

NAME

size – list section sizes and total size.

SYNOPSIS

```
size [-A|-B|--format=compatibility]  
      [--help]  
      [-d|-o|-x|--radix=number]  
      [-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**.

-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**.

SEE ALSO

ar(1), *objdump*(1), *readelf*(1), and the Info entries for *binutils*.

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