NAME

uidinfo, **uihashinit**, **uifind**, **uihold**, **uifree** - functions for managing UID information

SYNOPSIS

#include <sys/param.h>
#include <sys/proc.h>
#include <sys/resourcevar.h>

void
uihashinit(*void*);

*struct uidinfo **
uifind(*uid_t uid*);

void
uihold(*struct uidinfo *uip*);

void
uifree(*struct uidinfo *uip*);

DESCRIPTION

The **uidinfo** family of functions is used to manage *uidinfo* structures. Each *uidinfo* structure maintains per uid resource consumption counts, including the process count and socket buffer space usage.

The **uihashinit**() function initializes the *uidinfo* hash table and its mutex. This function should only be called during system initialization.

The **uifind**() function looks up and returns the *uidinfo* structure for *uid*. If no *uidinfo* structure exists for *uid*, a new structure will be allocated and initialized. The **uidinfo** hash mutex is acquired and released.

The **uihold**() function increases the reference count on *uip*. *uip*'s lock is acquired and released.

The **uifree**() function decreases the reference count on *uip*, and if the count reaches 0 *uip* is freed. *uip*'s lock is acquired and release and the uidinfo hash mutex may be acquired and released.

RETURN VALUES

uifind() returns a pointer to an initialized *uidinfo* structure, and should not fail.

AUTHORS

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