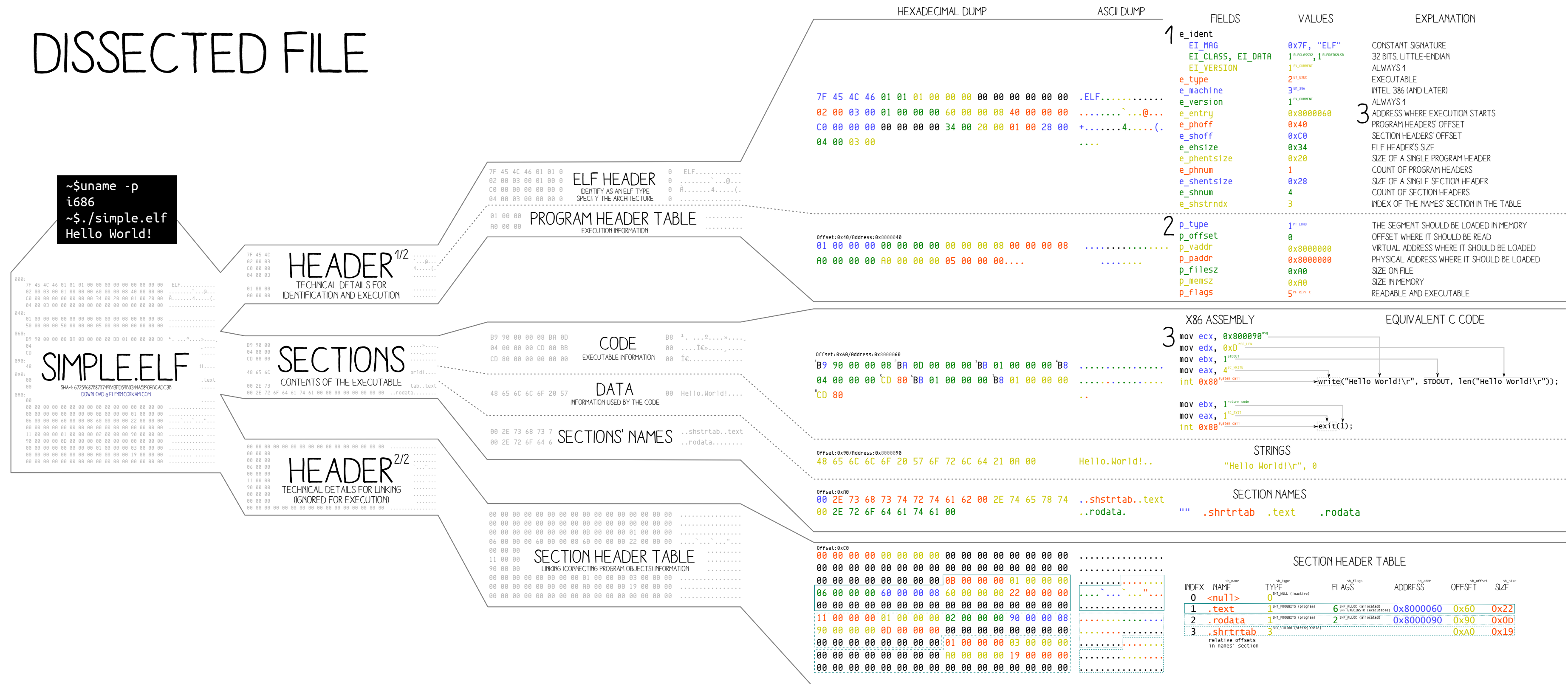


DISSECTED FILE



THIS IS THE WHOLE FILE, HOWEVER, MOST ELF FILES CONTAIN MANY MORE ELEMENTS.
EXPLANATIONS ARE SIMPLIFIED, FOR CONCISENESS.

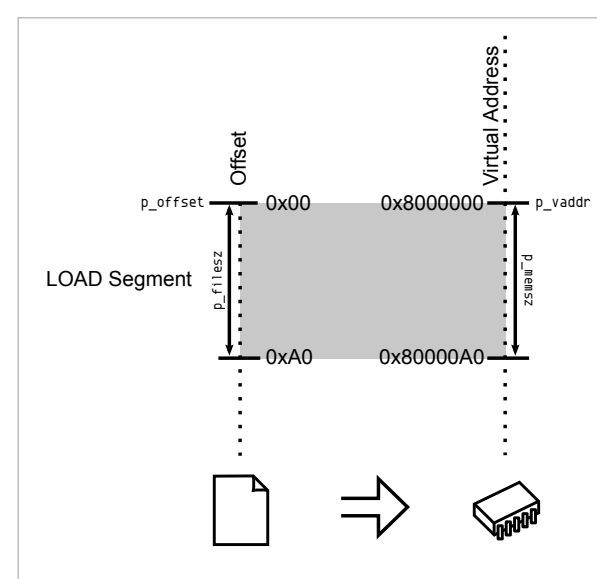
LOADING PROCESS

1 HEADER

```
THE ELF HEADER IS PARSED
THE PROGRAM HEADER IS PARSED
(SECTIONS ARE NOT USED)
```

2 MAPPING

THE FILE IS MAPPED IN MEMORY
ACCORDING TO ITS SEGMENT(S)



3 EXECUTION

ENTRY IS CALLED
SYSCALLS ^{USER SERVICE} ARE ACCESSED VIA:

- SYSCALL NUMBER IN THE EAX REGISTER
- CALLING INTERRUPT 0X80

TRIVIA

THE ELF WAS FIRST SPECIFIED BY U.S. L.
FOR UNIX SYSTEM V, IN 1990

THE ELF IS USED, AMONG OTHERS, IN:

- LINUX, ANDROID, *BSD, SOLARIS, BEOS
- PSP, PLAYSTATION 2-4, DREAMCAST, GAMECUBE, WII
- VARIOUS OSes MADE BY SAMSUNG, ERICSSON, NOKIA,
- MICROCONTROLLERS FROM ATMEL, TEXAS INSTRUMENTS