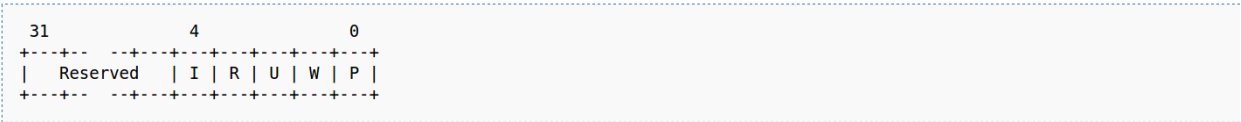


```
trap 0x0000000e Page Fault
cr2  0xeebdfdc8
err  0x00000000 [kernel, read, not-present]
eip  0xf01007a4
cs   0x---0008
```

Error code

The Page Fault sets an error code:



	Length	Name	Description
P	1 bit	Present	When set, the page fault was caused by a page-protection violation. When not set, it was caused by a non-present page.
W	1 bit	Write	When set, the page fault was caused by a page write. When not set, it was caused by a page read.
U	1 bit	User	When set, the page fault was caused while CPL = 3. This does not necessarily mean that the page fault was a privilege violation.
R	1 bit	Reserved write	When set, the page fault was caused by reading a 1 in a reserved field.
I	1 bit	Instruction Fetch	When set, the page fault was caused by an instruction fetch.

In addition, it sets the value of the **CR2** register to the virtual address which caused the Page Fault.

```
K> backtrace
EBP :ffffff30 ,EIP f01009fe ,args: 00000000 , effffff5c, effffff70 , f01031a3, f010316f
EBP :ffffff30 ,EIP f01009fe ,args: 00000000
Source File : kern/monitor.c Line# : 276 Func Name : monitor:F(0,20) number of arguments : 1

EBP :ffffff50 ,EIP f01030a0 ,args: f01a0000 , 00001000, 00000001 , 00000000, f0118f98
EBP :ffffff50 ,EIP f01030a0 ,args: f01a0000
Source File : kern/env.c Line# : 29 Func Name : env_destroy:F(0,20) number of arguments : 1

EBP :ffffff80 ,EIP f0103aa8 ,args: 00000003 , 00000000, 00000000 , 00000000, 00000000
EBP :ffffff80 ,EIP f0103aa8 ,args: 00000003 , 00000000, 00000000 , 00000000, 00000000
Source File : kern/syscall.c Line# : 228 Func Name : syscall:F(2,8) number of arguments : 6

EBP :ffffffb0 ,EIP f01038c2 ,args: effffffbc , 00000000, 00000000 , eebdfdb0, effffffdc
EBP :ffffffb0 ,EIP f01038c2 ,args: effffffbc
Source File : kern/trap.c Line# : 209 Func Name : trap:F(0,20) number of arguments : 1

Incoming TRAP frame at 0xeffffe3c and trap_num Page Fault
page_fault_handler()
TRAP frame at 0xeffffe3c
User e-ffffe3c
```

Entry.s **_start:**

```
ELFHDR->e_entry = 800020
```

```
00800020 <_start>:
```

0x18	4	8	<code>e_entry</code>	This is the memory address of the entry point from where the process starts executing. This field is either 32 or 64 bits long depending on the format defined earlier.
------	---	---	----------------------	---

```
thisenv= eec00000
```

```
[00000000] new env 00001000
ELFHDR->e_entry = 900030
```