NAME

ether_gen_addr - generate an arbitrary MAC address for use

SYNOPSIS

#include <sys/types.h>
#include <sys/socket.h>
#include <net/if.h>
#include <net/if_var.h>
#include <net/ethernet.h>

void
ether_gen_addr(*struct ifnet *ifp*, *struct ether_addr *hwaddr*);

DESCRIPTION

The **ether_gen_addr**() function generates an arbitrary MAC address for use by an ethernet interface that does not have an assigned address.

By default, **ether_gen_addr** attempts to generate a stable MAC address using the hostid of the jail that the *ifp* is being added to. During early boot, the hostid may not be set on machines that haven't yet populated */etc/hostid*, or on machines that do not use loader(8).

ether_gen_addr can fail to derive a MAC address due to memory allocation failure, or because the hostid has not been populated. In these cases, a locally-administered unicast MAC address will be randomly generated and returned via the *hwaddr* parameter.

If **ether_gen_addr** succeeds, then it will return a MAC address in the FreeBSD Foundation OUI, "58:9c:fc", via the *hwaddr* parameter.

AUTHORS

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