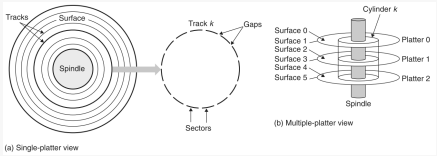
Registers

%rax(Return value)	%eax	%ax	%al
%rsp(Stackpointer)	%esp	%sp	%spl
%rdi(1st argument)	%edi	%di	%dil
%rsi(2nd arg)	%esi	%si	%sil
%rdx(3rd arg)	%edx	%dx	%dl
%rcx(4th arg)	%ecx	%cx	%cl
%r8(5th arg)	%r8d	%r8w	%r8b
%r9(6th arg)	%r9d	%r9w	%r9b
%r10(Caller saved)	%r10d	%r10w	%r10b
%r11(Caller saved)	%r11d	%r11w	%r11b
%rbx(Callee saved)	%ebx	%bx	%bl
%rbp(Callee saved)	%ebp	%bp	%bpl
%r12(Callee saved)	%r12d	%r12w	%r12b
%r13(Callee saved)	%r13d	%r13w	%r13b
%r14(Callee saved)	%r14d	%r14w	%r14b
%r15(Callee saved)	%r15d	%r15w	%r15b

HDD Geometry



Magnetic Disc Drive*

Seek time: Time to position arm correctly

Rotational delay: Time to rotate disk to correct location

Transfer time: Time to read wanted data

Disk capacity

Bytes per sector *Sectors per track* Tracks per surface *Surfaces (2)* total platters on disk

Calc

Average Rotational delay(ms): 30000/RPM

Average Seek Time: usually 3-9ms

Average Transfer Time: 60/RMP *1/Sectors* 1000

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