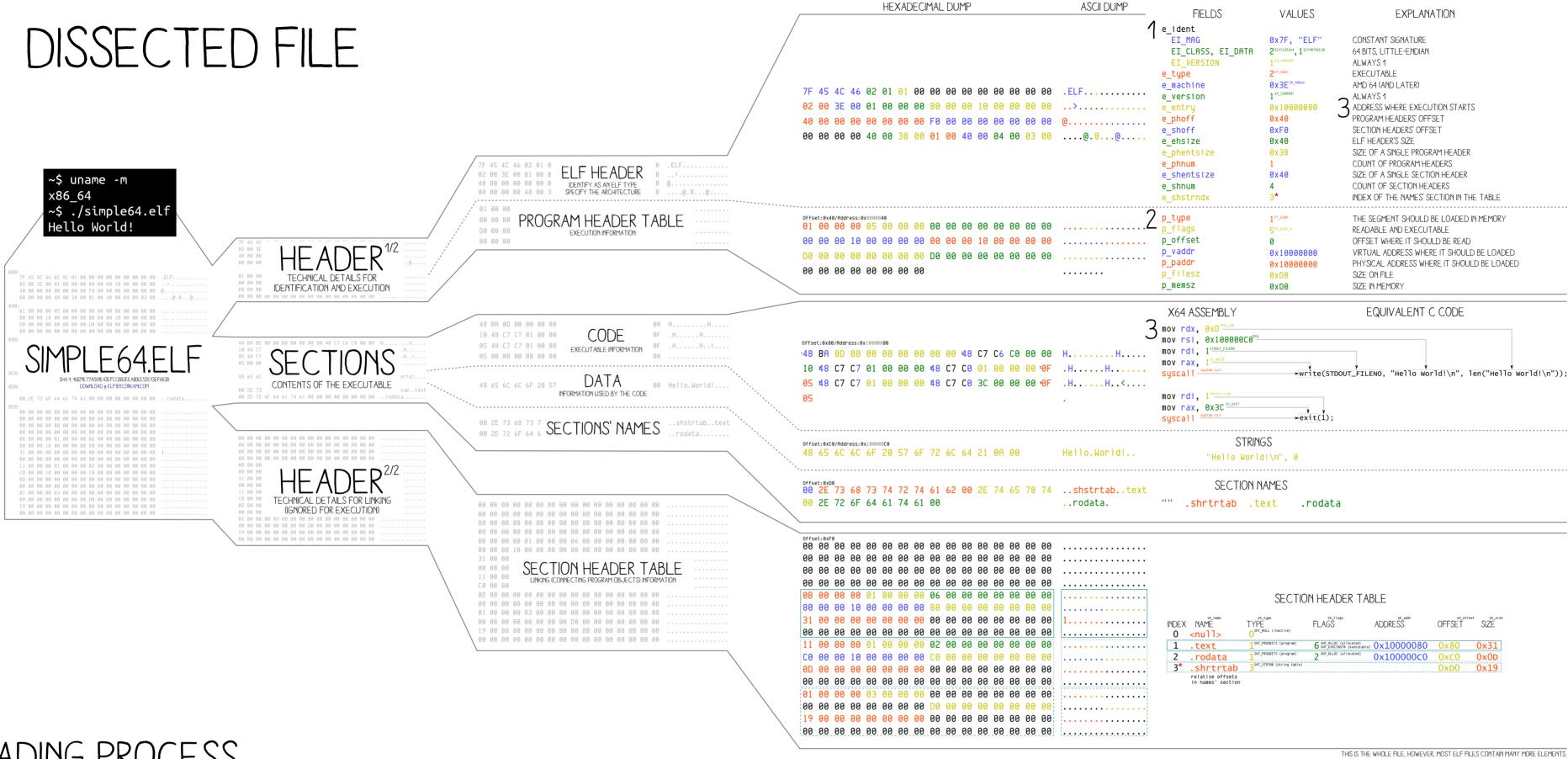
ELIZE E E 101 a Linux executable walk-through





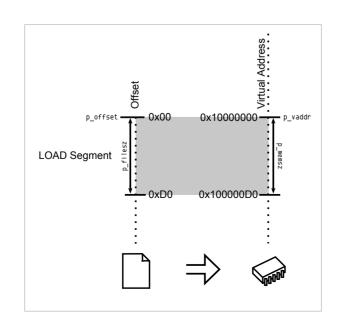
LOADING PROCESS

1 HEADER

THE ELF HEADER IS PARSED THE PROGRAM HEADER IS PARSED ACCORDING TO ITS SEGMENT(S) (SECTIONS ARE NOT USED)

2 MAPPING

THE FILE IS MAPPED IN MEMORY



3 EXECUTION

ENTRY IS CALLED SYSCALLS ARE ACCESSED VIA:

- SYSCALL NUMBER IN THE RAX REGISTER
- CALLING INSTRUCTION SYSCALL

THE ELF WAS FIRST SPECIFIED BY U.S. L. AND U.I. FOR UNIX SYSTEM V, IN 1989

THE ELF IS USED, AMONG OTHERS, IN:

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



EXPLANATIONS ARE SIMPLIFIED, FOR CONCISENESS.