

NAME

edsc - Ethernet discard network interface

SYNOPSIS

device edsc

DESCRIPTION

The **edsc** interface is a software discard mechanism which may be used for performance analysis and software testing. It imitates an Ethernet device, which allows for its use in conjunction with such drivers as `if_bridge(4)` and `vlan(4)`.

As with other network interfaces, an **edsc** interface must have network addresses assigned for each address family with which it is to be used. These addresses may be set or changed with the `SIOCSIFADDR` `ioctl(2)` or `ifconfig(8)` utility.

Each **edsc** interface is created at runtime using interface cloning. This is most easily done with the `ifconfig(8)` **create** command or using the *cloned_interfaces* variable in `rc.conf(5)`.

SEE ALSO

`ioctl(2)`, `arp(4)`, `if_bridge(4)`, `inet(4)`, `intro(4)`, `vlan(4)`, `rc.conf(5)`, `arp(8)`, `ifconfig(8)`

HISTORY

The **edsc** device was derived from the `disc(4)` device and first appeared in FreeBSD 6.3. This manpage was adapted from `disc(4)`.

CAVEATS

Since outgoing packets are just discarded by **edsc**, ARP requests stay unreplied. Consequently, an IP packet cannot be sent via **edsc** until a static `arp(4)` entry is created for its next hop using `arp(8)`.

Initially an **edsc** interface has a zero link level address. It can be changed with `ifconfig(8)` **lladdr** if needed.