Loading Executable Object Files

Executable Object File

ELF header	
Program header table (required for executables)	
.init section	
.text section	
.rodata section	
.data section	
.bss section	
.symtab	
.debug	
.line	
.strtab	
Section header table (required for relocatables)	

Memory invisible to **Kernel virtual memory** user code User stack (created at runtime) %rsp (stack pointer) Memory-mapped region for shared libraries brk **Run-time heap** (created by malloc) Loaded Read/write data segment from (.data, .bss) the Read-only code segment executable (.init,.text,.rodata) file Unused

 0×400000

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