The proportions of the image are preserved.
- `NSScaleToFit`. The image shrinks or expands, and its proportions distort, until it exactly fits the frame.
- `NSScaleNone`. The size and proportions of the image don't change. If the frame is too small to display the whole image, the edges of the image are trimmed off.

To choose how the image is aligned within its frame, use `setImageAlignment:` with one of these arguments:

- `NSImageAlignLeft`
- `NSImageAlignRight`
- `NSImageAlignCenter`
- `NSImageAlignTop`
- `NSImageAlignBottom`
- `NSImageAlignTopLeft`
- `NSImageAlignTopRight`
- `NSImageAlignBottomLeft`
- `NSImageAlignBottomRight`



# Document Revision History

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This table describes the changes to *Image Views*.

Date	Notes
2002-11-12	Revision history was added to existing topic. It will be used to record changes to the content of the topic.

