



















































	\$\$\$\$Z#2\$\$Z#2\$\$Z#2\$Z#2\$Z#2\$\$Z#2\$Z#2\$Z#2\$Z
	5500 /*
	5501 * One file structure is allocated
	5502 • for each open/creat/pipe call.
	5503 * Main use is to hold the read/write
ビニンドには三人方	5505 • file.
(<< << <	5506 */
	5507 struct file
	5500 char f flag
	5510 char f_count; /* reference count */
こうこく バットレンズ	5511 int finde; /* pointer to incde structure *
1 >/ >/ /	5513 } file(NFILE);
×132123223	
	5600 /* Inode structure as it appears on
	5602 * the disk. Not used by the system,
CONTRACTOR OF A	5603 • but by things like check, df, dump.
	5604 */
それれたシューム。	5605 struct inde
	5607 int i mode;
	5608 char i_nlink;
< > / < / / < / /	5609 char i_uid;
-2175 C. C. V. S.	5610 char i_gidy
	5612 char ti sizel;
	5613 int i addr [8];
レントンパンリング	5614 int i_atime[2];
	5615 int i_mtime[2]; scill
NA-KA-D	
	에 동생건공 다양 감독이 이 동생건공 다양 감독이 지 동생님 ㅋㅋㅋㅋㅋㅋㅋㅋ

Code- Read/Write
<pre>5726 /* 5727 * common code for read and write calls: 5728 * check permissions, set base, count, and offset 5729 * and switch out to readi, writei, or pipe code 5730 */ 5731 rdwr(mode) 5732 { 5733 register *fp, m; 5734 5735 m = mode; 5736 fp = getf(u.u_ar0[R0]); 5737 if(fp == NULL) 5738 return; 5739 if((fp-&gt;f_flag&amp;m) == 0) { 5740 u.u_error = EBADF; 5741 return; 5742 } 5741 return; 5742 } 5743 u.u_base = u.u_arg[0]; 5744 u.u_count = u.u_arg[1]; 5745 u.u_segflg = 0; 5746 readp(fp); else 5749 writep(fp);]</pre>









































FILE & INODE Structures	NOT THE
<pre>FILE SHOULTURE 5500 /* One file structure is allocated 5502 * for each open/creat/pipe call. 5503 * for each open/creat/pipe call. 5504 * pointer associated with each open 5505 * pointer associated with each open 5506 */ 5507 struct file 5509 char f_flag; 5500 char f_form; /* reference count */ 5511 char f_form; /* reference count */ 5512 char f_forms(12); /* read/write character pointer 5513 } file(NFILE); FOOD /* 5600 /* 5600 /* 5601 * Inode structure as it appears on 5602 * the disk. Not used by the system, 5603 * but by things like check, df, dump. 5604 */ 5605 struct inode 5606 { 5607 int i_mode; 5609 char i_uld; 5609 char i_gize0; 5610 char i_gize0; 5611 char i_size1; 5613 int i_addr[0]; 5614 int i_atime[2]; 5616 }; 5616 }; 5616 /; 5616 /; 5617 // Setupe file (10); 5618 // 5618 // 5619 // 5619 // 5619 // 5619 // 5610 // 5610 // 5610 // 5611 // 5611 // 5612 // 5614 // 5613 // 5614 // 5614 // 5614 // 5614 // 5615 // 5616 // 5616 // 5616 // 5616 // 5616 // 5617 // 5618 // 5618 // 5618 // 5618 // 5618 // 5619 // 5619 // 5619 // 5610 // 5</pre>	

	Unix Super Block
5550 /* 5551 * 5552 * 5554 * 5556 * 5556 * 5558 * 5550 */ 5561 atr '5562 { 5566 */ 5566 in 5566 in 5566 in 5566 in 5566 in 5566 in 5566 in 5568 in 5569 in 5570 ch 5571 ch 5573 ch 5573 ch 5573 in 5575 in 5575 in	<pre>efinition of the unix super block. he root super block is allocated and ead in linit/alloc.c. Subsequently super block is allocated and read ith each mount (sumount/sys3.c) and eleased with umount (sumount/sys3.c). disk block is ripped of for storage. ee alloc.c for general alloc/free outines for free list and I list. ct filsys s_isize;    /* size in blocks of I list */ s_fsize;    /* size in blocks of entire volume */ s_free;    /* number of in core free blocks</pre>



	N		С	A	I	Л								
Carl Start				m	kNo	ode				1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			A Non	
	5950 5951 5952 5953 5955 5955 5955 5956 5959 5960 5960 5960	0 1 ml 2 ml 3 { 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 4 5 6 7 8 9 0 0 1 2 3 }	* m */ kno i i i i i i i i i i i i i i i i i	knod d() egis xter f(su f(u. p = f (i p->i put(	tter muc is i u u e n makr n makr n i i add	*ip char ()) P = if(i) if(i) if(i) if(i) if(i) if(i)	cal ;; { nam p != ) rn; (u.u) rn; ] =	l NUI u.u_ goto u.u_ u.u_	kuch LL) _err > ou g[1] _arg	<pre>har, {     for      it;     );     [2]</pre>	1); = E]	; BXIS	Γ;	
59	5970 5971 5972 5973	0 1 on 2 3 }	ut: i	p->1	ip)	,	;	;	ar [0] = u.u	;	;	;	;	;



- ✓ Unix- Efficient Time Sharing system
- ✓ Small, modular system with on-line source code.
- ✓ Simple interface to the file system (no big access methods)
- ✓ Convenient and effective process control
- ✓ File system : Tree structured directories
- ✓ Direct access/Sequential access supported System calls/Lib routines
- ✓ Files Array of fixed size data blocks+ trailing fragment
- ✓ I-Node: Kernels description of file
- ✓ Logical to Physical Mapping provided
- ✓ Multiprogramming: Fork to create process





