

	/
Operating System and Application	
/ / 72/4/4.0	18
1-18 3 4 3 4	7B314
2016 3 4	
	/ /
13798778521	Email liuv@gut.edu.cn
1.	2. ∞
Linux , (4) 3 · E. Randal E. Bryant , 2016	
/	I/O Linux

1.			
2.		I/O	1
3.	Li nux API	/	2
			3
			4
			5
			6
			7
			8

--	--	--	--	--	--

1		4			
2	Li nux	2	Li nux Li nux	Li nux	
3	Li nux C	2	Li nux C Li nux		
4	Uni x I/O	2	Uni x I/O I/O dup	Uni x I/O	
5, 6	Li nux	4	fork exec	Li nux	
7, 8		4		Pthreads P V	

9, 10	Li nux	4	I PC		
11		4			
12		4			
13, 14		8			
15		4	Cl ock LRU		
16		4	I /O	I /O	I /O
				DMA	
17, 18		8	I /O		
		54			

2	Li nux	2	Li nux			
3	Li nux C	2				
4, 5	Li nux I/O	4	/			
6, 7	Li nux	4				
8, 9	Li nux	4				
10	Li nux	2	/ IPC			
		18				
						0.60
						0.15
						0.10
						0.10
		1 1	2 1			0.05
2018-03-24						

t t

2

http:// p/ p/ p

p p/ p/ p

p