Linux x86_64 Process Memory
User Region
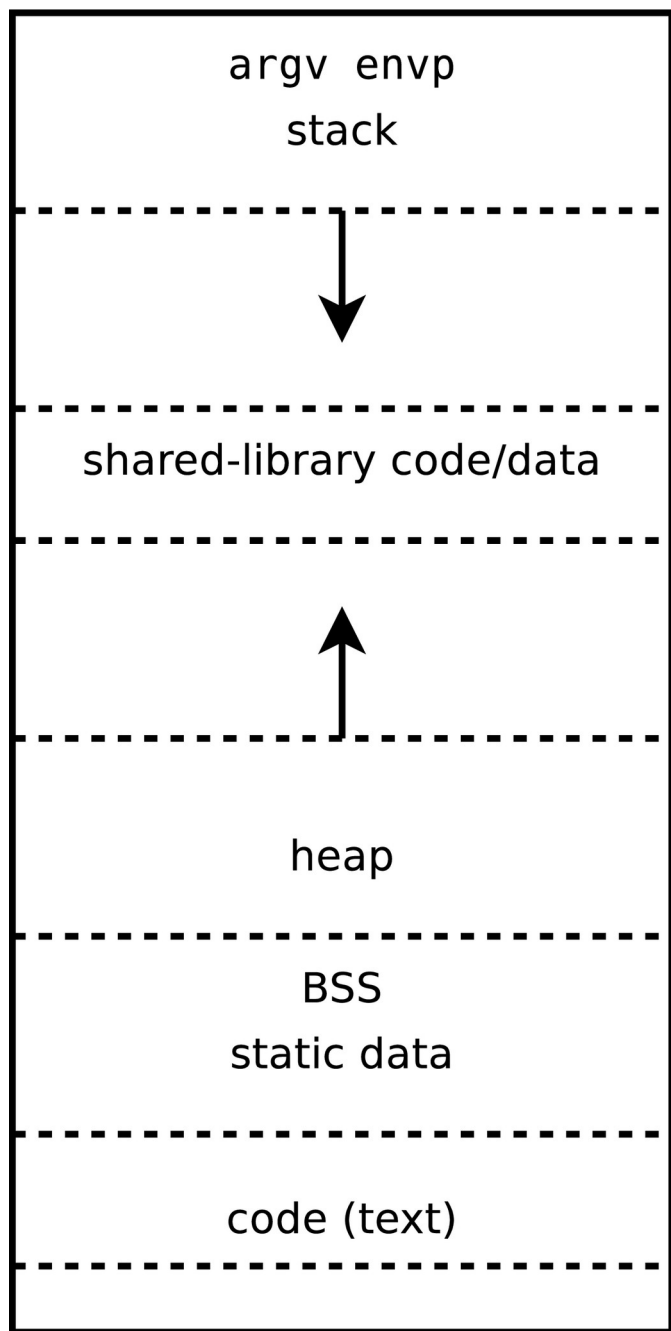
argv envp	0000 7fff ffff ffff
stack	
	sp (stack pointer)
↓	
shared-library code/data	
	0000 7fdd bc3e 0000 (varies)
↑	
	program break
heap	
	0000 0000 0182 3000 (varies)
BSS	(program break start)
static data	
code (text)	
	0000 0000 0040 4000
	0000 0000 0000 0000