

GDB - INSTALLATION

http://www.tutorialspoint.com/gnu_debugger/installing_gdb.htm

Copyright © tutorialspoint.com

Before you go for installation, check if you already have gdb installed on your Unix system by issuing the following command:

```
$gdb -help
```

If GDB is installed, then it will display all the available options within your GDB. If GDB is not installed, then proceed for a fresh installation.

You can install GDB on your system by following the simple steps discussed below.

step 1: Make sure you have the prerequisites for installing gdb:

- An ANSI-compliant C compiler *gcc is recommended – not that gdb can debug codes generated by other compilers*
- 115 MB of free disk space is required on the partition on which you're going to build gdb.
- 20 MB of free disk space is required on the partition on which you're going to install gdb.
- GNU's decompression program, **gzip**
- The **make** utility - the GNU version is known to work without a problem, others probably do as well.

step 2: Download the gdb source distribution from **<ftp.gnu.org/gnu/gdb>**. (We used **[gdb-6.6.tar.gz](#)** for these instructions.) Place the distribution files in your build directory.

step 3: In your build directory, decompress gdb-6.6.tar.gz and extract the source files from the archive. Once the files have finished extracting, change your working directory to the gdb-6.6 directory that was automatically created in your build directory.

```
$ build> gzip -d gdb-6.6.tar.gz
$ build> tar xfv gdb-6.6.tar
$ build> cd gdb-6.6
```

step 4: Run the configure script to configure the source tree for your platform.

```
$ gdb-6.6> ./configure
```

step 5: Build gdb using the **make** utility.

```
$ gdb-6.6> make
```

step 6: Login as root and install gdb using the following command.

```
$ gdb-6.6> make install
```

step 7: If required, disk space can be reclaimed by deleting the gdb build directory and the archive file after the installation is complete.

```
$ gdb-6.6> cd ..
$ build> rm -r gdb-6.6
$ build> rm gdb-6.6.tar
```

You now have gdb installed on your system and it is ready to use.

Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js