pushed by CPU if trap happened in user mode pushed by CPU pushed by kernel

cs/ds/es/ss and padding are 16-bit

more kernel stack

nadding

padding		
saved	%SS	(tf_ss)
1 G		(+6)

saved %esp (tf\_esp)

saved eflags (tf\_eflags)

padding

saved %cs (tf\_cs)

saved %eip (tf eip)

error code (tf\_err)

trap number (tf trapno)

padding

saved %ds (tf ds)

padding

saved %es (tf es)

registers (tf regs)

saved %eax (reg\_eax)

saved %ecx (reg\_ecx)

saved %edx (reg edx)

saved %ebx (reg ebx)

saved %esp (reg\_oesp)
 (don't use this)

saved %ebp (reg\_ebp)

saved %esi (reg esi)

saved %edi (reg\_edi)

0 if trap doesn't have
an associated error code