

NAME

mr_gget - fill in group information

SYNOPSIS

```
#include <sys/mac_provider.h>
```

int

```
prefix_fill_group(void *driver, mac_ring_type_t rtype, const int group_index, mac_group_info_t *infop,  
    mac_group_handle_t gh);
```

INTERFACE LEVEL

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

PARAMETERS

driver A pointer to the driver's private data that was passed in via the *m_pdata* member of the `mac_register(9S)` structure to the `mac_register(9F)` function.

rtype A value indicating the type of ring that makes up the groups. Valid values include:

`MAC_RING_TYPE_RX`

The group is intended for use with receive rings.

`MAC_RING_TYPE_TX`

The group is intended for use with transmit rings.

group_index An integer value indicating the group that this ring belongs to. Groups are numbered starting from zero.

infop A pointer to an instance of a `mac_group_info(9S)` structure.

gh An opaque pointer to a group handle that can be used to identify this group.

DESCRIPTION

The **mr_gget()** entry point provides a means for the device driver to fill in information about a group. The driver must fill in information into the *infop* argument. For the list of fields and an explanation of how to fill them in, please see `mac_group_info(9S)`.

The *rtype* argument describes whether this is a group of receive rings or a group of transmit rings. This is identified by the value in *rtype* which will be `MAC_RING_TYPE_RX` for a receive group and `MAC_RING_TYPE_TX` for a transmit group. The group information that is filled in varies between

transmit and receive groups. If separate entry points were not specified in the `mac_capab_rings(9E)` structure, then the driver must ensure that it checks this value and acts appropriately.

The *group_index* argument is used to uniquely identify a group. Groups are numbered starting at zero and end at one less than the number of groups specified in *mr_gnum* member of the *mac_capab_rings_t* structure which is described in `mac_capab_rings(9E)`.

After filling in the group information in *infop*, the driver should make sure to store the group handle in *gh* for future use.

CONTEXT

The **mr_gget()** entry point will be called in response to a driver calling the `mac_register(9F)` function and the driver has acknowledged that it supports the `MAC_CAPAB_RINGS` capability.

SEE ALSO

`mac(9E)`, `mac_capab_rings(9E)`, `mac_register(9F)`, `mac_group_info(9S)`, `mac_register(9S)`