

```
uint esp0;
 (kernel stack)
   ushort ss0;
ushort padding1;
   uint *esp1;
   ushort ss1;
ushort padding2;
   uint *esp2;
   ushort ss2;
ushort padding3;
   void *cr3;
   uint *eip;
  uint eflags;
   uint eax;
   uint ecx;
   uint edx;
    uint ebx;
   uint *esp;
   uint *ebp;
   uint esi;
   uint edi;
   ushort es;
ushort padding4;
   ushort cs;
ushort padding5;
   ushort ss;
ushort padding6;
   ushort ds;
ushort padding7;
   ushort fs;
ushort padding8;
   ushort gs;
ushort padding9;
   ushort ldt;
ushort padding10;
   ushort t;
  ushort iomb;
```