NAME

mri_start, **mri_stop -** ring start and stop entry point

SYNOPSIS

#include <sys/mac_provider.h>

int
prefix_ring_start(*mac_ring_driver_t rh*, *uint64_t mr_gen*);

void
prefix_ring_stop(*mac_ring_driver_t rh*);

INTERFACE LEVEL

Evolving - This interface is still evolving. API and ABI stability is not guaranteed.

PARAMETERS

rh A pointer to the ring's private data that was passed in via the *mri_driver* member of the mac_ring_info(9S) structure as part of the mr_rget(9E) entry point.

mr_gen A 64-bit generation number.

DESCRIPTION

The **mri_start**() entry point is a required entry point that allows the driver a chance to take any action to start the ring in hardware. The ring is indicated by the driver's private data structure structure for the ring: *rh*. The driver should record the value of *mr_gen* in its private data structure. This value is used when receiving data as the argument to the mac_ring_rx(9F) function. For many drivers, the only action that is required is recording the generation number.

The **mri_stop**() entry point is an optional entry point that allows the driver a chance to take any actions to stop the ring in hardware. The ring is indicated by its private data structure *rh*.

RETURN VALUES

Upon successful completion, the device driver should return **0** from the **mri_start**() entry point. Otherwise, they should return anon-zero positive error number to indicate the error that occurred.

SEE ALSO

mac(9E), mac_capab_rings(9E), mr_rget(9E), mac_ring_rx(9F), mac_ring_info(9S)