

# Debugging a multithreaded program; ↩ Debugging a multithreaded program

[arrow.eps](#) ↩ Use the `gdb` command `thread-list` to obtain information about all of the threads running in the program.

[arrow.eps](#) ↩ Use the `thread-select` command to switch to a different thread.

A single program may have more than one thread of execution. A *thread* is an executable unit that has its own stack and is capable of independent I/O, but shares the address space of the other threads in a *task*.

`gdb` allows you to observe all threads while your program runs, but whenever `gdb` takes control, one thread in particular is always the focus of debugging. This thread is called the current thread. Debugging commands show program information from the perspective of the current thread. If you want to change to a different thread, use the `thread-select` command (passing it the thread number, which is displayed in the first column of the `thread-list` output).