



Kernel layout:

0x0000	0x1000	0x2000	0x3000	0x4000		0x100000	0x100000+X
PGD	PGT	IDT	GDT	Kernel		Buddy sysdata	User area

PGD = Page Directory
PGT = Page Table
IDT = Interrupt Descriptor Table
GDT = Global Descriptor Table

$$X = (\text{memsize} - 1\text{M}) / 4\text{k} * \log(\text{memsize} - 1\text{M}) / 4\text{k}$$

Chapters of kernel/system:

- Memory
 - Pages
 - Interrupts
 - Segments
 - Keyboard
 - Screen
 - Processes
 - System calls
 - Disc
 - Net
 - Filesystem
- Init, alloc, dealloc, buddysystem, pages
Init, handle
Init, types, actions
Init, using, use with processes
Init, decoding, buffering
Startup, writing, reading, decoding