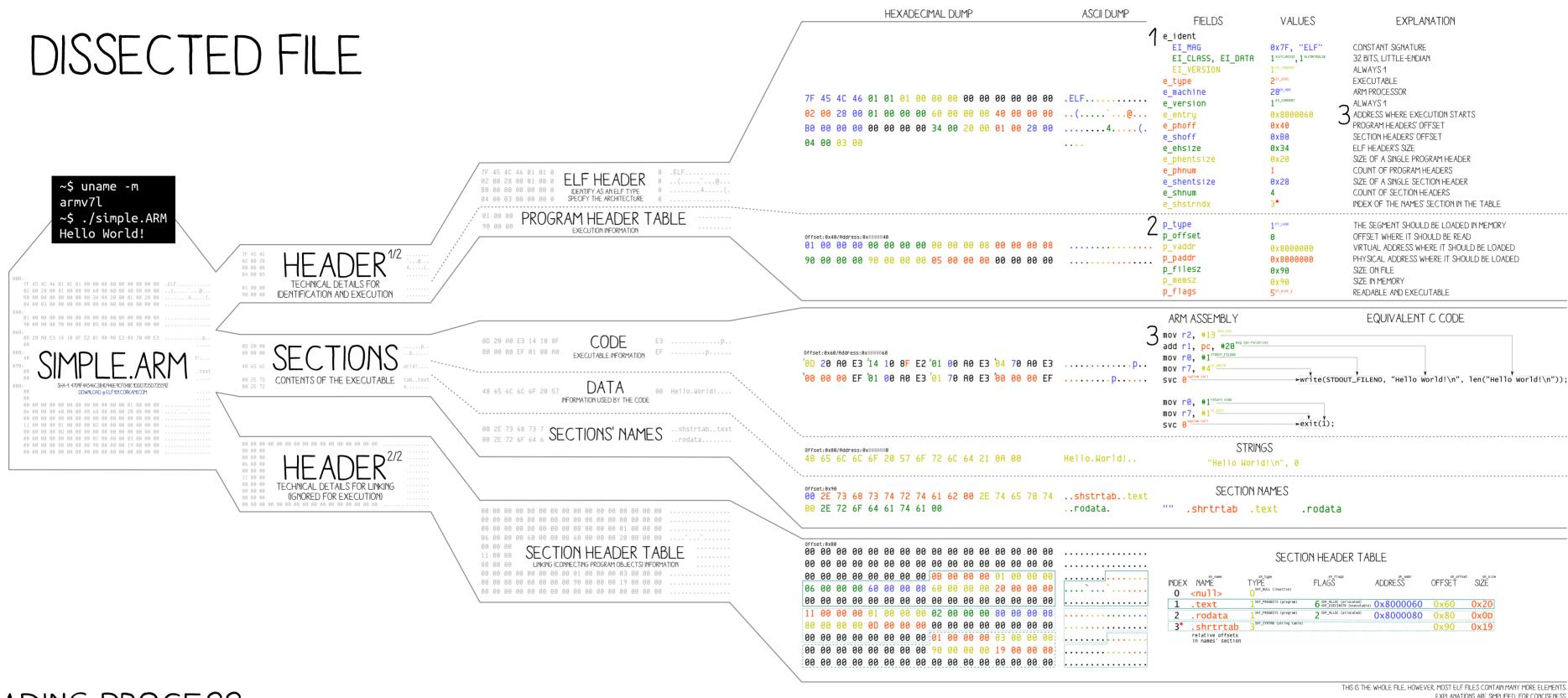
ELEF101 a Linux executable walk-through ange albertini corkami.com





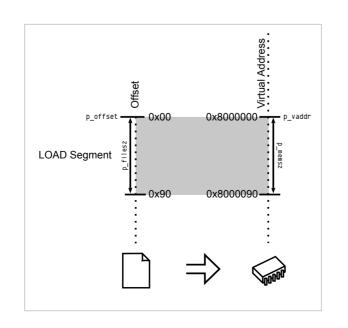
LOADING PROCESS

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 ARE ACCESSED VIA:

- SYSCALL NUMBER IN THE R7 REGISTER
- CALLING INSTRUCTION SVC

TRIVIA

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

