```
xorl  %eax, %eax  # Compute gdt_base
movw  %ds,  %ax   # (Convert %ds:gdt to a linear ptr)
shll  $4,   %eax
addl  $gdt, %eax
movl  %eax, (gdt_48 + 2)
lgdt  gdt_48      # load gdt with whatever is appropriate
```