

NAME

pmap_qenter, **pmap_qremove** - manage temporary kernel space mappings

SYNOPSIS

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

```
#include <vm/vm.h>
```

```
#include <vm/pmap.h>
```

void

```
pmap_qenter(vm_offset_t sva, vm_page_t *m, int count);
```

void

```
pmap_qremove(vm_offset_t sva, int count);
```

DESCRIPTION

The **pmap_qenter()** function accepts a linear array of *count* pointers to wired pages **m*, and enters each of these pages into the kernel virtual address (KVA) space, beginning at the address *sva*. The pages are mapped non-executable, if possible. (For example, non-PAE i386 has no capability to map pages non-executable.)

The **pmap_qremove()** function tears out a mapping from the kernel virtual address space, beginning at *sva* and for *count* pages.

IMPLEMENTATION NOTES

The **pmap_qenter()** function is intended for temporary mappings that do not require page modification or reference counting. Old mappings are simply overwritten. The pages *must* be wired into physical memory.

The corresponding **pmap_qremove()** function is intended to remove such temporary mappings.

SEE ALSO

pmap(9)

AUTHORS

This manual page was written by Bruce M Simpson <bms@spc.org>.