

NAME

vm_map_inherit - set fork inheritance flags for a range within a map

SYNOPSIS

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

int

```
vm_map_inherit(vm_map_t map, vm_offset_t start, vm_offset_t end, vm_inherit_t new_inheritance);
```

DESCRIPTION

The **vm_map_inherit()** function sets the inheritance flags for the range *start* to *end* within the target *map* to the value *new_inheritance*.

The *new_inheritance* flag must have one of the values VM_INHERIT_NONE, VM_INHERIT_COPY, or VM_INHERIT_SHARE. This affects how the map will be shared with child maps when the associated process forks.

IMPLEMENTATION NOTES

The **vm_map_inherit()** function obtains a lock on the *map* using **vm_map_lock(9)** for the duration of the function.

RETURN VALUES

The **vm_map_inherit()** function returns KERN_SUCCESS if the inheritance flags could be set. Otherwise, if the provided flags were invalid, KERN_INVALID_ARGUMENT will be returned.

SEE ALSO

fork(2)

AUTHORS

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