



Linux Ubuntu 26.04 Manual Pages on command 'gprofng-display-gmon.1'

\$ man gprofng-display-gmon.1

GPROFNG-DISPLAY-GMON(1) User Commands GPROFNG-DISPLAY-GMON(1)

NAME

gprofng-display-gmon - Convert a gmon profile data to a gprofng experiment

SYNOPSIS

gprofng display gmon [option(s)] [target [gmon-file]]

DESCRIPTION

Reads the gmon.out file and the profiled executable. With the executable, we can reconstruct information about the profiled symbols and the memory map layout. The gmon.out file provides details about the execution duration for each symbol, as well as data used to build the call graph. The profile data is taken from the call graph profile file (gmon.out default) which is created by programs that are compiled with profile arches (i.e., the -pg option of "cc").

For example, this command converts the profile data (gmon.out) for an executable called a.out and stores the data collected in an experiment directory with the name example.er.

```
$ gprofng display gmon -o example.er ./a.out gmon.out
```

OPTIONS

--version

Print the version number and exit.

--help

Print usage information and exit.

-o <exp_name>

Specify the name for the experiment directory. The name has to end with .er and may contain an absolute path (e.g. /tmp/experiment.er). An existing experiment with the

same name will not be overwritten.

`-O <exp_name>`

This is the same as the `-o` option, but unlike this option, silently overwrites an existing experiment directory with the same name.

NOTES

Any executable in the ELF (Executable and Linkable Format) object format can be used for profiling with `gprofng`. If target is missing, the default executable name is `a.out`. If `gmon-file` is missing, the default profile data file name is `gmon.out`.

SEE ALSO

`gprofng(1)`, `gprofng-archive(1)`, `gprofng-display-html(1)`, `gprofng-display-src(1)`,
`gprofng-display-text(1)`

The user guide for `gprofng` is maintained as a Texinfo manual. If the `info` and `gprofng` programs are correctly installed, the command `info gprofng` should give access to this document.

COPYRIGHT

Copyright (c) 2025-2026 Free Software Foundation, Inc.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, with no Front-Cover Texts, and with no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

binutils-2.46

2026-03-15

GPROFNG-DISPLAY-GMON(1)