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***Rocky Enterprise Linux 9.2 Manual Pages on command 'gdb-add-index.1'***

**\$ man gdb-add-index.1**

GDB-ADD-INDEX(1) GNU Development Tools GDB-ADD-INDEX(1)

**NAME**

gdb-add-index - Add index files to speed up GDB

**SYNOPSIS**

gdb-add-index filename

**DESCRIPTION**

When GDB finds a symbol file, it scans the symbols in the file in order to construct an internal symbol table. This lets most GDB operations work quickly--at the cost of a delay early on. For large programs, this delay can be quite lengthy, so GDB provides a way to build an index, which speeds up startup.

To determine whether a file contains such an index, use the command "readelf -S filename": the index is stored in a section named ".gdb\_index". The index file can only be produced on systems which use ELF binaries and DWARF debug information (i.e., sections named ".debug\_\*").

gdb-add-index uses GDB and objdump found in the PATH environment variable. If you want to use different versions of these programs, you can specify them through the GDB and OBJDUMP environment variables.

See more in the GDB manual in node "Index Files" -- shell command "info -f gdb -n "Index Files"".

**OPTIONS**

**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.

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