

**NAME**

size - list section sizes and total size.

**SYNOPSIS**

```
size [-A|-B|--format=compatibility] [--help] [-d|-o|-x|--radix=number] [--common] [-t|--totals]
[-target=bfdname] [-V|--version] [objfile...]
```

**DESCRIPTION**

The GNU **size** utility lists the section sizes---and the total size---for each of the object or archive files *objfile* in its argument list. By default, one line of output is generated for each object file or each module in an archive.

*objfile...* are the object files to be examined. If none are specified, the file **a.out** will be used.

**OPTIONS**

The command line options have the following meanings:

**-A**

**-B**

**--format=*compatibility***

Using one of these options, you can choose whether the output from GNU **size** resembles output from System V **size** (using **-A**, or **--format=sysv**), or Berkeley **size** (using **-B**, or **--format=berkeley**). The default is the one-line format similar to Berkeley's.

Here is an example of the Berkeley (default) format of output from **size**:

```
$ size --format=Berkeley ranlib size
text data bss dec hex filename
294880 81920 11592 388392 5ed28 ranlib
294880 81920 11888 388688 5ee50 size
```

This is the same data, but displayed closer to System V conventions:

```
$ size --format=SysV ranlib size
ranlib :
section size addr
.text 294880 8192
.data 81920 303104
.bss 11592 385024
Total 388392
```

```
size :
section size addr
.text 294880 8192
.data 81920 303104
.bss 11888 385024
Total 388688
```

**--help**

Show a summary of acceptable arguments and options.

**-d**

**-o**

**-x**

**--radix=*number***

Using one of these options, you can control whether the size of each section is given in decimal (**-d**, or **--radix=10**); octal (**-o**, or **--radix=8**); or hexadecimal (**-x**, or **--radix=16**). In **--radix=*number***, only the three values (8, 10, 16) are supported. The total size is always given in two radices; decimal and hexadecimal for **-d** or **-x** output, or octal and hexadecimal if you're using **-o**.

**--common**

Print total size of common symbols in each file. When using Berkeley format these are included in the bss size.

**-t****--totals**

Show totals of all objects listed (Berkeley format listing mode only).

**--target=*bfdname***

Specify that the object-code format for *objfile* is *bfdname*. This option may not be necessary; **size** can automatically recognize many formats.

**-V****--version**

Display the version number of **size**.

**@*file***

Read command-line options from *file*. The options read are inserted in place of the original @*file* option. If *file* does not exist, or cannot be read, then the option will be treated literally, and not removed.

Options in *file* are separated by whitespace. A whitespace character may be included in an option by surrounding the entire option in either single or double quotes. Any character (including a backslash) may be included by prefixing the character to be included with a backslash. The *file* may itself contain additional @*file* options; any such options will be processed recursively.

**SEE ALSO**

[ar\(1\)](#), [objdump\(1\)](#), [readelf\(1\)](#), and the Info entries for *binutils*.

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