

NAME

`gcore` – Generate a core file of a running program

SYNOPSIS

`gcore` [-a] [-o *prefix*] *pid1* [*pid2*...*pidN*]

DESCRIPTION

Generate core dumps of one or more running programs with process IDs *pid1*, *pid2*, etc. A core file produced by **gcore** is equivalent to one produced by the kernel when the process crashes (and when `ulimit -c` was used to set up an appropriate core dump limit). However, unlike after a crash, after **gcore** finishes its job the program remains running without any change.

OPTIONS

-a Dump all memory mappings. The actual effect of this option depends on the Operating System. On GNU/Linux, it will disable `use-coredump-filter` and enable `dump-excluded-mappings`.

-o *prefix*

The optional argument *prefix* specifies the prefix to be used when composing the file names of the core dumps. The file name is composed as *prefix.pid*, where *pid* is the process ID of the running program being analyzed by **gcore**. If not specified, *prefix* defaults to *gcore*.

SEE ALSO

The full documentation for GDB is maintained as a Texinfo manual. If the `info` and `gdb` programs and GDB's Texinfo documentation are properly installed at your site, the command

```
info gdb
```

should give you access to the complete manual.

Using GDB: A Guide to the GNU Source-Level Debugger, Richard M. Stallman and Roland H. Pesch, July 1991.

COPYRIGHT

Copyright (c) 1988–2020 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 the Invariant Sections being “Free Software” and “Free Software Needs Free Documentation”, with the Front-Cover Texts being “A GNU Manual,” and with the Back-Cover Texts as in (a) below.

(a) The FSF's Back-Cover Text is: “You are free to copy and modify this GNU Manual. Buying copies from GNU Press supports the FSF in developing GNU and promoting software freedom.”