

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
arealist      *tail
mlock_area    count(m)

struct
mlockcntnr    *from
mlock_container ccount
mlock_container *cur

char *swapfname
char *udata_buf
size_t ubuf_size
size_t ubuf_allocated
    
```

filename

swapファイル (1)(4)

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

作業領域

(2)	udata_buf
struct swap_areainfo (swap_info[0])	start
	end
	pos
	flag
:	
struct swap_areainfo (swap_info[n])	start
	end
	pos
	flag
struct swap_areainfo (mlock_info[0])	start
	end
	pos
	flag
:	
struct swap_areainfo (mlock_info[m])	start
	end
	pos
	flag
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
- ファイル入力
- データコピー