JOS Virtual Memory Map

4 Gig →		
	Remapped physical memory	RW/--	256 MB
KERNBASE →		f0000000	
KSTACKTOP →			
		--/--	PTSIZE
MMIOLIM →		efc00000	
	Memory-mapped I/O	RW/--	PTSIZE
ULIM →		ef800000	
	Cur. page table (User R-)	R-/R-	PTSIZE
UVPT →		ef400000	
	PAGES (User R-)	R-/R-	PTSIZE
UPAGES →		ef000000	
	ENVS (User R-)	R-/R-	PTSIZE
UTOP → UENVS →		eec00000	
	Program data & heap	RW/RW	
UTEXT →		00800000	
	Empty memory	--/--	PTSIZE
UTEMP →		00400000	
	Empty memory		
USTABDATA →	User STAB data (optional)		PTSIZE
	Empty memory		
0 →		00000000	

Detail (top, CPU kernel stacks):

CPU 0 kernel stack	RW/--	
Invalid memory	--/--	KSTKGAP
CPU 1 kernel stack	RW/--	KSTKSIZE
Invalid memory	--/--	
CPU 2 kernel stack	RW/--	
Invalid memory	--/--	

Detail (user stacks):

UXSTACKTOP		eec00000
User exception stack	RW/RW	PGSIZE
		eebff000
Empty memory	--/--	
USTACKTOP		eebfe000
Normal user stack	RW/RW	PGSIZE
		eebfd000