

NAME

kldstat - display status of dynamic kernel linker

SYNOPSIS

kldstat [-h] [-q] [-v] [-d] [-i *id*] [-n *filename*]

kldstat [-q] [-d] [-m *modname*]

DESCRIPTION

The **kldstat** utility displays the status of any files dynamically linked into the kernel.

The following options are available:

-h Display the size field in a human-readable form, using unit suffixes instead of hex values.

-v Be more verbose.

-d Show the module specific data (as int, unsigned int and unsigned long)

-i *id* Display the status of only the file with this ID.

-n *filename*
Display the status of only the file with this filename.

-q Only check if file is loaded or compiled into the kernel.

-m *modname*
Display the status of only the module with this modname.

EXIT STATUS

The **kldstat** utility exits 0 on success, and >0 if an error occurs.

EXAMPLES

Show files dynamically linked into the kernel. Note the kernel itself is shown in the list. *Refs* shows the number of modules referenced by each file:

```
$ kldstat
Id Refs Address          Size Name
1  38 0xffffffff80200000 2448f20 kernel
2   3 0xffffffff82649000  b7bd8 linux.ko
3   5 0xffffffff82701000  9698 linux_common.ko
```

```

4  1 0xffffffff82b11000  1eae linsysfs.ko
5  1 0xffffffff82b13000  f2af8 nvidia-modeset.ko
6  1 0xffffffff82c06000 122b020 nvidia.ko
7  1 0xffffffff83e32000  2668 intpm.ko
8  1 0xffffffff83e35000  b50 smbus.ko
9  1 0xffffffff83e36000  18a0 uhid.ko
10 1 0xffffffff83e38000  2928 ums.ko
11 1 0xffffffff83e3b000  1aa0 wmt.ko
12 1 0xffffffff83e3d000  cd70 snd_uaudio.ko

```

Show the verbose status of the *linux* file and show the size in a human readable fashion:

```

$ kldstat -h -v -n linux
Id Refs Address      Size Name
2   3 0xffffffff82649000 735K linux.ko (/boot/kernel/linux.ko)
  Contains modules:
    Id Name
    2 linuxelf

```

Same as above using the *id* of the file:

```

$ kldstat -h -i 2 -v
Id Refs Address      Size Name
2   3 0xffffffff82649000 735K linux.ko (/boot/kernel/linux.ko)
  Contains modules:
    Id Name
    2 linuxelf

```

Show the status of the *linuxelf* module obtained from the example above:

```

$ kldstat -v -m linuxelf
Id Refs Name
2   1 linuxelf

```

Show the module specific data for the *g_raid* module:

```

$ kldstat -d -m g_raid
Id Refs Name data..(int, uint, ulong)
366  1 g_raid (0, 0, 0x0)

```

Check if the module *fakefile* is linked. Returns 0 if it is, 1 otherwise:

```
$ kldstat -q -n fakefile || echo file not linked  
file not linked
```

SEE ALSO

kldstat(2), kldload(8), kldunload(8)

HISTORY

The **kldstat** utility first appeared in FreeBSD 3.0, replacing the **lkm** interface.

AUTHORS

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