

NAME

sysctlmib — Kernel Sysctl MIB Information

DESCRIPTION

The FreeBSD `sysctl` database allows one to manipulate and monitor various subsystems in the kernel. Nodes can be added and removed dynamically without any type of recompilation needed, unless the actual ABI changes.

From a programming perspective, it is better to get values from the `sysctl(3)` database than to use the infamous KVM interface.

This manual page contains a comprehensively described list of the sysctls available at hand on FreeBSD.

SYSCTL LIST**debug.enter_debugger**

Set to 'ddb' or 'gdb' to enter the kernel debugger.

debug.acpi.acpi_ca_version

Version of Intel ACPI-CA.

debug.acpi.semaphore_debug

Enable ACPI semaphore debug messages.

debug.doslowdown

No explanation provided, as of yet.

debug.elf32_trace

No explanation provided, as of yet.

debug.elf32_legacy_coredump

No explanation provided, as of yet.

debug.boothowto

No explanation provided, as of yet.

debug.bootverbose

No explanation provided, as of yet.

debug.free_devt

No explanation provided, as of yet.

debug.fdexpand

No explanation provided, as of yet.

debug.sizeof.g_class

No explanation provided, as of yet.

debug.sizeof.g_geom

No explanation provided, as of yet.

debug.sizeof.g_provider

No explanation provided, as of yet.

debug.sizeof.g_consumer

No explanation provided, as of yet.

debug.sizeof.g_bioq

No explanation provided, as of yet.

debug.sizeof.vnode

sizeof(struct vnode).

debug.sizeof.proc

sizeof(struct proc).

debug.sizeof.cdev

sizeof(struct cdev).

debug.sizeof.bio

sizeof(struct bio).

debug.sizeof.buf

sizeof(struct buf).

debug.sizeof.kinfo_proc

sizeof(struct kinfo_proc).

debug.sizeof.devstat

sizeof(struct devstat).

debug.debugger_on_panic

Run debugger on kernel panic.

debug.trace_on_panic

Print stack trace on kernel panic.

debug.to_avg_depth

Average number of items examined per softclock call. Units = 1/1000.

debug.to_avg_gcalls

Average number of Giant callouts made per softclock call. Units = 1/1000.

debug.to_avg_mpcalls

Average number of MP callouts made per softclock call. Units = 1/1000.

debug.mpsafenet

Enable/disable MPSAFE network support.

debug.rman_debug

rman debug.

debug.ttydebug

No explanation provided, as of yet.

debug.dobkgrdwrite

Do background writes (honoring the BV_BKGRDWRITE flag)?.

debug.nchash

No explanation provided, as of yet.

debug.ncnegfactor

No explanation provided, as of yet.

debug.numneg

No explanation provided, as of yet.

debug.numcache

No explanation provided, as of yet.

debug.numcachehv

No explanation provided, as of yet.

debug.vfscache

No explanation provided, as of yet.

debug.vnsize

No explanation provided, as of yet.

debug.ncsize

No explanation provided, as of yet.

debug.hashstat.rawnchash

nchash chain lengths.

debug.hashstat.nchash

nchash chain lengths.

debug.hashstat.rawnfsnode

nfsnode chain lengths.

debug.hashstat.nfsnode

nfsnode chain lengths.

debug.disablecwd

Disable the getcwd syscall.

debug.disablefullpath

Disable the vn_fullpath function.

debug.rush_requests

No explanation provided, as of yet.

debug.vnlru_nowhere

Number of times the vnlru process ran without success.

debug.bpf_bufsize

No explanation provided, as of yet.

debug.bpf_maxbufsize

No explanation provided, as of yet.

debug.dopersistence

No explanation provided, as of yet.

debug.snapdebug

No explanation provided, as of yet.

debug.collectsnapstats

No explanation provided, as of yet.

debug.max_softdeps

No explanation provided, as of yet.

debug.tickdelay

No explanation provided, as of yet.

debug.maxindirdeps

No explanation provided, as of yet.

debug.worklist_push

No explanation provided, as of yet.

debug.blk_limit_push

No explanation provided, as of yet.

debug.ino_limit_push

No explanation provided, as of yet.

debug.blk_limit_hit

No explanation provided, as of yet.

debug.ino_limit_hit

No explanation provided, as of yet.

debug.sync_limit_hit

No explanation provided, as of yet.

debug.indir_blk_ptrs

No explanation provided, as of yet.

debug.inode_bitmap

No explanation provided, as of yet.

debug.direct_blk_ptrs

No explanation provided, as of yet.

debug.dir_entry

No explanation provided, as of yet.

debug.bigcgs

No explanation provided, as of yet.

debug.dircheck

No explanation provided, as of yet.

SEE ALSO

`sysctl(8)`

AUTHORS

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