\$./micro_macho Hello world

Dissection of a hacky but valid Intel 32 bits, 164 bytes, Mach-O "Hello world" executable file.

\$ shasum micro_macho
e67bddcc7ba3f8446a63104108c2905f57baadbe

http://seriot.ch/hello_macho.php

Nicolas Seriot, 2013-01-06 19:00

Offset Actual bytes	
Countype CPU_TYPE_1386 Cpu specifier Cpusubtype CPU_SUBTYPE_1386 C	
Company Comp	
Company Comp	
Name	ıtabla
Name	
Note	300
Name	
No. 20 38 00 00 00 00 00 00 0	
No. 24 48 65 6C 6C 6C 6C 6C 6C 6F 20 77 6F 6F 6F 6F 6F 6F 6F	
No. 28 6F 20 77 6F No. 20 72 6C 64 0A No. 30 00 FF FF FF FF No. 34 00 00 00 00 00 00 00	
No. 2C 72 6C 64 0A 0x30 00 FF FF FF 0x34 00 00 00 00 00 00 00	
0x38 00 10 00 00	
0x3800 10 00 00vmsize0x1000memory size of this segmentbe loaded in a 10x3C00 00 00 00file offset of this segmentmemory page	
0x3800 10 00 00vmsize0x1000memory size of this segmentbe loaded in a 10x3C00 00 00 00file offset of this segmentmemory page	ont to
O O O O O O O O O O	ge
amount to map from the fire	
0x44 07 FF FF FF 0 0 maxprot rwx maximum VM protection	
0x48 05 FF FF FF initprot r-x initial VM protection	
0x4C 00 00 00 00 nsects 0 number of sections in segment	
0x50 FF FF FF FF ff flags	
Ox54 O5 00 00 00 Ox58 SO 00 00 00 Ox50	
0x54	
ਹx5C 01 00 00 00 ਪਿੱਛੀ flavor x86_THREAD_STATE32 flavor of thread state	
0x60 10 00 00 00 D occupie 0x10 (16) count of longs in thread state	
0x64 FF 00 FF FF eax 0 0x68 6A 0C 68 24 0x6C 00 00 00 6A	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
「	the initial state of the
0x78 83 C4 10 6A sesi registers, the en	
ebp jump 17 bytes point \$eip is at 0	epp jump 17 bytes point Seip is at 0x68
	. 01100
O' Ox84 FF FF FF FF S S O	
DAGO II OO II II	
0x8C 68 00 00 00	
0x90 B0 01 83 EC	
0X94 04 CD 80 FF	
0x98 FF FF FF FF es 0	
0x9C 00 00 FF FF fs 0	
0xA0 00 00 FF FF gs 0	