NAME

dump – dump selected parts of an object file

SYNOPSIS

dump [–**aCcDfghLlorstV**] [–**T** *index* [, *indexn*]] *filename* . . .
dump [–**afhorstL** [**v**]] *filename* . . .
dump [–**hsr** [–**d** *number* [, *numbern*]]] *filename* . . .
dump [–**hsrt** [–**n** *name*]] *filename* . . .

DESCRIPTION

The **dump** command dumps selected parts of each of its object *file* arguments.

OPTIONS

This command will accept both object files and archives of object files. It processes each file argument according to one or more of the following options:

–**a** Dump the archive header of each member of an archive.

–**c** Dump the string table(s).

–**C** Dump decoded C++ symbol table names.

–**D** Dump debugging information.

–**f** Dump each file header.

–**g** Dump the global symbols in the symbol table of an archive.

–**h** Dump the section headers.

–**l** Dump line number information.

–**L** Dump dynamic linking information and static shared library information, if available.

–**o** Dump each program execution header.

–**r** Dump relocation information.

–**s** Dump section contents in hexadecimal.

–**t** Dump symbol table entries.

–**T** *index* or –**T** *index1***,***index2*
Dump only the indexed symbol table entry defined by *index* or a range of entries defined by *index1***,***index2*.

–**V** Print version information.

The following modifiers are used in conjunction with the options listed above to modify their capabilities.

–**d** *number* or –**d** *number1***,***number2*
Dump the section number indicated by *number* or the range of sections starting at *number1* and ending at *number2* . This modifier can be used with –**h**, –**s**, and –**r**. When –**d** is used with –**h** or –**s**, the argument is treated as the number of a section or range of sections. When –**d** is used with –**r**, the argument is treated as the number of the section or range of sections to which the relocation applies. For example, to print out all relocation entries associated with the **.text** section, specify the number of the section as the argument to –**d**. If **.text** is section number 2 in the file, **dump** –**r** –**d 2** will print all

associated entries. To print out a specific relocation section use **dump** −**s** −**n** *name* for raw data output, or **dump** −**sv** −**n** *name* for interpreted output.

−**n** *name* Dump information pertaining only to the named entity. This modifier can be used with −**h**, −**s**, −**r**, and −**t**. When −**n** is used with −**h** or −**s**, the argument will be treated as the name of a section. When −**n** is used with −**t** or −**r**, the argument will be treated as the name of a symbol. For example, **dump** −**t** −**n** **.text** will dump the symbol table entry associated with the symbol whose name is **.text**, where **dump** −**h** −**n** **.text** will dump the section header information for the **.text** section.

−**p** Suppress printing of the headings.

−**v** Dump information in symbolic representation rather than numeric. This modifier can be used with −**a** (date, user id, group id), −**f** (class, data, type, machine, version, flags), −**h** (type, flags), −**o** (type, flags), −**r** (name, type), −**s** (interpret section contents wherever possible), −**t** (type, bind), and −**L** (value). When −**v** is used with −**s**, all sections that can be interpreted, such as the string table or symbol table, will be interpreted. For example, **dump** −**sv** −**n** **.symtab** *filename*… will produce the same formatted output as **dump** −**tv** *filename*…, but **dump** −**s** −**n** **.symtab** *filename*… will print raw data in hexadecimal. Without additional modifiers, **dump** −**sv** *filename*… will dump all sections in the files interpreting all those that it can and dumping the rest (such as **.text** or **.data**) as raw data.

The **dump** command attempts to format the information it dumps in a meaningful way, printing certain information in character, hexadecimal, octal or decimal representation as appropriate.

SEE ALSO

nm(1), **a.out**(4), **ar**(4)