

## カーネル空間 (swap\_info)

struct swap_header *swphdr	
struct swap_areainfo *swap_info	
struct swap_areainfo *mlock_info	
struct arealist	*head
swap_area	*tail
	count(n)
struct arealist	*head
mlock_area	*tail
	count(m)
struct mlockcntnr	*from
mlock_container	*cur
char *swapfname	
char *udata_buf	
size_t ubuf_size	
size_t ubuf_allocated	

filename (2)

## swapファイル(5)(18)

struct swap_header	char magic[16]	(11)
	char version[16]	(11)
	int count_sarea	(14)
	int count_marea	(14)
struct swap_areainfo (swap_info[0])	start	(15)
	end	(15)
	pos	(15)
	flag	(15)
:		
struct swap_areainfo (swap_info[n])	start	(15)
	end	(15)
	pos	(15)
	flag	(15)
struct swap_areainfo (mlock_info[0])	start	(15)
	end	(15)
	pos	(15)
	flag	(15)
:		
struct swap_areainfo (mlock_info[m])	start	(15)
	end	(15)
	pos	(15)
	flag	(15)
swap_area[0]		
:		
swap_area[n]		

## 作業領域

udata_buf (3)	
(4) struct arealist (swap_arealist(1))	*next
	count
	struct (7) start
	addrpair [0] end flag
:	
(4) struct arealist (mlock_arealist(1))	*next=0
	count
	struct (6) start
	addrpair [0] end flag
:	
(8) struct swap_areainfo (swap_info[0])	*next=0
	count
	struct start
	addrpair [0] end pos flag
:	
(9) struct swap_areainfo (swap_info[n])	*next=0
	count
	struct start
	addrpair [0] end pos flag
:	
(10) struct swap_areainfo (mlock_info[0])	*next=0
	count
	struct start
	addrpair [0] end pos flag
:	
(10) struct swap_areainfo (mlock_info[m])	*next=0
	count
	struct start
	addrpair [0] end pos flag
:	
(10) struct swap_header	char magic[16]
	char version[16]
	int count_sarea
	int count_marea

## ユーザ空間

buffer	
:	
swap_area[0]	
:	
mlock_area[0]	
:	
mlock_area[m]	
:	
swap_area[n]	
:	

### 凡例

- ポインタ
- ファイル出力
- データコピー