

**NAME**

**cfiscsi** - CAM Target Layer iSCSI target frontend

**SYNOPSIS**

To compile this driver into the kernel, place the following lines in your kernel configuration file:

```
device cfiscsi
device ctl
device iscsi
```

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

```
cfiscsi_load="YES"
```

**DESCRIPTION**

The **cfiscsi** subsystem provides the kernel component of an iSCSI target. The target is the iSCSI server, providing LUNs backed by local files and volumes to remote initiators. The userspace component is provided by ctld(8). **cfiscsi** is implemented as a ctl(4) frontend and uses infrastructure provided by iscsi(4).

**SYSCTL VARIABLES**

The following variables are available as both sysctl(8) variables and loader(8) tunables:

*kern.cam.ctl.iscsi.debug*

Verbosity level for log messages from the kernel part of iSCSI target. Set to 0 to disable logging or 1 to warn about potential problems. Larger values enable debugging output. Defaults to 1.

*kern.cam.ctl.iscsi.maxtags*

The number of outstanding commands to advertise to each iSCSI initiator. Current implementation is not very accurate, so do not set this below 2. Defaults to 256.

*kern.cam.ctl.iscsi.ping\_timeout*

The number of seconds to wait for the iSCSI initiator to respond to a NOP-In PDU. In the event that there is no response within that time the session gets forcibly terminated. Set to 0 to disable sending NOP-In PDUs. Defaults to 5.

**SEE ALSO**

ctl(4), iscsi(4), ctl.conf(5), ctld(8)

**HISTORY**

The **cfiscsi** subsystem first appeared in FreeBSD 10.0 as part of the `ctl(4)` driver. It was split off of `ctl(4)` in FreeBSD 12.0.

## AUTHORS

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