NAME
vm_page_grab - returns a page from an object

SYNOPSIS
#include <sys/param.h>
#include <vm/vm.h>
#include <vm/vm_page.h>

vm_page_t
vm_page_grab(*vm_object_t object*, *vm_pindex_t pindex*, *int allocflags*);

DESCRIPTION
The **vm_page_grab**() function returns the page at *pindex* from the given object. If the page exists and is busy, **vm_page_grab**() will sleep while waiting for it. If the page does not exist, it is allocated. The function sleeps until the allocation request can be satisfied.

The function requires the *object* to be locked on entry, and returns with the object locked. If the **vm_page_grab**() function sleeps for any reason, the object lock is temporary dropped.

The **vm_page_grab**() supports all of the flags supported by vm_page_alloc(9). In addition, **vm_page_grab**() supports the following flags:

VM_ALLOC_IGN_SBUSY When waiting for the busy state of the existing page to drain, only test for exclusive busy; ignore the shared busy counter.

RETURN VALUES
The **vm_page_grab**() always returns the page.

SEE ALSO
vm_page_alloc(9)

AUTHORS
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