

NAME

grap2graph - convert a grap diagram into a cropped bitmap image

SYNOPSIS

grap2graph [**-unsafe**] [**-resolution** M|MxN] [**-format** fmt]

DESCRIPTION

Reads a grap program as input; produces an image file (by default in Portable Network Graphics format) suitable for the Web as output. For a description of the grap language, see **grap(1)**.

Your graph specification should *not* be wrapped with the .G1 and .G2 macros that normally guard it within **groff(1)** macros.

The output image will be a black-on-white graphic clipped to the smallest possible bounding box that contains all the black pixels. By specifying command-line options to be passed to **convert(1)** you can give it a border, set the background transparent, set the image's pixel density, or perform other useful transformations.

This program uses **grap(1)**, **pic(1)**, **groff(1)**, and the ImageMagick **convert(1)** program. These programs must be installed on your system and accessible on your \$PATH for **grap2graph** to work.

OPTIONS**-unsafe**

Run **pic(1)** and **groff(1)** in the 'unsafe' mode enabling the PIC macro **sh** to execute arbitrary commands. The default is to forbid this.

-format **fmt**

Specify an output format; the default is PNG (Portable Network Graphics). Any format that **convert(1)** can emit is supported.

Command-line switches and arguments not listed above are passed to **convert(1)**.

ENVIRONMENT**GROFF_TMPDIR**

The directory in which temporary files will be created. If this is not set **grap2graph** searches the environment variables **TMPDIR**, **TMP**, and **TEMP** (in that order). Otherwise, temporary files will be created in **/tmp**.

SEE ALSO

pic2graph(1), **eqn2graph(1)**, **pic(1)**, **groff(1)**, **gs(1)**, **convert(1)**.

COPYING

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AUTHORS

This document was written by **Eric S Raymond**.